



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 #:
A0F0647**

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

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Extractions July 2020

Wet Chem June 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: A0F0647

Date: 07/22/2020

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



Saturday, July 11, 2020

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

RE: A0F0647 - 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 A0F0647, which was received by the laboratory on 4/27/2020 at 2:40:00PM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

| | | | |
|-----------|----------|-----------|----------|
| Cooler #1 | 1.1 degC | Cooler #2 | 2.5 degC |
| Cooler #3 | 1.8 degC | | |

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



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

| | | |
|--|--|--|
| Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219 | Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth | Report ID: A0F0647 - 07 11 20 0424 |
|--|--|--|

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

| Client Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------------|---------------|--------|----------------|----------------|
| PDI-149SC-A-01-02-200425 | A0F0647-01 | SE | 04/25/20 13:06 | 04/27/20 14:40 |
| PDI-149SC-A-02-03-200425 | A0F0647-02 | SE | 04/25/20 13:06 | 04/27/20 14:40 |
| PDI-150SC-A-08-09-200425 | A0F0647-03 | SE | 04/25/20 11:01 | 04/27/20 14:40 |
| PDI-150SC-A-09-10-200425 | A0F0647-04 | SE | 04/25/20 11:01 | 04/27/20 14:40 |

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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: A0F0647 - 07 11 20 0424 |
|--|--|--|

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|-------------------|-------------------------|-----------------------|----------------|-----------------------|------------------|
| PDI-149SC-A-01-02-200425 (A0F0647-01) | | | Matrix: SE | | Batch: 0060834 | | C-07 | |
| Aroclor 1016 | ND | 1.84 | 1.84 | ug/kg dry | 1 | 06/29/20 08:38 | EPA 8082A | R-02 |
| Aroclor 1221 | ND | 1.96 | 1.96 | ug/kg dry | 1 | 06/29/20 08:38 | EPA 8082A | R-02 |
| Aroclor 1232 | ND | 4.54 | 4.54 | ug/kg dry | 1 | 06/29/20 08:38 | EPA 8082A | R-02 |
| Aroclor 1242 | ND | 2.33 | 2.33 | ug/kg dry | 1 | 06/29/20 08:38 | EPA 8082A | R-02 |
| Aroclor 1248 | ND | 4.67 | 4.67 | ug/kg dry | 1 | 06/29/20 08:38 | EPA 8082A | R-02 |
| Aroclor 1254 | 3.63 | 0.823 | 1.63 | ug/kg dry | 1 | 06/29/20 08:38 | EPA 8082A | P-10 |
| Aroclor 1260 | 2.82 | 0.823 | 1.63 | ug/kg dry | 1 | 06/29/20 08:38 | EPA 8082A | P-10 |
| Aroclor 1262 | ND | 0.823 | 1.63 | ug/kg dry | 1 | 06/29/20 08:38 | EPA 8082A | |
| Aroclor 1268 | ND | 0.823 | 1.63 | ug/kg dry | 1 | 06/29/20 08:38 | EPA 8082A | |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 56 %</i> | | <i>Limits: 43-120 %</i> | | <i>1</i> | <i>06/29/20 08:38</i> | <i>EPA 8082A</i> |
| PDI-149SC-A-02-03-200425 (A0F0647-02) | | | Matrix: SE | | Batch: 0060834 | | C-07 | |
| Aroclor 1016 | ND | 0.763 | 1.52 | ug/kg dry | 1 | 06/29/20 09:13 | EPA 8082A | |
| Aroclor 1221 | ND | 0.763 | 1.52 | ug/kg dry | 1 | 06/29/20 09:13 | EPA 8082A | |
| Aroclor 1232 | ND | 1.52 | 1.52 | ug/kg dry | 1 | 06/29/20 09:13 | EPA 8082A | |
| Aroclor 1242 | ND | 0.763 | 1.52 | ug/kg dry | 1 | 06/29/20 09:13 | EPA 8082A | |
| Aroclor 1248 | ND | 0.763 | 1.52 | ug/kg dry | 1 | 06/29/20 09:13 | EPA 8082A | |
| Aroclor 1254 | ND | 0.763 | 1.52 | ug/kg dry | 1 | 06/29/20 09:13 | EPA 8082A | |
| Aroclor 1260 | ND | 0.763 | 1.52 | ug/kg dry | 1 | 06/29/20 09:13 | EPA 8082A | |
| Aroclor 1262 | ND | 0.763 | 1.52 | ug/kg dry | 1 | 06/29/20 09:13 | EPA 8082A | |
| Aroclor 1268 | ND | 0.763 | 1.52 | ug/kg dry | 1 | 06/29/20 09:13 | EPA 8082A | |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 65 %</i> | | <i>Limits: 43-120 %</i> | | <i>1</i> | <i>06/29/20 09:13</i> | <i>EPA 8082A</i> |
| PDI-150SC-A-08-09-200425 (A0F0647-03) | | | Matrix: SE | | Batch: 0060834 | | C-07 | |
| Aroclor 1016 | ND | 0.801 | 1.59 | ug/kg dry | 1 | 06/29/20 09:48 | EPA 8082A | |
| Aroclor 1221 | ND | 0.801 | 1.59 | ug/kg dry | 1 | 06/29/20 09:48 | EPA 8082A | |
| Aroclor 1232 | ND | 0.801 | 1.59 | ug/kg dry | 1 | 06/29/20 09:48 | EPA 8082A | |
| Aroclor 1242 | ND | 0.801 | 1.59 | ug/kg dry | 1 | 06/29/20 09:48 | EPA 8082A | |
| Aroclor 1248 | ND | 0.801 | 1.59 | ug/kg dry | 1 | 06/29/20 09:48 | EPA 8082A | |
| Aroclor 1254 | ND | 0.801 | 1.59 | ug/kg dry | 1 | 06/29/20 09:48 | EPA 8082A | |
| Aroclor 1260 | ND | 0.801 | 1.59 | ug/kg dry | 1 | 06/29/20 09:48 | EPA 8082A | |
| Aroclor 1262 | ND | 0.801 | 1.59 | ug/kg dry | 1 | 06/29/20 09:48 | EPA 8082A | |
| Aroclor 1268 | ND | 0.801 | 1.59 | ug/kg dry | 1 | 06/29/20 09:48 | 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: A0F0647 - 07 11 20 0424 |
|--|---|--|

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------|-----------------------|-------------------------|----------|-----------------------|------------------|-------------|
| PDI-150SC-A-08-09-200425 (A0F0647-03) | | | | Matrix: SE | | Batch: 0060834 | | C-07 |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | | <i>Recovery: 97 %</i> | <i>Limits: 43-120 %</i> | <i>1</i> | <i>06/29/20 09:48</i> | <i>EPA 8082A</i> | |
| PDI-150SC-A-09-10-200425 (A0F0647-04) | | | | Matrix: SE | | Batch: 0060834 | | C-07 |
| Aroclor 1016 | ND | 0.763 | 1.51 | ug/kg dry | 1 | 06/29/20 12:10 | EPA 8082A | |
| Aroclor 1221 | ND | 0.763 | 1.51 | ug/kg dry | 1 | 06/29/20 12:10 | EPA 8082A | |
| Aroclor 1232 | ND | 0.763 | 1.51 | ug/kg dry | 1 | 06/29/20 12:10 | EPA 8082A | |
| Aroclor 1242 | ND | 0.763 | 1.51 | ug/kg dry | 1 | 06/29/20 12:10 | EPA 8082A | |
| Aroclor 1248 | ND | 0.763 | 1.51 | ug/kg dry | 1 | 06/29/20 12:10 | EPA 8082A | |
| Aroclor 1254 | ND | 0.763 | 1.51 | ug/kg dry | 1 | 06/29/20 12:10 | EPA 8082A | |
| Aroclor 1260 | ND | 0.763 | 1.51 | ug/kg dry | 1 | 06/29/20 12:10 | EPA 8082A | |
| Aroclor 1262 | ND | 0.763 | 1.51 | ug/kg dry | 1 | 06/29/20 12:10 | EPA 8082A | |
| Aroclor 1268 | ND | 0.763 | 1.51 | ug/kg dry | 1 | 06/29/20 12:10 | EPA 8082A | |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | | <i>Recovery: 92 %</i> | <i>Limits: 43-120 %</i> | <i>1</i> | <i>06/29/20 12:10</i> | <i>EPA 8082A</i> | <i>Q-41</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: A0F0647 - 07 11 20 0424 |
|--|---|---|

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|---|---------------|-----------------------|-------------------|-------------------------|-----------------------|----------------|-----------------------|------------------|
| PDI-149SC-A-01-02-200425 (A0F0647-01RE3) | | | Matrix: SE | | Batch: 0070206 | | C-05, H-08 | |
| 2,4'-DDD | ND | 8.81 | 8.81 | ug/kg dry | 2 | 07/09/20 16:41 | EPA 8081B | R-02 |
| 2,4'-DDE | ND | 2.45 | 4.90 | ug/kg dry | 2 | 07/09/20 16:41 | EPA 8081B | |
| 2,4'-DDT | ND | 5.87 | 5.87 | ug/kg dry | 2 | 07/09/20 16:41 | EPA 8081B | R-02 |
| 4,4'-DDD | 17.8 | 2.45 | 4.90 | ug/kg dry | 2 | 07/09/20 16:41 | EPA 8081B | |
| 4,4'-DDE | ND | 2.45 | 4.90 | ug/kg dry | 2 | 07/09/20 16:41 | EPA 8081B | |
| 4,4'-DDT | ND | 10.0 | 10.0 | ug/kg dry | 2 | 07/09/20 16:41 | EPA 8081B | R-02 |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 90 %</i> | | <i>Limits: 42-129 %</i> | | <i>2</i> | <i>07/09/20 16:41</i> | <i>EPA 8081B</i> |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>129 %</i> | | <i>55-130 %</i> | | <i>2</i> | <i>07/09/20 16:41</i> | <i>EPA 8081B</i> |

| | | | | | | | | |
|---|-------------|-----------------------|-------------------|-------------------------|-----------------------|----------------|-----------------------|------------------|
| PDI-149SC-A-02-03-200425 (A0F0647-02RE3) | | | Matrix: SE | | Batch: 0070206 | | C-05, H-08 | |
| 2,4'-DDD | ND | 2.28 | 4.57 | ug/kg dry | 2 | 07/09/20 17:55 | EPA 8081B | |
| 2,4'-DDE | ND | 2.28 | 4.57 | ug/kg dry | 2 | 07/09/20 17:55 | EPA 8081B | |
| 2,4'-DDT | ND | 2.28 | 4.57 | ug/kg dry | 2 | 07/09/20 17:55 | EPA 8081B | |
| 4,4'-DDD | 3.06 | 2.28 | 4.57 | ug/kg dry | 2 | 07/09/20 17:55 | EPA 8081B | J |
| 4,4'-DDE | ND | 2.28 | 4.57 | ug/kg dry | 2 | 07/09/20 17:55 | EPA 8081B | |
| 4,4'-DDT | ND | 4.57 | 4.57 | ug/kg dry | 2 | 07/09/20 17:55 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 77 %</i> | | <i>Limits: 42-129 %</i> | | <i>2</i> | <i>07/09/20 17:55</i> | <i>EPA 8081B</i> |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>122 %</i> | | <i>55-130 %</i> | | <i>2</i> | <i>07/09/20 17:55</i> | <i>EPA 8081B</i> |

| | | | | | | | | |
|---|----|-----------------------|-------------------|-------------------------|-----------------------|----------------|-----------------------|------------------|
| PDI-150SC-A-08-09-200425 (A0F0647-03RE3) | | | Matrix: SE | | Batch: 0070206 | | C-05, H-08 | |
| 2,4'-DDD | ND | 1.17 | 2.34 | ug/kg dry | 1 | 07/09/20 13:49 | EPA 8081B | |
| 2,4'-DDE | ND | 1.17 | 2.34 | ug/kg dry | 1 | 07/09/20 13:49 | EPA 8081B | |
| 2,4'-DDT | ND | 1.17 | 2.34 | ug/kg dry | 1 | 07/09/20 13:49 | EPA 8081B | |
| 4,4'-DDD | ND | 1.17 | 2.34 | ug/kg dry | 1 | 07/09/20 13:49 | EPA 8081B | |
| 4,4'-DDE | ND | 1.17 | 2.34 | ug/kg dry | 1 | 07/09/20 13:49 | EPA 8081B | |
| 4,4'-DDT | ND | 1.17 | 2.34 | ug/kg dry | 1 | 07/09/20 13:49 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 52 %</i> | | <i>Limits: 42-129 %</i> | | <i>1</i> | <i>07/09/20 13:49</i> | <i>EPA 8081B</i> |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>89 %</i> | | <i>55-130 %</i> | | <i>1</i> | <i>07/09/20 13:49</i> | <i>EPA 8081B</i> |

| | | | | | | | | |
|---|----|------|-------------------|-----------|-----------------------|----------------|-------------------|--|
| PDI-150SC-A-09-10-200425 (A0F0647-04RE3) | | | Matrix: SE | | Batch: 0070206 | | C-05, H-08 | |
| 2,4'-DDD | ND | 1.10 | 2.20 | ug/kg dry | 1 | 07/09/20 14:05 | EPA 8081B | |
| 2,4'-DDE | ND | 1.10 | 2.20 | ug/kg dry | 1 | 07/09/20 14:05 | EPA 8081B | |
| 2,4'-DDT | ND | 1.10 | 2.20 | ug/kg dry | 1 | 07/09/20 14:05 | EPA 8081B | |
| 4,4'-DDD | ND | 1.10 | 2.20 | ug/kg dry | 1 | 07/09/20 14:05 | EPA 8081B | |

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Darwin Thomas, Business Development Director



Apex Laboratories, LLC

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

| | | |
|--|---|--|
| 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: A0F0647 - 07 11 20 0424 |
|--|---|--|

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|---|---------------|-----------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|-------------------|
| PDI-150SC-A-09-10-200425 (A0F0647-04RE3) | | | | Matrix: SE | | Batch: 0070206 | | C-05, H-08 |
| 4,4'-DDE | ND | 1.10 | 2.20 | ug/kg dry | 1 | 07/09/20 14:05 | EPA 8081B | |
| 4,4'-DDT | ND | 1.10 | 2.20 | ug/kg dry | 1 | 07/09/20 14:05 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 58 %</i> | | <i>Limits: 42-129 %</i> | | <i>1</i> | <i>07/09/20 14:05</i> | <i>EPA 8081B</i> |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>92 %</i> | | <i>55-130 %</i> | | <i>1</i> | <i>07/09/20 14:05</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: A0F0647 - 07 11 20 0424 |
|--|---|---|

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-149SC-A-01-02-200425 (A0F0647-01RE1) | | | | Matrix: SE | | Batch: 0060858 | | H-08 |
| Acenaphthene | 58300 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | Q-42 |
| Acenaphthylene | 6160 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | |
| Anthracene | 28300 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | Q-42 |
| Benz(a)anthracene | 17100 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | |
| Benzo(a)pyrene | 24100 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | |
| Benzo(b)fluoranthene | 19400 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | |
| Benzo(k)fluoranthene | 6390 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | M-05 |
| Benzo(g,h,i)perylene | 16300 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | |
| Chrysene | 23100 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | |
| Dibenz(a,h)anthracene | 1630 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | J |
| Fluoranthene | 69900 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | |
| Fluorene | 29100 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | Q-42 |
| Indeno(1,2,3-cd)pyrene | 14400 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | |
| 2-Methylnaphthalene | 2800 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | J, Q-42 |
| Naphthalene | 9580 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | B-02 |
| Phenanthrene | 145000 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | |
| Pyrene | 91000 | 1490 | 2980 | ug/kg dry | 1000 | 06/26/20 12:18 | EPA 8270D | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 190 %</i> | | <i>Limits: 44-120 %</i> | <i>1000</i> | <i>06/26/20 12:18</i> | <i>EPA 8270D</i> | <i>S-05</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>220 %</i> | | <i>54-127 %</i> | <i>1000</i> | <i>06/26/20 12:18</i> | <i>EPA 8270D</i> | <i>S-05</i> |

| | | | | | | | | |
|---|--------|------|-------|-------------------|------|-----------------------|-----------|-------------|
| PDI-149SC-A-02-03-200425 (A0F0647-02RE1) | | | | Matrix: SE | | Batch: 0060858 | | H-08 |
| Acenaphthene | 120000 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Acenaphthylene | 21100 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Anthracene | 85500 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Benz(a)anthracene | 76800 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Benzo(a)pyrene | 116000 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Benzo(b)fluoranthene | 93300 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Benzo(k)fluoranthene | 31200 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | M-05 |
| Benzo(g,h,i)perylene | 80500 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Chrysene | 89200 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Dibenz(a,h)anthracene | 8290 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | J |
| Fluoranthene | 309000 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Fluorene | 69900 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | 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-149SC-A-02-03-200425 (A0F0647-02RE1) | | | | Matrix: SE | | Batch: 0060858 | | H-08 |
| Indeno(1,2,3-cd)pyrene | 70200 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| 2-Methylnaphthalene | ND | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Naphthalene | ND | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Phenanthrene | 457000 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| Pyrene | 362000 | 5360 | 10700 | ug/kg dry | 4000 | 06/26/20 13:55 | EPA 8270D | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 240 %</i> | | <i>Limits: 44-120 %</i> | <i>4000</i> | <i>06/26/20 13:55</i> | <i>EPA 8270D</i> | <i>S-05</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>360 %</i> | | <i>54-127 %</i> | <i>4000</i> | <i>06/26/20 13:55</i> | <i>EPA 8270D</i> | <i>S-05</i> |

| | | | | | | | | |
|---|-------------|-----------------------|------|-------------------------|----------|-----------------------|------------------|-------------|
| PDI-150SC-A-08-09-200425 (A0F0647-03RE1) | | | | Matrix: SE | | Batch: 0060858 | | H-08 |
| Acenaphthene | 23.3 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| Acenaphthylene | 22.2 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| Anthracene | 10.9 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | J |
| Benz(a)anthracene | 79.4 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| Benzo(a)pyrene | 131 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| Benzo(b)fluoranthene | 109 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| Benzo(k)fluoranthene | 31.4 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | M-05 |
| Benzo(g,h,i)perylene | 93.6 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| Chrysene | 78.1 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| Dibenz(a,h)anthracene | 9.14 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | J |
| Fluoranthene | 278 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| Fluorene | 16.5 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| Indeno(1,2,3-cd)pyrene | 81.6 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| 2-Methylnaphthalene | ND | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| Naphthalene | ND | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| Phenanthrene | 8.17 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | J |
| Pyrene | 382 | 5.93 | 11.9 | ug/kg dry | 4 | 06/26/20 14:28 | EPA 8270D | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 77 %</i> | | <i>Limits: 44-120 %</i> | <i>4</i> | <i>06/26/20 14:28</i> | <i>EPA 8270D</i> | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>93 %</i> | | <i>54-127 %</i> | <i>4</i> | <i>06/26/20 14:28</i> | <i>EPA 8270D</i> | |

| | | | | | | | | |
|---|-------------|------|------|-------------------|---|-----------------------|-----------|-------------|
| PDI-150SC-A-09-10-200425 (A0F0647-04RE1) | | | | Matrix: SE | | Batch: 0060858 | | H-08 |
| Acenaphthene | 104 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Acenaphthylene | 5.33 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Anthracene | 2.99 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | 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-150SC-A-09-10-200425 (A0F0647-04RE1) | | | | Matrix: SE | | Batch: 0060858 | | H-08 |
| Benz(a)anthracene | 5.94 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Benzo(a)pyrene | 10.2 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Benzo(b)fluoranthene | 8.39 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Benzo(k)fluoranthene | 2.70 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | J |
| Benzo(g,h,i)perylene | 7.31 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Chrysene | 8.02 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Dibenz(a,h)anthracene | ND | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Fluoranthene | 18.2 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Fluorene | 3.35 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Indeno(1,2,3-cd)pyrene | 6.55 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| 2-Methylnaphthalene | 5.44 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Naphthalene | 53.8 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | B-02 |
| Phenanthrene | 11.2 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| Pyrene | 24.1 | 1.35 | 2.71 | ug/kg dry | 1 | 06/26/20 15:01 | EPA 8270D | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 74 %</i> | | <i>Limits: 44-120 %</i> | <i>1</i> | <i>06/26/20 15:01</i> | <i>EPA 8270D</i> | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>93 %</i> | | <i>54-127 %</i> | <i>1</i> | <i>06/26/20 15:01</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-149SC-A-01-02-200425 (A0F0647-01) | | | | Matrix: SE | | | | |
| Batch: 0060932 | | | | | | | | |
| Total Organic Carbon | 0.41 | --- | 0.020 | % by Weight | 1 | 07/02/20 17:57 | SM 5310 B MOD | H-08, Q-42 |
| PDI-149SC-A-02-03-200425 (A0F0647-02) | | | | Matrix: SE | | | | |
| Batch: 0060932 | | | | | | | | |
| Total Organic Carbon | 0.51 | --- | 0.020 | % by Weight | 1 | 07/02/20 18:29 | SM 5310 B MOD | H-08 |
| PDI-150SC-A-08-09-200425 (A0F0647-03) | | | | Matrix: SE | | | | |
| Batch: 0060932 | | | | | | | | |
| Total Organic Carbon | 0.046 | --- | 0.020 | % by Weight | 1 | 07/02/20 18:40 | SM 5310 B MOD | H-08 |
| PDI-150SC-A-09-10-200425 (A0F0647-04) | | | | Matrix: SE | | | | |
| Batch: 0060932 | | | | | | | | |
| Total Organic Carbon | 0.092 | --- | 0.020 | % by Weight | 1 | 07/02/20 18:51 | SM 5310 B MOD | H-08 |

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|--|---|--|

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------|-----------------|-------------------|----------|----------------|-------------|-------|
| PDI-149SC-A-01-02-200425 (A0F0647-01) | | | | Matrix: SE | | | | |
| Batch: 0060850 | | | | | | | | |
| Total Solids | 80.9 | 1.00 | 1.00 | % by Weight | 1 | 06/29/20 12:50 | SM 2540 G | |
| PDI-149SC-A-02-03-200425 (A0F0647-02) | | | | Matrix: SE | | | | |
| Batch: 0060850 | | | | | | | | |
| Total Solids | 87.4 | 1.00 | 1.00 | % by Weight | 1 | 06/29/20 12:50 | SM 2540 G | |
| PDI-150SC-A-08-09-200425 (A0F0647-03) | | | | Matrix: SE | | | | |
| Batch: 0060850 | | | | | | | | |
| Total Solids | 82.6 | 1.00 | 1.00 | % by Weight | 1 | 06/29/20 12:50 | SM 2540 G | |
| PDI-150SC-A-09-10-200425 (A0F0647-04) | | | | Matrix: SE | | | | |
| Batch: 0060850 | | | | | | | | |
| Total Solids | 87.4 | 1.00 | 1.00 | % by Weight | 1 | 06/29/20 12:50 | SM 2540 G | |

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|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-----------------|------------------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|
| Batch 0060834 - EPA 3546 | | | | | | | | | | | | |
| Sediment | | | | | | | | | | | | |
| Blank (0060834-BLK1) Prepared: 06/25/20 11:09 Analyzed: 06/29/20 08:03 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: 102 % | | Limits: 43-120 % | | Dilution: 1x | | | | | | |
| LCS (0060834-BS1) Prepared: 06/25/20 11:09 Analyzed: 06/29/20 08:20 C-07 | | | | | | | | | | | | |
| <u>EPA 8082A</u> | | | | | | | | | | | | |
| Aroclor 1016 | 57.9 | 0.670 | 1.33 | ug/kg wet | 1 | 83.3 | --- | 69 | 47-134% | --- | --- | |
| Aroclor 1260 | 72.6 | 0.670 | 1.33 | ug/kg wet | 1 | 83.3 | --- | 87 | 53-140% | --- | --- | |
| Surr: Decachlorobiphenyl (Surr) | | Recovery: 106 % | | Limits: 43-120 % | | Dilution: 1x | | | | | | |
| Duplicate (0060834-DUP1) Prepared: 06/25/20 11:09 Analyzed: 06/29/20 10:24 C-07 | | | | | | | | | | | | |
| <u>QC Source Sample: PDI-150SC-A-08-09-200425 (A0F0647-03)</u> | | | | | | | | | | | | |
| <u>EPA 8082A</u> | | | | | | | | | | | | |
| Aroclor 1016 | ND | 0.799 | 1.59 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1221 | ND | 0.799 | 1.59 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1232 | ND | 0.799 | 1.59 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1242 | ND | 0.799 | 1.59 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1248 | ND | 0.799 | 1.59 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1254 | ND | 0.799 | 1.59 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1260 | ND | 0.799 | 1.59 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1262 | ND | 0.799 | 1.59 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1268 | ND | 0.799 | 1.59 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Surr: Decachlorobiphenyl (Surr) | | Recovery: 102 % | | Limits: 43-120 % | | Dilution: 1x | | | | | | |
| Matrix Spike (0060834-MS1) Prepared: 06/25/20 11:09 Analyzed: 06/29/20 12:45 C-07 | | | | | | | | | | | | |

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 Tigard, OR 97223
 503-718-2323
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|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes | |
|--|--------|------------------------|-----------------|-------------------------|----------|---|---------------|-------|--------------|-----|-----------|-------|------|
| Batch 0060834 - EPA 3546 | | | | | | Sediment | | | | | | | |
| Matrix Spike (0060834-MS1) | | | | | | Prepared: 06/25/20 11:09 Analyzed: 06/29/20 12:45 | | | | | | C-07 | |
| QC Source Sample: PDI-150SC-A-09-10-200425 (A0F0647-04) | | | | | | | | | | | | | |
| EPA 8082A | | | | | | | | | | | | | |
| Aroclor 1016 | 64.2 | 0.762 | 1.51 | ug/kg dry | 1 | 94.8 | ND | 68 | 47-134% | --- | --- | | |
| Aroclor 1260 | 76.5 | 0.762 | 1.51 | ug/kg dry | 1 | 94.8 | ND | 81 | 53-140% | --- | --- | | |
| <i>Surr: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 101 %</i> | | <i>Limits: 43-120 %</i> | | <i>Dilution: 1x</i> | | | | | | | Q-41 |

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|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-----------------|------------------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|
| Batch 0070206 - EPA 3546/3640A (GPC) Sediment | | | | | | | | | | | | |
| Blank (0070206-BLK1) Prepared: 07/07/20 12:49 Analyzed: 07/09/20 13:15 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: 69 % | | Limits: 42-129 % | | Dilution: 1x | | | | | | |
| Decachlorobiphenyl (Surr) | | 103 % | | 55-130 % | | " | | | | | | |
| LCS (0070206-BS1) Prepared: 07/07/20 12:49 Analyzed: 07/09/20 13:32 C-05 | | | | | | | | | | | | |
| <u>EPA 8081B</u> | | | | | | | | | | | | |
| 2,4'-DDD | 49.2 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 98 | 50-150% | --- | --- | |
| 2,4'-DDE | 48.1 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 96 | 50-150% | --- | --- | |
| 2,4'-DDT | 57.2 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 114 | 50-150% | --- | --- | |
| 4,4'-DDD | 50.4 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 101 | 50-150% | --- | --- | |
| 4,4'-DDE | 49.6 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 99 | 50-150% | --- | --- | |
| 4,4'-DDT | 54.1 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 108 | 50-150% | --- | --- | |
| Surr: 2,4,5,6-TCMX (Surr) | | Recovery: 70 % | | Limits: 42-129 % | | Dilution: 1x | | | | | | |
| Decachlorobiphenyl (Surr) | | 98 % | | 55-130 % | | " | | | | | | |
| Duplicate (0070206-DUP1) Prepared: 07/07/20 12:49 Analyzed: 07/09/20 17:18 C-05, H-08 | | | | | | | | | | | | |
| <u>QC Source Sample: PDI-149SC-A-01-02-200425 (A0F0647-01RE3)</u> | | | | | | | | | | | | |
| <u>EPA 8081B</u> | | | | | | | | | | | | |
| 2,4'-DDD | ND | 7.79 | 7.79 | ug/kg dry | 2 | --- | ND | --- | --- | --- | 30% | R-02 |
| 2,4'-DDE | ND | 5.36 | 5.36 | ug/kg dry | 2 | --- | ND | --- | --- | --- | 30% | R-02 |
| 2,4'-DDT | ND | 5.11 | 5.11 | ug/kg dry | 2 | --- | ND | --- | --- | --- | 30% | R-02 |
| 4,4'-DDD | 17.2 | 2.44 | 4.87 | ug/kg dry | 2 | --- | 17.8 | --- | --- | 4 | 30% | |
| 4,4'-DDE | ND | 4.87 | 4.87 | ug/kg dry | 2 | --- | ND | --- | --- | --- | 30% | |
| 4,4'-DDT | ND | 9.01 | 9.01 | ug/kg dry | 2 | --- | ND | --- | --- | --- | 30% | R-02 |
| Surr: 2,4,5,6-TCMX (Surr) | | Recovery: 86 % | | Limits: 42-129 % | | Dilution: 2x | | | | | | |
| Decachlorobiphenyl (Surr) | | 125 % | | 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: A0F0647 - 07 11 20 0424 |
|--|---|--|

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 0070206 - EPA 3546/3640A (GPC) | | | | | | Sediment | | | | | | | |
| Matrix Spike (0070206-MS1) | | | | | | Prepared: 07/07/20 12:49 Analyzed: 07/09/20 19:46 | | | | | | C-05, H-08 | |
| QC Source Sample: Non-SDG (A0F0670-02RE3) | | | | | | | | | | | | | |
| EPA 8081B | | | | | | | | | | | | | |
| 2,4'-DDD | 120 | 4.44 | 8.89 | ug/kg dry | 2 | 111 | 16.3 | 94 | 50-150% | --- | --- | | |
| 2,4'-DDE | 109 | 8.89 | 8.89 | ug/kg dry | 2 | 111 | ND | 98 | 50-150% | --- | --- | | |
| 2,4'-DDT | 140 | 8.89 | 8.89 | ug/kg dry | 2 | 111 | ND | 126 | 50-150% | --- | --- | | |
| 4,4'-DDD | 201 | 4.44 | 8.89 | ug/kg dry | 2 | 111 | 36.8 | 148 | 50-150% | --- | --- | | |
| 4,4'-DDE | 119 | 4.44 | 8.89 | ug/kg dry | 2 | 111 | 11.4 | 97 | 50-150% | --- | --- | | |
| 4,4'-DDT | 150 | 8.89 | 8.89 | ug/kg dry | 2 | 111 | ND | 135 | 50-150% | --- | --- | | |
| Surr: 2,4,5,6-TCMX (Surr) | | Recovery: 62 % | | Limits: 42-129 % | | Dilution: 2x | | | | | | | |
| Decachlorobiphenyl (Surr) | | 97 % | | 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: A0F0647 - 07 11 20 0424 |
|--|---|--|

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 0060858 - EPA 3546 | | | | | | | | | | | | |
| | | | | | | Sediment | | | | | | |
| Blank (0060858-BLK1) | | | Prepared: 06/26/20 07:12 Analyzed: 06/26/20 11:13 | | | | | | | | | |
| <u>EPA 8270D</u> | | | | | | | | | | | | |
| Acenaphthene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Acenaphthylene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Anthracene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benz(a)anthracene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(a)pyrene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(b)fluoranthene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(k)fluoranthene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(g,h,i)perylene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Chrysene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Dibenz(a,h)anthracene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Fluoranthene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Fluorene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Indeno(1,2,3-cd)pyrene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| 2-Methylnaphthalene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Naphthalene | 1.34 | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | B-02, J |
| Phenanthrene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Pyrene | ND | 1.14 | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 93 %</i> | | <i>Limits: 44-120 %</i> | | <i>Dilution: 1x</i> | | | | | | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>118 %</i> | | <i>54-127 %</i> | | <i>"</i> | | | | | | |

| | | | | | | | | | | | | |
|---|------|------|------|-----------|---|------|-----|-----|---------|-----|-----|--|
| LCS (0060858-BS1) | | | | | | | | | | | | |
| Prepared: 06/26/20 07:12 Analyzed: 06/26/20 11:45 | | | | | | | | | | | | |
| <u>EPA 8270D</u> | | | | | | | | | | | | |
| Acenaphthene | 21.0 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 105 | 40-123% | --- | --- | |
| Acenaphthylene | 20.6 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 103 | 32-132% | --- | --- | |
| Anthracene | 21.9 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 110 | 47-123% | --- | --- | |
| Benz(a)anthracene | 21.0 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 105 | 49-126% | --- | --- | |
| Benzo(a)pyrene | 22.8 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 114 | 45-129% | --- | --- | |
| Benzo(b)fluoranthene | 21.5 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 108 | 45-132% | --- | --- | |
| Benzo(k)fluoranthene | 21.7 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 109 | 47-132% | --- | --- | |
| Benzo(g,h,i)perylene | 20.6 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 103 | 43-134% | --- | --- | |
| Chrysene | 21.2 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 106 | 50-124% | --- | --- | |
| Dibenz(a,h)anthracene | 21.4 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 107 | 45-134% | --- | --- | |
| Fluoranthene | 21.8 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 109 | 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: A0F0647 - 07 11 20 0424 |
|--|---|--|

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 0060858 - EPA 3546 | | | | | | | | | | | | |
| Sediment | | | | | | | | | | | | |
| LCS (0060858-BS1) | | | | | | | | | | | | |
| Prepared: 06/26/20 07:12 Analyzed: 06/26/20 11:45 | | | | | | | | | | | | |
| Fluorene | 21.4 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 107 | 43-125% | --- | --- | |
| Indeno(1,2,3-cd)pyrene | 21.2 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 106 | 45-133% | --- | --- | |
| 2-Methylnaphthalene | 22.3 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 111 | 38-122% | --- | --- | |
| Naphthalene | 21.0 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 105 | 35-123% | --- | --- | B-02 |
| Phenanthrene | 21.0 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 105 | 50-121% | --- | --- | |
| Pyrene | 22.0 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 110 | 47-127% | --- | --- | |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 91 %</i> | | <i>Limits: 44-120 %</i> | | <i>Dilution: 1x</i> | | | | | | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>105 %</i> | | <i>54-127 %</i> | | <i>"</i> | | | | | | |
| Duplicate (0060858-DUP1) | | | | | | | | | | | | |
| Prepared: 06/26/20 07:12 Analyzed: 06/26/20 12:50 | | | | | | | | | | | | |
| QC Source Sample: PDI-149SC-A-01-02-200425 (A0F0647-01RE1) | | | | | | | | | | | | |
| EPA 8270D | | | | | | | | | | | | |
| Acenaphthene | 35000 | 1490 | 2980 | ug/kg dry | 1000 | --- | 58300 | --- | --- | 50 | 30% | Q-04 |
| Acenaphthylene | 5090 | 1490 | 2980 | ug/kg dry | 1000 | --- | 6160 | --- | --- | 19 | 30% | |
| Anthracene | 19300 | 1490 | 2980 | ug/kg dry | 1000 | --- | 28300 | --- | --- | 38 | 30% | Q-04 |
| Benz(a)anthracene | 15900 | 1490 | 2980 | ug/kg dry | 1000 | --- | 17100 | --- | --- | 7 | 30% | |
| Benzo(a)pyrene | 22700 | 1490 | 2980 | ug/kg dry | 1000 | --- | 24100 | --- | --- | 6 | 30% | |
| Benzo(b)fluoranthene | 18300 | 1490 | 2980 | ug/kg dry | 1000 | --- | 19400 | --- | --- | 6 | 30% | |
| Benzo(k)fluoranthene | 6330 | 1490 | 2980 | ug/kg dry | 1000 | --- | 6390 | --- | --- | 1 | 30% | M-05 |
| Benzo(g,h,i)perylene | 16200 | 1490 | 2980 | ug/kg dry | 1000 | --- | 16300 | --- | --- | 0.7 | 30% | |
| Chrysene | 18900 | 1490 | 2980 | ug/kg dry | 1000 | --- | 23100 | --- | --- | 20 | 30% | |
| Dibenz(a,h)anthracene | 1650 | 1490 | 2980 | ug/kg dry | 1000 | --- | 1630 | --- | --- | 1 | 30% | J |
| Fluoranthene | 64600 | 1490 | 2980 | ug/kg dry | 1000 | --- | 69900 | --- | --- | 8 | 30% | |
| Fluorene | 18100 | 1490 | 2980 | ug/kg dry | 1000 | --- | 29100 | --- | --- | 46 | 30% | Q-04 |
| Indeno(1,2,3-cd)pyrene | 14000 | 1490 | 2980 | ug/kg dry | 1000 | --- | 14400 | --- | --- | 3 | 30% | |
| 2-Methylnaphthalene | 1670 | 1490 | 2980 | ug/kg dry | 1000 | --- | 2800 | --- | --- | 50 | 30% | Q-04, J |
| Naphthalene | 7060 | 1490 | 2980 | ug/kg dry | 1000 | --- | 9580 | --- | --- | 30 | 30% | B-02 |
| Phenanthrene | 111000 | 1490 | 2980 | ug/kg dry | 1000 | --- | 145000 | --- | --- | 26 | 30% | |
| Pyrene | 89100 | 1490 | 2980 | ug/kg dry | 1000 | --- | 91000 | --- | --- | 2 | 30% | |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 160 %</i> | | <i>Limits: 44-120 %</i> | | <i>Dilution: 1000x</i> | | | | | | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>200 %</i> | | <i>54-127 %</i> | | <i>"</i> | | | | | | |
| Matrix Spike (0060858-MS1) | | | | | | | | | | | | |
| Prepared: 06/26/20 07:12 Analyzed: 06/26/20 18:52 | | | | | | | | | | | | |

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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 0060858 - EPA 3546 | | | | | | | | | | | | |
| Sediment | | | | | | | | | | | | |
| Matrix Spike (0060858-MS1) | | | | | | | | | | | | |
| Prepared: 06/26/20 07:12 Analyzed: 06/26/20 18:52 | | | | | | | | | | | | |
| QC Source Sample: Non-SDG (A0F0670-03RE2) | | | | | | | | | | | | |
| EPA 8270D | | | | | | | | | | | | |
| Acenaphthene | 22700 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 27500 | -8110 | 40-123% | --- | --- | Q-11 |
| Acenaphthylene | ND | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 1900 | -3210 | 32-132% | --- | --- | Q-11 |
| Anthracene | 8490 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 17400 | -15000 | 47-123% | --- | --- | Q-11 |
| Benz(a)anthracene | 4630 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 6860 | -3770 | 49-126% | --- | --- | Q-11 |
| Benzo(a)pyrene | 5220 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 5850 | -1080 | 45-129% | --- | --- | Q-11 |
| Benzo(b)fluoranthene | 4260 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 5490 | -2080 | 45-132% | --- | --- | Q-11 |
| Benzo(k)fluoranthene | ND | 1850 | 3700 | ug/kg dry | 500 | 59.1 | ND | | 47-132% | --- | --- | Q-11 |
| Benzo(g,h,i)perylene | 3190 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 2960 | 400 | 43-134% | --- | --- | Q-11, J |
| Chrysene | 5090 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 7870 | -4700 | 50-124% | --- | --- | Q-11 |
| Dibenz(a,h)anthracene | ND | 1850 | 3700 | ug/kg dry | 500 | 59.1 | ND | | 45-134% | --- | --- | Q-11 |
| Fluoranthene | 19400 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 31900 | -21100 | 50-127% | --- | --- | Q-11 |
| Fluorene | 11900 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 16100 | -7150 | 43-125% | --- | --- | Q-11 |
| Indeno(1,2,3-cd)pyrene | 2960 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 2970 | -25 | 45-133% | --- | --- | Q-11, J |
| 2-Methylnaphthalene | 12600 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 16200 | -6040 | 38-122% | --- | --- | Q-11 |
| Naphthalene | 10000 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 17000 | -11700 | 35-123% | --- | --- | B-02, Q-11 |
| Phenanthrene | 34900 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 55000 | -34100 | 50-121% | --- | --- | Q-11 |
| Pyrene | 16900 | 1850 | 3700 | ug/kg dry | 500 | 59.1 | 31600 | -24900 | 47-127% | --- | --- | Q-11 |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 80 %</i> | | <i>Limits: 44-120 %</i> | | <i>Dilution: 500x</i> | | | | | | S-05 |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>110 %</i> | | <i>54-127 %</i> | | <i>"</i> | | | | | | S-05 |

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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:
A0F0647 - 07 11 20 0424

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 0060932 - PSEP-5310B TOC | | | | | | Soil | | | | | | |
| Blank (0060932-BLK1) | | | Prepared: 06/29/20 15:35 Analyzed: 07/02/20 17:35 | | | | | | | | | |
| <u>SM 5310 B MOD</u> | | | | | | | | | | | | |
| Total Organic Carbon | ND | --- | 0.020 | % by Weight | 1 | --- | --- | --- | --- | --- | --- | |
| LCS (0060932-BS1) | | | Prepared: 06/29/20 15:35 Analyzed: 07/02/20 17:46 | | | | | | | | | |
| <u>SM 5310 B MOD</u> | | | | | | | | | | | | |
| Total Organic Carbon | 10000 | --- | | mg/kg | 1 | 10000 | --- | 103 | 90-110% | --- | --- | |
| Duplicate (0060932-DUP1) | | | Prepared: 06/29/20 15:35 Analyzed: 07/02/20 18:07 | | | | | | | | | |
| <u>QC Source Sample: PDI-149SC-A-01-02-200425 (A0F0647-01)</u> | | | | | | | | | | | | |
| <u>SM 5310 B MOD</u> | | | | | | | | | | | | |
| Total Organic Carbon | 0.75 | --- | 0.020 | % by Weight | 1 | --- | 0.41 | --- | --- | 58 | 20% | Q-04 |
| Duplicate (0060932-DUP2) | | | Prepared: 06/29/20 15:35 Analyzed: 07/02/20 18:18 | | | | | | | | | |
| <u>QC Source Sample: PDI-149SC-A-01-02-200425 (A0F0647-01)</u> | | | | | | | | | | | | |
| <u>SM 5310 B MOD</u> | | | | | | | | | | | | |
| Total Organic Carbon | 0.58 | --- | 0.020 | % by Weight | 1 | --- | 0.41 | --- | --- | 34 | 20% | Q-04 |
| Duplicate (0060932-DUP3) | | | Prepared: 06/29/20 15:35 Analyzed: 07/02/20 20:49 | | | | | | | | | |
| <u>QC Source Sample: Non-SDG (A0F0704-01)</u> | | | | | | | | | | | | |
| Total Organic Carbon | 0.035 | --- | 0.020 | % by Weight | 1 | --- | 0.042 | --- | --- | 18 | 20% | |

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|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-----------------|-------------|----------|---|---------------|-------|--------------|-------|-----------|-------|
| Batch 0060850 - Total Solids (SM2540G/PSEP) | | | | | | Sediment | | | | | | |
| Duplicate (0060850-DUP1) | | | | | | Prepared: 06/25/20 15:21 Analyzed: 06/29/20 12:50 | | | | | | |
| <u>QC Source Sample: PDI-149SC-A-02-03-200425 (A0F0647-02)</u> | | | | | | | | | | | | |
| <u>SM 2540 G</u> | | | | | | | | | | | | |
| Total Solids | 87.0 | 1.00 | 1.00 | % by Weight | 1 | --- | 87.4 | --- | --- | 0.4 | 10% | |
| Duplicate (0060850-DUP2) | | | | | | Prepared: 06/25/20 15:21 Analyzed: 06/29/20 12:50 | | | | | | |
| <u>QC Source Sample: Non-SDG (A0F0698-08)</u> | | | | | | | | | | | | |
| Total Solids | 72.1 | 1.00 | 1.00 | % by Weight | 1 | --- | 72.1 | --- | --- | 0.002 | 10% | |

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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:
A0F0647 - 07 11 20 0424

SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|----------------|--------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| Batch: 0060834 | | | | | | | |
| A0F0647-01 | SE | EPA 8082A | 04/25/20 13:06 | 06/25/20 11:09 | 30.2g/2mL | 30g/2mL | 0.99 |
| A0F0647-02 | SE | EPA 8082A | 04/25/20 13:06 | 06/25/20 11:09 | 30.14g/2mL | 30g/2mL | 1.00 |
| A0F0647-03 | SE | EPA 8082A | 04/25/20 11:01 | 06/25/20 11:09 | 30.36g/2mL | 30g/2mL | 0.99 |
| A0F0647-04 | SE | EPA 8082A | 04/25/20 11:01 | 06/25/20 11:09 | 30.14g/2mL | 30g/2mL | 1.00 |

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 |
|----------------|--------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| Batch: 0070206 | | | | | | | |
| A0F0647-01RE3 | SE | EPA 8081B | 04/25/20 13:06 | 07/07/20 12:49 | 10.1g/10mL | 10g/5mL | 1.98 |
| A0F0647-02RE3 | SE | EPA 8081B | 04/25/20 13:06 | 07/07/20 12:49 | 10.02g/10mL | 10g/5mL | 2.00 |
| A0F0647-03RE3 | SE | EPA 8081B | 04/25/20 11:01 | 07/07/20 12:49 | 10.35g/10mL | 10g/5mL | 1.93 |
| A0F0647-04RE3 | SE | EPA 8081B | 04/25/20 11:01 | 07/07/20 12:49 | 10.4g/10mL | 10g/5mL | 1.92 |

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 |
|----------------|--------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| Batch: 0060858 | | | | | | | |
| A0F0647-01RE1 | SE | EPA 8270D | 04/25/20 13:06 | 06/26/20 07:12 | 10.37g/5mL | 10g/5mL | 0.96 |
| A0F0647-02RE1 | SE | EPA 8270D | 04/25/20 13:06 | 06/26/20 07:12 | 10.68g/5mL | 10g/5mL | 0.94 |
| A0F0647-03RE1 | SE | EPA 8270D | 04/25/20 11:01 | 06/26/20 07:12 | 10.2g/5mL | 10g/5mL | 0.98 |
| A0F0647-04RE1 | SE | EPA 8270D | 04/25/20 11:01 | 06/26/20 07:12 | 10.56g/5mL | 10g/5mL | 0.95 |

Demand Parameters

Prep: PSEP-5310B TOC

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|----------------|--------|---------------|----------------|----------------|----------------------|-----------------------|----------------|
| Batch: 0060932 | | | | | | | |
| A0F0647-01 | SE | SM 5310 B MOD | 04/25/20 13:06 | 06/29/20 15:35 | | | NA |
| A0F0647-02 | SE | SM 5310 B MOD | 04/25/20 13:06 | 06/29/20 15:35 | | | NA |
| A0F0647-03 | SE | SM 5310 B MOD | 04/25/20 11:01 | 06/29/20 15:35 | | | NA |
| A0F0647-04 | SE | SM 5310 B MOD | 04/25/20 11:01 | 06/29/20 15:35 | | | NA |

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Apex Laboratories, LLC

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

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

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

Project Number: [none]

Project Manager: **Ryan Barth**

Report ID:

A0F0647 - 07 11 20 0424

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 |
|-----------------------|--------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| <u>Batch: 0060850</u> | | | | | | | |
| A0F0647-01 | SE | SM 2540 G | 04/25/20 13:06 | 06/25/20 15:21 | | | NA |
| A0F0647-02 | SE | SM 2540 G | 04/25/20 13:06 | 06/25/20 15:21 | | | NA |
| A0F0647-03 | SE | SM 2540 G | 04/25/20 11:01 | 06/25/20 15:21 | | | NA |
| A0F0647-04 | SE | SM 2540 G | 04/25/20 11:01 | 06/25/20 15:21 | | | NA |

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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:

A0F0647 - 07 11 20 0424

QUALIFIER DEFINITIONS

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

Apex Laboratories

- B-02** Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
- 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.
- Q-04** Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
- Q-11** Spike recovery cannot be accurately quantified due to sample dilution required for high analyte concentration and/or matrix interference.
- Q-41** Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
- 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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| 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: A0F0647 - 07 11 20 0424 |
|--|---|--|

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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| | | |
|--|---|--|
| 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: A0F0647 - 07 11 20 0424 |
|--|---|--|

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

Apex Laboratories

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Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

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:
A0F0647 - 07 11 20 0424

LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

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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:
A0F0647 - 07 11 20 0424

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

Anchor QEA
1201 3rd Avenue, Suite 200, Seattle, WA 98101

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

GOC ID: **APEX1-20200425-162849** Sample Custodian: **SN** Lab: **Apex - Archive**

A0F0647
A0D0659

| COC Sample Number | Field Sample ID | Sample Type | Matrix | Collected Date | Time | Lab # | Containers | Test Request | Method | TAT** | Preservative |
|-------------------|----------------------------|-------------|--------|----------------|-------|-------|--------------------------|----------------|---------|-------|--------------|
| 001 | PDI-1475C-A-01-02-200425 | N | SE | 04/25/2020 | 14:57 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 002 | PDI-1475C-A-02-03-200425 | N | SE | 04/25/2020 | 14:57 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 003 | PDI-1475C-A-03-04-200425 | N | SE | 04/25/2020 | 14:57 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 004 | PDI-1475C-A-04-05-200425 | N | SE | 04/25/2020 | 14:57 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 005 | PDI-1485C-A-01-05-200425 | N | SE | 04/25/2020 | 13:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 006 | PDI-1485C-A-02-05-200425 | N | SE | 04/25/2020 | 13:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 007 | PDI-1485C-A-03-04-200425 | N | SE | 04/25/2020 | 13:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 008 | PDI-1485C-A-11-12-200425 | N | SE | 04/25/2020 | 13:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 009 | PDI-1485C-A-12-13-200425 | N | SE | 04/25/2020 | 13:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 010 | PDI-1485C-A-13-13-8-200425 | N | SE | 04/25/2020 | 13:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 011 | PDI-1485C-A-08-08-200425 | N | SE | 04/25/2020 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |

Requested By: **Delaney Peterson** Signature: *[Signature]* Date/Time: **4/27/20 14:40**

Requested By: **Lucas Henry** Signature: *[Signature]* Date/Time: **4/27/20 14:40**

Requested By: **Elv Duan** Signature: *[Signature]* Date/Time: **4/27/20 14:40**

Requested By: **Apex Labs** Signature: *[Signature]* Date/Time: **4/27/20 14:40**

Date Printed: 4/25/2020

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

Page 1 of 3

Apex Laboratories

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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:

A0F0647 - 07 11 20 0424

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

POC: Delaney Peterson (360-715-2707) Project: Gasco PDI 1605 Cornwell Avenue, Bellingham, WA 98225 Client: NW Natural
 COC ID: APEX1-20200425-162849 Sample Custodian: SN Apex - Archive
 Lab: Apex - Archive

| COC Sample Number | Field Sample ID | Sample Type | Matrix | Collected Date | Time | Lab QC Containers | Test Request | Method | TAT** | Preservative |
|-------------------|----------------------------|-------------|--------|----------------|-------|-------------------|----------------|---------|-------|--------------|
| 011 | PDI-1605C-A-08-09-200425 | N | SE | 04/25/2020 | 11:01 | 1 | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 012 | PDI-1605C-A-08-10-200425 | N | SE | 04/25/2020 | 11:01 | 1 | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 013 | PDI-1605C-A-10-11-200425 | N | SE | 04/25/2020 | 11:01 | 1 | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 014 | PDI-1605C-A-11-12-200425 | N | SE | 04/25/2020 | 11:01 | 1 | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 015 | PDI-1605C-A-12-13-200425 | N | SE | 04/25/2020 | 11:01 | 1 | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 016 | PDI-1605C-A-13-14-200425 | N | SE | 04/25/2020 | 11:01 | 1 | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 017 | PDI-1605C-A-14-15-200425 | N | SE | 04/25/2020 | 11:01 | 1 | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 018 | PDI-1605C-A-15-16-200425 | N | SE | 04/25/2020 | 11:01 | 1 | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 019 | PDI-1605C-A-16-17-1-200425 | N | SE | 04/25/2020 | 11:01 | 1 | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 020 | PDI-1605C-A-08-09-200425 | N | SE | 04/25/2020 | 8:42 | 1 | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 021 | PDI-1605C-A-08-10-200425 | N | SE | 04/25/2020 | 8:42 | 1 | Archive (APEX) | ARCHIVE | -1 | -10°C |

Comments:

| Requested By | Requested By Signature | Requested By Print Name | Requested By Company | Requested By Date/Time |
|------------------|------------------------|-------------------------|----------------------|------------------------|
| Delaney Peterson | | DELANEY PETERSON | ANCHOR QEA | 4/25/2020 14:40 |
| Lucas Henry | | LUCAS HENRY | APEX LABS | 4/27/20 14:40 |

Date Printed: 4/28/2020

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

Page 2 of 3

Apex Laboratories

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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: A0F0647 - 07 11 20 0424 |
|--|--|--|

APEX LABS COOLER RECEIPT FORM A0F0647

Client: Anchor QEA Element WO#: A0 D0659

Project/Project #: Gasco-PDI Archive Apex1-2020425-162849

Delivery Info:
Date/time received: 4/27/20 @ 1440 By: EJ
 Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 4/27/20 @ 1530 By: EJ
 Chain of Custody included? Yes No Custody seals? Yes No
 Signed/dated by client? Yes No
 Signed/dated by Apex? Yes No

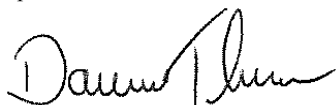
| | Cooler #1 | Cooler #2 | Cooler #3 | Cooler #4 | Cooler #5 | Cooler #6 | Cooler #7 |
|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Temperature (°C) | 1.1 | 2.5 | 1.8 | | | | |
| Received on ice? (Y/N) | Y | Y | Y | | | | |
| Temp. blanks? (Y/N) | Y | Y | Y | | | | |
| Ice type: (Gel/Real/Other) | Real | Real | Real | | | | |
| Condition: | Good | Good | Good | | | | |

Cooler out of temp? (Y/N) Possible reason why: NA
 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: 4/27/20 @ 1816 By: JK
 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: [Signature] Witness: [Signature] Cooler Inspected by: [Signature] See Project Contact Form: Y



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

A0F0647

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: 07/08/20 17:00 (50 day TAT) | |
| Received By: Eli S. Joyner | Date Received: 04/27/20 14:40 |
| Logged In By: Susan L. Treat | Date Logged In: 06/23/20 18:08 |

| | | | | | | | | | |
|------------------------------------|-----|-------------------|-----|------------------|-----|--------------|----|-----------------|-----|
| Cooler #1 received at 1.1°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 2.5°C | | | | | | | | | |
| Custody Seals | Yes | Containers Intact | Yes | COC/Labels Agree | Yes | PH Confirmed | No | Received On Ice | Yes |
| Temperature OK | Yes | | | | | | | | |
| Cooler #3 received at 1.8°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 |
|--|----------------|-----|----------------|---|
| A0F0647-01 PDI-149SC-A-01-02-200425 [Sediment] Sampled 04/25/20 | | | | |
| 13:06 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 06/26/20 17:00 | 3 | 10/22/20 13:06 | Use Results from TS.. Make NR once completed. |
| Project Mgmt | | | | |
| Data Package | 07/22/20 17:00 | 20 | 08/02/20 13:06 | |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 07/08/20 17:00 | 10 | 05/09/20 13:06 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 07/08/20 17:00 | 10 | 04/25/21 13:06 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 07/08/20 17:00 | 10 | 05/09/20 13:06 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 07/08/20 17:00 | 10 | 10/22/20 13:06 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 07/08/20 17:00 | 10 | 05/23/20 13:06 | |

A0F0647

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 |
|--|----------------|-----|----------------|---|
| A0F0647-02 PDI-149SC-A-02-03-200425 [Sediment] Sampled 04/25/20 | | | | |
| 13:06 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 06/26/20 17:00 | 3 | 10/22/20 13:06 | Use Results from TS.. Make NR once completed. |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 07/08/20 17:00 | 10 | 05/09/20 13:06 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 07/08/20 17:00 | 10 | 04/25/21 13:06 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 07/08/20 17:00 | 10 | 05/09/20 13:06 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 07/08/20 17:00 | 10 | 10/22/20 13:06 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 07/08/20 17:00 | 10 | 05/23/20 13:06 | |

| | | | | |
|--|----------------|----|----------------|---|
| A0F0647-03 PDI-150SC-A-08-09-200425 [Sediment] Sampled 04/25/20 | | | | |
| 11:01 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 06/26/20 17:00 | 3 | 10/22/20 11:01 | Use Results from TS.. Make NR once completed. |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 07/08/20 17:00 | 10 | 05/09/20 11:01 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 07/08/20 17:00 | 10 | 04/25/21 11:01 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 07/08/20 17:00 | 10 | 05/09/20 11:01 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 07/08/20 17:00 | 10 | 10/22/20 11:01 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 07/08/20 17:00 | 10 | 05/23/20 11:01 | |

| | | | | |
|--|----------------|----|----------------|---|
| A0F0647-04 PDI-150SC-A-09-10-200425 [Sediment] Sampled 04/25/20 | | | | |
| 11:01 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 06/26/20 17:00 | 3 | 10/22/20 11:01 | Use Results from TS.. Make NR once completed. |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 07/08/20 17:00 | 10 | 05/09/20 11:01 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 07/08/20 17:00 | 10 | 04/25/21 11:01 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 07/08/20 17:00 | 10 | 05/09/20 11:01 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 07/08/20 17:00 | 10 | 10/22/20 11:01 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 07/08/20 17:00 | 10 | 05/23/20 11:01 | |

A0F0647

Apex Laboratories

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

AOF0647
 AOD0659

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20200425-162849
Sample Custodian: SN
Lab: Apex - Archive

| COC Sample Number | Field Sample ID | Sample Type | Matrix | Collected | | Containers | Lab QC* | Test Request | Method | TAT** | Preservative |
|-------------------|----------------------------|-------------|--------|------------|-------|------------|--------------------------|----------------|---------|-------|--------------|
| | | | | Date | Time | | | | | | |
| 001 | PDI-147SC-A-01-02-200425 | N | SE | 04/25/2020 | 14:57 | 1 | <input type="checkbox"/> | | | | |
| 002 | PDI-147SC-A-02-03-200425 | N | SE | 04/25/2020 | 14:57 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 003 | PDI-147SC-A-03-04-200425 | N | SE | 04/25/2020 | 14:57 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 004 | PDI-147SC-A-04-05-200425 | N | SE | 04/25/2020 | 14:57 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 005 | PDI-149SC-A-01-02-200425 | N | SE | 04/25/2020 | 13:08 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 006 | PDI-149SC-A-02-03-200425 | N | SE | 04/25/2020 | 13:08 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 007 | PDI-149SC-A-03-04-200425 | N | SE | 04/25/2020 | 13:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 008 | PDI-149SC-A-11-12-200425 | N | SE | 04/25/2020 | 13:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 009 | PDI-149SC-A-12-13-200425 | N | SE | 04/25/2020 | 13:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 010 | PDI-149SC-A-13-13.8-200425 | N | SE | 04/25/2020 | 13:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 011 | PDI-150SC-A-08-08-200425 | N | SE | 04/25/2020 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |

Comment:

| | | | | | | | |
|------------------|----------------|--------------|--------------|------------------|--|--------------|--|
| Comment: | | | | | | | |
| Relinquished By: | | Received By: | | Relinquished By: | | Received By: | |
| Signature | | Signature | | Signature | | Signature | |
| Print Name | Lucas Henry | Print Name | Eli Joyner | Print Name | | Print Name | |
| Company | AQ | Company | APEX LABS | Company | | Company | |
| Date/Time | 4/27/2020/1400 | Date/Time | 4/27/20 1440 | Date/Time | | Date/Time | |

Date Printed: 4/25/2020

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0F0647
A0D0659

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20200425-162849
Sample Custodian: SN
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-150SC-A-08-09-200425 | N | SE | 04/25/2020 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 012 | PDI-150SC-A-09-10-200425 | N | SE | 04/25/2020 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 013 | PDI-150SC-A-10-11-200425 | N | SE | 04/25/2020 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 014 | PDI-150SC-A-11-12-200425 | N | SE | 04/25/2020 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 015 | PDI-150SC-A-12-13-200425 | N | SE | 04/25/2020 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 016 | PDI-150SC-A-13-14-200425 | N | SE | 04/25/2020 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 017 | PDI-150SC-A-14-15-200425 | N | SE | 04/25/2020 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 018 | PDI-150SC-A-15-16-200425 | N | SE | 04/25/2020 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 019 | PDI-150SC-A-16-17.1-200425 | N | SE | 04/25/2020 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 020 | PDI-163SC-A-08-09-200425 | N | SE | 04/25/2020 | 8:42 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 021 | PDI-163SC-A-09-10-200425 | N | SE | 04/25/2020 | 8:42 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |

Comment:

| | | | | | |
|--|--|---|---|---|---|
| Relinquished By: Signature: <i>[Signature]</i> Print Name: Lucas Henry Company: AQ Date/Time: 4/27/2016/1400 | Received By: Signature: <i>[Signature]</i> Print Name: Eric Boyer Company: APEX LABS Date/Time: 4/27/20 1440 | 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: 4/25/2020

* 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

A0F0647

Client: Anchor QEA

Element WO#: A0 DD659

Project/Project #: Gasco-PDI Archive Apex1-2020425-162849

Delivery Info:

Date/time received: 4/27/20 @ 1440 By: EJ

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

Cooler Inspection Date/time inspected: 4/27/20 @ 1530 By: EJ

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

Signed/dated by client? Yes No

Signed/dated by Apex? Yes No

| | Cooler #1 | Cooler #2 | Cooler #3 | Cooler #4 | Cooler #5 | Cooler #6 | Cooler #7 |
|----------------------------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|
| Temperature (°C) | <u>1.1</u> | <u>2.5</u> | <u>1.8</u> | | | | |
| Received on ice? (Y/N) | <u>Y</u> | <u>Y</u> | <u>Y</u> | | | | |
| Temp. blanks? (Y/N) | <u>Y</u> | <u>Y</u> | <u>Y</u> | | | | |
| Ice type: (Gel/Real/Other) | <u>Real</u> | <u>Real</u> | <u>Real</u> | | | | |
| Condition: | <u>Good</u> | <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: 4/27/20 @ 1816 By: [Signature]

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: [Signature]

Witness: [Signature]

Cooler Inspected by: [Signature]

See Project Contact Form: Y

CLP-Like Forms

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GC

METHOD: EPA 8082A

ANALYSES DATA PACKAGE COVER PAGE

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

| Client Sample Id: | Lab Sample Id: | Matrix |
|---------------------------------|-----------------------|---------------|
| <u>PDI-149SC-A-01-02-200425</u> | <u>A0F0647-01</u> | <u>SE</u> |
| <u>PDI-149SC-A-02-03-200425</u> | <u>A0F0647-02</u> | <u>SE</u> |
| <u>PDI-150SC-A-08-09-200425</u> | <u>A0F0647-03</u> | <u>SE</u> |
| <u>PDI-150SC-A-09-10-200425</u> | <u>A0F0647-04</u> | <u>SE</u> |

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

7/21/2020 3:57PM

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-149SC-A-01-02-200425

| | | |
|--------------------------------------|--|-------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-01</u> | File ID: <u>ECD2F006.D</u> |
| Sampled: <u>04/25/20 13:06</u> | Prepared: <u>06/25/20 11:09</u> | Analyzed: <u>06/29/20 08:38</u> |
| Solids: <u>80.91</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.2 g / 2 mL</u> |
| Batch: <u>0060834</u> | Sequence: <u>0F29028</u> | Calibration: <u>A0F2307</u> |
| | | Instrument: <u>DUALECD2F</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 1.84 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 1.96 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 4.54 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 2.33 | U |
| 12672-29-6 | Aroclor 1248 | 1 | 4.67 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 3.63 | |
| 11096-82-5 | Aroclor 1260 | 1 | 2.82 | |
| 37324-23-5 | Aroclor 1262 | 1 | 0.823 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 0.823 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 20.5 | 11.5 | 56 | 43 - 120 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-149SC-A-02-03-200425

| | | |
|--------------------------------------|--|--------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-02</u> | File ID: <u>ECD2F008.D</u> |
| Sampled: <u>04/25/20 13:06</u> | Prepared: <u>06/25/20 11:09</u> | Analyzed: <u>06/29/20 09:13</u> |
| Solids: <u>87.38</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.14 g / 2 mL</u> |
| Batch: <u>0060834</u> | Sequence: <u>0F29028</u> | Calibration: <u>A0F2307</u> |
| | | Instrument: <u>DUALECD2F</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 0.763 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 0.763 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 1.52 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 0.763 | U |
| 12672-29-6 | Aroclor 1248 | 1 | 0.763 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 0.763 | U |
| 11096-82-5 | Aroclor 1260 | 1 | 0.763 | U |
| 37324-23-5 | Aroclor 1262 | 1 | 0.763 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 0.763 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 19.0 | 12.4 | 65 | 43 - 120 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-150SC-A-08-09-200425

| | | |
|--------------------------------------|--|--------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-03</u> | File ID: <u>ECD2F010.D</u> |
| Sampled: <u>04/25/20 11:01</u> | Prepared: <u>06/25/20 11:09</u> | Analyzed: <u>06/29/20 09:48</u> |
| Solids: <u>82.61</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.36 g / 2 mL</u> |
| Batch: <u>0060834</u> | Sequence: <u>0F29028</u> | Calibration: <u>A0F2307</u> |
| | | Instrument: <u>DUALECD2F</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 0.801 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 0.801 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 0.801 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 0.801 | U |
| 12672-29-6 | Aroclor 1248 | 1 | 0.801 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 0.801 | U |
| 11096-82-5 | Aroclor 1260 | 1 | 0.801 | U |
| 37324-23-5 | Aroclor 1262 | 1 | 0.801 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 0.801 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 19.9 | 19.4 | 97 | 43 - 120 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-150SC-A-09-10-200425

| | | |
|--------------------------------------|--|--------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-04</u> | File ID: <u>ECD2F018.D</u> |
| Sampled: <u>04/25/20 11:01</u> | Prepared: <u>06/25/20 11:09</u> | Analyzed: <u>06/29/20 12:10</u> |
| Solids: <u>87.42</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.14 g / 2 mL</u> |
| Batch: <u>0060834</u> | Sequence: <u>0F29028</u> | Calibration: <u>A0F2307</u> |
| | | Instrument: <u>DUALECD2F</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 0.763 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 0.763 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 0.763 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 0.763 | U |
| 12672-29-6 | Aroclor 1248 | 1 | 0.763 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 0.763 | U |
| 11096-82-5 | Aroclor 1260 | 1 | 0.763 | U |
| 37324-23-5 | Aroclor 1262 | 1 | 0.763 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 0.763 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 19.0 | 17.4 | 92 | 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: 0060834

Batch Matrix: Sediment

Preparation: EPA 3546

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------------|---------------|-------------|----------------|--------------|
| Blank | 0060834-BLK1 | ECD2F004.D | 06/25/20 11:09 | |
| LCS | 0060834-BS1 | ECD2F005.D | 06/25/20 11:09 | |
| PDI-150SC-A-08-09-200425 (Dup) | 0060834-DUP1 | ECD2F012.D | 06/25/20 11:09 | |
| PDI-150SC-A-09-10-200425 (MS) | 0060834-MS1 | ECD2F020.D | 06/25/20 11:09 | |
| PDI-149SC-A-01-02-200425 | A0F0647-01 | ECD2F006.D | 06/25/20 11:09 | |
| PDI-149SC-A-02-03-200425 | A0F0647-02 | ECD2F008.D | 06/25/20 11:09 | |
| PDI-150SC-A-08-09-200425 | A0F0647-03 | ECD2F010.D | 06/25/20 11:09 | |
| PDI-150SC-A-09-10-200425 | A0F0647-04 | ECD2F018.D | 06/25/20 11:09 | |

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>0060834-BLK1</u> | File ID: <u>ECD2F004.D</u> |
| Prepared: <u>06/25/20 11:09</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>31 g / 2 mL</u> |
| Analyzed: <u>06/29/20 08:03</u> | Instrument: <u>DUALECD2F</u> | |
| Batch: <u>0060834</u> | Sequence: <u>0F29028</u> | Calibration: <u>A0F2307</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 | 16.4 | 102 | 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: 0060834

Laboratory ID: 0060834-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 | 57.9 | 69 | 47 - 134 |
| Aroclor 1260 | 83.3 | 72.6 | 87 | 53 - 140 |

* = Values outside of QC limits

DUPLICATES

PDI-150SC-A-08-09-200425

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: 0060834-DUP1

Batch: 0060834

Lab Source ID: A0F0647-03

Preparation: EPA 3546

Initial/Final: 30.44 g / 2 mL

Source Sample Name: PDI-150SC-A-08-09-200425

% Solids: 82.61

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

PDI-150SC-A-09-10-200425

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: 0060834 Laboratory ID: 0060834-MS1
Preparation: EPA 3546 Initial/Final: 30.17 g / 2 mL
Source Sample Name: PDI-150SC-A-09-10-200425

| COMPOUND | SPIKE ADDED (ug/kg dry) | SAMPLE CONCENTRATION (ug/kg dry) | MS CONCENTRATION (ug/kg dry) | MS % REC. (*=Out) | QC LIMITS REC. |
|--------------|-------------------------|----------------------------------|------------------------------|-------------------|----------------|
| Aroclor 1016 | 94.8 | ND | 64.2 | 68 | 47 - 134 |
| Aroclor 1260 | 94.8 | ND | 76.5 | 81 | 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: 0F22030

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A0F2307

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-------------|--------------------|
| Initial Cal Blank | 0F22030-ICB1 | ECD2F009.D | 06/22/20 17:22 |
| Cal Standard | 0F22030-CAL1 | ECD2F010.D | 06/22/20 17:40 |
| Cal Standard | 0F22030-CAL2 | ECD2F011.D | 06/22/20 17:58 |
| Cal Standard | 0F22030-CAL3 | ECD2F012.D | 06/22/20 18:15 |
| Cal Standard | 0F22030-CAL4 | ECD2F013.D | 06/22/20 18:33 |
| Cal Standard | 0F22030-CAL5 | ECD2F014.D | 06/22/20 18:51 |
| Cal Standard | 0F22030-CAL6 | ECD2F015.D | 06/22/20 19:08 |
| Cal Standard | 0F22030-CAL7 | ECD2F016.D | 06/22/20 19:26 |
| Initial Cal Check | 0F22030-ICV1 | ECD2F018.D | 06/22/20 20:01 |
| Cal Standard | 0F22030-CAL8 | ECD2F019.D | 06/22/20 20:19 |
| Cal Standard | 0F22030-CAL9 | ECD2F020.D | 06/22/20 20:37 |
| Cal Standard | 0F22030-CALA | ECD2F021.D | 06/22/20 20:54 |
| Cal Standard | 0F22030-CALB | ECD2F022.D | 06/22/20 21:12 |
| Cal Standard | 0F22030-CALC | ECD2F023.D | 06/22/20 21:29 |
| Cal Standard | 0F22030-CALD | ECD2F024.D | 06/22/20 21:47 |
| Cal Standard | 0F22030-CALE | ECD2F025.D | 06/22/20 22:05 |
| Initial Cal Check | 0F22030-ICV2 | ECD2F026.D | 06/22/20 22:22 |
| Initial Cal Check | 0F22030-ICV3 | ECD2F027.D | 06/22/20 22:40 |
| Initial Cal Check | 0F22030-ICV4 | ECD2F028.D | 06/22/20 22:58 |
| Initial Cal Check | 0F22030-ICV5 | ECD2F029.D | 06/22/20 23:15 |

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>0F29028</u> | Instrument: <u>DUALECD2F</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0F2307</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------------|---------------|-------------|--------------------|
| Calibration Check | 0F29028-CCV1 | ECD2F002.D | 06/29/20 07:21 |
| Calibration Blank | 0F29028-CCB1 | ECD2F003.D | 06/29/20 07:39 |
| Blank | 0060834-BLK1 | ECD2F004.D | 06/29/20 08:03 |
| LCS | 0060834-BS1 | ECD2F005.D | 06/29/20 08:20 |
| PDI-149SC-A-01-02-200425 | A0F0647-01 | ECD2F006.D | 06/29/20 08:38 |
| PDI-149SC-A-02-03-200425 | A0F0647-02 | ECD2F008.D | 06/29/20 09:13 |
| PDI-150SC-A-08-09-200425 | A0F0647-03 | ECD2F010.D | 06/29/20 09:48 |
| PDI-150SC-A-08-09-200425 (Dup) | 0060834-DUP1 | ECD2F012.D | 06/29/20 10:24 |
| Calibration Check | 0F29028-CCV2 | ECD2F016.D | 06/29/20 11:34 |
| Calibration Blank | 0F29028-CCB2 | ECD2F017.D | 06/29/20 11:52 |
| PDI-150SC-A-09-10-200425 | A0F0647-04 | ECD2F018.D | 06/29/20 12:10 |
| PDI-150SC-A-09-10-200425 (MS) | 0060834-MS1 | ECD2F020.D | 06/29/20 12:45 |
| Calibration Check | 0F29028-CCV3 | ECD2F032.D | 06/29/20 16:17 |
| Calibration Blank | 0F29028-CCB3 | ECD2F033.D | 06/29/20 16:34 |

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: A0F2307

Date: 06/23/20 16:00

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) | 124879.8 | Ave | 6.563321 | 9.678143 | 2.033475E-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 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F2307

Instrument: DUALECD2F

Calibration Date: 06/23/20 16:00

| 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 | 5733.55 | 50 | 5012.2 | 100 | 4887.59 | 200 | 4554.705 | 500 | 4623.424 | 1000 | 4290.376 |
| 1016 (2) | 20 | 10898.7 | 50 | 10058.98 | 100 | 9990.98 | 200 | 9990.135 | 500 | 9851.838 | 1000 | 10032.04 |
| 1016 (3) | 20 | 6112.15 | 50 | 5445.2 | 100 | 5460.54 | 200 | 5185.68 | 500 | 5198.56 | 1000 | 5140.921 |
| 1016 (4) | 20 | 4660.5 | 50 | 4149.28 | 100 | 4104.21 | 200 | 3799.27 | 500 | 3711.358 | 1000 | 3762.955 |
| 1016 (5) | 20 | 5868.9 | 50 | 5270.12 | 100 | 5070.36 | 200 | 5026.935 | 500 | 4873.496 | 1000 | 4825.909 |
| 1016 (6) | 20 | 4338.95 | 50 | 3926.86 | 100 | 3818.93 | 200 | 3497.435 | 500 | 3724.404 | 1000 | 3513.537 |
| Aroclor 1016 | 20 | θ | 50 | θ | 100 | θ | 200 | θ | 500 | θ | 1000 | θ |
| 1260 (1) | 20 | 10944.2 | 50 | 9885.5 | 100 | 9539.92 | 200 | 9080.21 | 500 | 9226.05 | 1000 | 9304.677 |
| 1260 (2) | 20 | 13224.7 | 50 | 11872.48 | 100 | 11225.79 | 200 | 11446.15 | 500 | 11822.25 | 1000 | 11589.69 |
| 1260 (3) | 20 | 10429.65 | 50 | 9370.16 | 100 | 9081.62 | 200 | 8739.385 | 500 | 8830.644 | 1000 | 9034.721 |
| 1260 (4) | 20 | 22943.55 | 50 | 21278.3 | 100 | 21069.67 | 200 | 20621.82 | 500 | 21889.36 | 1000 | 22155.59 |
| 1260 (5) | 20 | 15140 | 50 | 13911.26 | 100 | 13567.36 | 200 | 13955.29 | 500 | 14196.32 | 1000 | 14762.04 |
| 1260 (6) | 20 | 7038.5 | 50 | 6235.92 | 100 | 5794.94 | 200 | 5544.33 | 500 | 5691.962 | 1000 | 5556.964 |
| Aroclor 1260 | 20 | θ | 50 | θ | 100 | θ | 200 | θ | 500 | θ | 1000 | θ |
| Decachlorobiphenyl (Surr) | 10 | 122273.1 | 25 | 116048.4 | 50 | 117607.7 | 100 | 121800.9 | 250 | 125174.6 | 500 | 132103.7 |

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: A0F2307

Instrument: DUALECD2F

Matrix:

Calibration Date: 06/23/20 16:00

| 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 | 4431.631 | | | | | | | | | | |
| 1016 (2) | 1500 | 9813.373 | | | | | | | | | | |
| 1016 (3) | 1500 | 5156.79 | | | | | | | | | | |
| 1016 (4) | 1500 | 3777.565 | | | | | | | | | | |
| 1016 (5) | 1500 | 5045.39 | | | | | | | | | | |
| 1016 (6) | 1500 | 3651.675 | | | | | | | | | | |
| Aroclor 1016 | 1500 | ϕ | | | | | | | | | | |
| 1254 (1) | | | | | | | | | | | 500 | 7058.112 |
| 1254 (2) | | | | | | | | | | | 500 | 8536.344 |
| 1254 (3) | | | | | | | | | | | 500 | 13552.13 |
| 1254 (4) | | | | | | | | | | | 500 | 9258.188 |
| 1254 (5) | | | | | | | | | | | 500 | 9232.932 |
| 1254 (6) | | | | | | | | | | | 500 | 3003.77 |
| Aroclor 1254 | | | | | | | | | | | 500 | ϕ |
| 1260 (1) | 1500 | 9225.514 | | | | | | | | | | |
| 1260 (2) | 1500 | 11754.76 | | | | | | | | | | |
| 1260 (3) | 1500 | 9453.113 | | | | | | | | | | |
| 1260 (4) | 1500 | 23111.11 | | | | | | | | | | |
| 1260 (5) | 1500 | 14981.89 | | | | | | | | | | |
| 1260 (6) | 1500 | 5739.792 | | | | | | | | | | |
| Aroclor 1260 | 1500 | ϕ | | | | | | | | | | |
| Decachlorobiphenyl (Surr) | 800 | 139150.4 | | | 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: A0F2307

Instrument: DUALECD2F

Matrix:

Calibration Date: 06/23/20 16:00

| 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 | 9071.876 | | | | | | | | | | |
| 1262 (2) | 500 | 12737.07 | | | | | | | | | | |
| 1262 (3) | 500 | 11129.37 | | | | | | | | | | |
| 1262 (4) | 500 | 23893.82 | | | | | | | | | | |
| 1262 (5) | 500 | 14482.76 | | | | | | | | | | |
| 1262 (6) | 500 | 7636.054 | | | | | | | | | | |
| Aroclor 1262 | 500 | θ | | | | | | | | | | |
| Decachlorobiphenyl (Surr) | 200 | θ | 200 | θ | | | | | | | | |

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: A0F2307
Lab File ID: ECD2F018.D
Sequence: 0F22030 Inject Date: 06/22/20
Lab Sample ID: 0F22030-ICV1 Inject Time: 20:01

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1016 | 500 | 451 | -9.7 | 70 - 130 |
| Aroclor 1260 | 500 | 449 | -10.2 | 70 - 130 |
| Decachlorobiphenyl (Surr) | 200 | 217 | 8.3 | 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: A0F2307
Lab File ID: ECD2F026.D
Sequence: 0F22030 Inject Date: 06/22/20
Lab Sample ID: 0F22030-ICV2 Inject Time: 22:22

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1221 | 1000 | 960 | -4.0 | 70 - 130 |
| Aroclor 1254 | 500 | 513 | 2.6 | 70 - 130 |
| Decachlorobiphenyl (Surr) | 80.0 | 86.7 | 8.4 | 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: A0F2307
Lab File ID: ECD2F027.D
Sequence: 0F22030 Inject Date: 06/22/20
Lab Sample ID: 0F22030-ICV3 Inject Time: 22:40

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1232 | 500 | 516 | 3.1 | 70 - 130 |
| Aroclor 1262 | 500 | 472 | -5.6 | 70 - 130 |
| Decachlorobiphenyl (Surr) | 80.0 | 85.3 | 6.6 | 70 - 130 |

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2F Calibration: A0F2307
Lab File ID: ECD2F028.D
Sequence: 0F22030 Inject Date: 06/22/20
Lab Sample ID: 0F22030-ICV4 Inject Time: 22:58

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|--------------|---------------------|------------------|---------|----------|
| Aroclor 1242 | 500 | 521 | 4.2 | 70 - 130 |
| Aroclor 1268 | 500 | 506 | 1.3 | 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: A0F2307
Lab File ID: ECD2F029.D
Sequence: 0F22030 Inject Date: 06/22/20
Lab Sample ID: 0F22030-ICV5 Inject Time: 23:15

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|--------------|---------------------|------------------|---------|----------|
| Aroclor 1248 | 500 | 512 | 2.5 | 70 - 130 |

CONTINUING CALIBRATION CHECK

EPA 8082A

| | |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u> |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Instrument ID: <u>DUALECD2F</u> | Calibration: <u>A0F2307</u> |
| Lab File ID: <u>ECD2F002.D</u> | Calibration Date: <u>06/23/20 16:00</u> |
| Sequence: <u>0F29028</u> | Injection Date: <u>06/29/20</u> |
| Lab Sample ID: <u>0F29028-CCV1</u> | Injection Time: <u>07:21</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 | 475 | | | | -4.9 | 20 |
| Aroclor 1260 | Ave | 500 | 494 | | | | -1.3 | 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>DUALECD2F</u> | Calibration: <u>A0F2307</u> |
| Lab File ID: <u>ECD2F016.D</u> | Calibration Date: <u>06/23/20 16:00</u> |
| Sequence: <u>0F29028</u> | Injection Date: <u>06/29/20</u> |
| Lab Sample ID: <u>0F29028-CCV2</u> | Injection Time: <u>11:34</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 | 462 | | | | -7.5 | 20 |
| Aroclor 1260 | Ave | 500 | 470 | | | | -6.0 | 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>A0F2307</u> |
| Lab File ID: <u>ECD2F032.D</u> | Calibration Date: <u>06/23/20 16:00</u> |
| Sequence: <u>0F29028</u> | Injection Date: <u>06/29/20</u> |
| Lab Sample ID: <u>0F29028-CCV3</u> | Injection Time: <u>16:17</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 | 496 | | | | -0.8 | 20 |
| Aroclor 1260 | Ave | 500 | 492 | | | | -1.6 | 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>0F22030</u> | Instrument: <u>DUALECD2F</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0F2307</u> |

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|----------------------|------------|-------------------------|-------|--------------------------|---------|---------------|---|
| Initial Cal Check (0F22030-ICV1) | | | Lab File ID: ECD2F018.D | | Analyzed: 06/22/20 20:01 | | | |
| Decachlorobiphenyl (Surr) | 200 | 108 | 70 - 130 | 9.677 | 9.678143 | -0.0011 | +/-1.0 | |
| Initial Cal Check (0F22030-ICV2) | | | Lab File ID: ECD2F026.D | | Analyzed: 06/22/20 22:22 | | | |
| Decachlorobiphenyl (Surr) | 80.0 | 108 | 70 - 130 | 9.678 | 9.678143 | -0.0001 | +/-1.0 | |
| Initial Cal Check (0F22030-ICV3) | | | Lab File ID: ECD2F027.D | | Analyzed: 06/22/20 22:40 | | | |
| Decachlorobiphenyl (Surr) | 80.0 | 107 | 70 - 130 | 9.679 | 9.678143 | 0.0009 | +/-1.0 | |

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

| | |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u> |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Sequence: <u>0F29028</u> | Instrument: <u>DUALECD2F</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0F2307</u> |

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|--|----------------------|------------|-------------------------|-------|--------------------------|---------|---------------|---|
| Calibration Check (0F29028-CCV1) | | | Lab File ID: ECD2F002.D | | Analyzed: 06/29/20 07:21 | | | |
| Decachlorobiphenyl (Surr) | 250 | 116 | 80 - 120 | 9.679 | 9.678143 | 0.0009 | +/-1.0 | |
| Calibration Blank (0F29028-CCB1) | | | Lab File ID: ECD2F003.D | | Analyzed: 06/29/20 07:39 | | | |
| Decachlorobiphenyl (Surr) | 100 | 105 | 43 - 120 | 9.679 | 9.678143 | 0.0009 | +/-1.0 | |
| Blank (0060834-BLK1) | | | Lab File ID: ECD2F004.D | | Analyzed: 06/29/20 08:03 | | | |
| Decachlorobiphenyl (Surr) | 16.1 | 102 | 43 - 120 | 9.683 | 9.678143 | 0.0049 | +/-1.0 | |
| LCS (0060834-BS1) | | | Lab File ID: ECD2F005.D | | Analyzed: 06/29/20 08:20 | | | |
| Decachlorobiphenyl (Surr) | 16.7 | 106 | 43 - 120 | 9.68 | 9.678143 | 0.0019 | +/-1.0 | |
| PDI-149SC-A-01-02-200425 (A0F0647-01) | | | Lab File ID: ECD2F006.D | | Analyzed: 06/29/20 08:38 | | | |
| Decachlorobiphenyl (Surr) | 20.5 | 56 | 43 - 120 | 9.68 | 9.678143 | 0.0019 | +/-1.0 | |
| PDI-149SC-A-02-03-200425 (A0F0647-02) | | | Lab File ID: ECD2F008.D | | Analyzed: 06/29/20 09:13 | | | |
| Decachlorobiphenyl (Surr) | 19.0 | 65 | 43 - 120 | 9.679 | 9.678143 | 0.0009 | +/-1.0 | |
| PDI-150SC-A-08-09-200425 (A0F0647-03) | | | Lab File ID: ECD2F010.D | | Analyzed: 06/29/20 09:48 | | | |
| Decachlorobiphenyl (Surr) | 19.9 | 97 | 43 - 120 | 9.679 | 9.678143 | 0.0009 | +/-1.0 | |
| Duplicate (0060834-DUPI) | | | Lab File ID: ECD2F012.D | | Analyzed: 06/29/20 10:24 | | | |
| Decachlorobiphenyl (Surr) | 19.9 | 102 | 43 - 120 | 9.679 | 9.678143 | 0.0009 | +/-1.0 | |
| Calibration Check (0F29028-CCV2) | | | Lab File ID: ECD2F016.D | | Analyzed: 06/29/20 11:34 | | | |
| Decachlorobiphenyl (Surr) | 250 | 111 | 80 - 120 | 9.678 | 9.678143 | -0.0001 | +/-1.0 | |
| Calibration Blank (0F29028-CCB2) | | | Lab File ID: ECD2F017.D | | Analyzed: 06/29/20 11:52 | | | |
| Decachlorobiphenyl (Surr) | 100 | 105 | 43 - 120 | 9.678 | 9.678143 | -0.0001 | +/-1.0 | |
| PDI-150SC-A-09-10-200425 (A0F0647-04) | | | Lab File ID: ECD2F018.D | | Analyzed: 06/29/20 12:10 | | | |
| Decachlorobiphenyl (Surr) | 19.0 | 92 | 43 - 120 | 9.678 | 9.678143 | -0.0001 | +/-1.0 | |
| Matrix Spike (0060834-MS1) | | | Lab File ID: ECD2F020.D | | Analyzed: 06/29/20 12:45 | | | |
| Decachlorobiphenyl (Surr) | 19.0 | 101 | 43 - 120 | 9.677 | 9.678143 | -0.0011 | +/-1.0 | |
| Calibration Check (0F29028-CCV3) | | | Lab File ID: ECD2F032.D | | Analyzed: 06/29/20 16:17 | | | |
| Decachlorobiphenyl (Surr) | 250 | 126 | 80 - 120 | 9.679 | 9.678143 | 0.0009 | +/-1.0 | * |
| Calibration Blank (0F29028-CCB3) | | | Lab File ID: ECD2F033.D | | Analyzed: 06/29/20 16:34 | | | |
| Decachlorobiphenyl (Surr) | 100 | 114 | 43 - 120 | 9.678 | 9.678143 | -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-149SC-A-01-02-200425 | 04/25/20 13:06 | 04/27/20 14:40 | 06/25/20 11:09 | 60.92 | 365.00 | 06/29/20 08:38 | 3.90 | 40.00 | |
| PDI-149SC-A-02-03-200425 | 04/25/20 13:06 | 04/27/20 14:40 | 06/25/20 11:09 | 60.92 | 365.00 | 06/29/20 09:13 | 3.92 | 40.00 | |
| PDI-150SC-A-08-09-200425 | 04/25/20 11:01 | 04/27/20 14:40 | 06/25/20 11:09 | 61.01 | 365.00 | 06/29/20 09:48 | 3.94 | 40.00 | |
| PDI-150SC-A-09-10-200425 | 04/25/20 11:01 | 04/27/20 14:40 | 06/25/20 11:09 | 61.01 | 365.00 | 06/29/20 12:10 | 4.04 | 40.00 | |

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GC

METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

| Client Sample Id: | Lab Sample Id: | Matrix |
|---------------------------------|-----------------------|---------------|
| <u>PDI-149SC-A-01-02-200425</u> | <u>A0F0647-01</u> | <u>SE</u> |
| <u>PDI-149SC-A-02-03-200425</u> | <u>A0F0647-02</u> | <u>SE</u> |
| <u>PDI-150SC-A-08-09-200425</u> | <u>A0F0647-03</u> | <u>SE</u> |
| <u>PDI-150SC-A-09-10-200425</u> | <u>A0F0647-04</u> | <u>SE</u> |

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

7/21/2020 3:57PM

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 [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 [2C] | 0.500 | 1.00 | ug/kg |
| 4,4'-DDD | 0.500 | 1.00 | ug/kg |
| 4,4'-DDD [2C] | 0.500 | 1.00 | ug/kg |
| 4,4'-DDE | 0.500 | 1.00 | ug/kg |
| 4,4'-DDE [2C] | 0.500 | 1.00 | ug/kg |
| 4,4'-DDT [2C] | 0.500 | 1.00 | ug/kg |

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

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-149SC-A-01-02-200425

| | | |
|--------------------------------------|--|--------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-01RE3</u> | File ID: <u>ECD8-07092019.D</u> |
| Sampled: <u>04/25/20 13:06</u> | Prepared: <u>07/07/20 12:49</u> | Analyzed: <u>07/09/20 16:41</u> |
| Solids: <u>80.91</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.1 g / 10 mL</u> |
| Batch: <u>0070206</u> | Sequence: <u>0G09046</u> | Calibration: <u>A0F0804</u> |
| | | Instrument: <u>DUALECD8</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD [2C] | 2 | 8.81 | U |
| 3424-82-6 | 2,4'-DDE | 2 | 2.45 | U |
| 789-02-6 | 2,4'-DDT [2C] | 2 | 5.87 | U |
| 72-54-8 | 4,4'-DDD | 2 | 17.8 | D |
| 72-55-9 | 4,4'-DDE | 2 | 2.45 | U |
| 50-29-3 | 4,4'-DDT [2C] | 2 | 10.0 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 61.2 | 55.3 | 90 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 61.2 | 79.2 | 129 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-149SC-A-02-03-200425

| | | |
|--------------------------------------|--|---------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-02RE3</u> | File ID: <u>ECD8-07092023.D</u> |
| Sampled: <u>04/25/20 13:06</u> | Prepared: <u>07/07/20 12:49</u> | Analyzed: <u>07/09/20 17:55</u> |
| Solids: <u>87.38</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.02 g / 10 mL</u> |
| Batch: <u>0070206</u> | Sequence: <u>0G09046</u> | Calibration: <u>A0F0804</u> |
| | | Instrument: <u>DUALECD8</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|----|
| 53-19-0 | 2,4'-DDD [2C] | 2 | 2.28 | U |
| 3424-82-6 | 2,4'-DDE [2C] | 2 | 2.28 | U |
| 789-02-6 | 2,4'-DDT [2C] | 2 | 2.28 | U |
| 72-54-8 | 4,4'-DDD [2C] | 2 | 3.06 | JD |
| 72-55-9 | 4,4'-DDE [2C] | 2 | 2.28 | U |
| 50-29-3 | 4,4'-DDT [2C] | 2 | 4.57 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 57.1 | 43.7 | 77 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 57.1 | 69.9 | 122 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-150SC-A-08-09-200425

| | | |
|--------------------------------------|--|---------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-03RE3</u> | File ID: <u>ECD8-07092009.D</u> |
| Sampled: <u>04/25/20 11:01</u> | Prepared: <u>07/07/20 12:49</u> | Analyzed: <u>07/09/20 13:49</u> |
| Solids: <u>82.61</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.35 g / 10 mL</u> |
| Batch: <u>0070206</u> | Sequence: <u>0G09046</u> | Calibration: <u>A0F0804</u> |
| | | Instrument: <u>DUALECD8</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD [2C] | 1 | 1.17 | U |
| 3424-82-6 | 2,4'-DDE [2C] | 1 | 1.17 | U |
| 789-02-6 | 2,4'-DDT [2C] | 1 | 1.17 | U |
| 72-54-8 | 4,4'-DDD [2C] | 1 | 1.17 | U |
| 72-55-9 | 4,4'-DDE [2C] | 1 | 1.17 | U |
| 50-29-3 | 4,4'-DDT [2C] | 1 | 1.17 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 58.5 | 30.7 | 52 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 58.5 | 52.2 | 89 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-150SC-A-09-10-200425

| | | |
|--------------------------------------|--|--------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-04RE3</u> | File ID: <u>ECD8-07092010.D</u> |
| Sampled: <u>04/25/20 11:01</u> | Prepared: <u>07/07/20 12:49</u> | Analyzed: <u>07/09/20 14:05</u> |
| Solids: <u>87.42</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.4 g / 10 mL</u> |
| Batch: <u>0070206</u> | Sequence: <u>0G09046</u> | Calibration: <u>A0F0804</u> |
| | | Instrument: <u>DUALECD8</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD [2C] | 1 | 1.10 | U |
| 3424-82-6 | 2,4'-DDE [2C] | 1 | 1.10 | U |
| 789-02-6 | 2,4'-DDT [2C] | 1 | 1.10 | U |
| 72-54-8 | 4,4'-DDD [2C] | 1 | 1.10 | U |
| 72-55-9 | 4,4'-DDE [2C] | 1 | 1.10 | U |
| 50-29-3 | 4,4'-DDT [2C] | 1 | 1.10 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 55.0 | 31.8 | 58 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 55.0 | 50.4 | 92 | 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: 0070206

Batch Matrix: Sediment

Preparation: EPA 3546/3640A (GPC)

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------------|---------------|-----------------|----------------|--------------|
| Blank | 0070206-BLK1 | ECD8-07092007.D | 07/07/20 12:49 | |
| LCS | 0070206-BS1 | ECD8-07092008.D | 07/07/20 12:49 | |
| PDI-149SC-A-01-02-200425 (Dup) | 0070206-DUP1 | ECD8-07092021.D | 07/07/20 12:49 | |
| PDI-149SC-A-01-02-200425 | A0F0647-01RE3 | ECD8-07092019.D | 07/07/20 12:49 | |
| PDI-149SC-A-02-03-200425 | A0F0647-02RE3 | ECD8-07092023.D | 07/07/20 12:49 | |
| PDI-150SC-A-08-09-200425 | A0F0647-03RE3 | ECD8-07092009.D | 07/07/20 12:49 | |
| PDI-150SC-A-09-10-200425 | A0F0647-04RE3 | ECD8-07092010.D | 07/07/20 12:49 | |

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

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

METHOD BLANK DATA SHEET

EPA 8081B

| | | |
|--------------------------------------|---|------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u> | |
| Matrix: <u>Sediment</u> | Laboratory ID: <u>0070206-BLK1</u> | File ID: <u>ECD8-07092007.D</u> |
| Prepared: <u>07/07/20 12:49</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>11 g / 10 mL</u> |
| Analyzed: <u>07/09/20 13:15</u> | Instrument: <u>DUALECD8</u> | |
| Batch: <u>0070206</u> | Sequence: <u>0G09046</u> | Calibration: <u>A0F0804</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 | 31.5 | 69 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 45.5 | 47.0 | 103 | 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: 0070206

Laboratory ID: 0070206-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 | 49.2 | 98 | 50 - 150 |
| 2,4'-DDE [2C] | 50.0 | 48.1 | 96 | 50 - 150 |
| 2,4'-DDT [2C] | 50.0 | 57.2 | 114 | 50 - 150 |
| 4,4'-DDD [2C] | 50.0 | 50.4 | 101 | 50 - 150 |
| 4,4'-DDE [2C] | 50.0 | 49.6 | 99 | 50 - 150 |
| 4,4'-DDT [2C] | 50.0 | 54.1 | 108 | 50 - 150 |

* = Values outside of QC limits

DUPLICATES

PDI-149SC-A-01-02-200425

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: 0070206-DUP1

Batch: 0070206

Lab Source ID: A0F0647-01RE3

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10.15 g / 10 mL

Source Sample Name: PDI-149SC-A-01-02-200425

% Solids: 80.91

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (ug/kg dry) | C | DUPLICATE CONCENTRATION (ug/kg dry) | C | RPD % | Q | METHOD |
|---------------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|-----------|
| 2,4'-DDD [2C] | 30 | 8.59 | | ND | | | | EPA 8081B |
| 2,4'-DDE | 30 | 2.06 | | ND | | | | EPA 8081B |
| 2,4'-DDT [2C] | 30 | 5.70 | | ND | | | | EPA 8081B |
| 4,4'-DDD | 30 | 17.8 | | 17.2 | | 4 | | EPA 8081B |
| 4,4'-DDE | 30 | 2.42 | | ND | | | | EPA 8081B |
| 4,4'-DDT [2C] | 30 | 9.96 | | ND | | | | EPA 8081B |

* Values outside of QC limits

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: 0F06008

Instrument: DUALECD8

Matrix: Sediment

Calibration: A0F0804

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-----------------|--------------------|
| Initial Cal Blank | 0F06008-ICB1 | ECD8-06062004.D | 06/06/20 15:34 |
| Cal Standard | 0F06008-CAL1 | ECD8-06062005.D | 06/06/20 15:51 |
| Cal Standard | 0F06008-CAL2 | ECD8-06062006.D | 06/06/20 16:07 |
| Cal Standard | 0F06008-CAL3 | ECD8-06062007.D | 06/06/20 16:24 |
| Cal Standard | 0F06008-CAL4 | ECD8-06062008.D | 06/06/20 16:40 |
| Cal Standard | 0F06008-CAL5 | ECD8-06062009.D | 06/06/20 16:57 |
| Cal Standard | 0F06008-CAL6 | ECD8-06062010.D | 06/06/20 17:13 |
| Cal Standard | 0F06008-CAL7 | ECD8-06062011.D | 06/06/20 17:30 |
| Cal Standard | 0F06008-CAL8 | ECD8-06062012.D | 06/06/20 17:46 |
| Cal Standard | 0F06008-CAL9 | ECD8-06062013.D | 06/06/20 18:03 |
| Initial Cal Check | 0F06008-ICV1 | ECD8-06062015.D | 06/06/20 18:36 |
| Cal Standard | 0F06008-CALA | ECD8-06062016.D | 06/06/20 18:52 |
| Cal Standard | 0F06008-CALB | ECD8-06062017.D | 06/06/20 19:09 |
| Cal Standard | 0F06008-CALC | ECD8-06062018.D | 06/06/20 19:25 |
| Cal Standard | 0F06008-CALD | ECD8-06062019.D | 06/06/20 19:42 |
| Cal Standard | 0F06008-CALE | ECD8-06062020.D | 06/06/20 19:58 |
| Cal Standard | 0F06008-CALF | ECD8-06062021.D | 06/06/20 20:15 |
| Cal Standard | 0F06008-CALG | ECD8-06062022.D | 06/06/20 20:31 |
| Cal Standard | 0F06008-CALH | ECD8-06062023.D | 06/06/20 20:48 |
| Cal Standard | 0F06008-CALI | ECD8-06062024.D | 06/06/20 21:04 |
| Initial Cal Check | 0F06008-ICV2 | ECD8-06062026.D | 06/06/20 21:38 |

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: 0G09046

Instrument: DUALECD8

Matrix: Sediment

Calibration: A0F0804

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------------|---------------|-----------------|--------------------|
| Calibration Check | 0G09046-CCV1 | ECD8-07092004.D | 07/09/20 12:26 |
| Calibration Check | 0G09046-CCV2 | ECD8-07092005.D | 07/09/20 12:42 |
| Calibration Blank | 0G09046-CCB1 | ECD8-07092006.D | 07/09/20 12:59 |
| Blank | 0070206-BLK1 | ECD8-07092007.D | 07/09/20 13:15 |
| LCS | 0070206-BS1 | ECD8-07092008.D | 07/09/20 13:32 |
| PDI-150SC-A-08-09-200425 | A0F0647-03RE3 | ECD8-07092009.D | 07/09/20 13:49 |
| PDI-150SC-A-09-10-200425 | A0F0647-04RE3 | ECD8-07092010.D | 07/09/20 14:05 |
| Calibration Check | 0G09046-CCV3 | ECD8-07092016.D | 07/09/20 15:52 |
| Calibration Check | 0G09046-CCV4 | ECD8-07092017.D | 07/09/20 16:08 |
| Calibration Blank | 0G09046-CCB2 | ECD8-07092018.D | 07/09/20 16:25 |
| PDI-149SC-A-01-02-200425 | A0F0647-01RE3 | ECD8-07092019.D | 07/09/20 16:41 |
| PDI-149SC-A-01-02-200425 (Dup) | 0070206-DUP1 | ECD8-07092021.D | 07/09/20 17:18 |
| PDI-149SC-A-02-03-200425 | A0F0647-02RE3 | ECD8-07092023.D | 07/09/20 17:55 |
| Calibration Check | 0G09046-CCV5 | ECD8-07092031.D | 07/09/20 20:23 |
| Calibration Check | 0G09046-CCV6 | ECD8-07092032.D | 07/09/20 20:39 |
| Calibration Blank | 0G09046-CCB3 | ECD8-07092033.D | 07/09/20 20:56 |

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

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

INITIAL CALIBRATION DATA (Summary)

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F0804

Date: 06/08/20 11:32

Instrument: DUALECD8

| Compound | Mean RF | FIT | RF RSD | Mean RT | RT RSD | Linear r | Quad COD | LIMIT | Q |
|--------------------------------|---------|-----|----------|----------|--------------|----------|----------|-------|---|
| 2,4'-DDD [2C] | 2078342 | Ave | 9.813481 | 8.358222 | 1.938592E-02 | | | 20 | |
| 2,4'-DDE | 2393332 | Ave | 10.29904 | 7.214778 | 1.286293E-02 | | | 20 | |
| 2,4'-DDT | 2034350 | XXX | 10.87389 | 7.768778 | 1.030623E-02 | | | | |
| 4,4'-DDD | 2853244 | Ave | 9.103462 | 7.886 | 1.424052E-02 | | | 20 | |
| 4,4'-DDE | 3665109 | Ave | 6.565103 | 7.465222 | 1.525116E-02 | | | 20 | |
| 4,4'-DDT | 2433669 | XXX | 12.61083 | 8.083555 | 1.364197E-02 | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 3550081 | Ave | 10.18364 | 5.847222 | 2.250635E-02 | | | 20 | |
| Decachlorobiphenyl (Surr) [2C] | 2559219 | XXX | 10.87433 | 10.39611 | 9.207504E-03 | | | | |

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

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F0804

Instrument: DUALECD8

Calibration Date: 06/08/20 11:32

| 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 | 2757348 | 1 | 2642114 | 2 | 2521979 | 5 | 2702634 | 10 | 2731552 | 25 | 2827186 |
| 4,4'-DDD [2C] | 0.5 | 2866930 | 1 | 2582156 | 2 | 2394549 | 5 | 2508180 | 10 | 2661394 | 25 | 2887020 |
| 4,4'-DDE | 0.5 | 3663016 | 1 | 3469480 | 2 | 3362467 | 5 | 3461446 | 10 | 3570272 | 25 | 3621114 |
| 4,4'-DDE [2C] | 0.5 | 3426592 | 1 | 3125539 | 2 | 3020023 | 5 | 3224212 | 10 | 3333731 | 25 | 3631193 |
| 4,4'-DDT | 0.5 | 2353994 | 1 | 2125504 | 2 | 2090029 | 5 | 2124326 | 10 | 2317338 | 25 | 2517565 |
| 4,4'-DDT [2C] | 0.5 | 2794842 | 1 | 2507300 | 2 | 2260461 | 5 | 2328064 | 10 | 2530836 | 25 | 2808878 |
| 2,4,5,6-TCMX (Surr) | 0.5 | 4089642 | 1 | 3739252 | 2 | 3472697 | 5 | 3499046 | 10 | 3498695 | 25 | 3469148 |
| 2,4,5,6-TCMX (Surr) [2C] | 0.5 | 4082272 | 1 | 3664569 | 2 | 3136486 | 5 | 3184258 | 10 | 3187282 | 25 | 3311380 |
| Decachlorobiphenyl (Surr) | 0.5 | 4026062 | 1 | 3476866 | 2 | 3037392 | 5 | 2959616 | 10 | 2895476 | 25 | 2801752 |
| Decachlorobiphenyl (Surr) [2C] | 0.5 | 3200308 | 1 | 2732738 | 2 | 2449024 | 5 | 2357554 | 10 | 2313262 | 25 | 2357526 |

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: A0F0804

Instrument: DUALECD8

Matrix:

Calibration Date: 06/08/20 11:32

| 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 | 2566900 | 1 | 2380316 | 2 | 1957396 |
| 2,4'-DDD [2C] | | | | | | | 0.5 | 2371182 | 1 | 2357973 | 2 | 2009913 |
| 2,4'-DDE | | | | | | | 0.5 | 2901294 | 1 | 2683204 | 2 | 2294640 |
| 2,4'-DDE [2C] | | | | | | | 0.5 | 3188636 | 1 | 2644092 | 2 | 2182006 |
| 2,4'-DDT | | | | | | | 0.5 | 2435182 | 1 | 2237919 | 2 | 1839690 |
| 2,4'-DDT [2C] | | | | | | | 0.5 | 2482606 | 1 | 2243898 | 2 | 1842025 |
| 4,4'-DDD | 50 | 3019128 | 100 | 3156475 | 200 | 3320779 | | | | | | |
| 4,4'-DDD [2C] | 50 | 3122724 | 100 | 3345143 | 200 | 3515599 | | | | | | |
| 4,4'-DDE | 50 | 3803446 | 100 | 3934936 | 200 | 4099802 | | | | | | |
| 4,4'-DDE [2C] | 50 | 3817752 | 100 | 4054416 | 200 | 4306354 | | | | | | |
| 4,4'-DDT | 50 | 2665592 | 100 | 2783095 | 200 | 2925580 | | | | | | |
| 4,4'-DDT [2C] | 50 | 2949806 | 100 | 3241420 | 200 | 3358139 | | | | | | |
| 2,4,5,6-TCMX (Surr) | 50 | 3581006 | 100 | 3722180 | 200 | 3753037 | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 50 | 3576598 | 100 | 3855692 | 200 | 3952190 | | | | | | |
| Decachlorobiphenyl (Surr) | 50 | 2937072 | 100 | 2919637 | 200 | 2919577 | | | | | | |
| Decachlorobiphenyl (Surr) [2C] | 50 | 2422998 | 100 | 2563313 | 200 | 2636253 | | | | | | |

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: A0F0804

Instrument: DUALECD8

Matrix:

Calibration Date: 06/08/20 11:32

| 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 | 1876546 | 10 | 1873191 | 25 | 1993031 | 50 | 1950309 | 100 | 2040582 | 200 | 2142023 |
| 2,4'-DDD [2C] | 5 | 1827707 | 10 | 1831917 | 25 | 2017629 | 50 | 1968646 | 100 | 2084093 | 200 | 2236023 |
| 2,4'-DDE | 5 | 2128830 | 10 | 2208360 | 25 | 2331620 | 50 | 2255606 | 100 | 2313200 | 200 | 2423235 |
| 2,4'-DDE [2C] | 5 | 2136300 | 10 | 2130357 | 25 | 2348987 | 50 | 2314482 | 100 | 2474069 | 200 | 2617926 |
| 2,4'-DDT | 5 | 1755492 | 10 | 1803541 | 25 | 2012853 | 50 | 1983064 | 100 | 2085776 | 200 | 2155637 |
| 2,4'-DDT [2C] | 5 | 1790352 | 10 | 1883359 | 25 | 2087940 | 50 | 2079264 | 100 | 2309369 | 200 | 2477470 |

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

| | | |
|--------------------------------------|---|--|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP</u> | |
| Instrument ID: <u>DUALECD8</u> | Calibration: <u>A0F0804</u> | |
| Lab File ID: <u>ECD8-06062015.D</u> | | |
| Sequence: <u>0F06008</u> | Inject Date: <u>06/06/20</u> | |
| Lab Sample ID: <u>0F06008-ICV1</u> | Inject Time: <u>18:36</u> | |

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|--------------------------------|---------------------|------------------|---------|----------|
| 4,4'-DDD | 50.0 | 50.4 | 0.8 | 70 - 130 |
| 4,4'-DDD [2C] | 50.0 | 51.6 | 3.2 | 70 - 130 |
| 4,4'-DDE | 50.0 | 49.6 | -0.8 | 70 - 130 |
| 4,4'-DDE [2C] | 50.0 | 49.8 | -0.3 | 70 - 130 |
| 4,4'-DDT | 50.0 | 52.1 | 4.2 | 70 - 130 |
| 4,4'-DDT [2C] | 50.0 | 51.3 | 2.5 | 70 - 130 |
| 2,4,5,6-TCMX (Surr) | 50.0 | 48.7 | -2.5 | 70 - 130 |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 49.3 | -1.4 | 70 - 130 |
| Decachlorobiphenyl (Surr) | 50.0 | 49.5 | -1.0 | 70 - 130 |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 48.9 | -2.3 | 70 - 130 |

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD8 Calibration: A0F0804
Lab File ID: ECD8-06062026.D
Sequence: 0F06008 Inject Date: 06/06/20
Lab Sample ID: 0F06008-ICV2 Inject Time: 21:38

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|---------------|---------------------|------------------|---------|----------|
| 2,4'-DDD | 50.0 | 52.6 | 5.2 | 70 - 130 |
| 2,4'-DDD [2C] | 50.0 | 51.1 | 2.3 | 70 - 130 |
| 2,4'-DDE | 50.0 | 49.8 | -0.3 | 70 - 130 |
| 2,4'-DDE [2C] | 50.0 | 53.5 | 7.0 | 70 - 130 |
| 2,4'-DDT | 50.0 | 56.8 | 13.5 | 70 - 130 |
| 2,4'-DDT [2C] | 50.0 | 57.6 | 15.3 | 70 - 130 |

CONTINUING CALIBRATION CHECK

EPA 8081B

| | |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u> |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Instrument ID: <u>DUALECD8</u> | Calibration: <u>A0F0804</u> |
| Lab File ID: <u>ECD8-07092004.D</u> | Calibration Date: <u>06/08/20 11:32</u> |
| Sequence: <u>0G09046</u> | Injection Date: <u>07/09/20</u> |
| Lab Sample ID: <u>0G09046-CCV1</u> | Injection Time: <u>12:26</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 | 47.0 | | 2853244 | 2683854 | -5.9 | 20 |
| 4,4'-DDD [2C] | XXX | 50.0 | 45.3 | -9.4 | | | | 20 |
| 4,4'-DDE | Ave | 50.0 | 49.9 | | 3665109 | 3656488 | -0.2 | 20 |
| 4,4'-DDE [2C] | XXX | 50.0 | 48.0 | -4.0 | | | | 20 |
| 4,4'-DDT | XXX | 50.0 | 46.4 | -7.3 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 50.0 | 43.4 | -13.1 | | | | 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>DUALECD8</u> | Calibration: <u>A0F0804</u> |
| Lab File ID: <u>ECD8-07092005.D</u> | Calibration Date: <u>06/08/20 11:32</u> |
| Sequence: <u>0G09046</u> | Injection Date: <u>07/09/20</u> |
| Lab Sample ID: <u>0G09046-CCV2</u> | Injection Time: <u>12:42</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 | XXX | 50.0 | 43.2 | -13.7 | | | | 20 |
| 2,4'-DDD [2C] | Ave | 50.0 | 40.4 | | 2078342 | 1678601 | -19.2 | 20 |
| 2,4'-DDE | Ave | 50.0 | 41.5 | | 2393332 | 1987239 | -17.0 | 20 |
| 2,4'-DDE [2C] | XXX | 50.0 | 42.7 | -14.6 | | | | 20 |
| 2,4'-DDT | XXX | 50.0 | 43.6 | -12.8 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 50.0 | 44.6 | -10.9 | | | | 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>DUALECD8</u> | Calibration: <u>A0F0804</u> |
| Lab File ID: <u>ECD8-07092016.D</u> | Calibration Date: <u>06/08/20 11:32</u> |
| Sequence: <u>0G09046</u> | Injection Date: <u>07/09/20</u> |
| Lab Sample ID: <u>0G09046-CCV3</u> | Injection Time: <u>15:52</u> |

| COMPOUND | Curve Fit | Calculated Concentration (ng/mL) [L/Q Fits] | | | Response Factors [Ave RF] | | | Limit |
|---------------|-----------|---|------|--------|---------------------------|---------|---------|-------|
| | | STD | CCV | % DIFF | ICAL | CCV | % Drift | |
| 4,4'-DDD | Ave | 100 | 102 | | 2853244 | 2924169 | 2.5 | 20 |
| 4,4'-DDD [2C] | XXX | 100 | 92.5 | -7.5 | | | | 20 |
| 4,4'-DDE | Ave | 100 | 96.1 | | 3665109 | 3522009 | -3.9 | 20 |
| 4,4'-DDE [2C] | XXX | 100 | 91.7 | -8.3 | | | | 20 |
| 4,4'-DDT | XXX | 100 | 106 | 6.0 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 100 | 94.7 | -5.3 | | | | 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>DUALECD8</u> | Calibration: <u>A0F0804</u> |
| Lab File ID: <u>ECD8-07092017.D</u> | Calibration Date: <u>06/08/20 11:32</u> |
| Sequence: <u>0G09046</u> | Injection Date: <u>07/09/20</u> |
| Lab Sample ID: <u>0G09046-CCV4</u> | Injection Time: <u>16:08</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 | XXX | 100 | 87.3 | -12.7 | | | | 20 |
| 2,4'-DDD [2C] | Ave | 100 | 87.3 | | 2078342 | 1814207 | -12.7 | 20 |
| 2,4'-DDE | Ave | 100 | 91.8 | | 2393332 | 2196643 | -8.2 | 20 |
| 2,4'-DDE [2C] | XXX | 100 | 92.7 | -7.3 | | | | 20 |
| 2,4'-DDT | XXX | 100 | 99.2 | -0.8 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 100 | 90.2 | -9.8 | | | | 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: DUALECD8

Calibration: A0F0804

Lab File ID: ECD8-07092031.D

Calibration Date: 06/08/20 11:32

Sequence: 0G09046

Injection Date: 07/09/20

Lab Sample ID: 0G09046-CCV5

Injection Time: 20:23

| COMPOUND | Curve Fit | Calculated Concentration (ng/mL) [L/Q Fits] | | | Response Factors [Ave RF] | | | Limit |
|---------------|-----------|---|------|--------|---------------------------|---------|---------|-------|
| | | STD | CCV | % DIFF | ICAL | CCV | % Drift | |
| 4,4'-DDD | Ave | 50.0 | 43.9 | | 2853244 | 2502734 | -12.3 | 20 |
| 4,4'-DDD [2C] | XXX | 50.0 | 45.2 | -9.6 | | | | 20 |
| 4,4'-DDE | Ave | 50.0 | 43.3 | | 3665109 | 3173248 | -13.4 | 20 |
| 4,4'-DDE [2C] | XXX | 50.0 | 43.8 | -12.3 | | | | 20 |
| 4,4'-DDT | XXX | 50.0 | 52.9 | 5.8 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 50.0 | 47.2 | -5.7 | | | | 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>DUALECD8</u> | Calibration: <u>A0F0804</u> |
| Lab File ID: <u>ECD8-07092032.D</u> | Calibration Date: <u>06/08/20 11:32</u> |
| Sequence: <u>0G09046</u> | Injection Date: <u>07/09/20</u> |
| Lab Sample ID: <u>0G09046-CCV6</u> | Injection Time: <u>20:39</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 | XXX | 50.0 | 44.1 | -11.8 | | | | 20 |
| 2,4'-DDD [2C] | Ave | 50.0 | 41.7 | | 2078342 | 1732064 | -16.7 | 20 |
| 2,4'-DDE | Ave | 50.0 | 41.7 | | 2393332 | 1994214 | -16.7 | 20 |
| 2,4'-DDE [2C] | XXX | 50.0 | 44.6 | -10.8 | | | | 20 |
| 2,4'-DDT | XXX | 50.0 | 52.4 | 4.9 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 50.0 | 48.9 | -2.2 | | | | 20 |

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 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>0F06008</u> | Instrument: <u>DUALECD8</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0F0804</u> |

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|----------------------|--|-----------------|--------|---------------------|---------|---------------|---|
| Initial Cal Check (0F06008-ICV1) | | Lab File ID: ECD8-06062015.D Analyzed: 06/06/20 18:36 | | | | | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 97 | 70 - 130 | 5.274 | 5.274556 | -0.0006 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 99 | 70 - 130 | 5.847 | 5.847222 | -0.0002 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 99 | 70 - 130 | 9.482 | 9.482445 | -0.0004 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 98 | 70 - 130 | 10.396 | 10.39611 | -0.0001 | +/-1.0 | |

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0G09046
 Matrix: Sediment

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: DUALECD8
 Calibration: A0F0804

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|-------------------|------------|------------------------------|--------|--------------------------|---------|---------------|---|
| Calibration Check (0G09046-CCV1) | | | Lab File ID: ECD8-07092004.D | | Analyzed: 07/09/20 12:26 | | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 100 | 80 - 120 | 5.116 | 5.274556 | -0.1586 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 89 | 80 - 120 | 5.677 | 5.847222 | -0.1702 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 95 | 80 - 120 | 9.321 | 9.482445 | -0.1614 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 101 | 80 - 120 | 10.204 | 10.39611 | -0.1921 | +/-1.0 | |
| Calibration Blank (0G09046-CCB1) | | | Lab File ID: ECD8-07092006.D | | Analyzed: 07/09/20 12:59 | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 81 | 42 - 129 | 5.681 | 5.847222 | -0.1662 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 89 | 55 - 130 | 10.201 | 10.39611 | -0.1951 | +/-1.0 | |
| Blank (0070206-BLK1) | | | Lab File ID: ECD8-07092007.D | | Analyzed: 07/09/20 13:15 | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 45.5 | 69 | 42 - 129 | 5.68 | 5.847222 | -0.1672 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 45.5 | 103 | 55 - 130 | 10.199 | 10.39611 | -0.1971 | +/-1.0 | |
| LCS (0070206-BS1) | | | Lab File ID: ECD8-07092008.D | | Analyzed: 07/09/20 13:32 | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 70 | 42 - 129 | 5.68 | 5.847222 | -0.1672 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 98 | 55 - 130 | 10.2 | 10.39611 | -0.1961 | +/-1.0 | |
| PDI-150SC-A-08-09-200425 (A0F0647-03RE3) | | | Lab File ID: ECD8-07092009.D | | Analyzed: 07/09/20 13:49 | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 58.5 | 52 | 42 - 129 | 5.68 | 5.847222 | -0.1672 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 58.5 | 89 | 55 - 130 | 10.2 | 10.39611 | -0.1961 | +/-1.0 | |
| PDI-150SC-A-09-10-200425 (A0F0647-04RE3) | | | Lab File ID: ECD8-07092010.D | | Analyzed: 07/09/20 14:05 | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 55.0 | 58 | 42 - 129 | 5.679 | 5.847222 | -0.1682 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 55.0 | 92 | 55 - 130 | 10.199 | 10.39611 | -0.1971 | +/-1.0 | |
| Calibration Check (0G09046-CCV3) | | | Lab File ID: ECD8-07092016.D | | Analyzed: 07/09/20 15:52 | | | |
| 2,4,5,6-TCMX (Surr) | 100 | 107 | 80 - 120 | 5.115 | 5.274556 | -0.1596 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 95 | 80 - 120 | 5.68 | 5.847222 | -0.1672 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 100 | 101 | 80 - 120 | 9.314 | 9.482445 | -0.1684 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 102 | 80 - 120 | 10.198 | 10.39611 | -0.1981 | +/-1.0 | |
| Calibration Blank (0G09046-CCB2) | | | Lab File ID: ECD8-07092018.D | | Analyzed: 07/09/20 16:25 | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 87 | 42 - 129 | 5.679 | 5.847222 | -0.1682 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 89 | 55 - 130 | 10.199 | 10.39611 | -0.1971 | +/-1.0 | |
| PDI-149SC-A-01-02-200425 (A0F0647-01RE3) | | | Lab File ID: ECD8-07092019.D | | Analyzed: 07/09/20 16:41 | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 61.2 | 90 | 42 - 129 | 5.678 | 5.847222 | -0.1692 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 61.2 | 129 | 55 - 130 | 10.197 | 10.39611 | -0.1991 | +/-1.0 | |
| Duplicate (0070206-DUP1) | | | Lab File ID: ECD8-07092021.D | | Analyzed: 07/09/20 17:18 | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 60.9 | 86 | 42 - 129 | 5.679 | 5.847222 | -0.1682 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 60.9 | 125 | 55 - 130 | 9.313 | 9.482445 | -0.1694 | +/-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 Co</u> |
| Sequence: <u>0G09046</u> | Instrument: <u>DUALECD8</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0F0804</u> |

| Surrogate Compound | Spike Level ug/kg dry | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|--|--------------------------|------------|-----------------|------------------------------|---------------------|--------------------------|---------------|---|
| PDI-149SC-A-02-03-200425 (A0F0647-02RE3) | | | | | | | | |
| | | | | Lab File ID: ECD8-07092023.D | | Analyzed: 07/09/20 17:55 | | |
| 2,4,5,6-TCMX (Surr) [2C] | 57.1 | 77 | 42 - 129 | 5.677 | 5.847222 | -0.1702 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 57.1 | 122 | 55 - 130 | 10.195 | 10.39611 | -0.2011 | +/-1.0 | |
| Calibration Check (0G09046-CCV5) | | | | | | | | |
| | | | | Lab File ID: ECD8-07092031.D | | Analyzed: 07/09/20 20:23 | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 104 | 80 - 120 | 5.115 | 5.274556 | -0.1596 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 90 | 80 - 120 | 5.676 | 5.847222 | -0.1712 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 100 | 80 - 120 | 9.312 | 9.482445 | -0.1704 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 107 | 80 - 120 | 10.194 | 10.39611 | -0.2021 | +/-1.0 | |
| Calibration Blank (0G09046-CCB3) | | | | | | | | |
| | | | | Lab File ID: ECD8-07092033.D | | Analyzed: 07/09/20 20:56 | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 92 | 42 - 129 | 5.675 | 5.847222 | -0.1722 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 100 | 55 - 130 | 10.195 | 10.39611 | -0.2011 | +/-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-149SC-A-01-02-200425 | 04/25/20 13:06 | 04/27/20 14:40 | 07/07/20 12:49 | 72.99 | 14.00 | 07/09/20 16:41 | 2.16 | 40.00 | * |
| PDI-149SC-A-02-03-200425 | 04/25/20 13:06 | 04/27/20 14:40 | 07/07/20 12:49 | 72.99 | 14.00 | 07/09/20 17:55 | 2.21 | 40.00 | * |
| PDI-150SC-A-08-09-200425 | 04/25/20 11:01 | 04/27/20 14:40 | 07/07/20 12:49 | 73.08 | 14.00 | 07/09/20 13:49 | 2.04 | 40.00 | * |
| PDI-150SC-A-09-10-200425 | 04/25/20 11:01 | 04/27/20 14:40 | 07/07/20 12:49 | 73.08 | 14.00 | 07/09/20 14:05 | 2.05 | 40.00 | * |

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GCMS

METHOD: EPA 8270D

ANALYSES DATA PACKAGE COVER PAGE

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

| Client Sample Id: | Lab Sample Id: | Matrix |
|---------------------------------|-----------------------|---------------|
| <u>PDI-149SC-A-01-02-200425</u> | <u>A0F0647-01</u> | <u>SE</u> |
| <u>PDI-149SC-A-02-03-200425</u> | <u>A0F0647-02</u> | <u>SE</u> |
| <u>PDI-150SC-A-08-09-200425</u> | <u>A0F0647-03</u> | <u>SE</u> |
| <u>PDI-150SC-A-09-10-200425</u> | <u>A0F0647-04</u> | <u>SE</u> |

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

7/21/2020 3:57PM

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-149SC-A-01-02-200425

| | | |
|--------------------------------------|--|--|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-01RE1</u> | File ID: <u>N06262006.D</u> |
| Sampled: <u>04/25/20 13:06</u> | Prepared: <u>06/26/20 07:12</u> | Analyzed: <u>06/26/20 12:18</u> |
| Solids: <u>80.91</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.37 g / 5 mL</u> |
| Batch: <u>0060858</u> | Sequence: <u>0F26021</u> | Calibration: <u>A0D0804</u> Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|----|
| 83-32-9 | Acenaphthene | 1000 | 58300 | D |
| 208-96-8 | Acenaphthylene | 1000 | 6160 | D |
| 120-12-7 | Anthracene | 1000 | 28300 | D |
| 56-55-3 | Benz(a)anthracene | 1000 | 17100 | D |
| 50-32-8 | Benzo(a)pyrene | 1000 | 24100 | D |
| 205-99-2 | Benzo(b)fluoranthene | 1000 | 19400 | D |
| 207-08-9 | Benzo(k)fluoranthene | 1000 | 6390 | D |
| 191-24-2 | Benzo(g,h,i)perylene | 1000 | 16300 | D |
| 218-01-9 | Chrysene | 1000 | 23100 | D |
| 53-70-3 | Dibenz(a,h)anthracene | 1000 | 1630 | JD |
| 206-44-0 | Fluoranthene | 1000 | 69900 | D |
| 86-73-7 | Fluorene | 1000 | 29100 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1000 | 14400 | D |
| 91-57-6 | 2-Methylnaphthalene | 1000 | 2800 | JD |
| 91-20-3 | Naphthalene | 1000 | 9580 | D |
| 85-01-8 | Phenanthrene | 1000 | 145000 | D |
| 129-00-0 | Pyrene | 1000 | 91000 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 59.6 | 113 | 190 | 44 - 120 | D |
| p-Terphenyl-d14 (Surr) | 59.6 | 131 | 220 | 54 - 127 | D |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 239011 | 7.761 | 234949 | 7.761 | |
| Acenaphthene-d10 (ISTD) | 152720 | 9.515 | 147969 | 9.515 | |
| Phenanthrene-d10 (ISTD) | 270211 | 11.025 | 260384 | 11.025 | |
| Chrysene-d12 (ISTD) | 223896 | 14.691 | 211764 | 14.691 | |
| Perylene-d12 (ISTD) | 208979 | 18.153 | 192806 | 18.153 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 179448 | 20.537 | 167904 | 20.543 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-149SC-A-02-03-200425

| | | |
|--------------------------------------|--|--------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-02RE1</u> | File ID: <u>N06262009.D</u> |
| Sampled: <u>04/25/20 13:06</u> | Prepared: <u>06/26/20 07:12</u> | Analyzed: <u>06/26/20 13:55</u> |
| Solids: <u>87.38</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.68 g / 5 mL</u> |
| Batch: <u>0060858</u> | Sequence: <u>0F26021</u> | Calibration: <u>A0D0804</u> |
| | | Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|----|
| 83-32-9 | Acenaphthene | 4000 | 120000 | D |
| 208-96-8 | Acenaphthylene | 4000 | 21100 | D |
| 120-12-7 | Anthracene | 4000 | 85500 | D |
| 56-55-3 | Benz(a)anthracene | 4000 | 76800 | D |
| 50-32-8 | Benzo(a)pyrene | 4000 | 116000 | D |
| 205-99-2 | Benzo(b)fluoranthene | 4000 | 93300 | D |
| 207-08-9 | Benzo(k)fluoranthene | 4000 | 31200 | D |
| 191-24-2 | Benzo(g,h,i)perylene | 4000 | 80500 | D |
| 218-01-9 | Chrysene | 4000 | 89200 | D |
| 53-70-3 | Dibenz(a,h)anthracene | 4000 | 8290 | JD |
| 206-44-0 | Fluoranthene | 4000 | 309000 | D |
| 86-73-7 | Fluorene | 4000 | 69900 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 4000 | 70200 | D |
| 91-57-6 | 2-Methylnaphthalene | 4000 | 5360 | U |
| 91-20-3 | Naphthalene | 4000 | 5360 | U |
| 85-01-8 | Phenanthrene | 4000 | 457000 | D |
| 129-00-0 | Pyrene | 4000 | 362000 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 53.6 | 129 | 240 | 44 - 120 | D |
| p-Terphenyl-d14 (Surr) | 53.6 | 193 | 360 | 54 - 127 | D |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 244302 | 7.761 | 234949 | 7.761 | |
| Acenaphthene-d10 (ISTD) | 163570 | 9.515 | 147969 | 9.515 | |
| Phenanthrene-d10 (ISTD) | 302131 | 11.025 | 260384 | 11.025 | |
| Chrysene-d12 (ISTD) | 271436 | 14.691 | 211764 | 14.691 | |
| Perylene-d12 (ISTD) | 260542 | 18.159 | 192806 | 18.153 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 223554 | 20.543 | 167904 | 20.543 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-150SC-A-08-09-200425

| | | |
|--------------------------------------|--|-------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-03RE1</u> | File ID: <u>N06262010.D</u> |
| Sampled: <u>04/25/20 11:01</u> | Prepared: <u>06/26/20 07:12</u> | Analyzed: <u>06/26/20 14:28</u> |
| Solids: <u>82.61</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.2 g / 5 mL</u> |
| Batch: <u>0060858</u> | Sequence: <u>0F26021</u> | Calibration: <u>A0D0804</u> |
| | | Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|----|
| 83-32-9 | Acenaphthene | 4 | 23.3 | D |
| 208-96-8 | Acenaphthylene | 4 | 22.2 | D |
| 120-12-7 | Anthracene | 4 | 10.9 | JD |
| 56-55-3 | Benz(a)anthracene | 4 | 79.4 | D |
| 50-32-8 | Benzo(a)pyrene | 4 | 131 | D |
| 205-99-2 | Benzo(b)fluoranthene | 4 | 109 | D |
| 207-08-9 | Benzo(k)fluoranthene | 4 | 31.4 | D |
| 191-24-2 | Benzo(g,h,i)perylene | 4 | 93.6 | D |
| 218-01-9 | Chrysene | 4 | 78.1 | D |
| 53-70-3 | Dibenz(a,h)anthracene | 4 | 9.14 | JD |
| 206-44-0 | Fluoranthene | 4 | 278 | D |
| 86-73-7 | Fluorene | 4 | 16.5 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 4 | 81.6 | D |
| 91-57-6 | 2-Methylnaphthalene | 4 | 5.93 | U |
| 91-20-3 | Naphthalene | 4 | 5.93 | U |
| 85-01-8 | Phenanthrene | 4 | 8.17 | JD |
| 129-00-0 | Pyrene | 4 | 382 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 59.3 | 46.0 | 77 | 44 - 120 | |
| p-Terphenyl-d14 (Surr) | 59.3 | 54.9 | 93 | 54 - 127 | |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 219310 | 7.766 | 234949 | 7.761 | |
| Acenaphthene-d10 (ISTD) | 143722 | 9.515 | 147969 | 9.515 | |
| Phenanthrene-d10 (ISTD) | 241943 | 11.025 | 260384 | 11.025 | |
| Chrysene-d12 (ISTD) | 205530 | 14.697 | 211764 | 14.691 | |
| Perylene-d12 (ISTD) | 197237 | 18.159 | 192806 | 18.153 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 169272 | 20.543 | 167904 | 20.543 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-150SC-A-09-10-200425

| | | |
|--------------------------------------|--|--|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u> | |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u> | |
| Matrix: <u>SE</u> | Laboratory ID: <u>A0F0647-04RE1</u> | File ID: <u>N06262011.D</u> |
| Sampled: <u>04/25/20 11:01</u> | Prepared: <u>06/26/20 07:12</u> | Analyzed: <u>06/26/20 15:01</u> |
| Solids: <u>87.42</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.56 g / 5 mL</u> |
| Batch: <u>0060858</u> | Sequence: <u>0F26021</u> | Calibration: <u>A0D0804</u> Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|---|
| 83-32-9 | Acenaphthene | 1 | 104 | |
| 208-96-8 | Acenaphthylene | 1 | 5.33 | |
| 120-12-7 | Anthracene | 1 | 2.99 | |
| 56-55-3 | Benz(a)anthracene | 1 | 5.94 | |
| 50-32-8 | Benzo(a)pyrene | 1 | 10.2 | |
| 205-99-2 | Benzo(b)fluoranthene | 1 | 8.39 | |
| 207-08-9 | Benzo(k)fluoranthene | 1 | 2.70 | J |
| 191-24-2 | Benzo(g,h,i)perylene | 1 | 7.31 | |
| 218-01-9 | Chrysene | 1 | 8.02 | |
| 53-70-3 | Dibenz(a,h)anthracene | 1 | 1.35 | U |
| 206-44-0 | Fluoranthene | 1 | 18.2 | |
| 86-73-7 | Fluorene | 1 | 3.35 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1 | 6.55 | |
| 91-57-6 | 2-Methylnaphthalene | 1 | 5.44 | |
| 91-20-3 | Naphthalene | 1 | 53.8 | |
| 85-01-8 | Phenanthrene | 1 | 11.2 | |
| 129-00-0 | Pyrene | 1 | 24.1 | |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 54.2 | 40.2 | 74 | 44 - 120 | |
| p-Terphenyl-d14 (Surr) | 54.2 | 50.4 | 93 | 54 - 127 | |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 238795 | 7.761 | 234949 | 7.761 | |
| Acenaphthene-d10 (ISTD) | 157259 | 9.515 | 147969 | 9.515 | |
| Phenanthrene-d10 (ISTD) | 274342 | 11.025 | 260384 | 11.025 | |
| Chrysene-d12 (ISTD) | 243915 | 14.697 | 211764 | 14.691 | |
| Perylene-d12 (ISTD) | 231524 | 18.159 | 192806 | 18.153 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 196378 | 20.549 | 167904 | 20.543 | |

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0060858

Batch Matrix: Sediment

Preparation: EPA 3546

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------------|---------------|-------------|----------------|--------------|
| Blank | 0060858-BLK1 | N06262004.D | 06/26/20 07:12 | |
| LCS | 0060858-BS1 | N06262005.D | 06/26/20 07:12 | |
| PDI-149SC-A-01-02-200425 (Dup) | 0060858-DUP1 | N06262007.D | 06/26/20 07:12 | |
| PDI-149SC-A-01-02-200425 | A0F0647-01RE1 | N06262006.D | 06/26/20 07:12 | |
| PDI-149SC-A-02-03-200425 | A0F0647-02RE1 | N06262009.D | 06/26/20 07:12 | |
| PDI-150SC-A-08-09-200425 | A0F0647-03RE1 | N06262010.D | 06/26/20 07:12 | |
| PDI-150SC-A-09-10-200425 | A0F0647-04RE1 | N06262011.D | 06/26/20 07:12 | |

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>0060858-BLK1</u> |
| Prepared: <u>06/26/20 07:12</u> | Preparation: <u>EPA 3546</u> |
| Analyzed: <u>06/26/20 11:13</u> | Instrument: <u>SV-GCMS14</u> |
| Batch: <u>0060858</u> | Sequence: <u>0F26021</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 | 1.34 | J |
| 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 | 42.4 | 93 | 44 - 120 | |
| p-Terphenyl-d14 (Surr) | 45.5 | 53.6 | 118 | 54 - 127 | |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 206502 | 7.761 | 234949 | 7.761 | |
| Acenaphthene-d10 (ISTD) | 131494 | 9.515 | 147969 | 9.515 | |
| Phenanthrene-d10 (ISTD) | 234879 | 11.025 | 260384 | 11.025 | |
| Chrysene-d12 (ISTD) | 189542 | 14.691 | 211764 | 14.691 | |
| Perylene-d12 (ISTD) | 174333 | 18.159 | 192806 | 18.153 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 152934 | 20.543 | 167904 | 20.543 | |

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: 0060858

Laboratory ID: 0060858-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 | 21.0 | 105 | 40 - 123 |
| Acenaphthylene | 20.0 | 20.6 | 103 | 32 - 132 |
| Anthracene | 20.0 | 21.9 | 110 | 47 - 123 |
| Benz(a)anthracene | 20.0 | 21.0 | 105 | 49 - 126 |
| Benzo(a)pyrene | 20.0 | 22.8 | 114 | 45 - 129 |
| Benzo(b)fluoranthene | 20.0 | 21.5 | 108 | 45 - 132 |
| Benzo(k)fluoranthene | 20.0 | 21.7 | 109 | 47 - 132 |
| Benzo(g,h,i)perylene | 20.0 | 20.6 | 103 | 43 - 134 |
| Chrysene | 20.0 | 21.2 | 106 | 50 - 124 |
| Dibenz(a,h)anthracene | 20.0 | 21.4 | 107 | 45 - 134 |
| Fluoranthene | 20.0 | 21.8 | 109 | 50 - 127 |
| Fluorene | 20.0 | 21.4 | 107 | 43 - 125 |
| Indeno(1,2,3-cd)pyrene | 20.0 | 21.2 | 106 | 45 - 133 |
| 2-Methylnaphthalene | 20.0 | 22.3 | 111 | 38 - 122 |
| Naphthalene | 20.0 | 21.0 | 105 | 35 - 123 |
| Phenanthrene | 20.0 | 21.0 | 105 | 50 - 121 |
| Pyrene | 20.0 | 22.0 | 110 | 47 - 127 |

* = Values outside of QC limits

DUPLICATES

PDI-149SC-A-01-02-200425

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: 0060858-DUP1

Batch: 0060858

Lab Source ID: A0F0647-01RE1

Preparation: EPA 3546

Initial/Final: 10.37 g / 5 mL

Source Sample Name: PDI-149SC-A-01-02-200425

% Solids: 80.91

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (ug/kg dry) | C | DUPLICATE CONCENTRATION (ug/kg dry) | C | RPD % | Q | METHOD |
|------------------------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|-----------|
| Acenaphthene | 30 | 58300 | | 35000 | | 50 | * | EPA 8270D |
| Acenaphthylene | 30 | 6160 | | 5090 | | 19 | | EPA 8270D |
| Anthracene | 30 | 28300 | | 19300 | | 38 | * | EPA 8270D |
| Benz(a)anthracene | 30 | 17100 | | 15900 | | 7 | | EPA 8270D |
| Benzo(a)pyrene | 30 | 24100 | | 22700 | | 6 | | EPA 8270D |
| Benzo(b)fluoranthene | 30 | 19400 | | 18300 | | 6 | | EPA 8270D |
| Benzo(k)fluoranthene | 30 | 6390 | | 6330 | | 1 | | EPA 8270D |
| Benzo(g,h,i)perylene | 30 | 16300 | | 16200 | | 0.7 | | EPA 8270D |
| Chrysene | 30 | 23100 | | 18900 | | 20 | | EPA 8270D |
| Dibenz(a,h)anthracene | 30 | 1630 | | 1650 | | 1 | | EPA 8270D |
| Fluoranthene | 30 | 69900 | | 64600 | | 8 | | EPA 8270D |
| Fluorene | 30 | 29100 | | 18100 | | 46 | * | EPA 8270D |
| Indeno(1,2,3-cd)pyrene | 30 | 14400 | | 14000 | | 3 | | EPA 8270D |
| 2-Methylnaphthalene | 30 | 2800 | | 1670 | | 50 | * | EPA 8270D |
| Naphthalene | 30 | 9580 | | 7060 | | 30 | | EPA 8270D |
| Phenanthrene | 30 | 145000 | | 111000 | | 26 | | EPA 8270D |
| Pyrene | 30 | 91000 | | 89100 | | 2 | | EPA 8270D |

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0D07056

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

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

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

| | |
|--------------------------------------|--|
| Laboratory: <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>0F26021</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 | 0F26021-TUN1 | N06262001.D | 06/26/20 08:18 |
| Calibration Check | 0F26021-CCV1 | N06262002.D | 06/26/20 08:46 |
| Calibration Blank | 0F26021-CCB1 | N06262003.D | 06/26/20 09:18 |
| Blank | 0060858-BLK1 | N06262004.D | 06/26/20 11:13 |
| LCS | 0060858-BS1 | N06262005.D | 06/26/20 11:45 |
| PDI-149SC-A-01-02-200425 | A0F0647-01RE1 | N06262006.D | 06/26/20 12:18 |
| PDI-149SC-A-01-02-200425 (Dup) | 0060858-DUP1 | N06262007.D | 06/26/20 12:50 |
| PDI-149SC-A-02-03-200425 | A0F0647-02RE1 | N06262009.D | 06/26/20 13:55 |
| PDI-150SC-A-08-09-200425 | A0F0647-03RE1 | N06262010.D | 06/26/20 14:28 |
| PDI-150SC-A-09-10-200425 | A0F0647-04RE1 | N06262011.D | 06/26/20 15:01 |

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Lab File ID: N04072011.D

Injection Date: 04/07/20

Instrument ID: SV-GCMS14

Injection Time: 16:40

Sequence: 0D07056

Lab Sample ID: 0D07056-TUN1

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Lab File ID: N06262001.D

Injection Date: 06/26/20

Instrument ID: SV-GCMS14

Injection Time: 08:18

Sequence: 0F26021

Lab Sample ID: 0F26021-TUN1

| m/z | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---------|------------------------------------|----------------------|------|
| m/z 68 | Less than 2% of m/z 69 | 1.94 | PASS |
| m/z 69 | Base peak, 100% relative abundance | 100.00 | PASS |
| m/z 70 | Less than 2% of m/z 69 | 0.48 | 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 | 6.79 | PASS |
| m/z 365 | 1 - 100% of m/z 198 | 4.34 | PASS |
| m/z 441 | Less than 150% of m/z 443 | 77.35 | PASS |
| m/z 442 | 0.1 - 200% of m/z 198 | 148.63 | PASS |
| m/z 443 | 15 - 24% of m/z 442 | 19.69 | 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

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0D0804

Instrument: SV-GCMS14

Calibration Date: 04/08/20 10:34

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

INITIAL CALIBRATION DATA (Continued)

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0D0804

Instrument: SV-GCMS14

Matrix:

Calibration Date: 04/08/20 10:34

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

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270D

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

| ANALYTE | EXPECTED (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: N06262002.D

Calibration Date: 04/08/20 10:34

Sequence: 0F26021

Injection Date: 06/26/20

Lab Sample ID: 0F26021-CCV1

Injection Time: 08:46

| 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 | 48.6 | | 1.367868 | 1.330211 | -2.8 | 20 |
| Acenaphthylene | Ave | 50.0 | 52.0 | | 1.864683 | 1.939704 | 4.0 | 20 |
| Anthracene | Ave | 50.0 | 52.2 | | 0.9426797 | 0.9835551 | 4.3 | 20 |
| Benz(a)anthracene | Ave | 50.0 | 49.0 | | 1.037035 | 1.016159 | -2.0 | 20 |
| Benzo(a)pyrene | XXX | 50.0 | 56.1 | 12.1 | | | | 20 |
| Benzo(b)fluoranthene | Ave | 50.0 | 52.1 | | 1.033776 | 1.077238 | 4.2 | 20 |
| Benzo(k)fluoranthene | Ave | 50.0 | 52.2 | | 1.030571 | 1.075174 | 4.3 | 20 |
| Benzo(g,h,i)perylene | Ave | 50.0 | 48.5 | | 1.165254 | 1.129622 | -3.1 | 20 |
| Chrysene | Ave | 50.0 | 48.3 | | 1.066565 | 1.031252 | -3.3 | 20 |
| Dibenz(a,h)anthracene | Ave | 50.0 | 51.5 | | 1.095365 | 1.128752 | 3.0 | 20 |
| Fluoranthene | Ave | 50.0 | 51.4 | | 1.134427 | 1.166001 | 2.8 | 20 |
| Fluorene | Ave | 50.0 | 50.7 | | 1.315227 | 1.33332 | 1.4 | 20 |
| Indeno(1,2,3-cd)pyrene | Ave | 50.0 | 50.3 | | 1.086276 | 1.091874 | 0.5 | 20 |
| 2-Methylnaphthalene | Ave | 50.0 | 51.1 | | 0.7313287 | 0.7471664 | 2.2 | 20 |
| Naphthalene | Ave | 50.0 | 48.0 | | 1.08918 | 1.045257 | -4.0 | 20 |
| Phenanthrene | Ave | 50.0 | 48.2 | | 1.151046 | 1.109423 | -3.6 | 20 |
| Pyrene | Ave | 50.0 | 57.7 | | 1.297049 | 1.497403 | 15.4 | 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

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F26021

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 (0F26021-CCV1) | | | Lab File ID: N06262002.D | | Analyzed: 06/26/20 08:46 | | | |
| 2-Fluorobiphenyl (Surr) | 50.0 | 96 | 80 - 120 | 8.828 | 8.973 | -0.1450 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 50.0 | 106 | 80 - 120 | 12.768 | 12.9576 | -0.1896 | +/-1.0 | |
| Calibration Blank (0F26021-CCB1) | | | Lab File ID: N06262003.D | | Analyzed: 06/26/20 09:18 | | | |
| 2-Fluorobiphenyl (Surr) | | | 44 - 120 | 8.827 | 8.973 | -0.1460 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | | | 54 - 127 | 12.767 | 12.9576 | -0.1906 | +/-1.0 | |
| Blank (0060858-BLK1) | | | Lab File ID: N06262004.D | | Analyzed: 06/26/20 11:13 | | | |
| 2-Fluorobiphenyl (Surr) | 45.5 | 93 | 44 - 120 | 8.827 | 8.973 | -0.1460 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 45.5 | 118 | 54 - 127 | 12.773 | 12.9576 | -0.1846 | +/-1.0 | |
| LCS (0060858-BS1) | | | Lab File ID: N06262005.D | | Analyzed: 06/26/20 11:45 | | | |
| 2-Fluorobiphenyl (Surr) | 50.0 | 91 | 44 - 120 | 8.827 | 8.973 | -0.1460 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 50.0 | 105 | 54 - 127 | 12.768 | 12.9576 | -0.1896 | +/-1.0 | |
| PDI-149SC-A-01-02-200425 (A0F0647-01RE1) | | | Lab File ID: N06262006.D | | Analyzed: 06/26/20 12:18 | | | |
| 2-Fluorobiphenyl (Surr) | 59.6 | 190 | 44 - 120 | 8.827 | 8.973 | -0.1460 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 59.6 | 220 | 54 - 127 | 12.768 | 12.9576 | -0.1896 | +/-1.0 | * |
| Duplicate (0060858-DUP1) | | | Lab File ID: N06262007.D | | Analyzed: 06/26/20 12:50 | | | |
| 2-Fluorobiphenyl (Surr) | 59.6 | 160 | 44 - 120 | 8.827 | 8.973 | -0.1460 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 59.6 | 200 | 54 - 127 | 12.767 | 12.9576 | -0.1906 | +/-1.0 | * |
| PDI-149SC-A-02-03-200425 (A0F0647-02RE1) | | | Lab File ID: N06262009.D | | Analyzed: 06/26/20 13:55 | | | |
| 2-Fluorobiphenyl (Surr) | 53.6 | 240 | 44 - 120 | 8.827 | 8.973 | -0.1460 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 53.6 | 360 | 54 - 127 | 12.768 | 12.9576 | -0.1896 | +/-1.0 | * |
| PDI-150SC-A-08-09-200425 (A0F0647-03RE1) | | | Lab File ID: N06262010.D | | Analyzed: 06/26/20 14:28 | | | |
| 2-Fluorobiphenyl (Surr) | 59.3 | 77 | 44 - 120 | 8.833 | 8.973 | -0.1400 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 59.3 | 93 | 54 - 127 | 12.773 | 12.9576 | -0.1846 | +/-1.0 | |
| PDI-150SC-A-09-10-200425 (A0F0647-04RE1) | | | Lab File ID: N06262011.D | | Analyzed: 06/26/20 15:01 | | | |
| 2-Fluorobiphenyl (Surr) | 54.2 | 74 | 44 - 120 | 8.828 | 8.973 | -0.1450 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 54.2 | 93 | 54 - 127 | 12.774 | 12.9576 | -0.1836 | +/-1.0 | |

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

| | | | |
|-------------|--------------------------|--------------|--|
| Laboratory: | <u>Apex Laboratories</u> | SDG: | <u>Gasco PreRD_DG 2019</u> |
| Client: | <u>Anchor QEA, LLC</u> | Project: | <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Sequence: | <u>0F26021</u> | Instrument: | <u>SV-GCMS14</u> |
| Matrix: | <u>Sediment</u> | Calibration: | <u>A0D0804</u> |

| Internal Standard | Response | RT | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|--|----------|--------|--------------------------|--------------|--------|--------------------------|---------|---------------|---|
| Calibration Check (0F26021-CCV1) | | | Lab File ID: N06262002.D | | | Analyzed: 06/26/20 08:46 | | | |
| Naphthalene-d8 (ISTD) | 234949 | 7.761 | 265079 | 7.906 | 89 | 50 - 200 | -0.1450 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 147969 | 9.515 | 146492 | 9.661 | 101 | 50 - 200 | -0.1460 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 260384 | 11.025 | 242013 | 11.165 | 108 | 50 - 200 | -0.1400 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 211764 | 14.691 | 238949 | 14.947 | 89 | 50 - 200 | -0.2560 | +/-0.50 | |
| Perylene-d12 (ISTD) | 192806 | 18.153 | 233103 | 18.41 | 83 | 50 - 200 | -0.2570 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 167904 | 20.543 | 190743 | 20.794 | 88 | 50 - 200 | -0.2510 | +/-0.50 | |
| Calibration Blank (0F26021-CCB1) | | | Lab File ID: N06262003.D | | | Analyzed: 06/26/20 09:18 | | | |
| Naphthalene-d8 (ISTD) | 230562 | 7.761 | 234949 | 7.761 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 143986 | 9.515 | 147969 | 9.515 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 221845 | 11.025 | 260384 | 11.025 | 85 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 190370 | 14.691 | 211764 | 14.691 | 90 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 184980 | 18.153 | 192806 | 18.153 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 170769 | 20.537 | 167904 | 20.543 | 102 | 50 - 200 | -0.0060 | +/-0.50 | |
| Blank (0060858-BLK1) | | | Lab File ID: N06262004.D | | | Analyzed: 06/26/20 11:13 | | | |
| Naphthalene-d8 (ISTD) | 206502 | 7.761 | 234949 | 7.761 | 88 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 131494 | 9.515 | 147969 | 9.515 | 89 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 234879 | 11.025 | 260384 | 11.025 | 90 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 189542 | 14.691 | 211764 | 14.691 | 90 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 174333 | 18.159 | 192806 | 18.153 | 90 | 50 - 200 | 0.0060 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 152934 | 20.543 | 167904 | 20.543 | 91 | 50 - 200 | 0.0000 | +/-0.50 | |
| LCS (0060858-BS1) | | | Lab File ID: N06262005.D | | | Analyzed: 06/26/20 11:45 | | | |
| Naphthalene-d8 (ISTD) | 230954 | 7.761 | 234949 | 7.761 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 141458 | 9.515 | 147969 | 9.515 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 247025 | 11.025 | 260384 | 11.025 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 218461 | 14.691 | 211764 | 14.691 | 103 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 204808 | 18.153 | 192806 | 18.153 | 106 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 172945 | 20.543 | 167904 | 20.543 | 103 | 50 - 200 | 0.0000 | +/-0.50 | |
| PDI-149SC-A-01-02-200425 (A0F0647-01RE1) | | | Lab File ID: N06262006.D | | | Analyzed: 06/26/20 12:18 | | | |
| Naphthalene-d8 (ISTD) | 239011 | 7.761 | 234949 | 7.761 | 102 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 152720 | 9.515 | 147969 | 9.515 | 103 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 270211 | 11.025 | 260384 | 11.025 | 104 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 223896 | 14.691 | 211764 | 14.691 | 106 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 208979 | 18.153 | 192806 | 18.153 | 108 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 179448 | 20.537 | 167904 | 20.543 | 107 | 50 - 200 | -0.0060 | +/-0.50 | |

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0F26021
 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 (0060858-DUP1) | | | | | | | | | |
| Lab File ID: N06262007.D | | | | | Analyzed: 06/26/20 12:50 | | | | |
| Naphthalene-d8 (ISTD) | 227734 | 7.761 | 234949 | 7.761 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 147159 | 9.515 | 147969 | 9.515 | 99 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 254666 | 11.025 | 260384 | 11.025 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 201637 | 14.691 | 211764 | 14.691 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 189478 | 18.153 | 192806 | 18.153 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 160013 | 20.537 | 167904 | 20.543 | 95 | 50 - 200 | -0.0060 | +/-0.50 | |
| PDI-149SC-A-02-03-200425 (A0F0647-02RE1) | | | | | | | | | |
| Lab File ID: N06262009.D | | | | | Analyzed: 06/26/20 13:55 | | | | |
| Naphthalene-d8 (ISTD) | 244302 | 7.761 | 234949 | 7.761 | 104 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 163570 | 9.515 | 147969 | 9.515 | 111 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 302131 | 11.025 | 260384 | 11.025 | 116 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 271436 | 14.691 | 211764 | 14.691 | 128 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 260542 | 18.159 | 192806 | 18.153 | 135 | 50 - 200 | 0.0060 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 223554 | 20.543 | 167904 | 20.543 | 133 | 50 - 200 | 0.0000 | +/-0.50 | |
| PDI-150SC-A-08-09-200425 (A0F0647-03RE1) | | | | | | | | | |
| Lab File ID: N06262010.D | | | | | Analyzed: 06/26/20 14:28 | | | | |
| Naphthalene-d8 (ISTD) | 219310 | 7.766 | 234949 | 7.761 | 93 | 50 - 200 | 0.0050 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 143722 | 9.515 | 147969 | 9.515 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 241943 | 11.025 | 260384 | 11.025 | 93 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 205530 | 14.697 | 211764 | 14.691 | 97 | 50 - 200 | 0.0060 | +/-0.50 | |
| Perylene-d12 (ISTD) | 197237 | 18.159 | 192806 | 18.153 | 102 | 50 - 200 | 0.0060 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 169272 | 20.543 | 167904 | 20.543 | 101 | 50 - 200 | 0.0000 | +/-0.50 | |
| PDI-150SC-A-09-10-200425 (A0F0647-04RE1) | | | | | | | | | |
| Lab File ID: N06262011.D | | | | | Analyzed: 06/26/20 15:01 | | | | |
| Naphthalene-d8 (ISTD) | 238795 | 7.761 | 234949 | 7.761 | 102 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 157259 | 9.515 | 147969 | 9.515 | 106 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 274342 | 11.025 | 260384 | 11.025 | 105 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 243915 | 14.697 | 211764 | 14.691 | 115 | 50 - 200 | 0.0060 | +/-0.50 | |
| Perylene-d12 (ISTD) | 231524 | 18.159 | 192806 | 18.153 | 120 | 50 - 200 | 0.0060 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 196378 | 20.549 | 167904 | 20.543 | 117 | 50 - 200 | 0.0060 | +/-0.50 | |
| Matrix Spike (0060858-MS1) | | | | | | | | | |
| Lab File ID: N06262018.D | | | | | Analyzed: 06/26/20 18:52 | | | | |
| Naphthalene-d8 (ISTD) | 237617 | 7.766 | 234949 | 7.761 | 101 | 50 - 200 | 0.0050 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 146481 | 9.521 | 147969 | 9.515 | 99 | 50 - 200 | 0.0060 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 243246 | 11.025 | 260384 | 11.025 | 93 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 252502 | 14.697 | 211764 | 14.691 | 119 | 50 - 200 | 0.0060 | +/-0.50 | |
| Perylene-d12 (ISTD) | 254501 | 18.159 | 192806 | 18.153 | 132 | 50 - 200 | 0.0060 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 227238 | 20.549 | 167904 | 20.543 | 135 | 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-149SC-A-01-02-200425 | 04/25/20 13:06 | 04/27/20 14:40 | 06/26/20 07:12 | 61.75 | 14.00 | 06/26/20 12:18 | 0.21 | 40.00 | * |
| PDI-149SC-A-02-03-200425 | 04/25/20 13:06 | 04/27/20 14:40 | 06/26/20 07:12 | 61.75 | 14.00 | 06/26/20 13:55 | 0.28 | 40.00 | * |
| PDI-150SC-A-08-09-200425 | 04/25/20 11:01 | 04/27/20 14:40 | 06/26/20 07:12 | 61.84 | 14.00 | 06/26/20 14:28 | 0.30 | 40.00 | * |
| PDI-150SC-A-09-10-200425 | 04/25/20 11:01 | 04/27/20 14:40 | 06/26/20 07:12 | 61.84 | 14.00 | 06/26/20 15:01 | 0.33 | 40.00 | * |

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: WET

METHOD: SM 5310 B MOD

ANALYSES DATA PACKAGE COVER PAGE

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

| Client Sample Id: | Lab Sample Id: | Matrix |
|---------------------------------|-----------------------|---------------|
| <u>PDI-149SC-A-01-02-200425</u> | <u>A0F0647-01</u> | <u>SE</u> |
| <u>PDI-149SC-A-02-03-200425</u> | <u>A0F0647-02</u> | <u>SE</u> |
| <u>PDI-150SC-A-08-09-200425</u> | <u>A0F0647-03</u> | <u>SE</u> |
| <u>PDI-150SC-A-09-10-200425</u> | <u>A0F0647-04</u> | <u>SE</u> |

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

7/21/2020 3:57PM

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-149SC-A-01-02-200425

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0F0647-01

File ID: 0G02035.txt-007

Sampled: 04/25/20 13:06

Prepared: 06/29/20 15:35

Analyzed: 07/02/20 17:57

Solids: 80.91

Preparation: PSEP-5310B TOC

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

Batch: 0060932

Sequence: 0G02035

Calibration: A0F1203

Instrument: TOC6

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC | Total Organic Carbon | 0.41 | 1 | | SM 5310 B MOD |

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-149SC-A-02-03-200425

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0F0647-02

File ID: 0G02035.txt-010

Sampled: 04/25/20 13:06

Prepared: 06/29/20 15:35

Analyzed: 07/02/20 18:29

Solids: 87.38

Preparation: PSEP-5310B TOC

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

Batch: 0060932

Sequence: 0G02035

Calibration: A0F1203

Instrument: TOC6

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC | Total Organic Carbon | 0.51 | 1 | | SM 5310 B MOD |

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

| |
|--------------------------|
| PDI-150SC-A-08-09-200425 |
|--------------------------|

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0F0647-03

File ID: 0G02035.txt-011

Sampled: 04/25/20 11:01

Prepared: 06/29/20 15:35

Analyzed: 07/02/20 18:40

Solids: 82.61

Preparation: PSEP-5310B TOC

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

Batch: 0060932

Sequence: 0G02035

Calibration: A0F1203

Instrument: TOC6

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC | Total Organic Carbon | 0.046 | 1 | | SM 5310 B MOD |

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-150SC-A-09-10-200425

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0F0647-04

File ID: 0G02035.txt-012

Sampled: 04/25/20 11:01

Prepared: 06/29/20 15:35

Analyzed: 07/02/20 18:51

Solids: 87.42

Preparation: PSEP-5310B TOC

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

Batch: 0060932

Sequence: 0G02035

Calibration: A0F1203

Instrument: TOC6

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC | Total Organic Carbon | 0.092 | 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 Co

Batch: 0060932 Batch Matrix: Soil

Preparation: PSEP-5310B TOC

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------------|---------------|-----------------|----------------|--------------|
| Blank | 0060932-BLK1 | 0G02035.txt-005 | 06/29/20 15:35 | |
| LCS | 0060932-BS1 | 0G02035.txt-006 | 06/29/20 15:35 | |
| PDI-149SC-A-01-02-200425 (Dup) | 0060932-DUP1 | 0G02035.txt-008 | 06/29/20 15:35 | |
| PDI-149SC-A-01-02-200425 (Dup) | 0060932-DUP2 | 0G02035.txt-009 | 06/29/20 15:35 | |
| PDI-149SC-A-01-02-200425 | A0F0647-01 | 0G02035.txt-007 | 06/29/20 15:35 | |
| PDI-149SC-A-02-03-200425 | A0F0647-02 | 0G02035.txt-010 | 06/29/20 15:35 | |
| PDI-150SC-A-08-09-200425 | A0F0647-03 | 0G02035.txt-011 | 06/29/20 15:35 | |
| PDI-150SC-A-09-10-200425 | A0F0647-04 | 0G02035.txt-012 | 06/29/20 15:35 | |

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

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

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>0060932-BLK1</u> | File ID: <u>0G02035.txt-005</u> | |
| Prepared: <u>06/29/20 15:35</u> | Preparation: <u>PSEP-5310B TOC</u> | Initial/Final: <u>0.2 N/A / 0.2 N/A</u> | |
| Analyzed: <u>07/02/20 17:35</u> | Instrument: <u>TOC6</u> | | |
| Batch: <u>0060932</u> | Sequence: <u>0G02035</u> | Calibration: <u>A0F1203</u> | |

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

LCS / LCS DUPLICATE RECOVERY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Soil

Batch: 0060932

Laboratory ID: 0060932-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 | 10000 | 103 | 90 - 110 |

* = Values outside of QC limits

DUPLICATES
SM 5310 B MOD

PDI-149SC-A-01-02-200425

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: 0060932-DUP1

Batch: 0060932

Lab Source ID: A0F0647-01

Preparation: PSEP-5310B TOC

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

Source Sample Name: PDI-149SC-A-01-02-200425

% Solids: 80.91

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (% by Weight) | C | DUPLICATE CONCENTRATION (% by Weight) | C | RPD % | Q | METHOD |
|----------------------|---------------|------------------------------------|---|---------------------------------------|---|-------|---|---------------|
| Total Organic Carbon | 20 | 0.41 | | 0.75 | | 58 | * | SM 5310 B MOD |

* Values outside of QC limits

DUPLICATES
SM 5310 B MOD

PDI-149SC-A-01-02-200425

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: 0060932-DUP2

Batch: 0060932

Lab Source ID: A0F0647-01

Preparation: PSEP-5310B TOC

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

Source Sample Name: PDI-149SC-A-01-02-200425

% Solids: 80.91

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (% by Weight) | C | DUPLICATE CONCENTRATION (% by Weight) | C | RPD % | Q | METHOD |
|----------------------|---------------|------------------------------------|---|---------------------------------------|---|-------|---|---------------|
| Total Organic Carbon | 20 | 0.41 | | 0.58 | | 34 | * | SM 5310 B MOD |

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F12047

Instrument: TOC6

Matrix: Sediment

Calibration: A0F1203

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

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

SM 5310 B MOD

| | |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u> |
| Client: <u>Anchor QEA, LLC</u> | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Sequence: <u>0G02035</u> | Instrument: <u>TOC6</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0F1203</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------------|---------------|-----------------|--------------------|
| Calibration Check | 0G02035-CCV1 | 0G02035.txt-003 | 07/02/20 17:13 |
| Calibration Blank | 0G02035-CCB1 | 0G02035.txt-004 | 07/02/20 17:24 |
| Blank | 0060932-BLK1 | 0G02035.txt-005 | 07/02/20 17:35 |
| LCS | 0060932-BS1 | 0G02035.txt-006 | 07/02/20 17:46 |
| PDI-149SC-A-01-02-200425 | A0F0647-01 | 0G02035.txt-007 | 07/02/20 17:57 |
| PDI-149SC-A-01-02-200425 (Dup) | 0060932-DUP1 | 0G02035.txt-008 | 07/02/20 18:07 |
| PDI-149SC-A-01-02-200425 (Dup) | 0060932-DUP2 | 0G02035.txt-009 | 07/02/20 18:18 |
| PDI-149SC-A-02-03-200425 | A0F0647-02 | 0G02035.txt-010 | 07/02/20 18:29 |
| PDI-150SC-A-08-09-200425 | A0F0647-03 | 0G02035.txt-011 | 07/02/20 18:40 |
| PDI-150SC-A-09-10-200425 | A0F0647-04 | 0G02035.txt-012 | 07/02/20 18:51 |
| Calibration Check | 0G02035-CCV2 | 0G02035.txt-015 | 07/02/20 19:23 |
| Calibration Blank | 0G02035-CCB2 | 0G02035.txt-016 | 07/02/20 19:34 |
| Calibration Check | 0G02035-CCV3 | 0G02035.txt-027 | 07/02/20 21:33 |
| Calibration Blank | 0G02035-CCB3 | 0G02035.txt-028 | 07/02/20 21:43 |
| Calibration Check | 0G02035-CCV4 | 0G02035.txt-036 | 07/02/20 23:10 |
| Calibration Blank | 0G02035-CCB4 | 0G02035.txt-037 | 07/02/20 23:21 |

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

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

INITIAL CALIBRATION DATA (Summary)

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F1203

Date: 06/12/20 18:48

Instrument: TOC6

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

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/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: A0F1203

Instrument: TOC6

Matrix:

Calibration Date: 06/12/20 18:48

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

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: TOC6

Calibration: A0F1203

Control Limit: +/- 10.00%

Sequence: 0F12047

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

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: TOC6

Calibration: A0F1203

Control Limit: +/- 10.00%

Sequence: 0G02035

| Lab Sample ID | Analyte | True | Found | %R | Units | Method |
|---------------|----------------------|-------|-------|-----|-------|---------------|
| 0G02035-CCV1 | Total Organic Carbon | 10000 | 11000 | 107 | mg/kg | SM 5310 B MOD |
| 0G02035-CCV2 | Total Organic Carbon | 10000 | 9800 | 98 | mg/kg | SM 5310 B MOD |
| 0G02035-CCV3 | Total Organic Carbon | 10000 | 10000 | 100 | mg/kg | SM 5310 B MOD |
| 0G02035-CCV4 | Total Organic Carbon | 10000 | 10000 | 102 | mg/kg | SM 5310 B MOD |

* Values outside of OC limits

INSTRUMENT BLANKS
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: TOC6

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

Sequence: 0F12047

Calibration: A0F1203

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

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

INSTRUMENT BLANKS
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: TOC6

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

Sequence: 0G02035

Calibration: A0F1203

| Lab Sample ID | Analyte | Found | RL | Units | C | Method |
|----------------------|----------------------|--------------|------------|--------------|----------|---------------|
| 0G02035-CCB1 | Total Organic Carbon | ND | 200 (Inst) | mg/kg | | SM 5310 B MOD |
| 0G02035-CCB2 | Total Organic Carbon | ND | 200 (Inst) | mg/kg | | SM 5310 B MOD |
| 0G02035-CCB3 | Total Organic Carbon | ND | 200 (Inst) | mg/kg | | SM 5310 B MOD |
| 0G02035-CCB4 | 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-149SC-A-01-02-200425 | 04/25/20 13:06 | 04/27/20 14:40 | 06/29/20 15:35 | 65.10 | 28.00 | 07/02/20 17:57 | 68.20 | 28.00 | * |
| PDI-149SC-A-02-03-200425 | 04/25/20 13:06 | 04/27/20 14:40 | 06/29/20 15:35 | 65.10 | 28.00 | 07/02/20 18:29 | 68.22 | 28.00 | * |
| PDI-150SC-A-08-09-200425 | 04/25/20 11:01 | 04/27/20 14:40 | 06/29/20 15:35 | 65.19 | 28.00 | 07/02/20 18:40 | 68.32 | 28.00 | * |
| PDI-150SC-A-09-10-200425 | 04/25/20 11:01 | 04/27/20 14:40 | 06/29/20 15:35 | 65.19 | 28.00 | 07/02/20 18:51 | 68.33 | 28.00 | * |

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: WET

METHOD: SM 2540 G

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Client Sample Id:

Lab Sample Id:

Matrix

PDI-149SC-A-01-02-200425

A0F0647-01

SE

PDI-149SC-A-02-03-200425

A0F0647-02

SE

PDI-150SC-A-08-09-200425

A0F0647-03

SE

PDI-150SC-A-09-10-200425

A0F0647-04

SE

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

7/21/2020 3:57PM

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-149SC-A-01-02-200425

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0F0647-01

Sampled: 04/25/20 13:06

Prepared: 06/25/20 15:21

Analyzed: 06/29/20 12:50

Solids: 80.91

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0060850

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 80.9 | 1 | | SM 2540 G |

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-149SC-A-02-03-200425

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0F0647-02

Sampled: 04/25/20 13:06

Prepared: 06/25/20 15:21

Analyzed: 06/29/20 12:50

Solids: 87.38

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0060850

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 87.4 | 1 | | SM 2540 G |

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-150SC-A-08-09-200425

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0F0647-03

Sampled: 04/25/20 11:01

Prepared: 06/25/20 15:21

Analyzed: 06/29/20 12:50

Solids: 82.61

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0060850

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 82.6 | 1 | | SM 2540 G |

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

| |
|--------------------------|
| PDI-150SC-A-09-10-200425 |
|--------------------------|

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0F0647-04

Sampled: 04/25/20 11:01

Prepared: 06/25/20 15:21

Analyzed: 06/29/20 12:50

Solids: 87.42

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0060850

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 87.4 | 1 | | SM 2540 G |

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0060850

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------------|---------------|-------------|----------------|--------------|
| PDI-149SC-A-02-03-200425 (Dup) | 0060850-DUP1 | | 06/25/20 15:21 | |
| PDI-149SC-A-01-02-200425 | A0F0647-01 | | 06/25/20 15:21 | |
| PDI-149SC-A-02-03-200425 | A0F0647-02 | | 06/25/20 15:21 | |
| PDI-150SC-A-08-09-200425 | A0F0647-03 | | 06/25/20 15:21 | |
| PDI-150SC-A-09-10-200425 | A0F0647-04 | | 06/25/20 15:21 | |

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

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

DUPLICATES

PDI-149SC-A-02-03-200425

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: 0060850-DUP1

Batch: 0060850

Lab Source ID: A0F0647-02

Preparation: Total Solids (SM2540G/PSEP)

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

Source Sample Name: PDI-149SC-A-02-03-200425

% Solids: 87.38

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (% by Weight) | C | DUPLICATE CONCENTRATION (% by Weight) | C | RPD % | Q | METHOD |
|--------------|---------------|------------------------------------|---|---------------------------------------|---|-------|---|-----------|
| Total Solids | 10 | 87.4 | | 87.0 | | 0.4 | | SM 2540 G |

* Values outside of QC limits

HOLDING TIME SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

| Sample Name | Date Collected | Date Received | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|--------------------------|-------------------|-------------------|-------------------|--------------|------------------|-------------------|------------------|----------------------|---|
| PDI-149SC-A-01-02-200425 | 04/25/20 13:06 | 04/27/20 14:40 | 06/25/20 15:21 | 61.09 | 180.00 | 06/29/20 12:50 | 3.90 | | |
| PDI-149SC-A-02-03-200425 | 04/25/20 13:06 | 04/27/20 14:40 | 06/25/20 15:21 | 61.09 | 180.00 | 06/29/20 12:50 | 3.90 | | |
| PDI-150SC-A-08-09-200425 | 04/25/20 11:01 | 04/27/20 14:40 | 06/25/20 15:21 | 61.18 | 180.00 | 06/29/20 12:50 | 3.90 | | |
| PDI-150SC-A-09-10-200425 | 04/25/20 11:01 | 04/27/20 14:40 | 06/25/20 15:21 | 61.18 | 180.00 | 06/29/20 12:50 | 3.90 | | |

Raw Data

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

Batch 0060834
Sequence 0F29028 (A0F0647-01,02,03,04)



Apex Laboratories
PREPARATION BENCH SHEET


BATCH #: 0060834 (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 |
| | 0060834-BLK1 | QC | 06/25/20 11:09 | 31 | 2 | | | | 100 | | | | | |
| | 0060834-BS1 | QC | 06/25/20 11:09 | 30 | 2 | A20F380 | | 100 | 100 | | | | | |
| | A0F0647-01 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.2 | 2 | | | | 100 | PDI-149SC-A-01-02-200425 | +1262,1268 | | | |
| | A0F0647-02 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.14 | 2 | | | | 100 | PDI-149SC-A-02-03-200425 | +1262,1268 | | | |
| | A0F0647-03 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.36 | 2 | | | | 100 | PDI-150SC-A-08-09-200425 | +1262,1268 | | | |
| | 0060834-DUP1 | QC | 06/25/20 11:09 | 30.44 | 2 | | A0F0647-03 | | 100 | | | | | |
| | A0F0647-04 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.14 | 2 | | | | 100 | PDI-150SC-A-09-10-200425 | +1262,1268 | | | |
| | 0060834-MS1 | QC | 06/25/20 11:09 | 30.17 | 2 | A20F380 | A0F0647-04 | 100 | 100 | | | | | |
| | A0F0667-01 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.21 | 2 | | | | 100 | PDI-063SC-A-06-07-200429 | +1262,1268 | | | |
| | A0F0667-02 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.07 | 2 | | | | 100 | PDI-063SC-A-07-08-200429 | +1262,1268 | | | |
| | A0F0670-01 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.53 | 2 | | | | 100 | PDI-166SC-A-08-09-200520 | +1262,1268 | | | |
| | A0F0670-01RE1 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.53 | 2 | | | | 100 | PDI-166SC-A-08-09-200520 | Added 6/30/2020 By KAK | | | |
| | A0F0670-02 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.16 | 2 | | | | 100 | PDI-166SC-A-09-10-200520 | +1262,1268 | | | |
| | A0F0670-02RE1 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.16 | 2 | | | | 100 | PDI-166SC-A-09-10-200520 | Added 6/30/2020 By KAK | | | |
| | A0F0670-03 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.58 | 2 | | | | 100 | PDI-166SC-A-10-11.2-200520 | +1262,1268 | | | |
| | A0F0670-03RE1 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30.58 | 2 | | | | 100 | PDI-166SC-A-10-11.2-200520 | Added 6/30/2020 By KAK | | | |

Standards/Reagents

Prepared By: _____ Date: _____


 Reviewed By: _____ Date: 7/7/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060834 (Sediment)

Prep Method: EPA 3546

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | |
|-------------------|------------------|---------------------------------|----------|-------------------------|------------------|-----------------------|-----------|---------------------|------------------|--------------------------|---------------------|----|-----|
| | | | | | | | | | | | | <2 | >11 |
| Reagent(s) | | | | Analyte Spike(s) | | | | Surrogate(s) | | | | | |
| <u>Std ID</u> | <u>Exp. Date</u> | <u>Description</u> | | <u>Std ID</u> | <u>Exp. Date</u> | <u>Description</u> | | <u>Std ID</u> | <u>Exp. Date</u> | <u>Description</u> | | | |
| A13L219 | 11/30/23 | Extractions Balance | | A20F380 | 11/06/20 | 8082 PCB Matrix Spike | | A20F086 | 10/14/20 | 8082 PCB Surrogate Spike | | | |
| A20A032 | 06/30/23 | n-Hexane Lot# 197051 | | | | | | | | | | | |
| A20A327 | 07/22/20 | Florisil Lot 919270-CP | | | | | | | | | | | |
| A20B017 | 08/01/20 | Glass Wool | | | | | | | | | | | |
| A20C055 | 08/31/20 | Sulfuric Acid | | | | | | | | | | | |
| A20E143 | 11/09/20 | DCM CHEM PROD. DY726-US | | | | | | | | | | | |
| A20F023 | 11/29/22 | Sodium Sulfate Lot # 196476 | | | | | | | | | | | |
| A20F071 | 03/02/25 | Copper, Granular Lot# 027040-BL | | | | | | | | | | | |

Method 3546 digestion time and temperature achieved.

Initial:

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060834 (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 | |
| 1/2 | 0060834-BLK1 | QC | 06/25/20 11:09 | 30 31.00 | 2 ✓ | | | | 100 | | | | | | |
| 3/4 | 0060834-BS1 | QC | 06/25/20 11:09 | 30 | 2 ✓ | A20F380 | | 100 | 100 | | | | | | |
| 5/6 | A0F0647-01 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30 30.20 | 2 ✓ | | | | 100 | PDI-149SC-A-01-02-200425 | +1262,1268 | dirt @, P, E | | | |
| 7/8 | A0F0647-02 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30 30.14 | 2 ✓ | | | | 100 | PDI-149SC-A-02-03-200425 | +1262,1268 | dirt @, P, E | | | |
| 9/10 | A0F0647-03 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30 30.36 | 2 ✓ | | | | 100 | PDI-150SC-A-08-09-200425 | +1262,1268 | dirt | | | |
| 11/12 | 0060834-DUP1 | QC | 06/25/20 11:09 | 30 30.44 | 2 ✓ | | A0F0647-03 | | 100 | | | | | | |
| 13/14 | A0F0647-04 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30 30.14 | 2 ✓ | | | | 100 | PDI-150SC-A-09-10-200425 | +1262,1268 | dirt | | | |
| 15/16 | 0060834-MS1 | QC | 06/25/20 11:09 | 30 30.17 | 2 ✓ | A20F380 | A0F0647-04 | 100 | 100 | | | | | | |
| 17/18 | A0F0667-01 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30 30.21 | 2 ✓ | | | | 100 | PDI-063SC-A-06-07-200429 | +1262,1268 | Mud ordo @, P | | | |
| 19/20 | A0F0667-02 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30 30.07 | 2 ✓ | | | | 100 | PDI-063SC-A-07-08-200429 | +1262,1268 | Mud ordo | | | |
| 21/22 | A0F0670-01 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30 30.53 | 2 ✓ | | | | 100 | PDI-166SC-A-08-09-200520 | +1262,1268 | Mud org S, P, E | | | |
| 23/24 | A0F0670-02 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30 30.16 | 2 ✓ | | | | 100 | PDI-166SC-A-09-10-200520 | +1262,1268 | Mud org E, S, P | | | |
| 25/26 | A0F0670-03 | A 8082 PCBs - Low Level (30g/2mL) | 06/25/20 11:09 | 30 30.58 | 2 ✓ | | | | 100 | PDI-166SC-A-10-11.2-200520 | +1262,1268 | Mud org E, S, P | | | |

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 | A20F380 | 11/06/20 | 8082 PCB Matrix Spike | A20F086 | 10/14/20 | 8082 PCB Surrogate Spike |
| A20A032 | 06/30/23 | n-Hexane Lot# 197051 | | | | | | |
| A20A327 | 07/22/20 | Florisil Lot 919270-CP | | | | | | |
| A20B017 | 08/01/20 | Glass Wool | | | | | | |
| A20C055 | 08/31/20 | Sulfuric Acid | | | | | | |
| A20E143 | 11/09/20 | DCM CHEM PROD. DY726-US | | | | | | |
| A20F023 | 11/29/22 | Sodium Sulfate Lot # 196476 | | | | | | |
| A20F071 | 03/02/25 | Copper, Granular Lot# 027040-BL | | | | | | |

Prepared By: CMA
Date: 6/25/20
CAS 06/25/2020

Reviewed By: SG
Date: 06/25/2020

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060834 (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 | 6-8 | >11 |

Method 3546 digestion time and temperature achieved.

Initial: *Amk*

Witness: *ASJ 6-25-20*

Ⓢ = staining on turbovar tube both before and after hexane exchange (very heavy)

s = staining on turbovar tube after hexane exchange

p = precipitate formation after hexane exchange

E = Emulsion formed after acid cleanup

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0F29028

Instrument: DUALECD2F

Date: 06/29/20 06:21

Calibration: A0F2307

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|---------------|----------|------------------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0F29028-CCV1 | Sediment | QC | QC | | | | A20F129 |
| 2 | 0F29028-CCB1 | Sediment | QC | QC | | | | A20F379 |
| 3 | 0060834-BLK1 | Sediment | QC | QC | | 0060834 | | |
| 4 | 0060834-BS1 | Sediment | QC | QC | | 0060834 | | |
| 5 | A0F0647-01 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 07/08/20 | 0060834 | | |
| 6 | 0F29028-IBL1 | Sediment | QC | QC | | | | |
| 7 | A0F0647-02 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 07/08/20 | 0060834 | | |
| 8 | 0F29028-IBL2 | Sediment | QC | QC | | | | |
| 9 | A0F0647-03 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 07/08/20 | 0060834 | | |
| 10 | 0F29028-IBL3 | Sediment | QC | QC | | | | |
| 11 | 0060834-DUP1 | Sediment | QC | QC | | 0060834 | | |
| 12 | 0F29028-IBL4 | Sediment | QC | QC | | | | |
| 13 | A0F0626-05RE2 | Sediment | 8082 PCBs - Low Level (2mL FV) +12 | | 06/26/20 | 0060857 | | |
| 14 | 0F29028-IBL5 | Sediment | QC | QC | | | | |
| 15 | 0F29028-CCV2 | Sediment | QC | QC | | | | A20F129 |
| 16 | 0F29028-CCB2 | Sediment | QC | QC | | | | A20F379 |

Data Entered By/Date: KAK 6/29/2020

Comments: **Partial**

Data Reviewed By/Date: MKZ 6/30/2020

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.

0F29028-CCV1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 468.37 |
| 1016 (1) | 468.37 |
| 1016 (2) | 474.38 |
| 1016 (2) | 474.38 |
| 1016 (3) | 473.96 |
| 1016 (3) | 473.96 |
| 1016 (4) | 486.02 |
| 1016 (4) | 486.02 |
| 1016 (5) | 471.77 |
| 1016 (5) | 471.77 |
| 1016 (6) | 477.95 |
| 1016 (6) | 477.95 |
| Average: | 475.41 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 486.26 |
| 1260 (1) | 486.26 |
| 1260 (2) | 489.18 |
| 1260 (2) | 489.18 |
| 1260 (3) | 470.52 |
| 1260 (3) | 470.52 |
| 1260 (4) | 526.83 |
| 1260 (4) | 526.83 |
| 1260 (5) | 512.17 |
| 1260 (5) | 512.17 |
| 1260 (6) | 477.06 |
| 1260 (6) | 477.06 |
| Average: | 493.67 |

0060834-BS1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 825.88 |
| 1016 (2) | 898.27 |
| 1016 (3) | 852.91 |
| 1016 (4) | 898.56 |
| 1016 (5) | 875.00 |
| 1016 (6) | 860.29 |
| Average: | 868.49 |

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.

0060834-BS1

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 1,029.78 |
| 1260 (2) | 1,076.93 |
| 1260 (3) | 993.88 |
| 1260 (4) | 1,191.84 |
| 1260 (5) | 1,170.46 |
| 1260 (6) | 1,074.71 |
| Average: | 1,089.60 |

0F29028-CCV2

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 439.00 |
| 1016 (1) | 439.00 |
| 1016 (2) | 464.93 |
| 1016 (2) | 464.93 |
| 1016 (3) | 483.33 |
| 1016 (3) | 483.33 |
| 1016 (4) | 470.35 |
| 1016 (4) | 470.35 |
| 1016 (5) | 450.03 |
| 1016 (5) | 450.03 |
| 1016 (6) | 466.20 |
| 1016 (6) | 466.20 |
| Average: | 462.31 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 451.81 |
| 1260 (1) | 451.81 |
| 1260 (2) | 483.73 |
| 1260 (2) | 483.73 |
| 1260 (3) | 467.03 |
| 1260 (3) | 467.03 |
| 1260 (4) | 484.45 |
| 1260 (4) | 484.45 |
| 1260 (5) | 462.23 |
| 1260 (5) | 462.23 |
| 1260 (6) | 469.81 |
| 1260 (6) | 469.81 |
| Average: | 469.84 |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 7:21
 Operator : MJB / KAK
 Sample : 0F29028-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 6/29/2020

Integration File: PCB1.e
 Quant Time: Jun 29 15:08:25 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|----------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.882 | 39933563 | 281.160 ng/ml |
| 64) S DCBP (S) | 9.679 | 36338606 | 290.989 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.799 | 2243712 | 468.368 ng/ml |
| 3) Aroclor 1016 (2) | 6.213 | 4786881 | 474.378 ng/ml |
| 4) Aroclor 1016 (3) | 6.294 | 2552631 | 473.965 ng/ml |
| 5) Aroclor 1016 (4) | 6.452 | 1941677 | 486.025 ng/ml |
| 6) Aroclor 1016 (5) | 6.675 | 2424966 | 471.769 ng/ml |
| 7) Aroclor 1016 (6) | 6.802 | 1807469 | 477.954 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.237 | 920594 | 529.595 ng/ml |
| 10) Aroclor 1221 (2) | 5.357 | 294560 | 264.800 ng/ml |
| 11) Aroclor 1221 (3) | 5.439 | 1400880 | 386.949 ng/ml |
| 12) Aroclor 1221 (4) | 5.908 | 240710 | 410.968 ng/ml |
| 13) Aroclor 1221 (5) | 6.213 | 4786881 | 6834.199 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.439 | 1400880 | 462.040 ng/ml |
| 16) Aroclor 1232 (2) | 6.213 | 4786881 | 1217.435 ng/ml |
| 17) Aroclor 1232 (3) | 6.294 | 2552631 | 1169.932 ng/ml |
| 18) Aroclor 1232 (4) | 6.452 | 1941677 | 1505.648 ng/ml |
| 19) Aroclor 1232 (5) | 6.675 | 2424966 | 1326.274 ng/ml |
| 20) Aroclor 1232 (6) | 6.802 | 1807469 | 1175.217 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.799 | 2243712 | 640.471 ng/ml |
| 23) Aroclor 1242 (2) | 6.213 | 4786881 | 638.023 ng/ml |
| 24) Aroclor 1242 (3) | 6.294 | 2552631 | 642.196 ng/ml |
| 25) Aroclor 1242 (4) | 6.452 | 1941677 | 742.368 ng/ml |
| 26) Aroclor 1242 (5) | 6.675 | 2424966 | 647.143 ng/ml |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 7:21
 Operator : MJB / KAK
 Sample : 0F29028-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:08:25 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|----------------|
| 27) Aroclor 1242 (6) | 6.802 | 1807469 | 551.533 ng/ml |
| 28) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (1) | 6.213 | 4786881 | 1035.220 ng/ml |
| 30) Aroclor 1248 (2) | 6.452 | 1941677 | 387.171 ng/ml |
| 31) Aroclor 1248 (3) | 6.675 | 2424966 | 396.853 ng/ml |
| 32) Aroclor 1248 (4) | 6.969 | 471361 | 64.333 ng/ml |
| 33) Aroclor 1248 (5) | 7.004 | 1674728 | 212.613 ng/ml |
| 34) Aroclor 1248 (6) | 7.493 | 3269070 | 831.184 ng/ml |
| 35) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (1) | 7.004 | 1674728 | 237.277 ng/ml |
| 37) Aroclor 1254 (2) | 7.114 | 1673864 | 196.087 ng/ml |
| 38) Aroclor 1254 (3) | 7.493 | 3269070 | 241.222 ng/ml |
| 39) Aroclor 1254 (4) | 7.651 | 530043 | 57.251 ng/ml |
| 40) Aroclor 1254 (5) | 8.033 | 4854608 | 525.793 ng/ml |
| 41) Aroclor 1254 (6) | 8.327 | 554252 | 184.519 ng/ml |
| 42) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) Aroclor 1260 (1) | 7.606 | 4668533 | 486.262 ng/ml |
| 44) Aroclor 1260 (2) | 7.738 | 5795785 | 489.179 ng/ml |
| 45) Aroclor 1260 (3) | 8.297 | 4364998 | 470.516 ng/ml |
| 46) Aroclor 1260 (4) | 8.466 | 11520220 | 526.830 ng/ml |
| 47) Aroclor 1260 (5) | 8.767 | 7354339 | 512.170 ng/ml |
| 48) Aroclor 1260 (6) | 9.164 | 2835266 | 477.060 ng/ml |
| 49) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (1) | 7.738 | 5795785 | 638.874 ng/ml |
| 51) Aroclor 1262 (2) | 8.063 | 4293534 | 337.090 ng/ml |
| 52) Aroclor 1262 (3) | 8.297 | 4364998 | 392.205 ng/ml |
| 53) Aroclor 1262 (4) | 8.466 | 11520220 | 482.142 ng/ml |
| 54) Aroclor 1262 (5) | 8.767 | 7354339 | 507.799 ng/ml |
| 55) Aroclor 1262 (6) | 9.164 | 2835266 | 371.300 ng/ml |
| 56) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (1) | 8.297 | 4364998 | 765.038 ng/ml |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 7:21
 Operator : MJB / KAK
 Sample : 0F29028-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:08:25 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2) | 8.715 | 2433273 | 87.701 ng/ml |
| 59) | Aroclor 1268 (3) | 8.767 | 7354339 | 312.307 ng/ml |
| 60) | Aroclor 1268 (4) | 8.945 | 242208 | 11.243 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 2835266 | 335.909 ng/ml |
| 62) | Aroclor 1268 (6) | 9.433 | 830379 | 12.883 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

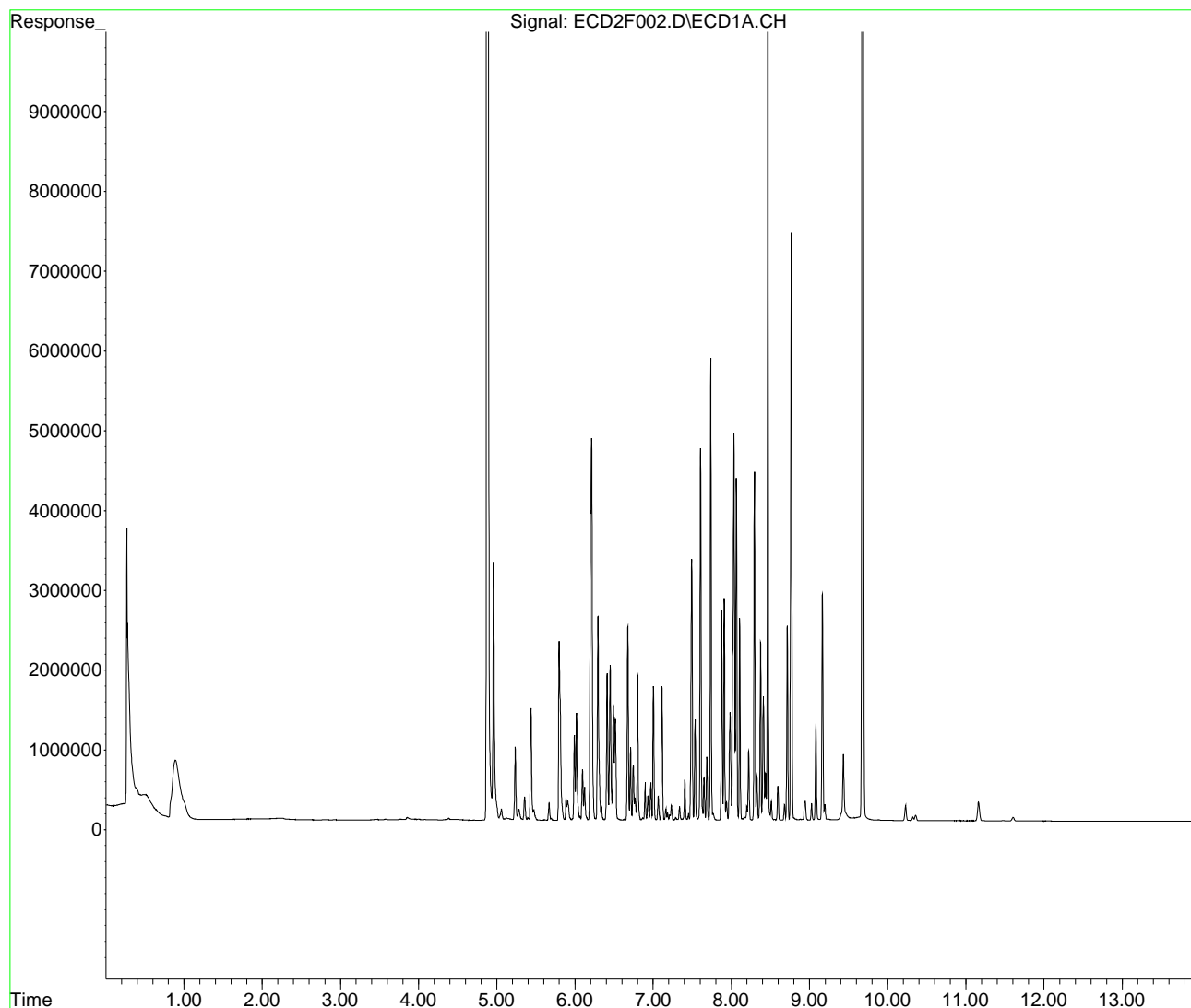
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F29028-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:08:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 7:39
 Operator : MJB / KAK
 Sample : 0F29028-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 6/29/2020

Clean

Integration File: PCB1.e
 Quant Time: Jun 29 15:08:46 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.880 | 14054742 | 98.955 ng/ml |
| 64) S DCBP (S) | 9.679 | 13134748 | 105.179 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.799 | 798 | 0.167 ng/ml |
| 3) Aroclor 1016 (2) | 6.195 | 801 | 0.079 ng/ml |
| 4) Aroclor 1016 (3) | 6.292 | 668 | 0.124 ng/ml |
| 5) Aroclor 1016 (4) | 6.454 | 862 | 0.216 ng/ml |
| 6) Aroclor 1016 (5) | 6.662 | 322 | 0.063 ng/ml |
| 7) Aroclor 1016 (6) | 6.807 | 995 | 0.263 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.234 | 276687 | 159.171 ng/ml |
| 10) Aroclor 1221 (2) | 5.386 | 1657 | 1.490 ng/ml |
| 11) Aroclor 1221 (3) | 5.431 | 5353 | 1.479 ng/ml |
| 12) Aroclor 1221 (4) | 5.897 | 1696 | 2.895 ng/ml |
| 13) Aroclor 1221 (5) | 6.195 | 801 | 1.144 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.431 | 5353 | 1.765 ng/ml |
| 16) Aroclor 1232 (2) | 6.195 | 801 | 0.204 ng/ml |
| 17) Aroclor 1232 (3) | 6.292 | 668 | 0.306 ng/ml |
| 18) Aroclor 1232 (4) | 6.454 | 862 | 0.669 ng/ml |
| 19) Aroclor 1232 (5) | 6.662 | 322 | 0.176 ng/ml |
| 20) Aroclor 1232 (6) | 6.807 | 995 | 0.647 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.799 | 798 | 0.228 ng/ml |
| 23) Aroclor 1242 (2) | 6.195 | 801 | 0.107 ng/ml |
| 24) Aroclor 1242 (3) | 6.292 | 668 | 0.168 ng/ml |
| 25) Aroclor 1242 (4) | 6.454 | 862 | 0.330 ng/ml |
| 26) Aroclor 1242 (5) | 6.662 | 322 | 0.086 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 7:39
 Operator : MJB / KAK
 Sample : 0F29028-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:08:46 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6) | 6.807 | 995 | 0.304 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.195 | 801 | 0.173 ng/ml |
| 30) | Aroclor 1248 (2) | 6.454 | 862 | 0.172 ng/ml |
| 31) | Aroclor 1248 (3) | 6.662 | 322 | 0.053 ng/ml |
| 32) | Aroclor 1248 (4) | 6.987 | 1872 | 0.256 ng/ml |
| 33) | Aroclor 1248 (5) | 7.014 | 2989 | 0.379 ng/ml |
| 34) | Aroclor 1248 (6) | 7.474 | 4336 | 1.102 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 7.014 | 2989 | 0.424 ng/ml |
| 37) | Aroclor 1254 (2) | 7.114 | 4866 | 0.570 ng/ml |
| 38) | Aroclor 1254 (3) | 7.495 | 5025 | 0.371 ng/ml |
| 39) | Aroclor 1254 (4) | 7.653 | 4478 | 0.484 ng/ml |
| 40) | Aroclor 1254 (5) | 8.044 | 8980 | 0.973 ng/ml |
| 41) | Aroclor 1254 (6) | 8.325 | 6922 | 2.304 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.605 | 4943 | 0.515 ng/ml |
| 44) | Aroclor 1260 (2) | 7.739 | 5883 | 0.497 ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 8402 | 0.906 ng/ml |
| 46) | Aroclor 1260 (4) | 8.464 | 14853 | 0.679 ng/ml |
| 47) | Aroclor 1260 (5) | 8.768 | 8948 | 0.623 ng/ml |
| 48) | Aroclor 1260 (6) | 9.165 | 12319 | 2.073 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.739 | 5883 | 0.648 ng/ml |
| 51) | Aroclor 1262 (2) | 8.044 | 8980 | 0.705 ng/ml |
| 52) | Aroclor 1262 (3) | 8.296 | 8402 | 0.755 ng/ml |
| 53) | Aroclor 1262 (4) | 8.464 | 14853 | 0.622 ng/ml |
| 54) | Aroclor 1262 (5) | 8.768 | 8948 | 0.618 ng/ml |
| 55) | Aroclor 1262 (6) | 9.165 | 12319 | 1.613 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.296 | 8402 | 1.473 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 7:39
 Operator : MJB / KAK
 Sample : 0F29028-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:08:46 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2) | 8.714 | 6785 | 0.245 ng/ml |
| 59) | Aroclor 1268 (3) | 8.768 | 8948 | 0.380 ng/ml |
| 60) | Aroclor 1268 (4) | 8.948 | 61671 | 2.863 ng/ml |
| 61) | Aroclor 1268 (5) | 9.165 | 12319 | 1.460 ng/ml |
| 62) | Aroclor 1268 (6) | 9.433 | 55952 | 0.868 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

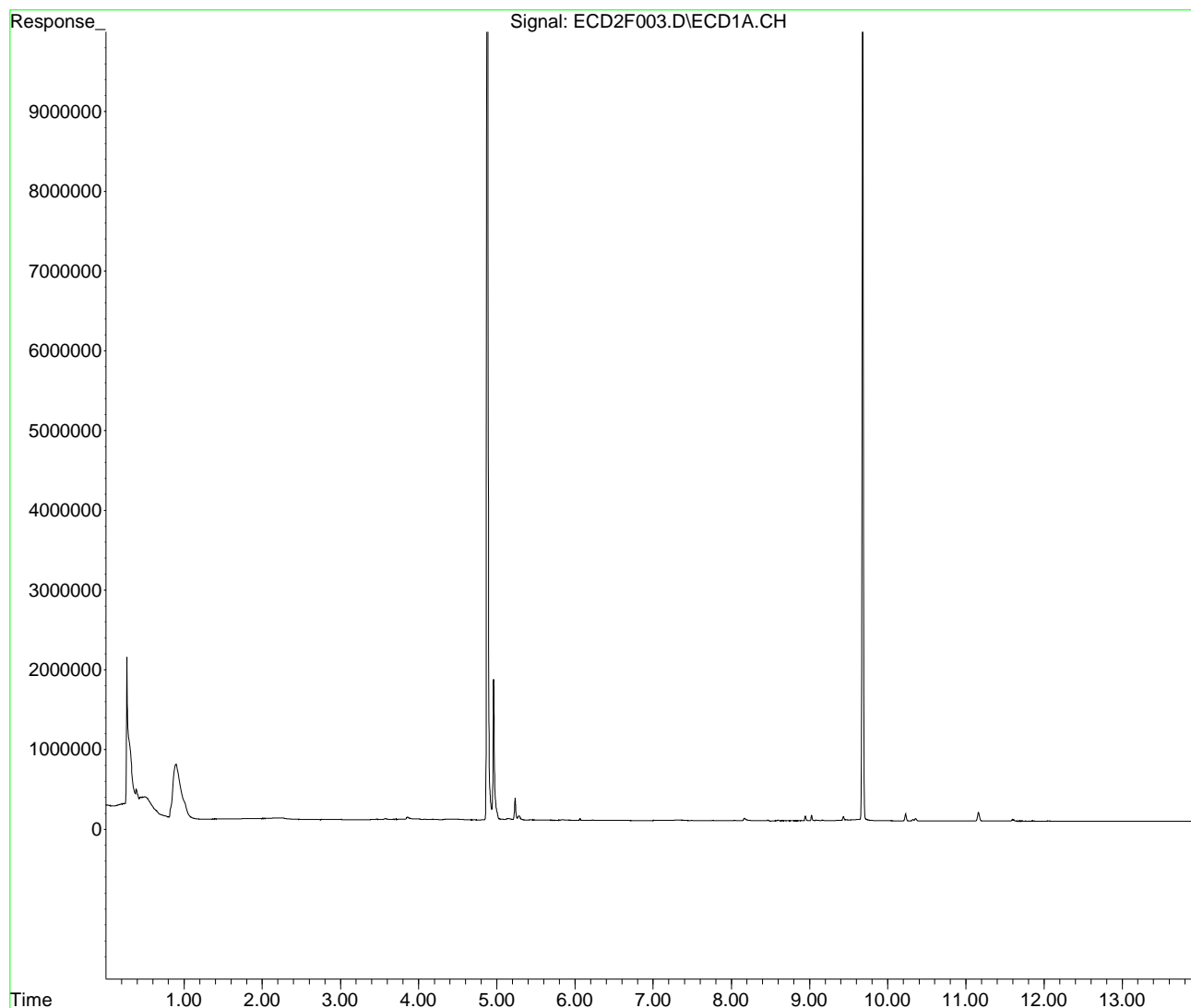
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 7:39
Operator : MJB / KAK
Sample : 0F29028-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:08:46 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 8:03
 Operator : MJB / KAK
 Sample : 0060834-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

KAK 6/29/2020

Clean

Integration File: PCB1.e
 Quant Time: Jun 29 15:09:07 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.884 | 27376116 | 192.747 ng/ml |
| 64) S DCBP (S) | 9.683 | 31834030 | 254.917 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.788 | 6524 | 1.362 ng/ml |
| 3) Aroclor 1016 (2) | 6.205 | 7542 | 0.747 ng/ml |
| 4) Aroclor 1016 (3) | 6.290 | 5814 | 1.079 ng/ml |
| 5) Aroclor 1016 (4) | 6.454 | 6578 | 1.647 ng/ml |
| 6) Aroclor 1016 (5) | 6.678 | 935 | 0.182 ng/ml |
| 7) Aroclor 1016 (6) | 6.809 | 2046 | 0.541 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.239 | 519984 | 299.134 ng/ml |
| 10) Aroclor 1221 (2) | 5.329 | 16671 | 14.987 ng/ml |
| 11) Aroclor 1221 (3) | 5.429 | 17371 | 4.798 ng/ml |
| 12) Aroclor 1221 (4) | 5.885 | 7276 | 12.422 ng/ml |
| 13) Aroclor 1221 (5) | 6.205 | 7542 | 10.768 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.429 | 17371 | 5.729 ng/ml |
| 16) Aroclor 1232 (2) | 6.205 | 7542 | 1.918 ng/ml |
| 17) Aroclor 1232 (3) | 6.290 | 5814 | 2.665 ng/ml |
| 18) Aroclor 1232 (4) | 6.454 | 6578 | 5.101 ng/ml |
| 19) Aroclor 1232 (5) | 6.678 | 935 | 0.511 ng/ml |
| 20) Aroclor 1232 (6) | 6.809 | 2046 | 1.330 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.788 | 6524 | 1.862 ng/ml |
| 23) Aroclor 1242 (2) | 6.205 | 7542 | 1.005 ng/ml |
| 24) Aroclor 1242 (3) | 6.290 | 5814 | 1.463 ng/ml |
| 25) Aroclor 1242 (4) | 6.454 | 6578 | 2.515 ng/ml |
| 26) Aroclor 1242 (5) | 6.678 | 935 | 0.249 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 8:03
 Operator : MJB / KAK
 Sample : 0060834-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:09:07 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6) | 6.809 | 2046 | 0.624 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.205 | 7542 | 1.631 ng/ml |
| 30) | Aroclor 1248 (2) | 6.454 | 6578 | 1.312 ng/ml |
| 31) | Aroclor 1248 (3) | 6.678 | 935 | 0.153 ng/ml |
| 32) | Aroclor 1248 (4) | 6.965 | 243 | 0.033 ng/ml |
| 33) | Aroclor 1248 (5) | 7.011 | 2670 | 0.339 ng/ml |
| 34) | Aroclor 1248 (6) | 7.495 | 5556 | 1.413 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 7.011 | 2670 | 0.378 ng/ml |
| 37) | Aroclor 1254 (2) | 7.101 | 4473 | 0.524 ng/ml |
| 38) | Aroclor 1254 (3) | 7.495 | 5556 | 0.410 ng/ml |
| 39) | Aroclor 1254 (4) | 7.646 | 3138 | 0.339 ng/ml |
| 40) | Aroclor 1254 (5) | 8.021 | 3529 | 0.382 ng/ml |
| 41) | Aroclor 1254 (6) | 8.333 | 3281 | 1.092 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.608 | 4273 | 0.445 ng/ml |
| 44) | Aroclor 1260 (2) | 7.739 | 5402 | 0.456 ng/ml |
| 45) | Aroclor 1260 (3) | 8.300 | 4462 | 0.481 ng/ml |
| 46) | Aroclor 1260 (4) | 8.466 | 21335 | 0.976 ng/ml |
| 47) | Aroclor 1260 (5) | 8.770 | 7837 | 0.546 ng/ml |
| 48) | Aroclor 1260 (6) | 9.168 | 15485 | 2.605 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.739 | 5402 | 0.596 ng/ml |
| 51) | Aroclor 1262 (2) | 8.050 | 12902 | 1.013 ng/ml |
| 52) | Aroclor 1262 (3) | 8.300 | 4462 | 0.401 ng/ml |
| 53) | Aroclor 1262 (4) | 8.466 | 21335 | 0.893 ng/ml |
| 54) | Aroclor 1262 (5) | 8.770 | 7837 | 0.541 ng/ml |
| 55) | Aroclor 1262 (6) | 9.168 | 15485 | 2.028 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.300 | 4462 | 0.782 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 8:03
 Operator : MJB / KAK
 Sample : 0060834-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:09:07 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2) | 8.718 | 4073 | 0.147 ng/ml |
| 59) | Aroclor 1268 (3) | 8.770 | 7837 | 0.333 ng/ml |
| 60) | Aroclor 1268 (4) | 8.950 | 105642 | 4.904 ng/ml |
| 61) | Aroclor 1268 (5) | 9.168 | 15485 | 1.835 ng/ml |
| 62) | Aroclor 1268 (6) | 9.438 | 89407 | 1.387 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

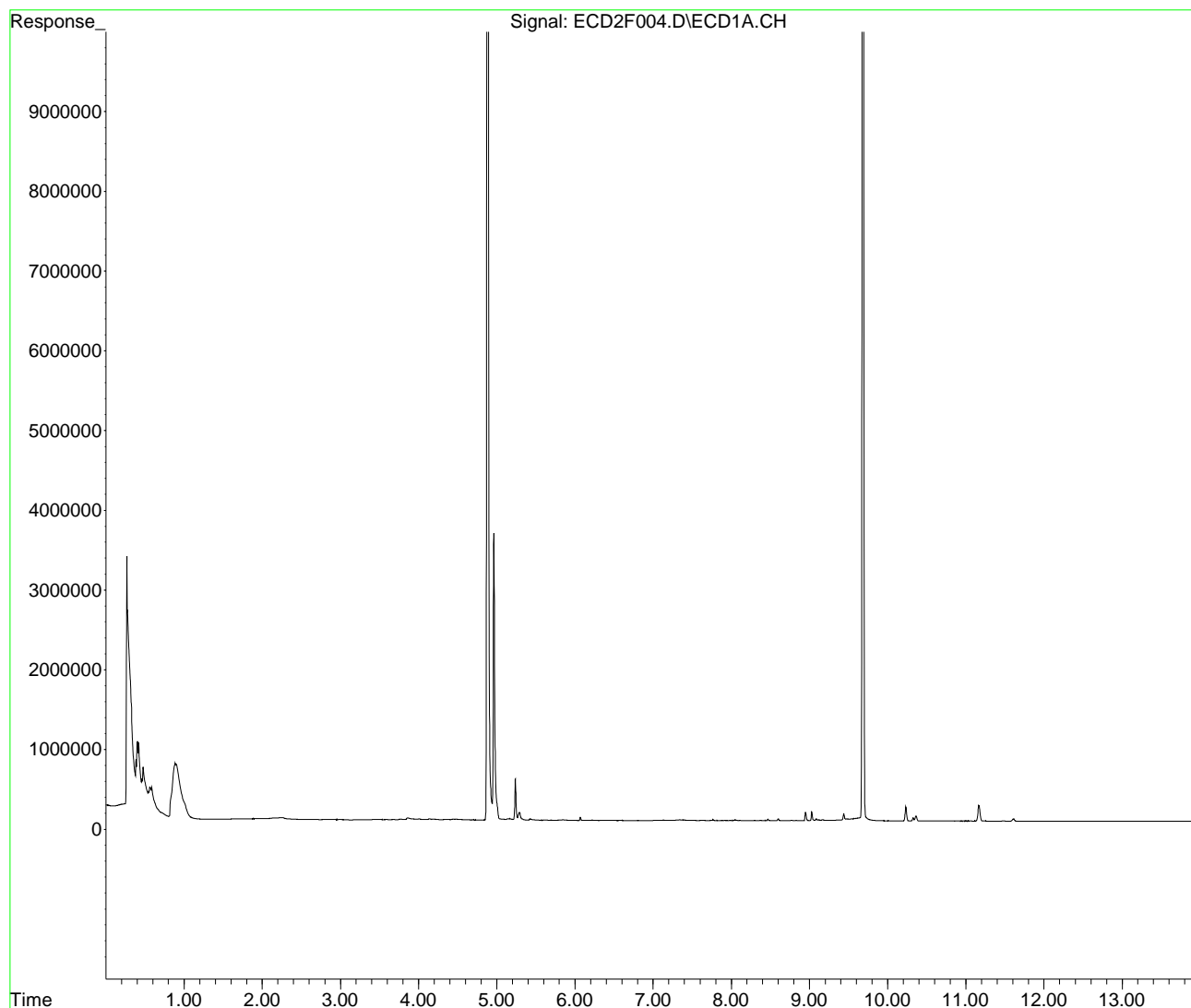
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 8:03
Operator : MJB / KAK
Sample : 0060834-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:09:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 8:20
 Operator : MJB / KAK
 Sample : 0060834-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

KAK 6/29/2020

Integration File: PCB1.e
 Quant Time: Jun 29 15:09:28 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|-----------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.881 | 27173054 | 191.317 ng/ml |
| 64) S DCBP (S) | 9.680 | 33043634 | 264.603 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.799 | 3956359 | 825.877 ng/ml |
| 3) Aroclor 1016 (2) | 6.213 | 9064339 | 898.272 ng/ml |
| 4) Aroclor 1016 (3) | 6.294 | 4593512 | 852.910 ng/ml |
| 5) Aroclor 1016 (4) | 6.453 | 3589749 | 898.556 ng/ml |
| 6) Aroclor 1016 (5) | 6.675 | 4497634 | 874.999 ng/ml |
| 7) Aroclor 1016 (6) | 6.802 | 3253351 | 860.292 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.237 | 887095 | 510.324 ng/ml |
| 10) Aroclor 1221 (2) | 5.358 | 482626 | 433.865 ng/ml |
| 11) Aroclor 1221 (3) | 5.438 | 2290052 | 632.555 ng/ml |
| 12) Aroclor 1221 (4) | 5.908 | 390608 | 666.890 ng/ml |
| 13) Aroclor 1221 (5) | 6.213 | 9064339 | 12941.097 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.438 | 2290052 | 755.308 ng/ml |
| 16) Aroclor 1232 (2) | 6.213 | 9064339 | 2305.309 ng/ml |
| 17) Aroclor 1232 (3) | 6.294 | 4593512 | 2105.317 ng/ml |
| 18) Aroclor 1232 (4) | 6.453 | 3589749 | 2783.623 ng/ml |
| 19) Aroclor 1232 (5) | 6.675 | 4497634 | 2459.867 ng/ml |
| 20) Aroclor 1232 (6) | 6.802 | 3253351 | 2115.330 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.799 | 3956359 | 1129.349 ng/ml |
| 23) Aroclor 1242 (2) | 6.213 | 9064339 | 1208.146 ng/ml |
| 24) Aroclor 1242 (3) | 6.294 | 4593512 | 1155.645 ng/ml |
| 25) Aroclor 1242 (4) | 6.453 | 3589749 | 1372.481 ng/ml |
| 26) Aroclor 1242 (5) | 6.675 | 4497634 | 1200.270 ng/ml |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 8:20
 Operator : MJB / KAK
 Sample : 0060834-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:09:28 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|----------------|
| 27) Aroclor 1242 (6) | 6.802 | 3253351 | 992.731 ng/ml |
| 28) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (1) | 6.213 | 9064339 | 1960.270 ng/ml |
| 30) Aroclor 1248 (2) | 6.453 | 3589749 | 715.798 ng/ml |
| 31) Aroclor 1248 (3) | 6.675 | 4497634 | 736.050 ng/ml |
| 32) Aroclor 1248 (4) | 6.969 | 885954 | 120.918 ng/ml |
| 33) Aroclor 1248 (5) | 7.005 | 3226503 | 409.616 ng/ml |
| 34) Aroclor 1248 (6) | 7.493 | 7008235 | 1781.894 ng/ml |
| 35) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (1) | 7.005 | 3226503 | 457.134 ng/ml |
| 37) Aroclor 1254 (2) | 7.114 | 3317837 | 388.672 ng/ml |
| 38) Aroclor 1254 (3) | 7.493 | 7008235 | 517.131 ng/ml |
| 39) Aroclor 1254 (4) | 7.651 | 1096438 | 118.429 ng/ml |
| 40) Aroclor 1254 (5) | 8.034 | 10477582 | 1134.806 ng/ml |
| 41) Aroclor 1254 (6) | 8.326 | 1025861 | 341.525 ng/ml |
| 42) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) Aroclor 1260 (1) | 7.606 | 9886782 | 1029.780 ng/ml |
| 44) Aroclor 1260 (2) | 7.738 | 12759451 | 1076.931 ng/ml |
| 45) Aroclor 1260 (3) | 8.297 | 9220280 | 993.882 ng/ml |
| 46) Aroclor 1260 (4) | 8.467 | 26061946 | 1191.836 ng/ml |
| 47) Aroclor 1260 (5) | 8.767 | 16806817 | 1170.459 ng/ml |
| 48) Aroclor 1260 (6) | 9.165 | 6387236 | 1074.712 ng/ml |
| 49) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (1) | 7.738 | 12759451 | 1406.484 ng/ml |
| 51) Aroclor 1262 (2) | 8.063 | 9582253 | 752.312 ng/ml |
| 52) Aroclor 1262 (3) | 8.297 | 9220280 | 828.464 ng/ml |
| 53) Aroclor 1262 (4) | 8.467 | 26061946 | 1090.740 ng/ml |
| 54) Aroclor 1262 (5) | 8.767 | 16806817 | 1160.470 ng/ml |
| 55) Aroclor 1262 (6) | 9.165 | 6387236 | 836.458 ng/ml |
| 56) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (1) | 8.297 | 9220280 | 1616.007 ng/ml |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 8:20
 Operator : MJB / KAK
 Sample : 0060834-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:09:28 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2) | 8.715 | 5492396 | 197.960 ng/ml |
| 59) | Aroclor 1268 (3) | 8.767 | 16806817 | 713.712 ng/ml |
| 60) | Aroclor 1268 (4) | 8.938 | 432733 | 20.086 ng/ml |
| 61) | Aroclor 1268 (5) | 9.165 | 6387236 | 756.731 ng/ml |
| 62) | Aroclor 1268 (6) | 9.433 | 1536222 | 23.835 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

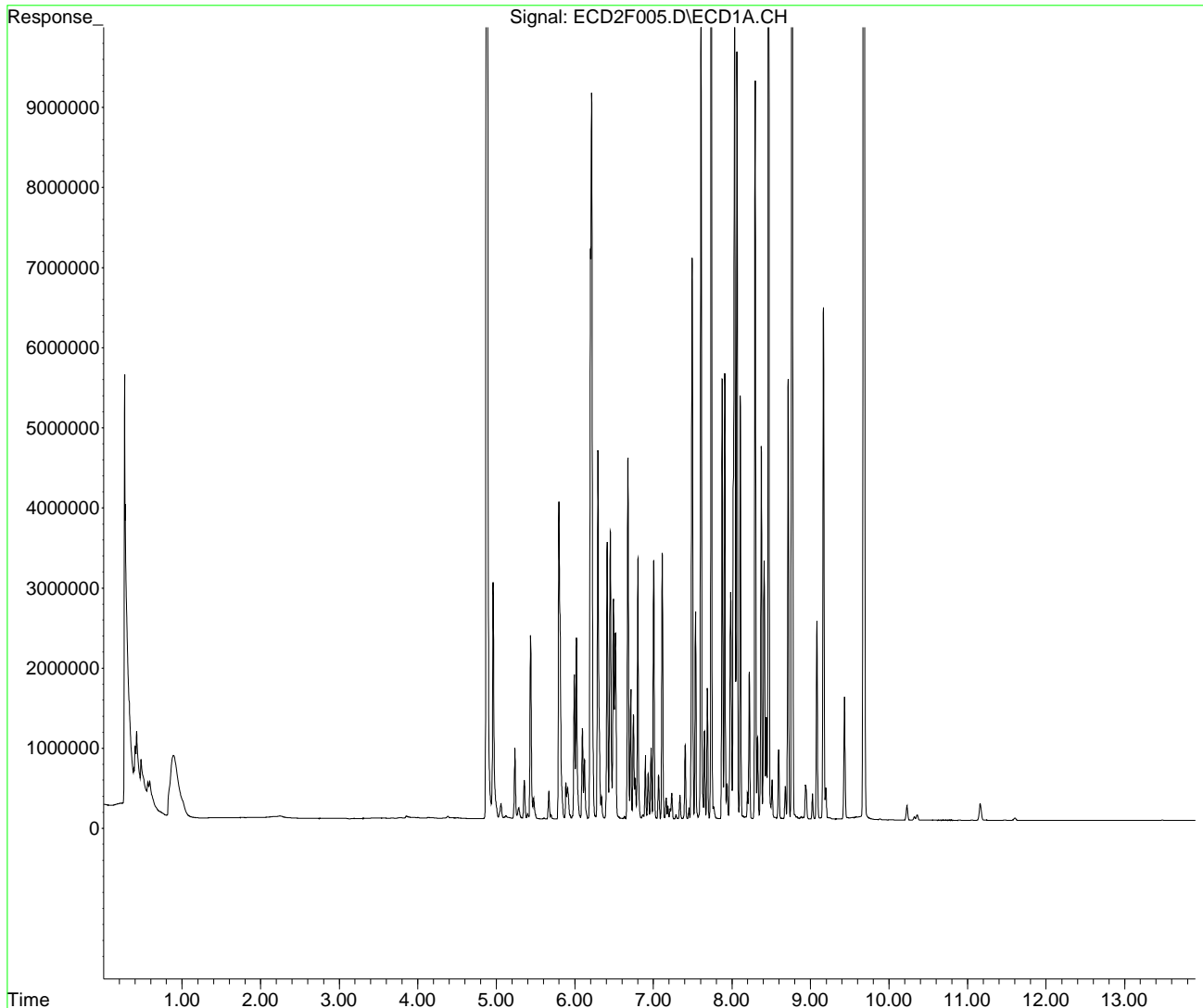
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 8:20
Operator : MJB / KAK
Sample : 0060834-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:09:28 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 8:38
 Operator : MJB / KAK
 Sample : A0F0647-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

KAK 6/29/2020

1254 P-10
 1260 P-10

Integration File: PCB1.e
 Quant Time: Jun 29 15:09:47 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units | |
|-----------------------------|-------|----------|---------------|------|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.883 | 20454941 | 144.017 ng/ml | |
| 64) S DCBP (S) | 9.680 | 17552515 | 140.555 ng/ml | |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.802 | 83712 | 17.475 ng/ml | |
| 3) Aroclor 1016 (2) | 6.213 | 212679 | 21.076 ng/ml | |
| 4) Aroclor 1016 (3) | 6.295 | 98731 | 18.332 ng/ml | |
| 5) Aroclor 1016 (4) | 6.454 | 279068 | 69.854 ng/ml | R-02 |
| 6) Aroclor 1016 (5) | 6.680 | 374795 | 72.915 ng/ml | |
| 7) Aroclor 1016 (6) | 6.803 | 165910 | 43.872 ng/ml | |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 9) Aroclor 1221 (1) | 5.237 | 347693 | 200.019 ng/ml | |
| 10) Aroclor 1221 (2) | 5.352 | 25198 | 22.652 ng/ml | |
| 11) Aroclor 1221 (3) | 5.426 | 308132 | 85.112 ng/ml | |
| 12) Aroclor 1221 (4) | 5.917 | 51582 | 88.066 ng/ml | R-02 |
| 13) Aroclor 1221 (5) | 6.213 | 212679 | 303.641 ng/ml | |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 15) Aroclor 1232 (1) | 5.426 | 308132 | 101.628 ng/ml | |
| 16) Aroclor 1232 (2) | 6.213 | 212679 | 54.090 ng/ml | |
| 17) Aroclor 1232 (3) | 6.295 | 98731 | 45.251 ng/ml | |
| 18) Aroclor 1232 (4) | 6.454 | 279068 | 216.400 ng/ml | R-02 |
| 19) Aroclor 1232 (5) | 6.680 | 374795 | 204.985 ng/ml | |
| 20) Aroclor 1232 (6) | 6.803 | 165910 | 107.875 ng/ml | |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 22) Aroclor 1242 (1) | 5.802 | 83712 | 23.896 ng/ml | |
| 23) Aroclor 1242 (2) | 6.213 | 212679 | 28.347 ng/ml | |
| 24) Aroclor 1242 (3) | 6.295 | 98731 | 24.839 ng/ml | R-02 |
| 25) Aroclor 1242 (4) | 6.454 | 279068 | 106.697 ng/ml | |
| 26) Aroclor 1242 (5) | 6.680 | 374795 | 100.021 ng/ml | |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 8:38
 Operator : MJB / KAK
 Sample : A0F0647-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:09:47 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units | |
|-----|--------------------|-------|----------|---------------|--------|
| 27) | Aroclor 1242 (6) | 6.803 | 165910 | 50.626 ng/ml | |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 29) | Aroclor 1248 (1) | 6.213 | 212679 | 45.994 ng/ml | |
| 30) | Aroclor 1248 (2) | 6.454 | 279068 | 55.646 ng/ml | |
| 31) | Aroclor 1248 (3) | 6.680 | 374795 | 61.336 ng/ml | R-02 |
| 32) | Aroclor 1248 (4) | 6.973 | 305269 | 41.664 ng/ml | |
| 33) | Aroclor 1248 (5) | 7.008 | 498097 | 63.235 ng/ml | |
| 34) | Aroclor 1248 (6) | 7.489 | 604261 | 153.638 ng/ml | |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 36) | Aroclor 1254 (1) | 7.008 | 498097 | 70.571 ng/ml | |
| 37) | Aroclor 1254 (2) | 7.117 | 471500 | 55.234 ng/ml | |
| 38) | Aroclor 1254 (3) | 7.489 | 604261 | 44.588 ng/ml | |
| 39) | Aroclor 1254 (4) | 7.652 | 334925 | 36.176 ng/ml | 44.381 |
| 40) | Aroclor 1254 (5) | 8.034 | 662855 | 71.792 ng/ml | |
| 41) | Aroclor 1254 (6) | 8.328 | 124733 | 41.526 ng/ml | |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 43) | Aroclor 1260 (1) | 7.606 | 540966 | 56.346 ng/ml | |
| 44) | Aroclor 1260 (2) | 7.739 | 728165 | 61.459 ng/ml | |
| 45) | Aroclor 1260 (3) | 8.297 | 303485 | 32.714 ng/ml | |
| 46) | Aroclor 1260 (4) | 8.467 | 773853 | 35.389 ng/ml | |
| 47) | Aroclor 1260 (5) | 8.768 | 534841 | 37.247 ng/ml | 34.467 |
| 48) | Aroclor 1260 (6) | 9.166 | 193254 | 32.517 ng/ml | |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 50) | Aroclor 1262 (1) | 7.739 | 728165 | 80.266 ng/ml | |
| 51) | Aroclor 1262 (2) | 8.064 | 337131 | 26.469 ng/ml | |
| 52) | Aroclor 1262 (3) | 8.297 | 303485 | 27.269 ng/ml | |
| 53) | Aroclor 1262 (4) | 8.467 | 773853 | 32.387 ng/ml | |
| 54) | Aroclor 1262 (5) | 8.768 | 534841 | 36.930 ng/ml | |
| 55) | Aroclor 1262 (6) | 9.166 | 193254 | 25.308 ng/ml | |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 57) | Aroclor 1268 (1) | 8.297 | 303485 | 53.191 ng/ml | |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 8:38
 Operator : MJB / KAK
 Sample : A0F0647-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:09:47 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|--------------|
| 58) | Aroclor 1268 (2) | 8.716 | 185893 | 6.700 ng/ml |
| 59) | Aroclor 1268 (3) | 8.768 | 534841 | 22.712 ng/ml |
| 60) | Aroclor 1268 (4) | 8.947 | 75562 | 3.507 ng/ml |
| 61) | Aroclor 1268 (5) | 9.166 | 193254 | 22.896 ng/ml |
| 62) | Aroclor 1268 (6) | 9.434 | 115048 | 1.785 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

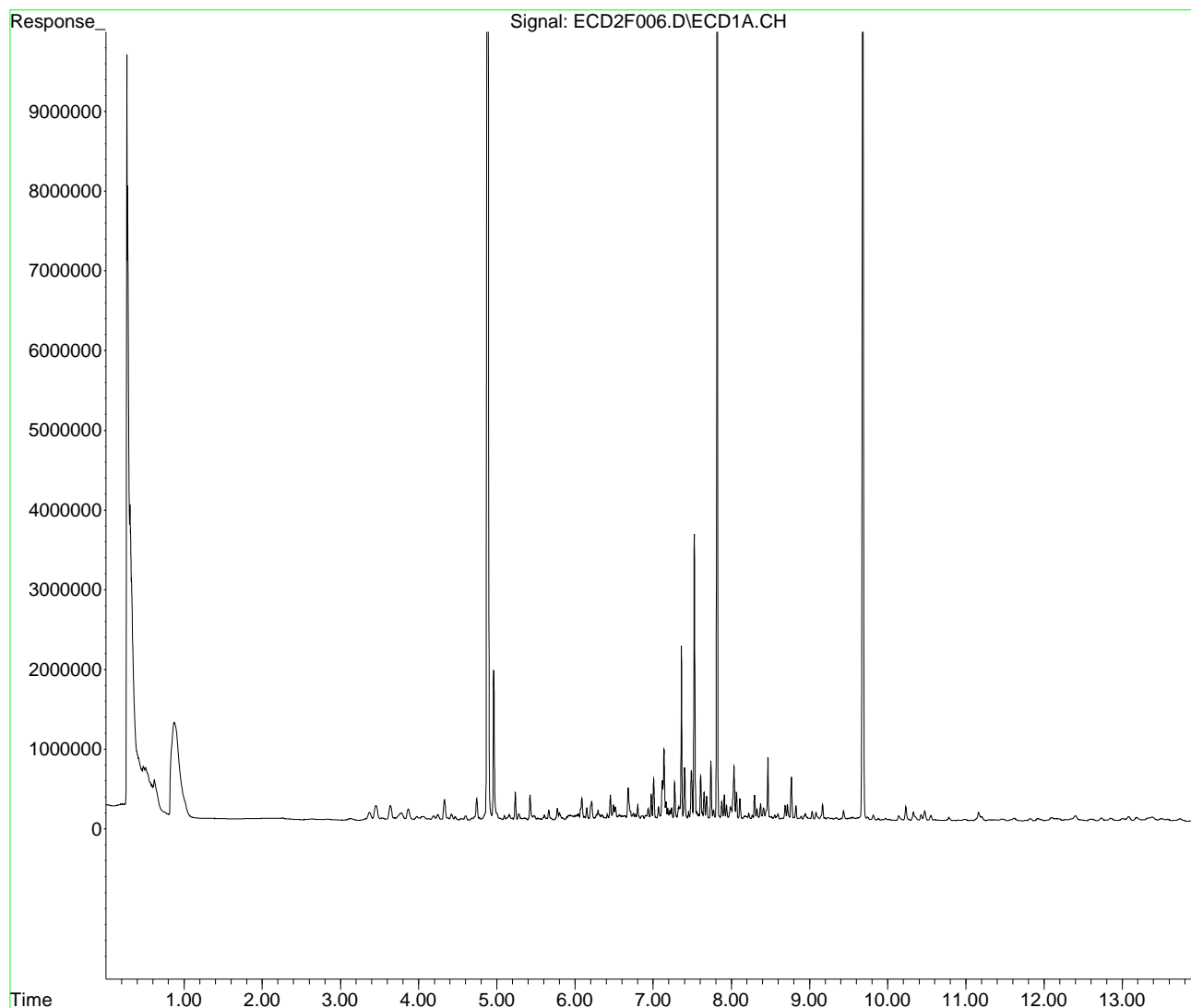
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 8:38
Operator : MJB / KAK
Sample : A0F0647-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:09:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 9:13
 Operator : MJB / KAK
 Sample : A0F0647-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

KAK 6/29/2020

Integration File: PCB1.e
 Quant Time: Jun 29 15:10:08 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.881 | 21807456 | 153.540 ng/ml |
| 64) S DCBP (S) | 9.679 | 20333293 | 162.823 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.800 | 24369 | 5.087 ng/ml |
| 3) Aroclor 1016 (2) | 6.213 | 77624 | 7.693 ng/ml |
| 4) Aroclor 1016 (3) | 6.295 | 39387 | 7.313 ng/ml |
| 5) Aroclor 1016 (4) | 6.453 | 41800 | 10.463 ng/ml |
| 6) Aroclor 1016 (5) | 6.676 | 30109 | 5.858 ng/ml |
| 7) Aroclor 1016 (6) | 6.802 | 22128 | 5.851 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.235 | 363259 | 208.974 ng/ml |
| 10) Aroclor 1221 (2) | 5.354 | 1305 | 1.173 ng/ml |
| 11) Aroclor 1221 (3) | 5.425 | 41018 | 11.330 ng/ml |
| 12) Aroclor 1221 (4) | 5.910 | 8423 | 14.381 ng/ml |
| 13) Aroclor 1221 (5) | 6.213 | 77624 | 110.824 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.425 | 41018 | 13.528 ng/ml |
| 16) Aroclor 1232 (2) | 6.213 | 77624 | 19.742 ng/ml |
| 17) Aroclor 1232 (3) | 6.295 | 39387 | 18.052 ng/ml |
| 18) Aroclor 1232 (4) | 6.453 | 41800 | 32.414 ng/ml |
| 19) Aroclor 1232 (5) | 6.676 | 30109 | 16.468 ng/ml |
| 20) Aroclor 1232 (6) | 6.802 | 22128 | 14.387 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.800 | 24369 | 6.956 ng/ml |
| 23) Aroclor 1242 (2) | 6.213 | 77624 | 10.346 ng/ml |
| 24) Aroclor 1242 (3) | 6.295 | 39387 | 9.909 ng/ml |
| 25) Aroclor 1242 (4) | 6.453 | 41800 | 15.982 ng/ml |
| 26) Aroclor 1242 (5) | 6.676 | 30109 | 8.035 ng/ml |

MDL=MRL

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 9:13
 Operator : MJB / KAK
 Sample : A0F0647-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:10:08 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|--------------|
| 27) | Aroclor 1242 (6) | 6.802 | 22128 | 6.752 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.213 | 77624 | 16.787 ng/ml |
| 30) | Aroclor 1248 (2) | 6.453 | 41800 | 8.335 ng/ml |
| 31) | Aroclor 1248 (3) | 6.676 | 30109 | 4.927 ng/ml |
| 32) | Aroclor 1248 (4) | 6.972 | 35201 | 4.804 ng/ml |
| 33) | Aroclor 1248 (5) | 7.008 | 57677 | 7.322 ng/ml |
| 34) | Aroclor 1248 (6) | 7.487 | 56698 | 14.416 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 7.008 | 57677 | 8.172 ng/ml |
| 37) | Aroclor 1254 (2) | 7.086 | 23923 | 2.802 ng/ml |
| 38) | Aroclor 1254 (3) | 7.487 | 56698 | 4.184 ng/ml |
| 39) | Aroclor 1254 (4) | 7.653 | 36300 | 3.921 ng/ml |
| 40) | Aroclor 1254 (5) | 8.033 | 59619 | 6.457 ng/ml |
| 41) | Aroclor 1254 (6) | 8.326 | 15227 | 5.069 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.605 | 50317 | 5.241 ng/ml |
| 44) | Aroclor 1260 (2) | 7.739 | 79099 | 6.676 ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 33150 | 3.573 ng/ml |
| 46) | Aroclor 1260 (4) | 8.464 | 87049 | 3.981 ng/ml |
| 47) | Aroclor 1260 (5) | 8.766 | 67226 | 4.682 ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 30538 | 5.138 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.739 | 79099 | 8.719 ng/ml |
| 51) | Aroclor 1262 (2) | 8.063 | 36682 | 2.880 ng/ml |
| 52) | Aroclor 1262 (3) | 8.296 | 33150 | 2.979 ng/ml |
| 53) | Aroclor 1262 (4) | 8.464 | 87049 | 3.643 ng/ml |
| 54) | Aroclor 1262 (5) | 8.766 | 67226 | 4.642 ng/ml |
| 55) | Aroclor 1262 (6) | 9.164 | 30538 | 3.999 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.296 | 33150 | 5.810 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 9:13
 Operator : MJB / KAK
 Sample : A0F0647-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:10:08 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2) | 8.716 | 34215 | 1.233 ng/ml |
| 59) | Aroclor 1268 (3) | 8.766 | 67226 | 2.855 ng/ml |
| 60) | Aroclor 1268 (4) | 8.946 | 59165 | 2.746 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 30538 | 3.618 ng/ml |
| 62) | Aroclor 1268 (6) | 9.433 | 48537 | 0.753 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

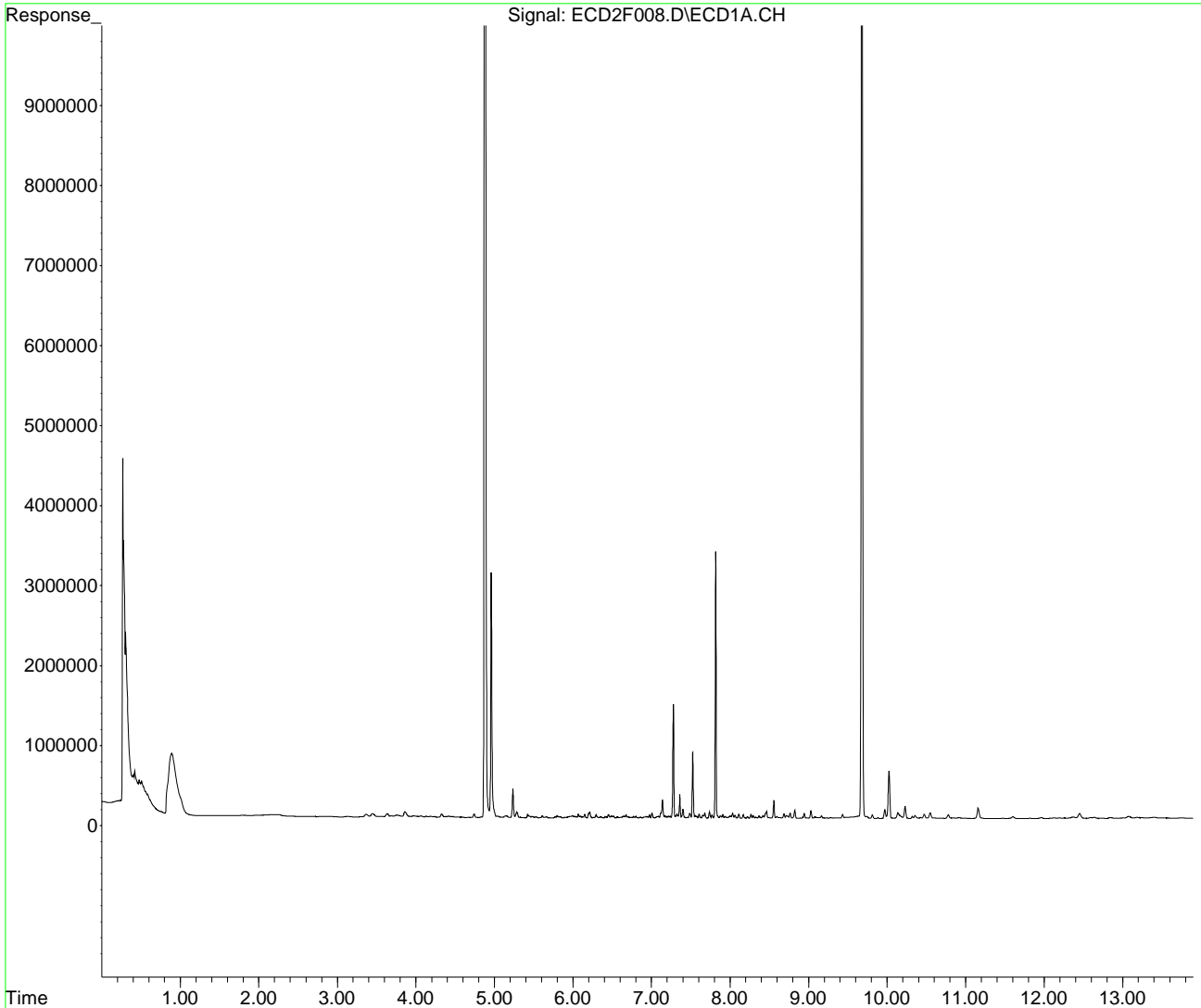
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 9:13
Operator : MJB / KAK
Sample : A0F0647-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:10:08 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 9:48
 Operator : MJB / KAK
 Sample : A0F0647-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

KAK 6/29/2020

Integration File: PCB1.e
 Quant Time: Jun 29 15:10:28 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.879 | 27143629 | 191.110 ng/ml |
| 64) S DCBP (S) | 9.679 | 30339690 | 242.951 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.784 | 13927 | 2.907 ng/ml |
| 3) Aroclor 1016 (2) | 6.223 | 16945 | 1.679 ng/ml |
| 4) Aroclor 1016 (3) | 6.278 | 14912 | 2.769 ng/ml |
| 5) Aroclor 1016 (4) | 6.436 | 17699 | 4.430 ng/ml |
| 6) Aroclor 1016 (5) | 6.675 | 5703 | 1.109 ng/ml |
| 7) Aroclor 1016 (6) | 6.803 | 7476 | 1.977 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.234 | 527964 | 303.725 ng/ml |
| 10) Aroclor 1221 (2) | 5.325 | 19434 | 17.470 ng/ml |
| 11) Aroclor 1221 (3) | 5.425 | 25211 | 6.964 ng/ml |
| 12) Aroclor 1221 (4) | 5.927 | 12758 | 21.782 ng/ml |
| 13) Aroclor 1221 (5) | 6.223 | 16945 | 24.192 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.425 | 25211 | 8.315 ng/ml |
| 16) Aroclor 1232 (2) | 6.223 | 16945 | 4.310 ng/ml |
| 17) Aroclor 1232 (3) | 6.278 | 14912 | 6.834 ng/ml |
| 18) Aroclor 1232 (4) | 6.436 | 17699 | 13.724 ng/ml |
| 19) Aroclor 1232 (5) | 6.675 | 5703 | 3.119 ng/ml |
| 20) Aroclor 1232 (6) | 6.803 | 7476 | 4.861 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.784 | 13927 | 3.975 ng/ml |
| 23) Aroclor 1242 (2) | 6.223 | 16945 | 2.259 ng/ml |
| 24) Aroclor 1242 (3) | 6.278 | 14912 | 3.751 ng/ml |
| 25) Aroclor 1242 (4) | 6.436 | 17699 | 6.767 ng/ml |
| 26) Aroclor 1242 (5) | 6.675 | 5703 | 1.522 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 9:48
 Operator : MJB / KAK
 Sample : A0F0647-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:10:28 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6) | 6.803 | 7476 | 2.281 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.223 | 16945 | 3.665 ng/ml |
| 30) | Aroclor 1248 (2) | 6.436 | 17699 | 3.529 ng/ml |
| 31) | Aroclor 1248 (3) | 6.675 | 5703 | 0.933 ng/ml |
| 32) | Aroclor 1248 (4) | 6.950 | 6225 | 0.850 ng/ml |
| 33) | Aroclor 1248 (5) | 7.015 | 9019 | 1.145 ng/ml |
| 34) | Aroclor 1248 (6) | 7.483 | 9101 | 2.314 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 7.015 | 9019 | 1.278 ng/ml |
| 37) | Aroclor 1254 (2) | 7.108 | 11618 | 1.361 ng/ml |
| 38) | Aroclor 1254 (3) | 7.483 | 9101 | 0.672 ng/ml |
| 39) | Aroclor 1254 (4) | 7.630 | 11834 | 1.278 ng/ml |
| 40) | Aroclor 1254 (5) | 8.045 | 15565 | 1.686 ng/ml |
| 41) | Aroclor 1254 (6) | 8.331 | 10058 | 3.348 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.602 | 11023 | 1.148 ng/ml |
| 44) | Aroclor 1260 (2) | 7.759 | 15952 | 1.346 ng/ml |
| 45) | Aroclor 1260 (3) | 8.294 | 10428 | 1.124 ng/ml |
| 46) | Aroclor 1260 (4) | 8.462 | 21453 | 0.981 ng/ml |
| 47) | Aroclor 1260 (5) | 8.764 | 11106 | 0.773 ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 17026 | 2.865 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.759 | 15952 | 1.758 ng/ml |
| 51) | Aroclor 1262 (2) | 8.045 | 15565 | 1.222 ng/ml |
| 52) | Aroclor 1262 (3) | 8.294 | 10428 | 0.937 ng/ml |
| 53) | Aroclor 1262 (4) | 8.462 | 21453 | 0.898 ng/ml |
| 54) | Aroclor 1262 (5) | 8.764 | 11106 | 0.767 ng/ml |
| 55) | Aroclor 1262 (6) | 9.164 | 17026 | 2.230 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.294 | 10428 | 1.828 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 9:48
 Operator : MJB / KAK
 Sample : A0F0647-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:10:28 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2) | 8.713 | 10340 | 0.373 ng/ml |
| 59) | Aroclor 1268 (3) | 8.764 | 11106 | 0.472 ng/ml |
| 60) | Aroclor 1268 (4) | 8.946 | 82935 | 3.850 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 17026 | 2.017 ng/ml |
| 62) | Aroclor 1268 (6) | 9.432 | 72581 | 1.126 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

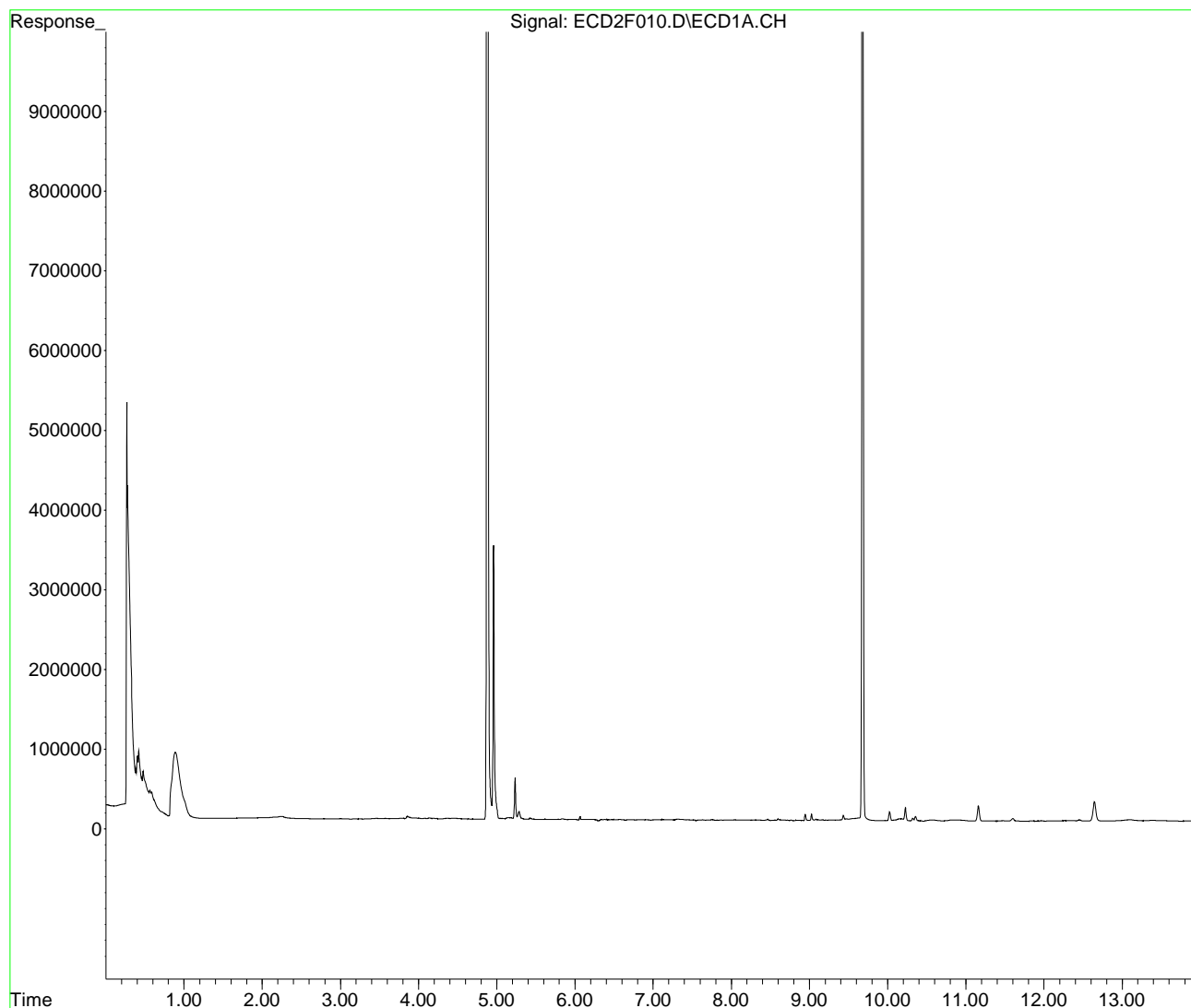
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 9:48
Operator : MJB / KAK
Sample : A0F0647-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:10:28 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 10:24
 Operator : MJB / KAK
 Sample : 0060834-DUP1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

KAK 6/29/2020

Integration File: PCB1.e
 Quant Time: Jun 29 15:10:49 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.881 | 28362542 | 199.692 ng/ml |
| 64) S DCBP (S) | 9.679 | 31880824 | 255.292 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.797 | 9684 | 2.022 ng/ml |
| 3) Aroclor 1016 (2) | 6.212 | 10754 | 1.066 ng/ml |
| 4) Aroclor 1016 (3) | 6.282 | 7184 | 1.334 ng/ml |
| 5) Aroclor 1016 (4) | 6.440 | 9357 | 2.342 ng/ml |
| 6) Aroclor 1016 (5) | 6.677 | 7862 | 1.530 ng/ml |
| 7) Aroclor 1016 (6) | 6.801 | 9322 | 2.465 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.235 | 560462 | 322.420 ng/ml |
| 10) Aroclor 1221 (2) | 5.380 | 5677 | 5.104 ng/ml |
| 11) Aroclor 1221 (3) | 5.425 | 23704 | 6.548 ng/ml |
| 12) Aroclor 1221 (4) | 5.924 | 6793 | 11.598 ng/ml |
| 13) Aroclor 1221 (5) | 6.212 | 10754 | 15.353 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.425 | 23704 | 7.818 ng/ml |
| 16) Aroclor 1232 (2) | 6.212 | 10754 | 2.735 ng/ml |
| 17) Aroclor 1232 (3) | 6.282 | 7184 | 3.293 ng/ml |
| 18) Aroclor 1232 (4) | 6.440 | 9357 | 7.256 ng/ml |
| 19) Aroclor 1232 (5) | 6.677 | 7862 | 4.300 ng/ml |
| 20) Aroclor 1232 (6) | 6.801 | 9322 | 6.061 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.797 | 9684 | 2.764 ng/ml |
| 23) Aroclor 1242 (2) | 6.212 | 10754 | 1.433 ng/ml |
| 24) Aroclor 1242 (3) | 6.282 | 7184 | 1.807 ng/ml |
| 25) Aroclor 1242 (4) | 6.440 | 9357 | 3.577 ng/ml |
| 26) Aroclor 1242 (5) | 6.677 | 7862 | 2.098 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 10:24
 Operator : MJB / KAK
 Sample : 0060834-DUP1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:10:49 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6) | 6.801 | 9322 | 2.845 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.212 | 10754 | 2.326 ng/ml |
| 30) | Aroclor 1248 (2) | 6.440 | 9357 | 1.866 ng/ml |
| 31) | Aroclor 1248 (3) | 6.677 | 7862 | 1.287 ng/ml |
| 32) | Aroclor 1248 (4) | 6.953 | 7657 | 1.045 ng/ml |
| 33) | Aroclor 1248 (5) | 7.014 | 12105 | 1.537 ng/ml |
| 34) | Aroclor 1248 (6) | 7.485 | 9769 | 2.484 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 7.014 | 12105 | 1.715 ng/ml |
| 37) | Aroclor 1254 (2) | 7.107 | 13934 | 1.632 ng/ml |
| 38) | Aroclor 1254 (3) | 7.485 | 9769 | 0.721 ng/ml |
| 39) | Aroclor 1254 (4) | 7.630 | 13983 | 1.510 ng/ml |
| 40) | Aroclor 1254 (5) | 8.045 | 19779 | 2.142 ng/ml |
| 41) | Aroclor 1254 (6) | 8.329 | 13517 | 4.500 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.606 | 13918 | 1.450 ng/ml |
| 44) | Aroclor 1260 (2) | 7.760 | 20128 | 1.699 ng/ml |
| 45) | Aroclor 1260 (3) | 8.294 | 14408 | 1.553 ng/ml |
| 46) | Aroclor 1260 (4) | 8.463 | 30096 | 1.376 ng/ml |
| 47) | Aroclor 1260 (5) | 8.765 | 18159 | 1.265 ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 26852 | 4.518 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.760 | 20128 | 2.219 ng/ml |
| 51) | Aroclor 1262 (2) | 8.045 | 19779 | 1.553 ng/ml |
| 52) | Aroclor 1262 (3) | 8.294 | 14408 | 1.295 ng/ml |
| 53) | Aroclor 1262 (4) | 8.463 | 30096 | 1.260 ng/ml |
| 54) | Aroclor 1262 (5) | 8.765 | 18159 | 1.254 ng/ml |
| 55) | Aroclor 1262 (6) | 9.164 | 26852 | 3.516 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.294 | 14408 | 2.525 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 10:24
 Operator : MJB / KAK
 Sample : 0060834-DUP1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:10:49 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2) | 8.715 | 13603 | 0.490 ng/ml |
| 59) | Aroclor 1268 (3) | 8.765 | 18159 | 0.771 ng/ml |
| 60) | Aroclor 1268 (4) | 8.947 | 102981 | 4.780 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 26852 | 3.181 ng/ml |
| 62) | Aroclor 1268 (6) | 9.434 | 93801 | 1.455 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

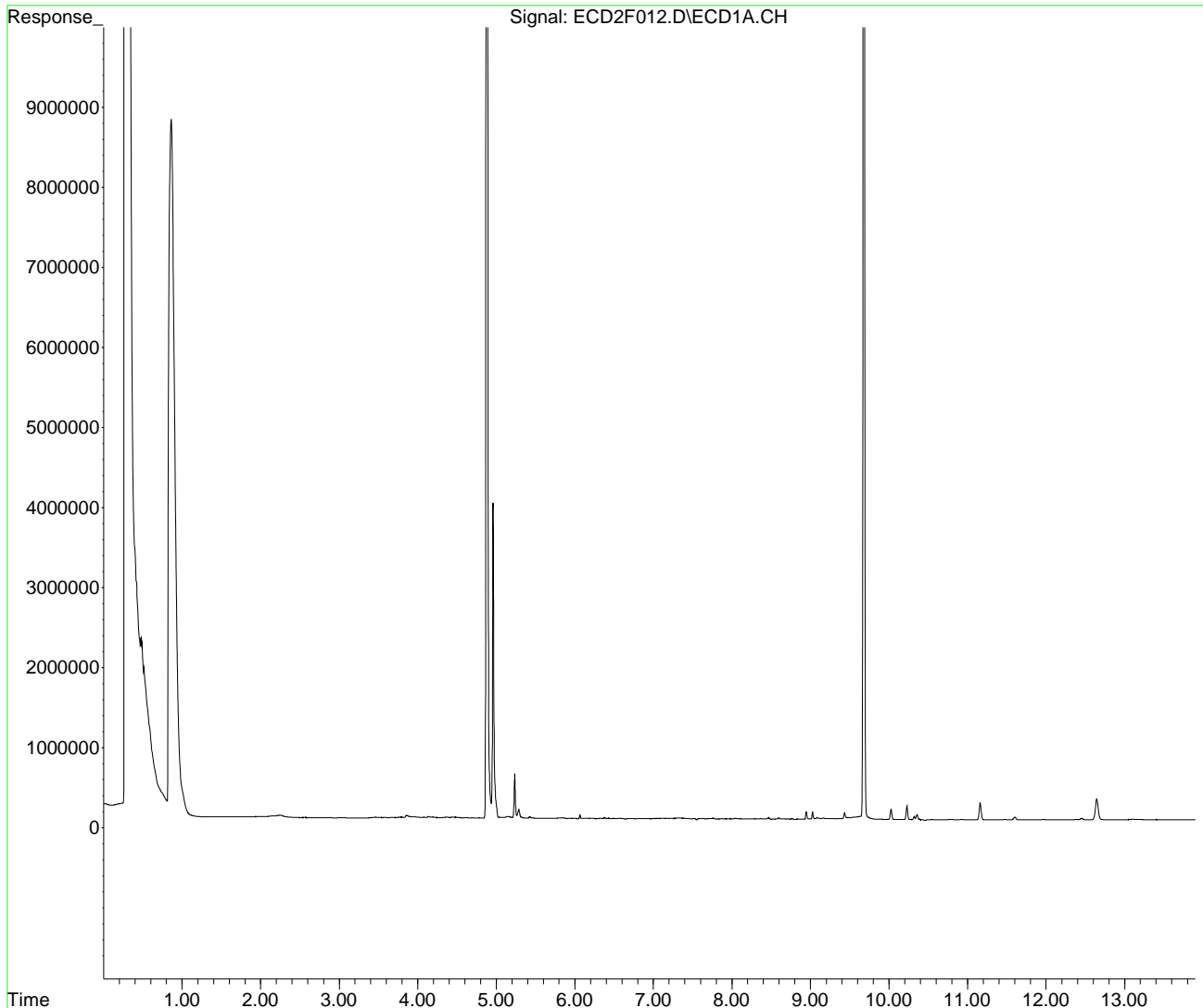
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 10:24
Operator : MJB / KAK
Sample : 0060834-DUP1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:10:49 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 11:34
 Operator : MJB / KAK
 Sample : 0F29028-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 6/29/2020

Integration File: PCB1.e
 Quant Time: Jun 29 15:11:32 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|----------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.880 | 39262123 | 276.433 ng/ml |
| 64) S DCBP (S) | 9.678 | 34690387 | 277.790 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.798 | 2103039 | 439.002 ng/ml |
| 3) Aroclor 1016 (2) | 6.212 | 4691588 | 464.934 ng/ml |
| 4) Aroclor 1016 (3) | 6.293 | 2603082 | 483.333 ng/ml |
| 5) Aroclor 1016 (4) | 6.452 | 1879049 | 470.348 ng/ml |
| 6) Aroclor 1016 (5) | 6.675 | 2313250 | 450.035 ng/ml |
| 7) Aroclor 1016 (6) | 6.802 | 1763038 | 466.205 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.236 | 869797 | 500.373 ng/ml |
| 10) Aroclor 1221 (2) | 5.357 | 287226 | 258.206 ng/ml |
| 11) Aroclor 1221 (3) | 5.437 | 1302364 | 359.737 ng/ml |
| 12) Aroclor 1221 (4) | 5.907 | 235771 | 402.535 ng/ml |
| 13) Aroclor 1221 (5) | 6.212 | 4691588 | 6698.150 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.437 | 1302364 | 429.548 ng/ml |
| 16) Aroclor 1232 (2) | 6.212 | 4691588 | 1193.199 ng/ml |
| 17) Aroclor 1232 (3) | 6.293 | 2603082 | 1193.055 ng/ml |
| 18) Aroclor 1232 (4) | 6.452 | 1879049 | 1457.083 ng/ml |
| 19) Aroclor 1232 (5) | 6.675 | 2313250 | 1265.173 ng/ml |
| 20) Aroclor 1232 (6) | 6.802 | 1763038 | 1146.328 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.798 | 2103039 | 600.316 ng/ml |
| 23) Aroclor 1242 (2) | 6.212 | 4691588 | 625.321 ng/ml |
| 24) Aroclor 1242 (3) | 6.293 | 2603082 | 654.889 ng/ml |
| 25) Aroclor 1242 (4) | 6.452 | 1879049 | 718.423 ng/ml |
| 26) Aroclor 1242 (5) | 6.675 | 2313250 | 617.330 ng/ml |

✓

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 11:34
 Operator : MJB / KAK
 Sample : 0F29028-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:11:32 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|----------|-------|
| 27) | Aroclor 1242 (6) | 6.802 | 1763038 | 537.975 | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 6.212 | 4691588 | 1014.611 | ng/ml |
| 30) | Aroclor 1248 (2) | 6.452 | 1879049 | 374.683 | ng/ml |
| 31) | Aroclor 1248 (3) | 6.675 | 2313250 | 378.570 | ng/ml |
| 32) | Aroclor 1248 (4) | 6.968 | 464273 | 63.365 | ng/ml |
| 33) | Aroclor 1248 (5) | 7.004 | 1597014 | 202.746 | ng/ml |
| 34) | Aroclor 1248 (6) | 7.493 | 3246876 | 825.541 | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 7.004 | 1597014 | 226.266 | ng/ml |
| 37) | Aroclor 1254 (2) | 7.113 | 1616762 | 189.397 | ng/ml |
| 38) | Aroclor 1254 (3) | 7.493 | 3246876 | 239.584 | ng/ml |
| 39) | Aroclor 1254 (4) | 7.650 | 512392 | 55.345 | ng/ml |
| 40) | Aroclor 1254 (5) | 8.033 | 4701490 | 509.209 | ng/ml |
| 41) | Aroclor 1254 (6) | 8.327 | 496805 | 165.394 | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.605 | 4337751 | 451.808 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.738 | 5731255 | 483.733 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 4332643 | 467.029 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.466 | 10593493 | 484.450 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.766 | 6637289 | 462.234 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 2792177 | 469.810 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 7.738 | 5731255 | 631.761 | ng/ml |
| 51) | Aroclor 1262 (2) | 8.063 | 4172370 | 327.577 | ng/ml |
| 52) | Aroclor 1262 (3) | 8.296 | 4332643 | 389.298 | ng/ml |
| 53) | Aroclor 1262 (4) | 8.466 | 10593493 | 443.357 | ng/ml |
| 54) | Aroclor 1262 (5) | 8.766 | 6637289 | 458.289 | ng/ml |
| 55) | Aroclor 1262 (6) | 9.164 | 2792177 | 365.657 | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 8.296 | 4332643 | 759.368 | ng/ml |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 11:34
 Operator : MJB / KAK
 Sample : 0F29028-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:11:32 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2) | 8.714 | 2152887 | 77.596 ng/ml |
| 59) | Aroclor 1268 (3) | 8.766 | 6637289 | 281.857 ng/ml |
| 60) | Aroclor 1268 (4) | 8.944 | 227165 | 10.544 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 2792177 | 330.805 ng/ml |
| 62) | Aroclor 1268 (6) | 9.432 | 699631 | 10.855 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

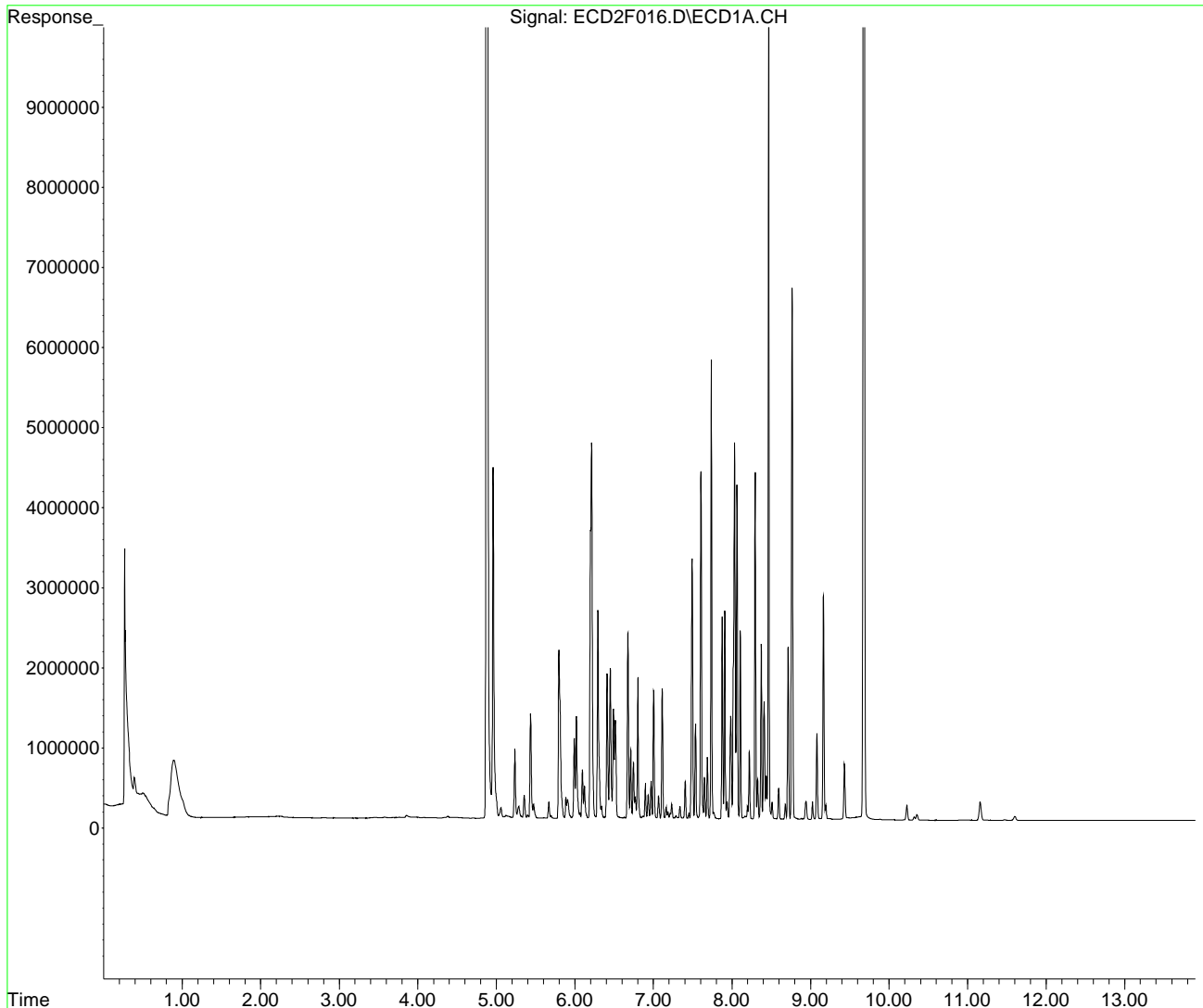
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 11:34
Operator : MJB / KAK
Sample : 0F29028-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:11:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 11:52
 Operator : MJB / KAK
 Sample : 0F29028-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 6/29/2020

Integration File: PCB1.e Clean
 Quant Time: Jun 29 15:11:55 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.880 | 14511570 | 102.172 ng/ml |
| 64) S DCBP (S) | 9.678 | 13145373 | 105.264 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.801 | 978 | 0.204 ng/ml |
| 3) Aroclor 1016 (2) | 6.198 | 1335 | 0.132 ng/ml |
| 4) Aroclor 1016 (3) | 6.293 | 1066 | 0.198 ng/ml |
| 5) Aroclor 1016 (4) | 6.454 | 925 | 0.232 ng/ml |
| 6) Aroclor 1016 (5) | 6.667 | 618 | 0.120 ng/ml |
| 7) Aroclor 1016 (6) | 6.809 | 1175 | 0.311 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.234 | 279839 | 160.985 ng/ml |
| 10) Aroclor 1221 (2) | 5.378 | 1388 | 1.248 ng/ml |
| 11) Aroclor 1221 (3) | 5.428 | 5812 | 1.605 ng/ml |
| 12) Aroclor 1221 (4) | 5.895 | 1949 | 3.327 ng/ml |
| 13) Aroclor 1221 (5) | 6.198 | 1335 | 1.905 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.428 | 5812 | 1.917 ng/ml |
| 16) Aroclor 1232 (2) | 6.198 | 1335 | 0.339 ng/ml |
| 17) Aroclor 1232 (3) | 6.293 | 1066 | 0.489 ng/ml |
| 18) Aroclor 1232 (4) | 6.454 | 925 | 0.717 ng/ml |
| 19) Aroclor 1232 (5) | 6.667 | 618 | 0.338 ng/ml |
| 20) Aroclor 1232 (6) | 6.791 | 694 | 0.451 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.801 | 978 | 0.279 ng/ml |
| 23) Aroclor 1242 (2) | 6.198 | 1335 | 0.178 ng/ml |
| 24) Aroclor 1242 (3) | 6.293 | 1066 | 0.268 ng/ml |
| 25) Aroclor 1242 (4) | 6.454 | 925 | 0.354 ng/ml |
| 26) Aroclor 1242 (5) | 6.667 | 618 | 0.165 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 11:52
 Operator : MJB / KAK
 Sample : 0F29028-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:11:55 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6) | 6.809 | 1175 | 0.358 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.198 | 1335 | 0.289 ng/ml |
| 30) | Aroclor 1248 (2) | 6.454 | 925 | 0.184 ng/ml |
| 31) | Aroclor 1248 (3) | 6.667 | 618 | 0.101 ng/ml |
| 32) | Aroclor 1248 (4) | 6.985 | 2763 | 0.377 ng/ml |
| 33) | Aroclor 1248 (5) | 7.017 | 4541 | 0.576 ng/ml |
| 34) | Aroclor 1248 (6) | 7.485 | 5798 | 1.474 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 7.017 | 4541 | 0.643 ng/ml |
| 37) | Aroclor 1254 (2) | 7.118 | 6962 | 0.816 ng/ml |
| 38) | Aroclor 1254 (3) | 7.485 | 5798 | 0.428 ng/ml |
| 39) | Aroclor 1254 (4) | 7.649 | 4854 | 0.524 ng/ml |
| 40) | Aroclor 1254 (5) | 8.042 | 7914 | 0.857 ng/ml |
| 41) | Aroclor 1254 (6) | 8.329 | 4271 | 1.422 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.605 | 5742 | 0.598 ng/ml |
| 44) | Aroclor 1260 (2) | 7.737 | 6431 | 0.543 ng/ml |
| 45) | Aroclor 1260 (3) | 8.294 | 6388 | 0.689 ng/ml |
| 46) | Aroclor 1260 (4) | 8.463 | 12063 | 0.552 ng/ml |
| 47) | Aroclor 1260 (5) | 8.767 | 7128 | 0.496 ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 8152 | 1.372 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.737 | 6431 | 0.709 ng/ml |
| 51) | Aroclor 1262 (2) | 8.063 | 6180 | 0.485 ng/ml |
| 52) | Aroclor 1262 (3) | 8.294 | 6388 | 0.574 ng/ml |
| 53) | Aroclor 1262 (4) | 8.463 | 12063 | 0.505 ng/ml |
| 54) | Aroclor 1262 (5) | 8.767 | 7128 | 0.492 ng/ml |
| 55) | Aroclor 1262 (6) | 9.164 | 8152 | 1.068 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.294 | 6388 | 1.120 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 11:52
 Operator : MJB / KAK
 Sample : 0F29028-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 29 15:11:55 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2) | 8.715 | 4735 | 0.171 ng/ml |
| 59) | Aroclor 1268 (3) | 8.767 | 7128 | 0.303 ng/ml |
| 60) | Aroclor 1268 (4) | 8.946 | 58916 | 2.735 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 8152 | 0.966 ng/ml |
| 62) | Aroclor 1268 (6) | 9.432 | 58750 | 0.912 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

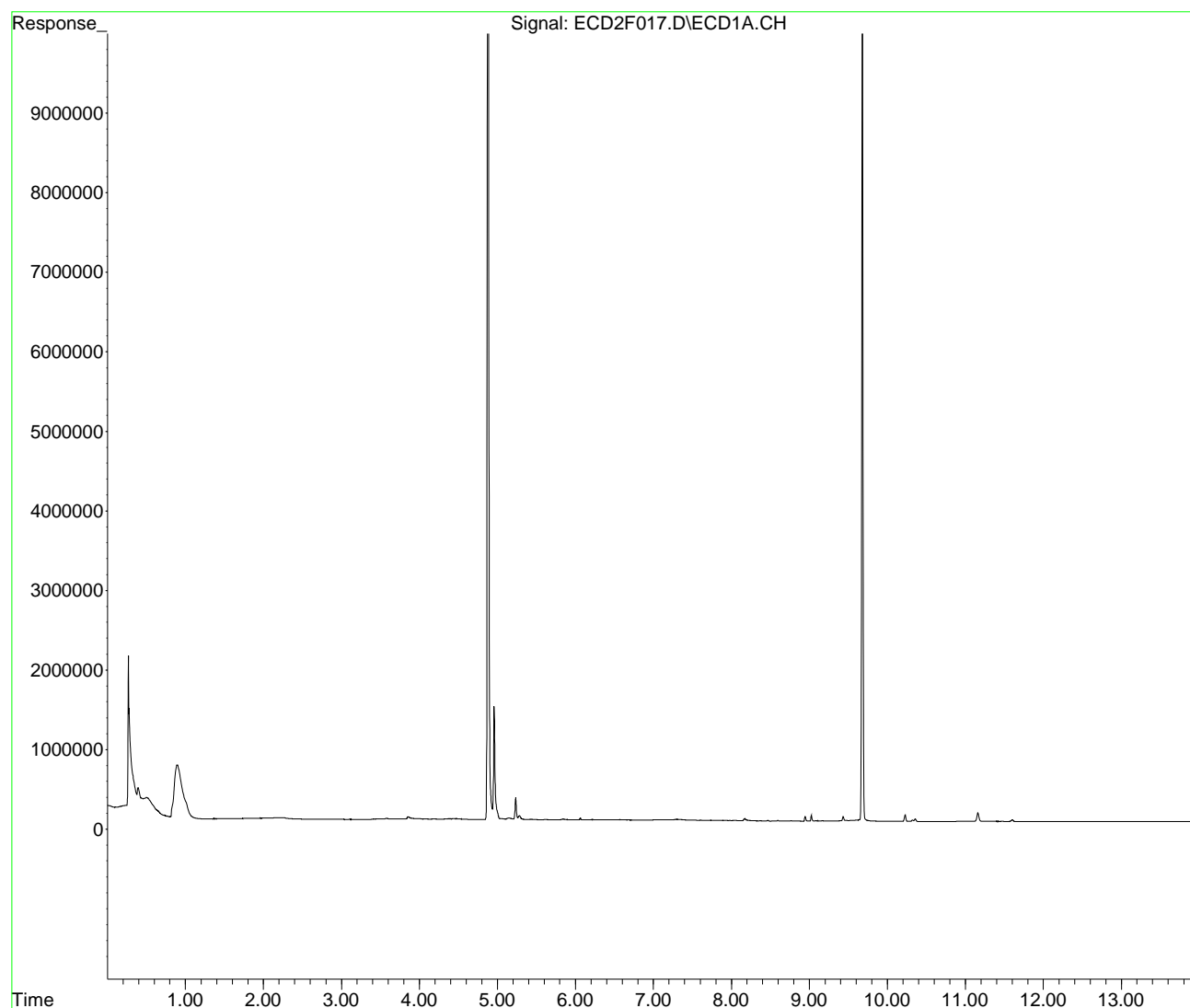
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 11:52
Operator : MJB / KAK
Sample : 0F29028-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:11:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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





ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0F29028
Date: 06/29/20 06:21

Instrument: DUALECD2F
Calibration: A0F2307

Table with columns: #, Lab Number, Matrix, Analysis, Client, Due, Batch, ISTD_ID, STD_ID. Contains 32 rows of sample data including Lab Numbers (e.g., 0F29028-CCV1), Matrices (Sediment), Analysis (QC), Clients (QC, Anchor QEA, LLC), Due dates (07/08/20, 06/26/20), and STD IDs (A20F129, A20F379).

Data Entered By/Date: KAK 6/30/2020

Comments:

Data Reviewed By/Date: MKZ 6/30/2020

6/30/2020 9:59:11AM

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.

| |
|---------------------|
| 0F29028-CCV2 |
|---------------------|

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 439.00 |
| 1016 (2) | 464.93 |
| 1016 (3) | 483.33 |
| 1016 (4) | 470.35 |
| 1016 (5) | 450.03 |
| 1016 (6) | 466.20 |
| Average: | 462.31 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 451.81 |
| 1260 (2) | 483.73 |
| 1260 (3) | 467.03 |
| 1260 (4) | 484.45 |
| 1260 (5) | 462.23 |
| 1260 (6) | 469.81 |
| Average: | 469.84 |

| |
|--------------------|
| 0060834-MS1 |
|--------------------|

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 797.74 |
| 1016 (2) | 878.29 |
| 1016 (3) | 814.40 |
| 1016 (4) | 917.73 |
| 1016 (5) | 846.45 |
| 1016 (6) | 823.29 |
| Average: | 846.32 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 936.45 |
| 1260 (2) | 1,010.43 |
| 1260 (3) | 965.46 |
| 1260 (4) | 1,111.02 |
| 1260 (5) | 1,034.10 |
| 1260 (6) | 992.57 |
| Average: | 1,008.34 |

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.

0F29028-CCV3

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 490.50 |
| 1016 (2) | 511.38 |
| 1016 (3) | 509.53 |
| 1016 (4) | 493.99 |
| 1016 (5) | 488.59 |
| 1016 (6) | 481.03 |
| Average: | 495.84 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 495.96 |
| 1260 (2) | 506.53 |
| 1260 (3) | 500.83 |
| 1260 (4) | 511.12 |
| 1260 (5) | 483.45 |
| 1260 (6) | 452.60 |
| Average: | 491.75 |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 12:10
 Operator : MJB / KAK
 Sample : A0F0647-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

KAK 6/30/2020

Integration File: PCB1.e
 Quant Time: Jun 30 08:35:06 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|--------------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.880 | 25311330 | 178.210 ng/ml |
| 64) S DCBP (S) | 9.678 | 28575885 | 228.827 ng/ml Q-41 |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.782 | 9045 | 1.888 ng/ml |
| 3) Aroclor 1016 (2) | 6.225 | 8974 | 0.889 ng/ml |
| 4) Aroclor 1016 (3) | 6.284 | 6685 | 1.241 ng/ml |
| 5) Aroclor 1016 (4) | 6.447 | 3421 | 0.856 ng/ml |
| 6) Aroclor 1016 (5) | 6.663 | 2714 | 0.528 ng/ml |
| 7) Aroclor 1016 (6) | 6.790 | 5553 | 1.468 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.233 | 476377 | 274.048 ng/ml |
| 10) Aroclor 1221 (2) | 5.372 | 5320 | 4.782 ng/ml |
| 11) Aroclor 1221 (3) | 5.422 | 50773 | 14.024 ng/ml |
| 12) Aroclor 1221 (4) | 5.920 | 7276 | 12.423 ng/ml |
| 13) Aroclor 1221 (5) | 6.225 | 8974 | 12.812 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.422 | 50773 | 16.746 ng/ml |
| 16) Aroclor 1232 (2) | 6.225 | 8974 | 2.282 ng/ml |
| 17) Aroclor 1232 (3) | 6.284 | 6685 | 3.064 ng/ml |
| 18) Aroclor 1232 (4) | 6.447 | 3421 | 2.653 ng/ml |
| 19) Aroclor 1232 (5) | 6.663 | 2714 | 1.484 ng/ml |
| 20) Aroclor 1232 (6) | 6.790 | 5553 | 3.611 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.782 | 9045 | 2.582 ng/ml |
| 23) Aroclor 1242 (2) | 6.225 | 8974 | 1.196 ng/ml |
| 24) Aroclor 1242 (3) | 6.284 | 6685 | 1.682 ng/ml |
| 25) Aroclor 1242 (4) | 6.447 | 3421 | 1.308 ng/ml |
| 26) Aroclor 1242 (5) | 6.663 | 2714 | 0.724 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 12:10
 Operator : MJB / KAK
 Sample : A0F0647-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 30 08:35:06 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6) | 6.790 | 5553 | 1.695 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.225 | 8974 | 1.941 ng/ml |
| 30) | Aroclor 1248 (2) | 6.447 | 3421 | 0.682 ng/ml |
| 31) | Aroclor 1248 (3) | 6.663 | 2714 | 0.444 ng/ml |
| 32) | Aroclor 1248 (4) | 6.948 | 6315 | 0.862 ng/ml |
| 33) | Aroclor 1248 (5) | 7.010 | 9751 | 1.238 ng/ml |
| 34) | Aroclor 1248 (6) | 7.495 | 17070 | 4.340 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 7.010 | 9751 | 1.382 ng/ml |
| 37) | Aroclor 1254 (2) | 7.109 | 13908 | 1.629 ng/ml |
| 38) | Aroclor 1254 (3) | 7.495 | 17070 | 1.260 ng/ml |
| 39) | Aroclor 1254 (4) | 7.656 | 17689 | 1.911 ng/ml |
| 40) | Aroclor 1254 (5) | 8.043 | 21166 | 2.292 ng/ml |
| 41) | Aroclor 1254 (6) | 8.319 | 14581 | 4.854 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.608 | 12001 | 1.250 ng/ml |
| 44) | Aroclor 1260 (2) | 7.739 | 17908 | 1.512 ng/ml |
| 45) | Aroclor 1260 (3) | 8.293 | 16257 | 1.752 ng/ml |
| 46) | Aroclor 1260 (4) | 8.462 | 23812 | 1.089 ng/ml |
| 47) | Aroclor 1260 (5) | 8.764 | 16886 | 1.176 ng/ml |
| 48) | Aroclor 1260 (6) | 9.163 | 20966 | 3.528 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.739 | 17908 | 1.974 ng/ml |
| 51) | Aroclor 1262 (2) | 8.062 | 16943 | 1.330 ng/ml |
| 52) | Aroclor 1262 (3) | 8.293 | 16257 | 1.461 ng/ml |
| 53) | Aroclor 1262 (4) | 8.462 | 23812 | 0.997 ng/ml |
| 54) | Aroclor 1262 (5) | 8.764 | 16886 | 1.166 ng/ml |
| 55) | Aroclor 1262 (6) | 9.163 | 20966 | 2.746 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.293 | 16257 | 2.849 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 12:10
 Operator : MJB / KAK
 Sample : A0F0647-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 30 08:35:06 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2) | 8.717 | 13614 | 0.491 ng/ml |
| 59) | Aroclor 1268 (3) | 8.764 | 16886 | 0.717 ng/ml |
| 60) | Aroclor 1268 (4) | 8.945 | 105655 | 4.904 ng/ml |
| 61) | Aroclor 1268 (5) | 9.163 | 20966 | 2.484 ng/ml |
| 62) | Aroclor 1268 (6) | 9.431 | 96784 | 1.502 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

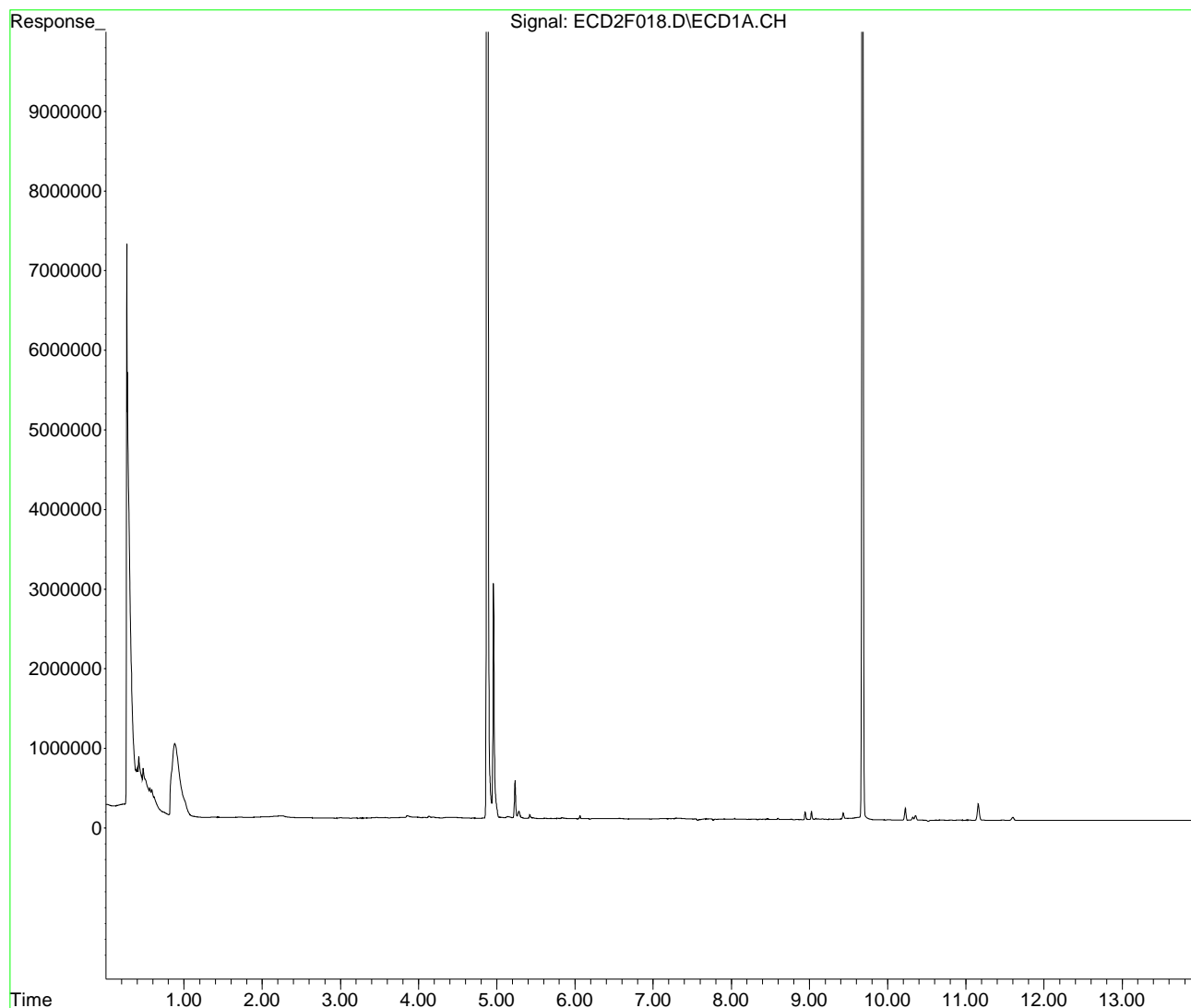
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 12:10
Operator : MJB / KAK
Sample : A0F0647-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:35:06 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 12:45
 Operator : MJB / KAK
 Sample : 0060834-MS1
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

KAK 6/30/2020

Integration File: PCB1.e
 Quant Time: Jun 30 08:35:27 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units | |
|-----------------------------|-------|----------|-----------------|------|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.881 | 26295474 | 185.139 ng/ml | |
| 64) S DCBP (S) | 9.677 | 31426130 | 251.651 ng/ml | Q-41 |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.798 | 3821547 | 797.735 ng/ml | |
| 3) Aroclor 1016 (2) | 6.212 | 8862742 | 878.294 ng/ml | |
| 4) Aroclor 1016 (3) | 6.293 | 4386094 | 814.397 ng/ml | |
| 5) Aroclor 1016 (4) | 6.452 | 3666363 | 917.733 ng/ml | ✓ |
| 6) Aroclor 1016 (5) | 6.674 | 4350883 | 846.449 ng/ml | |
| 7) Aroclor 1016 (6) | 6.801 | 3113417 | 823.289 ng/ml | |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 9) Aroclor 1221 (1) | 5.236 | 891591 | 512.910 ng/ml | |
| 10) Aroclor 1221 (2) | 5.357 | 479097 | 430.692 ng/ml | |
| 11) Aroclor 1221 (3) | 5.437 | 2213139 | 611.310 ng/ml | |
| 12) Aroclor 1221 (4) | 5.906 | 380567 | 649.747 ng/ml | |
| 13) Aroclor 1221 (5) | 6.212 | 8862742 | 12653.278 ng/ml | |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 15) Aroclor 1232 (1) | 5.437 | 2213139 | 729.941 ng/ml | |
| 16) Aroclor 1232 (2) | 6.212 | 8862742 | 2254.037 ng/ml | |
| 17) Aroclor 1232 (3) | 6.293 | 4386094 | 2010.252 ng/ml | |
| 18) Aroclor 1232 (4) | 6.452 | 3666363 | 2843.032 ng/ml | |
| 19) Aroclor 1232 (5) | 6.674 | 4350883 | 2379.605 ng/ml | |
| 20) Aroclor 1232 (6) | 6.801 | 3113417 | 2024.345 ng/ml | |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 22) Aroclor 1242 (1) | 5.798 | 3821547 | 1090.867 ng/ml | |
| 23) Aroclor 1242 (2) | 6.212 | 8862742 | 1181.276 ng/ml | |
| 24) Aroclor 1242 (3) | 6.293 | 4386094 | 1103.463 ng/ml | |
| 25) Aroclor 1242 (4) | 6.452 | 3666363 | 1401.773 ng/ml | |
| 26) Aroclor 1242 (5) | 6.674 | 4350883 | 1161.107 ng/ml | |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 12:45
 Operator : MJB / KAK
 Sample : 0060834-MS1
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 30 08:35:27 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|----------|-------|
| 27) | Aroclor 1242 (6) | 6.801 | 3113417 | 950.031 | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 6.212 | 8862742 | 1916.672 | ng/ml |
| 30) | Aroclor 1248 (2) | 6.452 | 3666363 | 731.074 | ng/ml |
| 31) | Aroclor 1248 (3) | 6.674 | 4350883 | 712.034 | ng/ml |
| 32) | Aroclor 1248 (4) | 6.968 | 828744 | 113.110 | ng/ml |
| 33) | Aroclor 1248 (5) | 7.003 | 3034021 | 385.180 | ng/ml |
| 34) | Aroclor 1248 (6) | 7.492 | 6505459 | 1654.059 | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 7.003 | 3034021 | 429.863 | ng/ml |
| 37) | Aroclor 1254 (2) | 7.112 | 3147706 | 368.742 | ng/ml |
| 38) | Aroclor 1254 (3) | 7.492 | 6505459 | 480.032 | ng/ml |
| 39) | Aroclor 1254 (4) | 7.650 | 990874 | 107.027 | ng/ml |
| 40) | Aroclor 1254 (5) | 8.033 | 9522836 | 1031.399 | ng/ml |
| 41) | Aroclor 1254 (6) | 8.326 | 894884 | 297.920 | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.604 | 8990736 | 936.450 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.737 | 11971508 | 1010.427 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 8956602 | 965.459 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.465 | 24294713 | 1111.019 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.766 | 14848834 | 1034.102 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 5899020 | 992.566 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 7.737 | 11971508 | 1319.629 | ng/ml |
| 51) | Aroclor 1262 (2) | 8.062 | 8965742 | 703.909 | ng/ml |
| 52) | Aroclor 1262 (3) | 8.296 | 8956602 | 804.772 | ng/ml |
| 53) | Aroclor 1262 (4) | 8.465 | 24294713 | 1016.778 | ng/ml |
| 54) | Aroclor 1262 (5) | 8.766 | 14848834 | 1025.276 | ng/ml |
| 55) | Aroclor 1262 (6) | 9.164 | 5899020 | 772.522 | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 8.296 | 8956602 | 1569.793 | ng/ml |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 12:45
 Operator : MJB / KAK
 Sample : 0060834-MS1
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 30 08:35:27 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2) | 8.713 | 4875943 | 175.742 ng/ml |
| 59) | Aroclor 1268 (3) | 8.766 | 14848834 | 630.565 ng/ml |
| 60) | Aroclor 1268 (4) | 8.936 | 378104 | 17.551 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 5899020 | 698.889 ng/ml |
| 62) | Aroclor 1268 (6) | 9.431 | 1357339 | 21.059 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

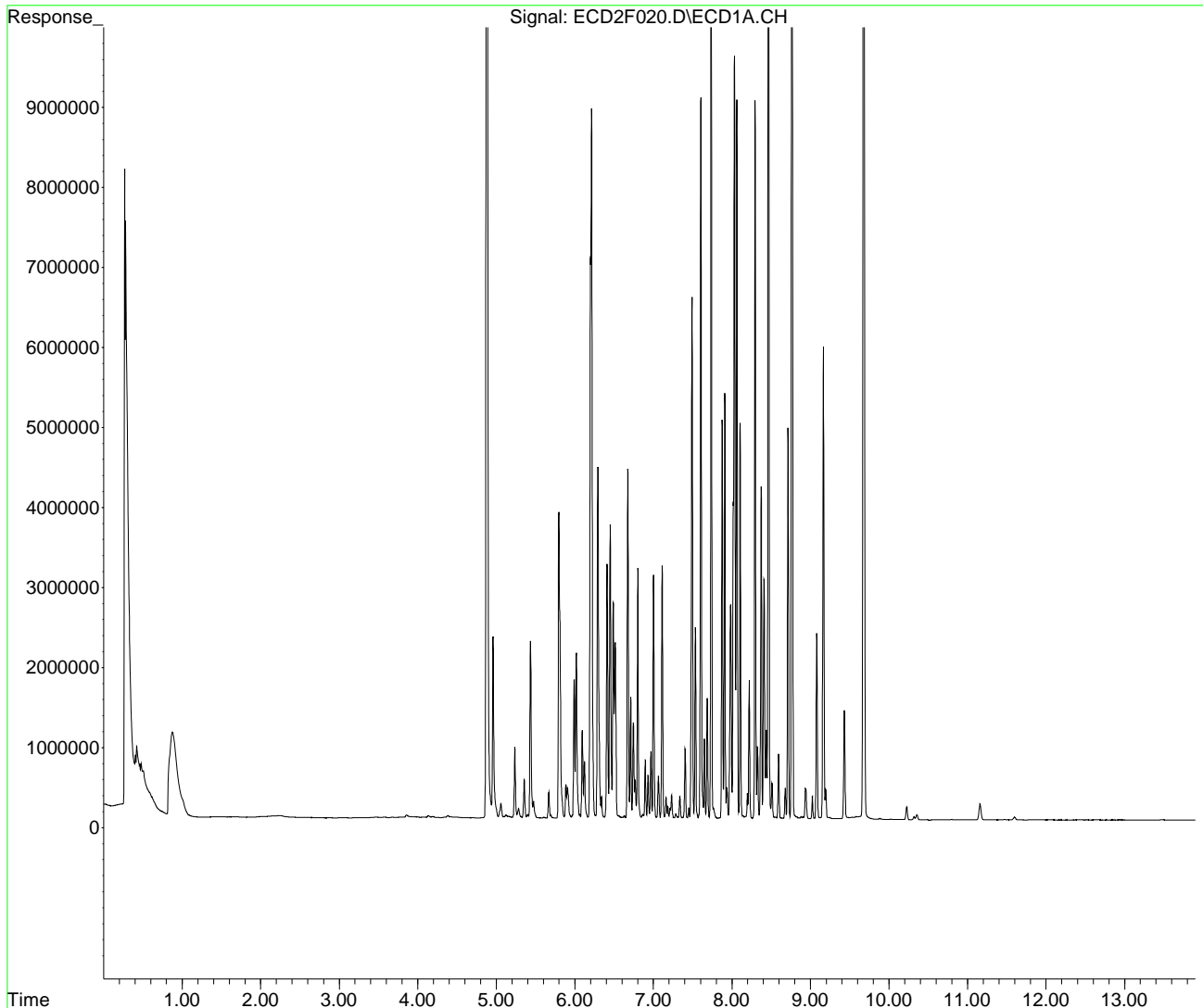
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 12:45
Operator : MJB / KAK
Sample : 0060834-MS1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:35:27 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F032.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 16:17
 Operator : MJB / KAK
 Sample : 0F29028-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 6/30/2020

Integration File: PCB1.e
 Quant Time: Jun 30 08:37:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units | |
|-----------------------------|-------|----------|----------------|------|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.880 | 41989342 | 295.634 ng/ml | |
| 64) S DCBP (S) | 9.679 | 39346540 | 315.075 ng/ml | Q-41 |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.798 | 2349757 | 490.504 ng/ml | |
| 3) Aroclor 1016 (2) | 6.213 | 5160234 | 511.377 ng/ml | |
| 4) Aroclor 1016 (3) | 6.293 | 2744150 | 509.526 ng/ml | ✓ |
| 5) Aroclor 1016 (4) | 6.452 | 1973484 | 493.986 ng/ml | |
| 6) Aroclor 1016 (5) | 6.675 | 2511431 | 488.590 ng/ml | |
| 7) Aroclor 1016 (6) | 6.801 | 1819090 | 481.027 ng/ml | |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 9) Aroclor 1221 (1) | 5.235 | 950266 | 546.664 ng/ml | |
| 10) Aroclor 1221 (2) | 5.356 | 311491 | 280.020 ng/ml | |
| 11) Aroclor 1221 (3) | 5.437 | 1423886 | 393.304 ng/ml | |
| 12) Aroclor 1221 (4) | 5.907 | 261142 | 445.852 ng/ml | |
| 13) Aroclor 1221 (5) | 6.213 | 5160234 | 7367.232 ng/ml | |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 15) Aroclor 1232 (1) | 5.437 | 1423886 | 469.628 ng/ml | |
| 16) Aroclor 1232 (2) | 6.213 | 5160234 | 1312.389 ng/ml | |
| 17) Aroclor 1232 (3) | 6.293 | 2744150 | 1257.710 ng/ml | |
| 18) Aroclor 1232 (4) | 6.452 | 1973484 | 1530.312 ng/ml | |
| 19) Aroclor 1232 (5) | 6.675 | 2511431 | 1373.564 ng/ml | |
| 20) Aroclor 1232 (6) | 6.801 | 1819090 | 1182.773 ng/ml | |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 22) Aroclor 1242 (1) | 5.798 | 2349757 | 670.742 ng/ml | |
| 23) Aroclor 1242 (2) | 6.213 | 5160234 | 687.785 ng/ml | |
| 24) Aroclor 1242 (3) | 6.293 | 2744150 | 690.379 ng/ml | |
| 25) Aroclor 1242 (4) | 6.452 | 1973484 | 754.529 ng/ml | |
| 26) Aroclor 1242 (5) | 6.675 | 2511431 | 670.218 ng/ml | |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F032.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 16:17
 Operator : MJB / KAK
 Sample : 0F29028-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 30 08:37:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|----------------|
| 27) Aroclor 1242 (6) | 6.801 | 1819090 | 555.079 ng/ml |
| 28) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (1) | 6.213 | 5160234 | 1115.961 ng/ml |
| 30) Aroclor 1248 (2) | 6.452 | 1973484 | 393.514 ng/ml |
| 31) Aroclor 1248 (3) | 6.675 | 2511431 | 411.003 ng/ml |
| 32) Aroclor 1248 (4) | 6.969 | 491466 | 67.077 ng/ml |
| 33) Aroclor 1248 (5) | 7.004 | 1670747 | 212.107 ng/ml |
| 34) Aroclor 1248 (6) | 7.492 | 3512190 | 892.999 ng/ml |
| 35) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (1) | 7.004 | 1670747 | 236.713 ng/ml |
| 37) Aroclor 1254 (2) | 7.113 | 1732426 | 202.947 ng/ml |
| 38) Aroclor 1254 (3) | 7.492 | 3512190 | 259.161 ng/ml |
| 39) Aroclor 1254 (4) | 7.651 | 536586 | 57.958 ng/ml |
| 40) Aroclor 1254 (5) | 8.033 | 4756684 | 515.187 ng/ml |
| 41) Aroclor 1254 (6) | 8.327 | 504829 | 168.065 ng/ml |
| 42) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) Aroclor 1260 (1) | 7.605 | 4761683 | 495.964 ng/ml |
| 44) Aroclor 1260 (2) | 7.737 | 6001309 | 506.526 ng/ml |
| 45) Aroclor 1260 (3) | 8.296 | 4646208 | 500.829 ng/ml |
| 46) Aroclor 1260 (4) | 8.466 | 11176660 | 511.119 ng/ml |
| 47) Aroclor 1260 (5) | 8.766 | 6941999 | 483.454 ng/ml |
| 48) Aroclor 1260 (6) | 9.164 | 2689905 | 452.602 ng/ml |
| 49) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (1) | 7.737 | 6001309 | 661.529 ng/ml |
| 51) Aroclor 1262 (2) | 8.063 | 4393750 | 344.958 ng/ml |
| 52) Aroclor 1262 (3) | 8.296 | 4646208 | 417.473 ng/ml |
| 53) Aroclor 1262 (4) | 8.466 | 11176660 | 467.764 ng/ml |
| 54) Aroclor 1262 (5) | 8.766 | 6941999 | 479.328 ng/ml |
| 55) Aroclor 1262 (6) | 9.164 | 2689905 | 352.264 ng/ml |
| 56) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (1) | 8.296 | 4646208 | 814.325 ng/ml |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F032.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 16:17
 Operator : MJB / KAK
 Sample : 0F29028-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 30 08:37:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2) | 8.714 | 2302689 | 82.995 ng/ml |
| 59) | Aroclor 1268 (3) | 8.766 | 6941999 | 294.796 ng/ml |
| 60) | Aroclor 1268 (4) | 8.944 | 225867 | 10.484 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 2689905 | 318.688 ng/ml |
| 62) | Aroclor 1268 (6) | 9.432 | 711235 | 11.035 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

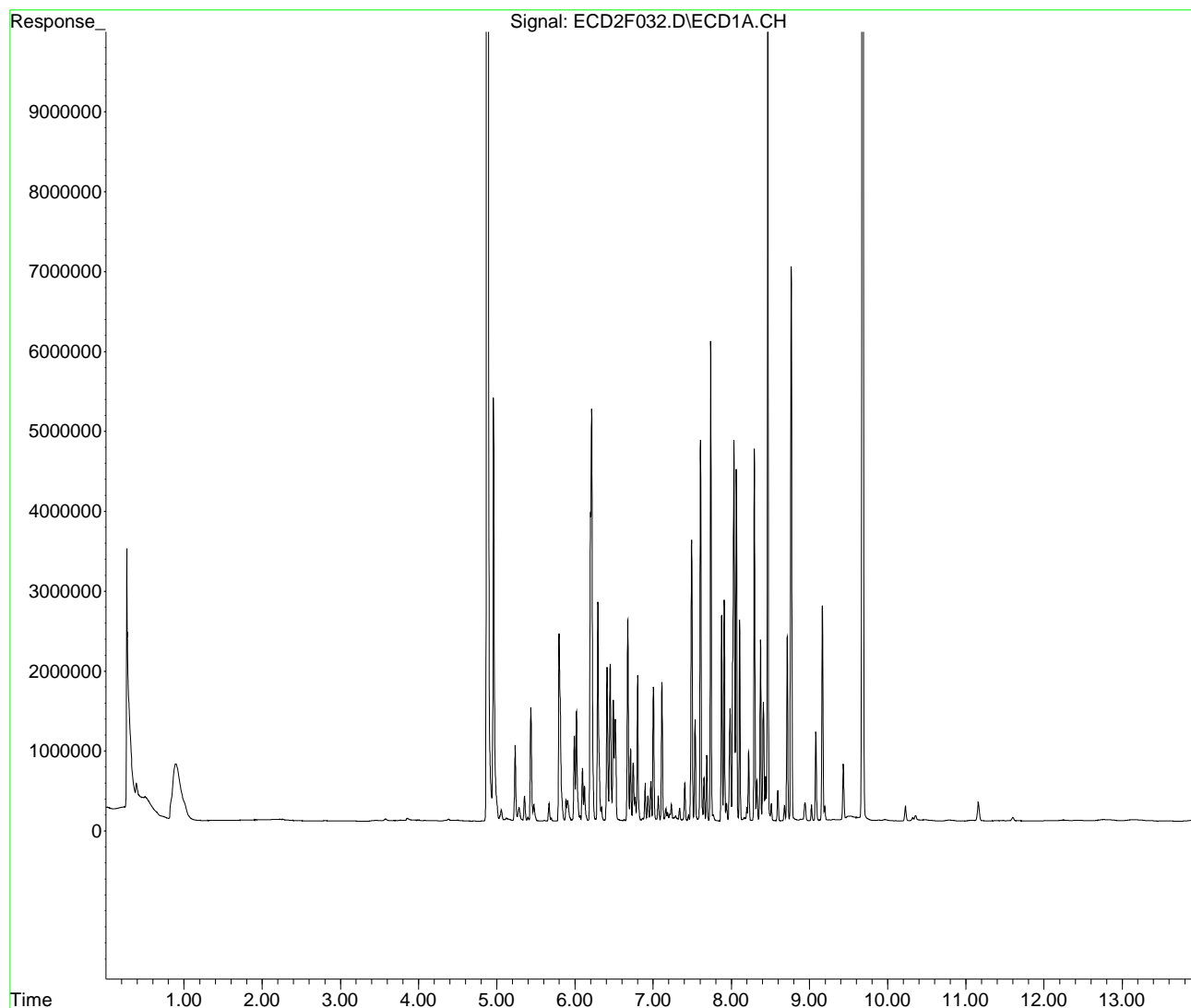
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F032.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 16:17
Operator : MJB / KAK
Sample : 0F29028-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:37:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F033.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 16:34
 Operator : MJB / KAK
 Sample : 0F29028-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 6/30/2020

Clean

Integration File: PCB1.e
 Quant Time: Jun 30 08:37:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|--------------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.880 | 15035711 | 105.862 ng/ml |
| 64) S DCBP (S) | 9.678 | 14177895 | 113.532 ng/ml Q-41 |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.782 | 618 | 0.129 ng/ml |
| 3) Aroclor 1016 (2) | 6.199 | 1837 | 0.182 ng/ml |
| 4) Aroclor 1016 (3) | 6.294 | 1395 | 0.259 ng/ml |
| 5) Aroclor 1016 (4) | 6.447 | 1097 | 0.275 ng/ml |
| 6) Aroclor 1016 (5) | 6.684 | 978 | 0.190 ng/ml |
| 7) Aroclor 1016 (6) | 6.804 | 962 | 0.254 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.233 | 294793 | 169.587 ng/ml |
| 10) Aroclor 1221 (2) | 5.379 | 1331 | 1.196 ng/ml |
| 11) Aroclor 1221 (3) | 5.427 | 6444 | 1.780 ng/ml |
| 12) Aroclor 1221 (4) | 5.899 | 1223 | 2.088 ng/ml |
| 13) Aroclor 1221 (5) | 6.199 | 1837 | 2.623 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.427 | 6444 | 2.125 ng/ml |
| 16) Aroclor 1232 (2) | 6.199 | 1837 | 0.467 ng/ml |
| 17) Aroclor 1232 (3) | 6.294 | 1395 | 0.640 ng/ml |
| 18) Aroclor 1232 (4) | 6.447 | 1097 | 0.851 ng/ml |
| 19) Aroclor 1232 (5) | 6.684 | 978 | 0.535 ng/ml |
| 20) Aroclor 1232 (6) | 6.804 | 962 | 0.625 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.782 | 618 | 0.177 ng/ml |
| 23) Aroclor 1242 (2) | 6.199 | 1837 | 0.245 ng/ml |
| 24) Aroclor 1242 (3) | 6.294 | 1395 | 0.351 ng/ml |
| 25) Aroclor 1242 (4) | 6.447 | 1097 | 0.419 ng/ml |
| 26) Aroclor 1242 (5) | 6.684 | 978 | 0.261 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F033.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 16:34
 Operator : MJB / KAK
 Sample : 0F29028-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 30 08:37:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6) | 6.804 | 962 | 0.293 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.199 | 1837 | 0.397 ng/ml |
| 30) | Aroclor 1248 (2) | 6.447 | 1097 | 0.219 ng/ml |
| 31) | Aroclor 1248 (3) | 6.684 | 978 | 0.160 ng/ml |
| 32) | Aroclor 1248 (4) | 6.965 | 502 | 0.069 ng/ml |
| 33) | Aroclor 1248 (5) | 7.020 | 3731 | 0.474 ng/ml |
| 34) | Aroclor 1248 (6) | 7.495 | 9495 | 2.414 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 6.988 | 1736 | 0.246 ng/ml |
| 37) | Aroclor 1254 (2) | 7.115 | 6593 | 0.772 ng/ml |
| 38) | Aroclor 1254 (3) | 7.495 | 9495 | 0.701 ng/ml |
| 39) | Aroclor 1254 (4) | 7.649 | 15176 | 1.639 ng/ml |
| 40) | Aroclor 1254 (5) | 8.033 | 5156 | 0.558 ng/ml |
| 41) | Aroclor 1254 (6) | 8.334 | 2270 | 0.756 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.606 | 12287 | 1.280 ng/ml |
| 44) | Aroclor 1260 (2) | 7.739 | 9377 | 0.791 ng/ml |
| 45) | Aroclor 1260 (3) | 8.292 | 2943 | 0.317 ng/ml |
| 46) | Aroclor 1260 (4) | 8.464 | 12238 | 0.560 ng/ml |
| 47) | Aroclor 1260 (5) | 8.766 | 9281 | 0.646 ng/ml |
| 48) | Aroclor 1260 (6) | 9.165 | 18763 | 3.157 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.739 | 9377 | 1.034 ng/ml |
| 51) | Aroclor 1262 (2) | 8.060 | 3385 | 0.266 ng/ml |
| 52) | Aroclor 1262 (3) | 8.292 | 2943 | 0.264 ng/ml |
| 53) | Aroclor 1262 (4) | 8.464 | 12238 | 0.512 ng/ml |
| 54) | Aroclor 1262 (5) | 8.766 | 9281 | 0.641 ng/ml |
| 55) | Aroclor 1262 (6) | 9.165 | 18763 | 2.457 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.292 | 2943 | 0.516 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
 Data File : ECD2F033.D
 Signal(s) : ECD1A.CH
 Acq On : 29 Jun 2020 16:34
 Operator : MJB / KAK
 Sample : 0F29028-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 30 08:37:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2) | 8.717 | 6049 | 0.218 ng/ml |
| 59) | Aroclor 1268 (3) | 8.766 | 9281 | 0.394 ng/ml |
| 60) | Aroclor 1268 (4) | 8.946 | 56680 | 2.631 ng/ml |
| 61) | Aroclor 1268 (5) | 9.165 | 18763 | 2.223 ng/ml |
| 62) | Aroclor 1268 (6) | 9.431 | 55519 | 0.861 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

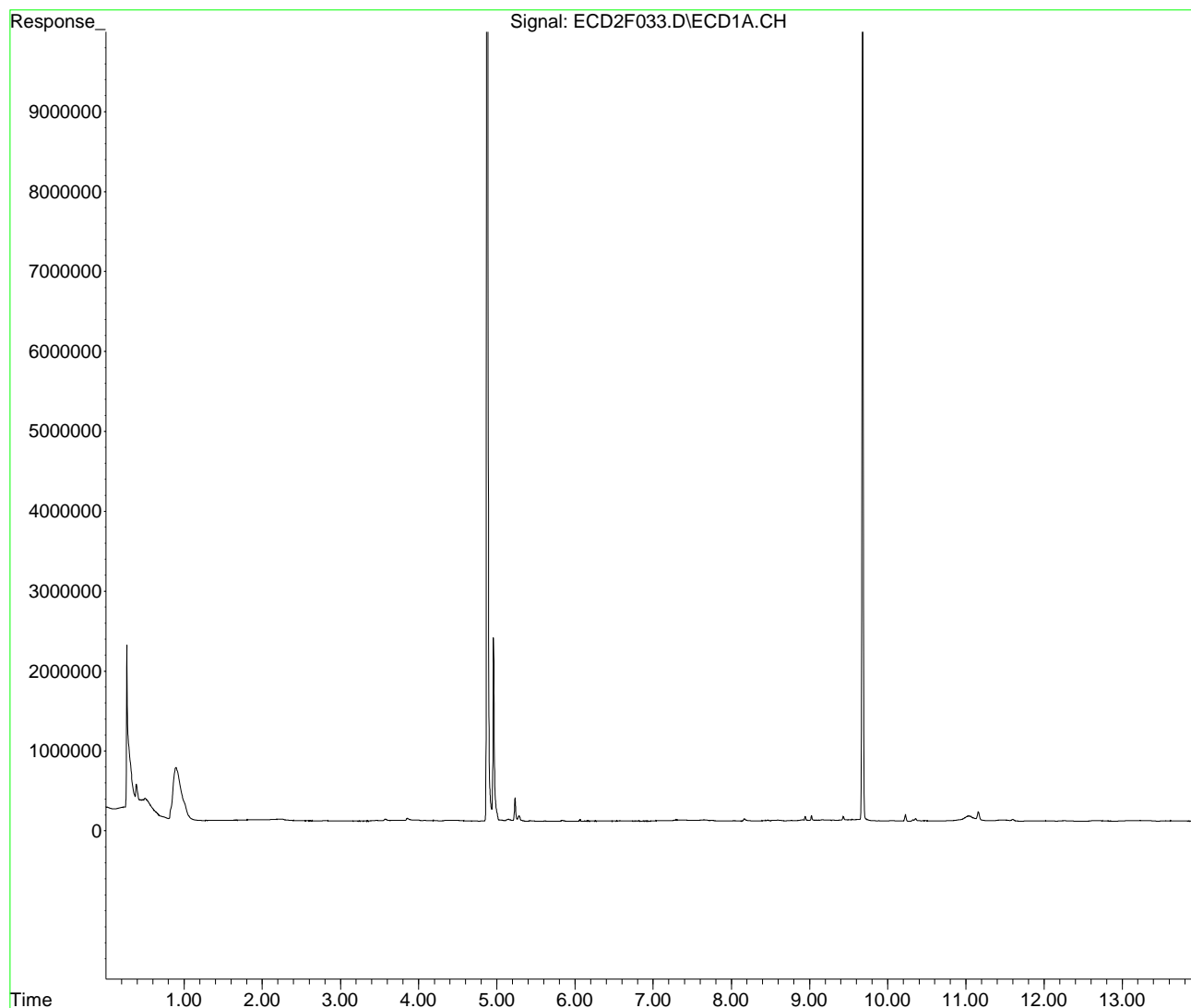
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F033.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 16:34
Operator : MJB / KAK
Sample : 0F29028-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:37:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



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

Sequence 0F22030 (Cal ID A0F2307) DUALECD2F



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0F22030

Instrument: DUALECD2F

Date: 06/22/20 06:10

Calibration: A0F2307

| # | <u>Lab Number</u> | <u>Matrix</u> | <u>Analysis</u> | <u>Client</u> | <u>Due</u> | <u>Batch</u> | <u>ISTD.ID</u> | <u>STD.ID</u> |
|----|-------------------|---------------|-----------------|---------------|------------|--------------|----------------|---------------|
| 1 | 0F22030-ICB1 | Water | QC | QC | | | | A20F087 |
| 2 | 0F22030-CAL1 | Water | QC | QC | | | | A20F180 |
| 3 | 0F22030-CAL2 | Water | QC | QC | | | | A20F181 |
| 4 | 0F22030-CAL3 | Water | QC | QC | | | | A20F183 |
| 5 | 0F22030-CAL4 | Water | QC | QC | | | | A20F184 |
| 6 | 0F22030-CAL5 | Water | QC | QC | | | | A20F177 |
| 7 | 0F22030-CAL6 | Water | QC | QC | | | | A20F178 |
| 8 | 0F22030-CAL7 | Water | QC | QC | | | | A20F179 |
| 9 | 0F22030-IBL1 | Water | QC | QC | | | | |
| 10 | 0F22030-ICV1 | Water | QC | QC | | | | A20B355 |
| 11 | 0F22030-CAL8 | Water | QC | QC | | | | A20C117 |
| 12 | 0F22030-CAL9 | Water | QC | QC | | | | A20B322 |
| 13 | 0F22030-CALA | Water | QC | QC | | | | A20B323 |
| 14 | 0F22030-CALB | Water | QC | QC | | | | A20B324 |
| 15 | 0F22030-CALC | Water | QC | QC | | | | A20B325 |
| 16 | 0F22030-CALD | Water | QC | QC | | | | A20B326 |
| 17 | 0F22030-CALE | Water | QC | QC | | | | A20B327 |
| 18 | 0F22030-ICV2 | Water | QC | QC | | | | A20B353 |
| 19 | 0F22030-ICV3 | Water | QC | QC | | | | A20D351 |
| 20 | 0F22030-ICV4 | Water | QC | QC | | | | A20B354 |
| 21 | 0F22030-ICV5 | Water | QC | QC | | | | A20B130 |

Data Entered By/Date: KAK 6/24/2020

Comments:

Data Reviewed By/Date: MKZ 6/24/2020

6/24/2020 7:55:23AM

Calibration Status Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_200622.M
 Title : PCB Data Analysis
 Last Update : Tue Jun 23 11:23:31 2020
 Response Via : Initial Calibration

KAK 6/23/2020

| # | ID | Conc | ISTD Conc | Path\File |
|---|----|------|--------------|----------------------------|
| 1 | 1 | 10 | 0 | K:\DATA\0F22030\ECD2F010.D |
| 2 | 2 | 25 | 0 | K:\DATA\0F22030\ECD2F011.D |
| 3 | 3 | 50 | 0 | K:\DATA\0F22030\ECD2F012.D |
| 4 | 4 | 100 | 0 | K:\DATA\0F22030\ECD2F013.D |
| 5 | 5 | 250 | 0 | K:\DATA\0F22030\ECD2F021.D |
| 6 | 6 | 500 | 0 | K:\DATA\0F22030\ECD2F015.D |
| 7 | 7 | 800 | 0 | K:\DATA\0F22030\ECD2F016.D |

Calibration: A0F2307

| # | ID | Update Time | Quant Time | Acquisition Time |
|---|----|-------------------|-------------------|-------------------|
| 1 | 1 | Jun 23 10:47 2020 | Jun 23 10:39 2020 | 22 Jun 2020 17:40 |
| 2 | 2 | Jun 23 10:47 2020 | Jun 23 10:40 2020 | 22 Jun 2020 17:58 |
| 3 | 3 | Jun 23 10:47 2020 | Jun 23 10:42 2020 | 22 Jun 2020 18:15 |
| 4 | 4 | Jun 23 10:48 2020 | Jun 23 10:44 2020 | 22 Jun 2020 18:33 |
| 5 | 5 | Jun 23 11:23 2020 | Jun 23 11:14 2020 | 22 Jun 2020 20:54 |
| 6 | 6 | Jun 23 10:48 2020 | Jun 23 10:45 2020 | 22 Jun 2020 19:08 |
| 7 | 7 | Jun 23 10:48 2020 | Jun 23 10:46 2020 | 22 Jun 2020 19:26 |

FECD2_QUANTPCB_200622.M Tue Jun 23 16:04:13 2020

Response Factor Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_200622.M
 Title : PCB Data Analysis
 Last Update : Tue Jun 23 11:23:31 2020
 Response Via : Initial Calibration

KAK 6/23/2020

Calibration Files

1 =ECD2F010.D 2 =ECD2F011.D 3 =ECD2F012.D
 4 =ECD2F013.D 5 =ECD2F021.D 6 =ECD2F015.D

| Compound | 1 | 2 | 3 | 4 | 5 | 6 | Avg | %RSD | | |
|----------------------|-------|-------|-------|-------|-------|-------|-------|------|-------|---|
| 1) S TCMX (S) | 1.321 | 1.346 | 1.380 | 1.353 | 1.432 | 1.496 | 1.420 | E5 | 7.31 | ✓ |
| 2) Aroclor 1016 ... | 5.734 | 5.012 | 4.888 | 4.555 | 4.623 | 4.290 | 4.790 | E3 | 10.12 | ✓ |
| 3) Aroclor 1016 ... | 1.090 | 1.006 | 0.999 | 0.999 | 0.985 | 1.003 | 1.009 | E4 | 3.64 | ✓ |
| 4) Aroclor 1016 ... | 6.112 | 5.445 | 5.461 | 5.186 | 5.199 | 5.141 | 5.386 | E3 | 6.45 | ✓ |
| 5) Aroclor 1016 ... | 4.660 | 4.149 | 4.104 | 3.799 | 3.711 | 3.763 | 3.995 | E3 | 8.54 | ✓ |
| 6) Aroclor 1016 ... | 5.869 | 5.270 | 5.070 | 5.027 | 4.873 | 4.826 | 5.140 | E3 | 6.85 | ✓ |
| 7) Aroclor 1016 (6) | 4.339 | 3.927 | 3.819 | 3.497 | 3.724 | 3.514 | 3.782 | E3 | 7.68 | ✓ |
| 8) Aroclor 1016 ... | | | | | | | 0.000 | | -1.00 | |
| 9) Aroclor 1221 (1) | | | | | 1.738 | | 1.738 | E3 | 0.00 | |
| 10) Aroclor 1221 (2) | | | | | 1.112 | | 1.112 | E3 | 0.00 | |
| 11) Aroclor 1221 (3) | | | | | 3.620 | | 3.620 | E3 | 0.00 | |
| 12) Aroclor 1221 (4) | | | | | 5.857 | | 5.857 | E2 | 0.00 | |
| 13) Aroclor 1221 (5) | | | | | 7.004 | | 7.004 | E2 | 0.00 | |
| 14) Aroclor 1221 ... | | | | | | | 0.000 | | -1.00 | |
| 15) Aroclor 1232 (1) | | | | | 3.032 | | 3.032 | E3 | 0.00 | |
| 16) Aroclor 1232 (2) | | | | | 3.932 | | 3.932 | E3 | 0.00 | |
| 17) Aroclor 1232 (3) | | | | | 2.182 | | 2.182 | E3 | 0.00 | |
| 18) Aroclor 1232 (4) | | | | | 1.290 | | 1.290 | E3 | 0.00 | |
| 19) Aroclor 1232 (5) | | | | | 1.828 | | 1.828 | E3 | 0.00 | |
| 20) Aroclor 1232 (6) | | | | | 1.538 | | 1.538 | E3 | 0.00 | |
| 21) Aroclor 1232 ... | | | | | | | 0.000 | | -1.00 | |
| 22) Aroclor 1242 ... | | | | | 3.503 | | 3.503 | E3 | 0.00 | |
| 23) Aroclor 1242 ... | | | | | 7.503 | | 7.503 | E3 | 0.00 | |
| 24) Aroclor 1242 ... | | | | | 3.975 | | 3.975 | E3 | 0.00 | |
| 25) Aroclor 1242 ... | | | | | 2.616 | | 2.616 | E3 | 0.00 | |
| 26) Aroclor 1242 ... | | | | | 3.747 | | 3.747 | E3 | 0.00 | |
| 27) Aroclor 1242 (6) | | | | | 3.277 | | 3.277 | E3 | 0.00 | |
| 28) Aroclor 1242 ... | | | | | | | 0.000 | | -1.00 | |
| 29) Aroclor 1248 ... | | | | | 4.624 | | 4.624 | E3 | 0.00 | |
| 30) Aroclor 1248 ... | | | | | 5.015 | | 5.015 | E3 | 0.00 | |
| 31) Aroclor 1248 ... | | | | | 6.110 | | 6.110 | E3 | 0.00 | |
| 32) Aroclor 1248 ... | | | | | 7.327 | | 7.327 | E3 | 0.00 | |
| 33) Aroclor 1248 ... | | | | | 7.877 | | 7.877 | E3 | 0.00 | |
| 34) Aroclor 1248 (6) | | | | | 3.933 | | 3.933 | E3 | 0.00 | |
| 35) Aroclor 1248 ... | | | | | | | 0.000 | | -1.00 | |
| 36) Aroclor 1254 ... | | | | | 7.058 | | 7.058 | E3 | 0.00 | |
| 37) Aroclor 1254 ... | | | | | 8.536 | | 8.536 | E3 | 0.00 | |
| 38) Aroclor 1254 ... | | | | | 1.355 | | 1.355 | E4 | 0.00 | |
| 39) Aroclor 1254 ... | | | | | 9.258 | | 9.258 | E3 | 0.00 | |
| 40) Aroclor 1254 ... | | | | | 9.233 | | 9.233 | E3 | 0.00 | |
| 41) Aroclor 1254 (6) | | | | | 3.004 | | 3.004 | E3 | 0.00 | |
| 42) Aroclor 1254 ... | | | | | | | 0.000 | | -1.00 | |

Response Factor Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_200622.M
 Title : PCB Data Analysis
 Last Update : Tue Jun 23 11:23:31 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD2F010.D 2 =ECD2F011.D 3 =ECD2F012.D
 4 =ECD2F013.D 5 =ECD2F021.D 6 =ECD2F015.D

| Compound | | 1 | 2 | 3 | 4 | 5 | 6 | Avg | %RSD | | |
|----------|------------------|-------|-------|-------|-------|-------|-------|-------|------|-------|---|
| 43) | Aroclor 1260 ... | 1.094 | 0.989 | 0.954 | 0.908 | 0.923 | 0.930 | 0.960 | E4 | 6.76 | ✓ |
| 44) | Aroclor 1260 ... | 1.322 | 1.187 | 1.123 | 1.145 | 1.182 | 1.159 | 1.185 | E4 | 5.47 | ✓ |
| 45) | Aroclor 1260 (3) | 1.043 | 0.937 | 0.908 | 0.874 | 0.883 | 0.903 | 0.928 | E4 | 6.15 | ✓ |
| 46) | Aroclor 1260 (4) | 2.294 | 2.128 | 2.107 | 2.062 | 2.189 | 2.216 | 2.187 | E4 | 4.31 | ✓ |
| 47) | Aroclor 1260 (5) | 1.514 | 1.391 | 1.357 | 1.396 | 1.420 | 1.476 | 1.436 | E4 | 4.19 | ✓ |
| 48) | Aroclor 1260 (6) | 7.039 | 6.236 | 5.795 | 5.544 | 5.692 | 5.557 | 5.943 | E3 | 9.01 | ✓ |
| 49) | Aroclor 1260 ... | | | | | | | 0.000 | | -1.00 | |
| 50) | Aroclor 1262 (1) | | | | | 9.072 | | 9.072 | E3 | 0.00 | |
| 51) | Aroclor 1262 (2) | | | | | 1.274 | | 1.274 | E4 | 0.00 | |
| 52) | Aroclor 1262 (3) | | | | | 1.113 | | 1.113 | E4 | 0.00 | |
| 53) | Aroclor 1262 (4) | | | | | 2.389 | | 2.389 | E4 | 0.00 | |
| 54) | Aroclor 1262 (5) | | | | | 1.448 | | 1.448 | E4 | 0.00 | |
| 55) | Aroclor 1262 (6) | | | | | 7.636 | | 7.636 | E3 | 0.00 | |
| 56) | Aroclor 1262 ... | | | | | | | 0.000 | | -1.00 | |
| 57) | Aroclor 1268 (1) | | | | | 5.706 | | 5.706 | E3 | 0.00 | |
| 58) | Aroclor 1268 (2) | | | | | 2.774 | | 2.774 | E4 | 0.00 | |
| 59) | Aroclor 1268 (3) | | | | | 2.355 | | 2.355 | E4 | 0.00 | |
| 60) | Aroclor 1268 (4) | | | | | 2.154 | | 2.154 | E4 | 0.00 | |
| 61) | Aroclor 1268 (5) | | | | | 8.441 | | 8.441 | E3 | 0.00 | |
| 62) | Aroclor 1268 (6) | | | | | 6.445 | | 6.445 | E4 | 0.00 | |
| 63) | Aroclor 1268 ... | | | | | | | 0.000 | | -1.00 | |
| 64) S | DCBP (S) | 1.223 | 1.160 | 1.176 | 1.218 | 1.252 | 1.321 | 1.249 | E5 | 6.56 | ✓ |

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

Compound List Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_200622.M
 Title : PCB Data Analysis
 Last Update : Tue Jun 23 11:23:31 2020
 Response Via : Initial Calibration

KAK 6/23/2020

Total Cpnds : 64

| PK# | Compound Name | Exp_RT | Rel_RT | Cal | A/H | ID |
|-----|--------------------|--------|--------|-----|-----|----|
| 1 | S TCMX (S) | 4.879 | 1.000 | A | H | L |
| 2 | Aroclor 1016 (1) | 5.797 | 1.000 | A | H | R |
| 3 | Aroclor 1016 (2) | 6.210 | 1.000 | A | H | R |
| 4 | Aroclor 1016 (3) | 6.292 | 1.000 | A | H | R |
| 5 | Aroclor 1016 (4) | 6.450 | 1.000 | A | H | R |
| 6 | Aroclor 1016 (5) | 6.673 | 1.000 | A | H | R |
| 7 | Aroclor 1016 (6) | 6.800 | 1.000 | A | H | R |
| 8 | Aroclor 1016 - AVE | 0.839 | 1.000 | A | H | R |
| 9 | Aroclor 1221 (1) | 5.236 | 1.000 | A | H | R |
| 10 | Aroclor 1221 (2) | 5.355 | 1.000 | A | H | R |
| 11 | Aroclor 1221 (3) | 5.435 | 1.000 | A | H | R |
| 12 | Aroclor 1221 (4) | 5.903 | 1.000 | A | H | R |
| 13 | Aroclor 1221 (5) | 6.210 | 1.000 | A | H | R |
| 14 | Aroclor 1221 - AVE | 0.839 | 1.000 | A | H | R |
| 15 | Aroclor 1232 (1) | 5.435 | 1.000 | A | H | R |
| 16 | Aroclor 1232 (2) | 6.210 | 1.000 | A | H | R |
| 17 | Aroclor 1232 (3) | 6.292 | 1.000 | A | H | R |
| 18 | Aroclor 1232 (4) | 6.449 | 1.000 | A | H | R |
| 19 | Aroclor 1232 (5) | 6.673 | 1.000 | A | H | R |
| 20 | Aroclor 1232 (6) | 6.800 | 1.000 | A | H | R |
| 21 | Aroclor 1232 - AVE | 0.839 | 1.000 | A | H | R |
| 22 | Aroclor 1242 (1) | 5.797 | 1.000 | A | H | R |
| 23 | Aroclor 1242 (2) | 6.210 | 1.000 | A | H | R |
| 24 | Aroclor 1242 (3) | 6.291 | 1.000 | A | H | R |
| 25 | Aroclor 1242 (4) | 6.450 | 1.000 | A | H | R |
| 26 | Aroclor 1242 (5) | 6.673 | 1.000 | A | H | R |
| 27 | Aroclor 1242 (6) | 6.800 | 1.000 | A | H | R |
| 28 | Aroclor 1242 - AVE | 0.839 | 1.000 | A | H | R |
| 29 | Aroclor 1248 (1) | 6.211 | 1.000 | A | H | R |
| 30 | Aroclor 1248 (2) | 6.451 | 1.000 | A | H | R |
| 31 | Aroclor 1248 (3) | 6.673 | 1.000 | A | H | R |
| 32 | Aroclor 1248 (4) | 6.968 | 1.000 | A | H | R |
| 33 | Aroclor 1248 (5) | 7.006 | 1.000 | A | H | R |
| 34 | Aroclor 1248 (6) | 7.484 | 1.000 | A | H | R |
| 35 | Aroclor 1248 - AVE | 0.839 | 1.000 | A | H | R |
| 36 | Aroclor 1254 (1) | 7.003 | 1.000 | A | H | R |
| 37 | Aroclor 1254 (2) | 7.111 | 1.000 | A | H | R |
| 38 | Aroclor 1254 (3) | 7.485 | 1.000 | A | H | R |
| 39 | Aroclor 1254 (4) | 7.649 | 1.000 | A | H | R |
| 40 | Aroclor 1254 (5) | 8.032 | 1.000 | A | H | R |
| 41 | Aroclor 1254 (6) | 8.325 | 1.000 | A | H | R |
| 42 | Aroclor 1254 - AVE | 0.839 | 1.000 | A | H | R |
| 43 | Aroclor 1260 (1) | 7.603 | 1.000 | A | H | R |
| 44 | Aroclor 1260 (2) | 7.735 | 1.000 | A | H | R |
| 45 | Aroclor 1260 (3) | 8.295 | 1.000 | A | H | R |
| 46 | Aroclor 1260 (4) | 8.464 | 1.000 | A | H | R |
| 47 | Aroclor 1260 (5) | 8.765 | 1.000 | A | H | R |
| 48 | Aroclor 1260 (6) | 9.164 | 1.000 | A | H | R |
| 49 | Aroclor 1260 - AVE | 0.839 | 1.000 | A | H | R |
| 50 | Aroclor 1262 (1) | 7.736 | 1.000 | A | H | R |
| 51 | Aroclor 1262 (2) | 8.062 | 1.000 | A | H | R |
| 52 | Aroclor 1262 (3) | 8.295 | 1.000 | A | H | R |
| 53 | Aroclor 1262 (4) | 8.464 | 1.000 | A | H | R |
| 54 | Aroclor 1262 (5) | 8.764 | 1.000 | A | H | R |
| 55 | Aroclor 1262 (6) | 9.163 | 1.000 | A | H | R |
| 56 | Aroclor 1262 - AVE | 0.839 | 1.000 | A | H | R |

| | | | | | | |
|----|--------------------|-------|-------|---|---|---|
| 57 | Aroclor 1268 (1) | 8.287 | 1.000 | A | H | R |
| 58 | Aroclor 1268 (2) | 8.714 | 1.000 | A | H | R |
| 59 | Aroclor 1268 (3) | 8.761 | 1.000 | A | H | R |
| 60 | Aroclor 1268 (4) | 8.945 | 1.000 | A | H | R |
| 61 | Aroclor 1268 (5) | 9.164 | 1.000 | A | H | R |
| 62 | Aroclor 1268 (6) | 9.433 | 1.000 | A | H | R |
| 63 | Aroclor 1268 - AVE | 0.842 | 1.000 | A | H | R |
| 64 | S DCBP (S) | 9.678 | 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_200622.M Tue Jun 23 16:04:02 2020

Element Calibration Review Sheet

Calibration ID: **A0F2307**

Instrument: **DUALECD2F**

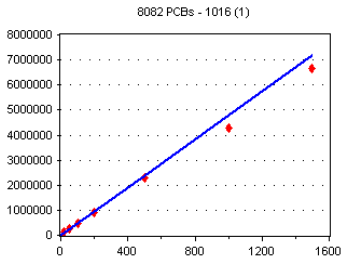
Calibration Date: **06/23/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20062**

1016 (1)

Curve Fit: **AVERAGE RF**

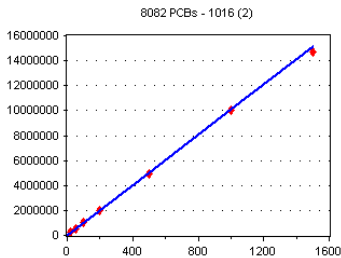


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0F22030-CAL1 | 20 | 114671 | 5733.550 | 5.80 |
| 0F22030-CAL2 | 50 | 250610 | 5012.200 | 5.80 |
| 0F22030-CAL3 | 100 | 488759 | 4887.590 | 5.80 |
| 0F22030-CAL4 | 200 | 910941 | 4554.705 | 5.80 |
| 0F22030-CAL5 | 500 | 2311712 | 4623.424 | 5.80 |
| 0F22030-CAL6 | 1000 | 4290376 | 4290.376 | 5.80 |
| 0F22030-CAL7 | 1500 | 6647447 | 4431.631 | 5.80 |

AVE RF **4790.497** RF RSD **10.12** AVE RT **5.80**

1016 (2)

Curve Fit: **AVERAGE RF**

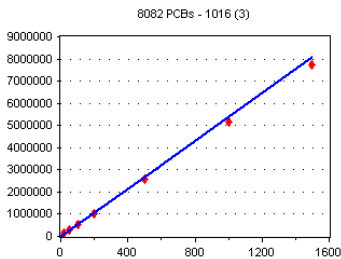


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0F22030-CAL1 | 20 | 217974 | 10898.700 | 6.21 |
| 0F22030-CAL2 | 50 | 502949 | 10058.980 | 6.21 |
| 0F22030-CAL3 | 100 | 999098 | 9990.980 | 6.21 |
| 0F22030-CAL4 | 200 | 1998027 | 9990.135 | 6.21 |
| 0F22030-CAL5 | 500 | 4925919 | 9851.838 | 6.21 |
| 0F22030-CAL6 | 1000 | 003204E+07 | 10032.040 | 6.21 |
| 0F22030-CAL7 | 1500 | 472006E+07 | 9813.373 | 6.21 |

AVE RF **10090.860** RF RSD **3.64** AVE RT **6.21**

1016 (3)

Curve Fit: **AVERAGE RF**

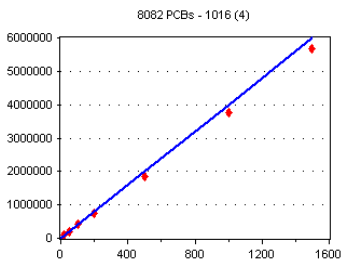


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0F22030-CAL1 | 20 | 122243 | 6112.150 | 6.29 |
| 0F22030-CAL2 | 50 | 272260 | 5445.200 | 6.29 |
| 0F22030-CAL3 | 100 | 546054 | 5460.540 | 6.29 |
| 0F22030-CAL4 | 200 | 1037136 | 5185.680 | 6.29 |
| 0F22030-CAL5 | 500 | 2599280 | 5198.560 | 6.29 |
| 0F22030-CAL6 | 1000 | 5140921 | 5140.921 | 6.29 |
| 0F22030-CAL7 | 1500 | 7735185 | 5156.790 | 6.29 |

AVE RF **5385.692** RF RSD **6.45** AVE RT **6.29**

1016 (4)

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0F22030-CAL1 | 20 | 93210 | 4660.500 | 6.45 |
| 0F22030-CAL2 | 50 | 207464 | 4149.280 | 6.45 |
| 0F22030-CAL3 | 100 | 410421 | 4104.210 | 6.45 |
| 0F22030-CAL4 | 200 | 759854 | 3799.270 | 6.45 |
| 0F22030-CAL5 | 500 | 1855679 | 3711.358 | 6.45 |
| 0F22030-CAL6 | 1000 | 3762955 | 3762.955 | 6.45 |
| 0F22030-CAL7 | 1500 | 5666348 | 3777.565 | 6.45 |

AVE RF **3995.020** RF RSD **8.54** AVE RT **6.45**

Element Calibration Review Sheet

Calibration ID: **A0F2307**

Instrument: **DUALECD2F**

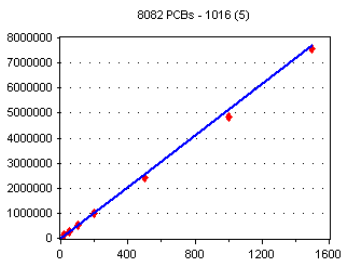
Calibration Date: **06/23/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20062**

1016 (5)

Curve Fit: **AVERAGE RF**

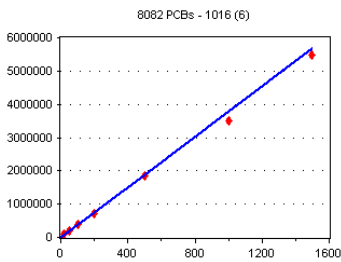


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0F22030-CAL1 | 20 | 117378 | 5868.900 | 6.67 |
| 0F22030-CAL2 | 50 | 263506 | 5270.120 | 6.67 |
| 0F22030-CAL3 | 100 | 507036 | 5070.360 | 6.67 |
| 0F22030-CAL4 | 200 | 1005387 | 5026.935 | 6.67 |
| 0F22030-CAL5 | 500 | 2436748 | 4873.496 | 6.67 |
| 0F22030-CAL6 | 1000 | 4825909 | 4825.909 | 6.67 |
| 0F22030-CAL7 | 1500 | 7568085 | 5045.390 | 6.67 |

AVE RF **5140.159** **RF RSD** **6.85** **AVE RT** **6.67**

1016 (6)

Curve Fit: **AVERAGE RF**

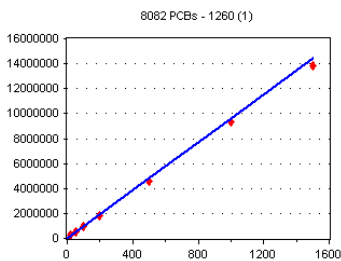


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0F22030-CAL1 | 20 | 86779 | 4338.950 | 6.80 |
| 0F22030-CAL2 | 50 | 196343 | 3926.860 | 6.80 |
| 0F22030-CAL3 | 100 | 381893 | 3818.930 | 6.80 |
| 0F22030-CAL4 | 200 | 699487 | 3497.435 | 6.80 |
| 0F22030-CAL5 | 500 | 1862202 | 3724.404 | 6.80 |
| 0F22030-CAL6 | 1000 | 3513537 | 3513.537 | 6.80 |
| 0F22030-CAL7 | 1500 | 5477513 | 3651.675 | 6.80 |

AVE RF **3781.685** **RF RSD** **7.68** **AVE RT** **6.80**

1260 (1)

Curve Fit: **AVERAGE RF**

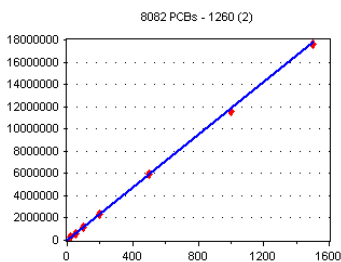


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0F22030-CAL1 | 20 | 218884 | 10944.200 | 7.60 |
| 0F22030-CAL2 | 50 | 494275 | 9885.500 | 7.60 |
| 0F22030-CAL3 | 100 | 953992 | 9539.920 | 7.60 |
| 0F22030-CAL4 | 200 | 1816042 | 9080.210 | 7.60 |
| 0F22030-CAL5 | 500 | 4613025 | 9226.050 | 7.60 |
| 0F22030-CAL6 | 1000 | 9304677 | 9304.677 | 7.60 |
| 0F22030-CAL7 | 1500 | 383827E+07 | 9225.514 | 7.61 |

AVE RF **9600.867** **RF RSD** **6.76** **AVE RT** **7.60**

1260 (2)

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0F22030-CAL1 | 20 | 264494 | 13224.700 | 7.74 |
| 0F22030-CAL2 | 50 | 593624 | 11872.480 | 7.74 |
| 0F22030-CAL3 | 100 | 1122579 | 11225.790 | 7.74 |
| 0F22030-CAL4 | 200 | 2289230 | 11446.150 | 7.74 |
| 0F22030-CAL5 | 500 | 5911126 | 11822.250 | 7.74 |
| 0F22030-CAL6 | 1000 | 158969E+07 | 11589.690 | 7.74 |
| 0F22030-CAL7 | 1500 | 763214E+07 | 11754.760 | 7.74 |

AVE RF **11847.970** **RF RSD** **5.47** **AVE RT** **7.74**

Element Calibration Review Sheet

Calibration ID: **A0F2307**

Instrument: **DUALECD2F**

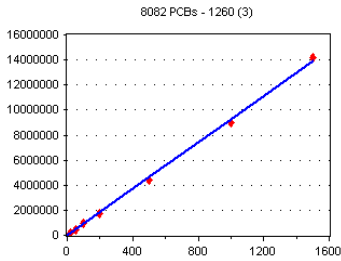
Calibration Date: **06/23/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20062**

1260 (3)

Curve Fit: **AVERAGE RF**

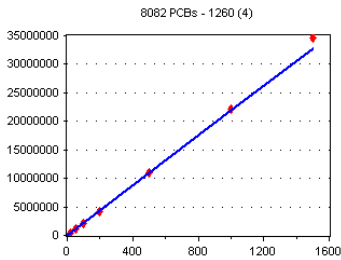


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0F22030-CAL1 | 20 | 208593 | 10429.650 | 8.30 |
| 0F22030-CAL2 | 50 | 468508 | 9370.160 | 8.29 |
| 0F22030-CAL3 | 100 | 908162 | 9081.620 | 8.30 |
| 0F22030-CAL4 | 200 | 1747877 | 8739.385 | 8.29 |
| 0F22030-CAL5 | 500 | 4415322 | 8830.644 | 8.30 |
| 0F22030-CAL6 | 1000 | 9034721 | 9034.721 | 8.30 |
| 0F22030-CAL7 | 1500 | 417967E+07 | 9453.113 | 8.30 |

AVE RF **9277.042** **RF RSD** **6.15** **AVE RT** **8.30**

1260 (4)

Curve Fit: **AVERAGE RF**

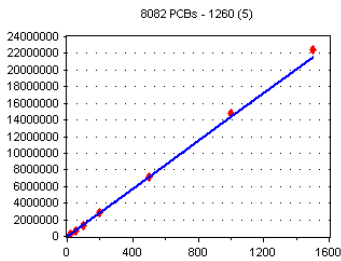


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0F22030-CAL1 | 20 | 458871 | 22943.550 | 8.47 |
| 0F22030-CAL2 | 50 | 1063915 | 21278.300 | 8.46 |
| 0F22030-CAL3 | 100 | 2106967 | 21069.670 | 8.46 |
| 0F22030-CAL4 | 200 | 4124364 | 20621.820 | 8.46 |
| 0F22030-CAL5 | 500 | 094468E+07 | 21889.360 | 8.47 |
| 0F22030-CAL6 | 1000 | 215559E+07 | 22155.590 | 8.47 |
| 0F22030-CAL7 | 1500 | 466666E+07 | 23111.110 | 8.47 |

AVE RF **21867.060** **RF RSD** **4.31** **AVE RT** **8.46**

1260 (5)

Curve Fit: **AVERAGE RF**

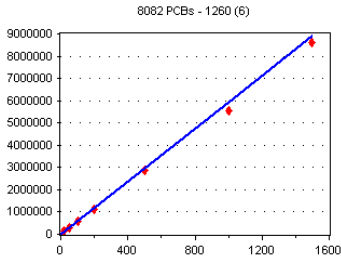


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0F22030-CAL1 | 20 | 302800 | 15140.000 | 8.77 |
| 0F22030-CAL2 | 50 | 695563 | 13911.260 | 8.76 |
| 0F22030-CAL3 | 100 | 1356736 | 13567.360 | 8.77 |
| 0F22030-CAL4 | 200 | 2791057 | 13955.290 | 8.76 |
| 0F22030-CAL5 | 500 | 7098160 | 14196.320 | 8.77 |
| 0F22030-CAL6 | 1000 | 476204E+07 | 14762.040 | 8.77 |
| 0F22030-CAL7 | 1500 | 247284E+07 | 14981.890 | 8.77 |

AVE RF **14359.170** **RF RSD** **4.19** **AVE RT** **8.77**

1260 (6)

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0F22030-CAL1 | 20 | 140770 | 7038.500 | 9.16 |
| 0F22030-CAL2 | 50 | 311796 | 6235.920 | 9.16 |
| 0F22030-CAL3 | 100 | 579494 | 5794.940 | 9.16 |
| 0F22030-CAL4 | 200 | 1108866 | 5544.330 | 9.16 |
| 0F22030-CAL5 | 500 | 2845981 | 5691.962 | 9.16 |
| 0F22030-CAL6 | 1000 | 5556964 | 5556.964 | 9.16 |
| 0F22030-CAL7 | 1500 | 8609687 | 5739.792 | 9.16 |

AVE RF **5943.201** **RF RSD** **9.01** **AVE RT** **9.16**

Element Calibration Review Sheet

Calibration ID: **A0F2307**

Instrument: **DUALECD2F**

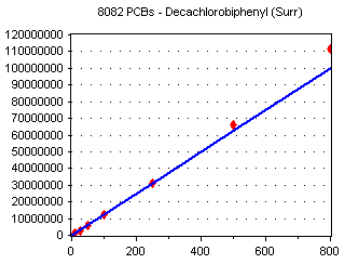
Calibration Date: **06/23/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20062**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



| <u>Standard</u> | <u>Concentration</u> | <u>Response</u> | <u>Response Factor</u> | <u>RT</u> |
|-----------------|----------------------|-----------------|------------------------|-----------|
| 0F22030-CAL1 | 10 | 1222731 | 122273.100 | 9.68 |
| 0F22030-CAL2 | 25 | 2901210 | 116048.400 | 9.68 |
| 0F22030-CAL3 | 50 | 5880384 | 117607.700 | 9.68 |
| 0F22030-CAL4 | 100 | 218009E+07 | 121800.900 | 9.68 |
| 0F22030-CAL5 | 250 | 129366E+07 | 125174.600 | 9.68 |
| 0F22030-CAL6 | 500 | 605183E+07 | 132103.700 | 9.68 |
| 0F22030-CAL7 | 800 | 113203E+08 | 139150.400 | 9.68 |

AVE RF **124879.800** RF RSD **6.56** AVE RT **9.68**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F22030

Analysis Included

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

INSTRUMENT SEQUENCE LOG

| <u>SampleID</u> | <u>SampleName</u> | <u>Matrix</u> | <u>STDID</u> | <u>ISTD_ID</u> | <u>Analyzed</u> |
|-----------------|-------------------|---------------|--------------|----------------|----------------------|
| 0F22030-ICB1 | Initial Cal Blank | Water | A20F087 | | 6/22/2020 5:22:00PM |
| 0F22030-CAL1 | Cal Standard | Water | A20F180 | " | 6/22/2020 5:40:00PM |
| 0F22030-CAL2 | Cal Standard | Water | A20F181 | " | 6/22/2020 5:58:00PM |
| 0F22030-CAL3 | Cal Standard | Water | A20F183 | " | 6/22/2020 6:15:00PM |
| 0F22030-CAL4 | Cal Standard | Water | A20F184 | " | 6/22/2020 6:33:00PM |
| 0F22030-CAL5 | Cal Standard | Water | A20F177 | " | 6/22/2020 6:51:00PM |
| 0F22030-CAL6 | Cal Standard | Water | A20F178 | " | 6/22/2020 7:08:00PM |
| 0F22030-CAL7 | Cal Standard | Water | A20F179 | " | 6/22/2020 7:26:00PM |
| 0F22030-ICV1 | Initial Cal Check | Water | A20B355 | " | 6/22/2020 8:01:00PM |
| 0F22030-CAL8 | Cal Standard | Water | A20C117 | " | 6/22/2020 8:19:00PM |
| 0F22030-CAL9 | Cal Standard | Water | A20B322 | " | 6/22/2020 8:37:00PM |
| 0F22030-CALA | Cal Standard | Water | A20B323 | " | 6/22/2020 8:54:00PM |
| 0F22030-CALB | Cal Standard | Water | A20B324 | " | 6/22/2020 9:12:00PM |
| 0F22030-CALC | Cal Standard | Water | A20B325 | " | 6/22/2020 9:29:00PM |
| 0F22030-CALD | Cal Standard | Water | A20B326 | " | 6/22/2020 9:47:00PM |
| 0F22030-CALE | Cal Standard | Water | A20B327 | " | 6/22/2020 10:05:00PM |
| 0F22030-ICV2 | Initial Cal Check | Water | A20B353 | " | 6/22/2020 10:22:00PM |
| 0F22030-ICV3 | Initial Cal Check | Water | A20D351 | " | 6/22/2020 10:40:00PM |
| 0F22030-ICV4 | Initial Cal Check | Water | A20B354 | " | 6/22/2020 10:58:00PM |
| 0F22030-ICV5 | Initial Cal Check | Water | A20B130 | " | 6/22/2020 11:15:00PM |

CALIBRATION STANDARD RECOVERIES

Calibration: **A0F2307**

Instrument: **DUALECD2F**

1311/8082 TCLP PCBs

Sequence: **0F22030**

Matrix: **Water**

0F22030-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 |

| | | | | |
|--------|------|------|---|--|
| 0.0000 | 0.00 | 20.0 | 0 | |
| 0.0000 | 0.00 | 20.0 | 0 | |

0F22030-CAL2

| Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
|-----------|-------------|-----------|-------|------|
|-----------|-------------|-----------|-------|------|

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

| | | | | |
|--------|------|------|---|--|
| 0.0000 | 0.00 | 50.0 | 0 | |
| 0.0000 | 0.00 | 50.0 | 0 | |

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F22030

| 0F22030-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 | |
| 0F22030-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 | |
| 0F22030-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 | |
| 0F22030-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 | |
| 0F22030-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 | |
| 0F22030-CAL8 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1221 | 0.0000 | 0.00 | 500 | 0 | |
| 0F22030-CAL9 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1232 | 0.0000 | 0.00 | 500 | 0 | |
| 0F22030-CALA | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1242 | 0.0000 | 0.00 | 500 | 0 | |
| 0F22030-CALB | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1248 | 0.0000 | 0.00 | 500 | 0 | |
| 0F22030-CALC | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1254 | 0.0000 | 0.00 | 500 | 0 | |
| 0F22030-CALD | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1262 | 0.0000 | 0.00 | 500 | 0 | |
| 0F22030-CALE | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1268 | 0.0000 | 0.00 | 500 | 0 | |

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

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F22030

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: **A0F2307**

Instrument: **DUALECD2F**

608.3 PCBs - LL (1000/1mL) +

Sequence: **0F22030**

Matrix: **Water**

| 0F22030-ICV1 | Inst. MRL | ICV Level | Result | %Rec. | Qual |
|--------------|-----------|-----------|--------|-------|------|
| 1260 (6) | 20 | 500 | 333.03 | 67 | |
| 1260 (6) | 20 | 500 | 333.03 | 67 | |
| 1260 (6) | 20 | 500 | 333.03 | 67 | |
| 1260 (6) | 20 | 500 | 333.03 | 67 | |
| 1260 (6) | 20 | 500 | 333.03 | 67 | |
| 1260 (6) | 20 | 500 | 333.03 | 67 | |
| 1260 (6) | 20 | 500 | 333.03 | 67 | |
| 1260 (6) | 20 | 500 | 333.03 | 67 | |
| 1260 (6) | 20 | 500 | 333.03 | 67 | |
| 1260 (6) | 20 | 500 | 333.03 | 67 | |
| 1260 (6) | 20 | 500 | 333.03 | 67 | |
| 1260 (6) | 20 | 500 | 333.03 | 67 | |

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:22
 Operator : MJB / KAK
 Sample : 0F22030-ICB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e Clean
 Quant Time: Jun 23 13:51:52 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.879 | 14889065 | 104.829 ng/ml |
| 64) S DCBP (S) | 9.679 | 12783530 | 102.367 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.778 | 10919 | 2.279 ng/ml |
| 3) Aroclor 1016 (2) | 6.204 | 23314 | 2.310 ng/ml |
| 4) Aroclor 1016 (3) | 6.293 | 14895 | 2.766 ng/ml |
| 5) Aroclor 1016 (4) | 6.452 | 14311 | 3.582 ng/ml |
| 6) Aroclor 1016 (5) | 6.674 | 369 | 0.072 ng/ml |
| 7) Aroclor 1016 (6) | 6.804 | 3490 | 0.923 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.234 | 292148 | 168.066 ng/ml |
| 10) Aroclor 1221 (2) | 5.367 | 5657 | 5.086 ng/ml |
| 11) Aroclor 1221 (3) | 5.422 | 21945 | 6.062 ng/ml |
| 12) Aroclor 1221 (4) | 5.899 | 10291 | 17.570 ng/ml |
| 13) Aroclor 1221 (5) | 6.204 | 23314 | 33.286 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.422 | 21945 | 7.238 ng/ml |
| 16) Aroclor 1232 (2) | 6.204 | 23314 | 5.929 ng/ml |
| 17) Aroclor 1232 (3) | 6.293 | 14895 | 6.827 ng/ml |
| 18) Aroclor 1232 (4) | 6.452 | 14311 | 11.097 ng/ml |
| 19) Aroclor 1232 (5) | 6.674 | 369 | 0.202 ng/ml |
| 20) Aroclor 1232 (6) | 6.804 | 3490 | 2.269 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.778 | 10919 | 3.117 ng/ml |
| 23) Aroclor 1242 (2) | 6.204 | 23314 | 3.107 ng/ml |
| 24) Aroclor 1242 (3) | 6.293 | 14895 | 3.747 ng/ml |
| 25) Aroclor 1242 (4) | 6.452 | 14311 | 5.471 ng/ml |
| 26) Aroclor 1242 (5) | 6.674 | 369 | 0.099 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:22
 Operator : MJB / KAK
 Sample : 0F22030-ICB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:51:52 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6) | 6.804 | 3490 | 1.065 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.204 | 23314 | 5.042 ng/ml |
| 30) | Aroclor 1248 (2) | 6.452 | 14311 | 2.854 ng/ml |
| 31) | Aroclor 1248 (3) | 6.674 | 369 | 0.060 ng/ml |
| 32) | Aroclor 1248 (4) | 6.957 | 4625 | 0.631 ng/ml |
| 33) | Aroclor 1248 (5) | 7.017 | 11401 | 1.447 ng/ml |
| 34) | Aroclor 1248 (6) | 7.494 | 4643 | 1.181 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 7.017 | 11401 | 1.615 ng/ml |
| 37) | Aroclor 1254 (2) | 7.112 | 9073 | 1.063 ng/ml |
| 38) | Aroclor 1254 (3) | 7.494 | 4643 | 0.343 ng/ml |
| 39) | Aroclor 1254 (4) | 7.648 | 3925 | 0.424 ng/ml |
| 40) | Aroclor 1254 (5) | 8.046 | 14472 | 1.567 ng/ml |
| 41) | Aroclor 1254 (6) | 8.325 | 5223 | 1.739 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.601 | 2011 | 0.209 ng/ml |
| 44) | Aroclor 1260 (2) | 7.730 | 2295 | 0.194 ng/ml |
| 45) | Aroclor 1260 (3) | 8.292 | 6341 | 0.684 ng/ml |
| 46) | Aroclor 1260 (4) | 8.462 | 21527 | 0.984 ng/ml |
| 47) | Aroclor 1260 (5) | 8.767 | 7795 | 0.543 ng/ml |
| 48) | Aroclor 1260 (6) | 9.156 | 9475 | 1.594 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.730 | 2295 | 0.253 ng/ml |
| 51) | Aroclor 1262 (2) | 8.046 | 14472 | 1.136 ng/ml |
| 52) | Aroclor 1262 (3) | 8.292 | 6341 | 0.570 ng/ml |
| 53) | Aroclor 1262 (4) | 8.462 | 21527 | 0.901 ng/ml |
| 54) | Aroclor 1262 (5) | 8.767 | 7795 | 0.538 ng/ml |
| 55) | Aroclor 1262 (6) | 9.156 | 9475 | 1.241 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.292 | 6341 | 1.111 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:22
 Operator : MJB / KAK
 Sample : 0F22030-ICB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:51:52 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2) | 8.712 | 6457 | 0.233 ng/ml |
| 59) | Aroclor 1268 (3) | 8.767 | 7795 | 0.331 ng/ml |
| 60) | Aroclor 1268 (4) | 8.946 | 54769 | 2.542 ng/ml |
| 61) | Aroclor 1268 (5) | 9.156 | 9475 | 1.123 ng/ml |
| 62) | Aroclor 1268 (6) | 9.433 | 51606 | 0.801 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

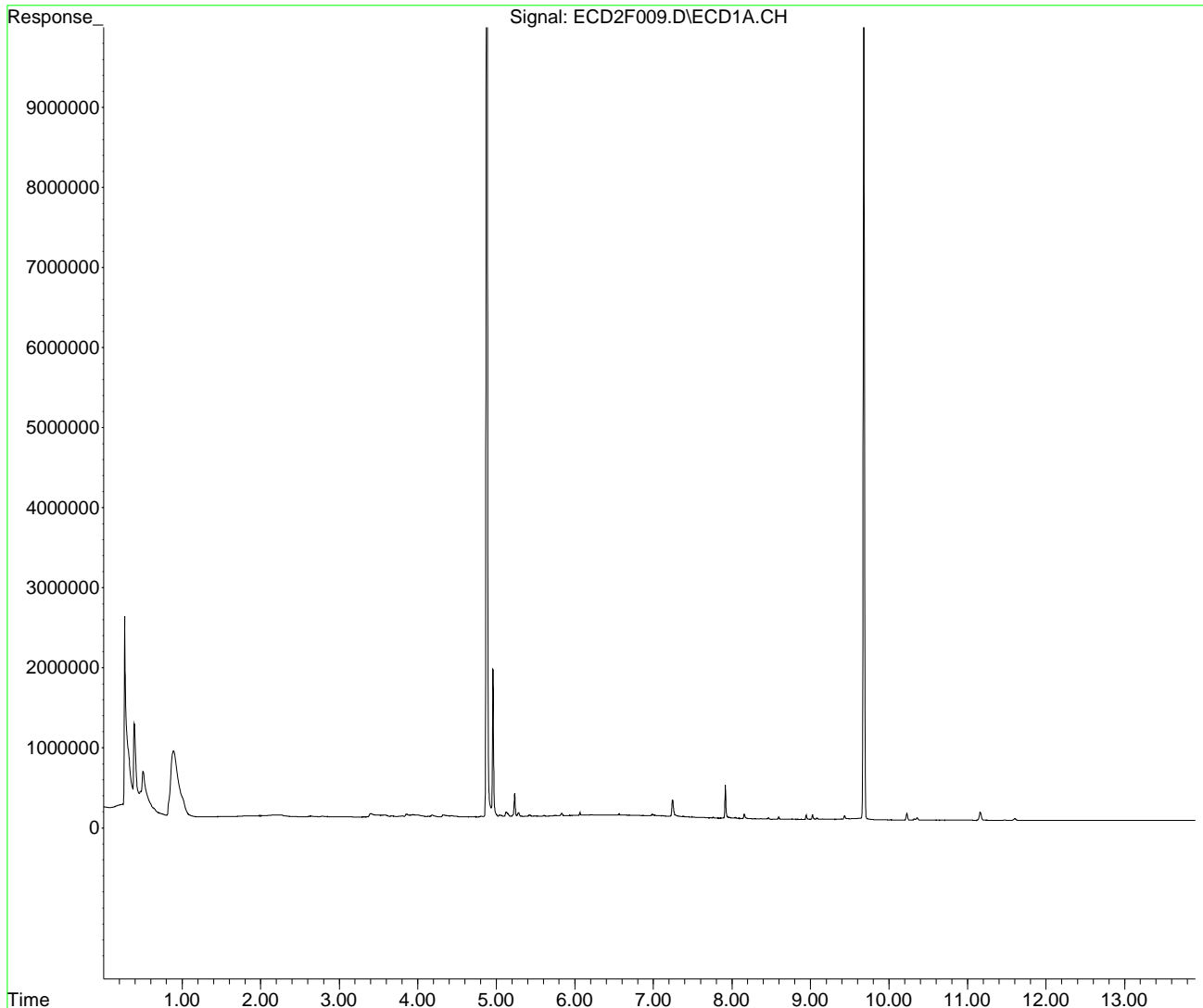
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:22
Operator : MJB / KAK
Sample : 0F22030-ICB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:51:52 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:44
 Operator : MJB / KAK
 Sample : 0F22030-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

KAK 6/23/2020

No Carryover

Integration File: PCB1.e
 Quant Time: Jun 23 13:52:11 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|--------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.874 | 12741 | 0.090 ng/ml |
| 64) S DCBP (S) | 9.678 | 14225 | 0.114 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.794 | 4992 | 1.042 ng/ml |
| 3) Aroclor 1016 (2) | 6.212 | 13005 | 1.289 ng/ml |
| 4) Aroclor 1016 (3) | 6.289 | 4212 | 0.782 ng/ml |
| 5) Aroclor 1016 (4) | 6.446 | 2218 | 0.555 ng/ml |
| 6) Aroclor 1016 (5) | 6.667 | 482 | 0.094 ng/ml |
| 7) Aroclor 1016 (6) | 6.803 | 2259 | 0.597 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.262 | 1042 | 0.600 ng/ml |
| 10) Aroclor 1221 (2) | 5.360 | 1340 | 1.205 ng/ml |
| 11) Aroclor 1221 (3) | 5.426 | 15938 | 4.402 ng/ml |
| 12) Aroclor 1221 (4) | 5.896 | 2692 | 4.596 ng/ml |
| 13) Aroclor 1221 (5) | 6.212 | 13005 | 18.567 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.426 | 15938 | 5.257 ng/ml |
| 16) Aroclor 1232 (2) | 6.212 | 13005 | 3.307 ng/ml |
| 17) Aroclor 1232 (3) | 6.289 | 4212 | 1.930 ng/ml |
| 18) Aroclor 1232 (4) | 6.446 | 2218 | 1.720 ng/ml |
| 19) Aroclor 1232 (5) | 6.667 | 482 | 0.264 ng/ml |
| 20) Aroclor 1232 (6) | 6.803 | 2259 | 1.469 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.794 | 4992 | 1.425 ng/ml |
| 23) Aroclor 1242 (2) | 6.212 | 13005 | 1.733 ng/ml |
| 24) Aroclor 1242 (3) | 6.289 | 4212 | 1.060 ng/ml |
| 25) Aroclor 1242 (4) | 6.446 | 2218 | 0.848 ng/ml |
| 26) Aroclor 1242 (5) | 6.667 | 482 | 0.129 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:44
 Operator : MJB / KAK
 Sample : 0F22030-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:52:11 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6) | 6.803 | 2259 | 0.689 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.212 | 13005 | 2.812 ng/ml |
| 30) | Aroclor 1248 (2) | 6.446 | 2218 | 0.442 ng/ml |
| 31) | Aroclor 1248 (3) | 6.667 | 482 | 0.079 ng/ml |
| 32) | Aroclor 1248 (4) | 6.984 | 20852 | 2.846 ng/ml |
| 33) | Aroclor 1248 (5) | 6.984 | 20852 | 2.647 ng/ml |
| 34) | Aroclor 1248 (6) | 7.478 | 2489 | 0.633 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 6.984 | 20852 | 2.954 ng/ml |
| 37) | Aroclor 1254 (2) | 7.114 | 7768 | 0.910 ng/ml |
| 38) | Aroclor 1254 (3) | 7.478 | 2489 | 0.184 ng/ml |
| 39) | Aroclor 1254 (4) | 7.648 | 2344 | 0.253 ng/ml |
| 40) | Aroclor 1254 (5) | 8.031 | 4673 | 0.506 ng/ml |
| 41) | Aroclor 1254 (6) | 8.323 | 255 | 0.085 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.609 | 2376 | 0.248 ng/ml |
| 44) | Aroclor 1260 (2) | 7.735 | 2769 | 0.234 ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 1960 | 0.211 ng/ml |
| 46) | Aroclor 1260 (4) | 8.465 | 5433 | 0.248 ng/ml |
| 47) | Aroclor 1260 (5) | 8.764 | 3343 | 0.233 ng/ml |
| 48) | Aroclor 1260 (6) | 9.163 | 1290 | 0.217 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.735 | 2769 | 0.305 ng/ml |
| 51) | Aroclor 1262 (2) | 8.061 | 3047 | 0.239 ng/ml |
| 52) | Aroclor 1262 (3) | 8.296 | 1960 | 0.176 ng/ml |
| 53) | Aroclor 1262 (4) | 8.465 | 5433 | 0.227 ng/ml |
| 54) | Aroclor 1262 (5) | 8.764 | 3343 | 0.231 ng/ml |
| 55) | Aroclor 1262 (6) | 9.163 | 1290 | 0.169 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.296 | 1960 | 0.344 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:44
 Operator : MJB / KAK
 Sample : 0F22030-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:52:11 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2) | 8.712 | 1853 | 0.067 ng/ml |
| 59) | Aroclor 1268 (3) | 8.764 | 3343 | 0.142 ng/ml |
| 60) | Aroclor 1268 (4) | 8.949 | 599 | 0.028 ng/ml |
| 61) | Aroclor 1268 (5) | 9.163 | 1290 | 0.153 ng/ml |
| 62) | Aroclor 1268 (6) | 9.435 | 1154 | 0.018 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

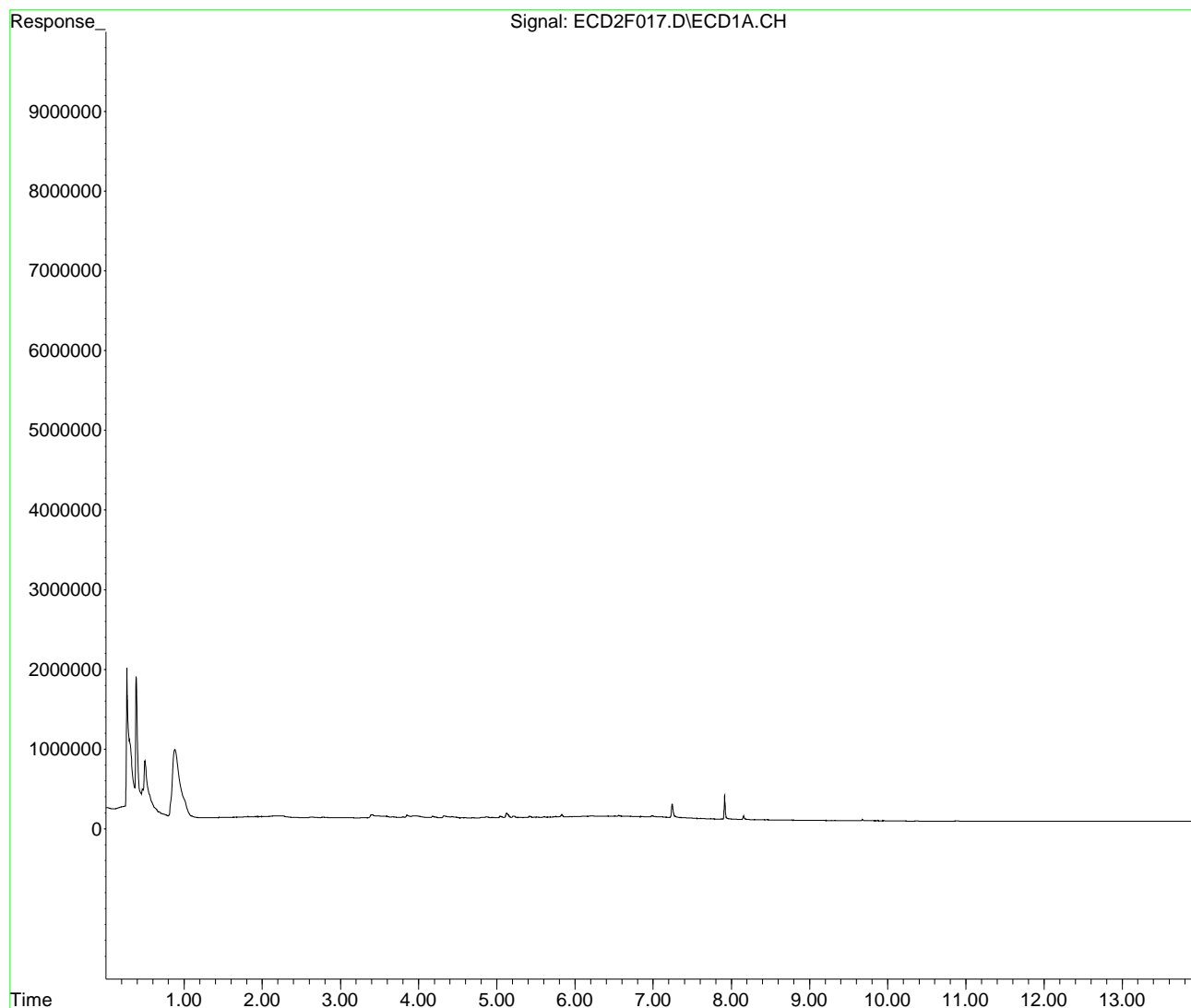
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:44
Operator : MJB / KAK
Sample : 0F22030-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:11 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:01
 Operator : MJB / KAK
 Sample : 0F22030-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e 1016, 1260
 Quant Time: Jun 23 13:52:29 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|----------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.878 | 32009264 | 225.368 ng/ml |
| 64) S DCBP (S) | 9.677 | 27055591 | 216.653 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.797 | 2122839 | 443.136 ng/ml |
| 3) Aroclor 1016 (2) | 6.211 | 4683187 | 464.102 ng/ml |
| 4) Aroclor 1016 (3) | 6.292 | 2492564 | 462.812 ng/ml |
| 5) Aroclor 1016 (4) | 6.450 | 1731174 | 433.333 ng/ml |
| 6) Aroclor 1016 (5) | 6.674 | 2343658 | 455.951 ng/ml |
| 7) Aroclor 1016 (6) | 6.800 | 1696189 | 448.527 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.233 | 747875 | 430.234 ng/ml |
| 10) Aroclor 1221 (2) | 5.354 | 273519 | 245.884 ng/ml |
| 11) Aroclor 1221 (3) | 5.435 | 1295613 | 357.872 ng/ml |
| 12) Aroclor 1221 (4) | 5.905 | 227427 | 388.289 ng/ml |
| 13) Aroclor 1221 (5) | 6.211 | 4683187 | 6686.155 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.435 | 1295613 | 427.321 ng/ml |
| 16) Aroclor 1232 (2) | 6.211 | 4683187 | 1191.062 ng/ml |
| 17) Aroclor 1232 (3) | 6.292 | 2492564 | 1142.402 ng/ml |
| 18) Aroclor 1232 (4) | 6.450 | 1731174 | 1342.416 ng/ml |
| 19) Aroclor 1232 (5) | 6.674 | 2343658 | 1281.805 ng/ml |
| 20) Aroclor 1232 (6) | 6.800 | 1696189 | 1102.862 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.797 | 2122839 | 605.968 ng/ml |
| 23) Aroclor 1242 (2) | 6.211 | 4683187 | 624.202 ng/ml |
| 24) Aroclor 1242 (3) | 6.292 | 2492564 | 627.084 ng/ml |
| 25) Aroclor 1242 (4) | 6.450 | 1731174 | 661.886 ng/ml |
| 26) Aroclor 1242 (5) | 6.674 | 2343658 | 625.445 ng/ml |

451.310

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:01
 Operator : MJB / KAK
 Sample : 0F22030-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:52:29 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|----------------|
| 27) | Aroclor 1242 (6) | 6.800 | 1696189 | 517.577 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.211 | 4683187 | 1012.794 ng/ml |
| 30) | Aroclor 1248 (2) | 6.450 | 1731174 | 345.197 ng/ml |
| 31) | Aroclor 1248 (3) | 6.674 | 2343658 | 383.546 ng/ml |
| 32) | Aroclor 1248 (4) | 6.967 | 398542 | 54.394 ng/ml |
| 33) | Aroclor 1248 (5) | 7.003 | 1691001 | 214.678 ng/ml |
| 34) | Aroclor 1248 (6) | 7.491 | 3467207 | 881.562 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 7.003 | 1691001 | 239.583 ng/ml |
| 37) | Aroclor 1254 (2) | 7.112 | 1820491 | 213.264 ng/ml |
| 38) | Aroclor 1254 (3) | 7.491 | 3467207 | 255.842 ng/ml |
| 39) | Aroclor 1254 (4) | 7.649 | 421357 | 45.512 ng/ml |
| 40) | Aroclor 1254 (5) | 8.032 | 5225090 | 565.919 ng/ml |
| 41) | Aroclor 1254 (6) | 8.325 | 575312 | 191.530 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.604 | 4832242 | 503.313 ng/ml |
| 44) | Aroclor 1260 (2) | 7.736 | 6290651 | 530.947 ng/ml |
| 45) | Aroclor 1260 (3) | 8.295 | 4024368 | 433.799 ng/ml |
| 46) | Aroclor 1260 (4) | 8.465 | 9832709 | 449.659 ng/ml |
| 47) | Aroclor 1260 (5) | 8.766 | 6367328 | 443.433 ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 1979270 | 333.031 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.736 | 6290651 | 693.423 ng/ml |
| 51) | Aroclor 1262 (2) | 8.062 | 3641447 | 285.894 ng/ml |
| 52) | Aroclor 1262 (3) | 8.295 | 4024368 | 361.599 ng/ml |
| 53) | Aroclor 1262 (4) | 8.465 | 9832709 | 411.517 ng/ml |
| 54) | Aroclor 1262 (5) | 8.766 | 6367328 | 439.649 ng/ml |
| 55) | Aroclor 1262 (6) | 9.164 | 1979270 | 259.201 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.295 | 4024368 | 705.337 ng/ml |

449.030

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:01
 Operator : MJB / KAK
 Sample : 0F22030-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:52:29 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2) | 8.713 | 1723622 | 62.124 ng/ml |
| 59) | Aroclor 1268 (3) | 8.766 | 6367328 | 270.392 ng/ml |
| 60) | Aroclor 1268 (4) | 8.943 | 291267 | 13.520 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 1979270 | 234.495 ng/ml |
| 62) | Aroclor 1268 (6) | 9.431 | 702205 | 10.895 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

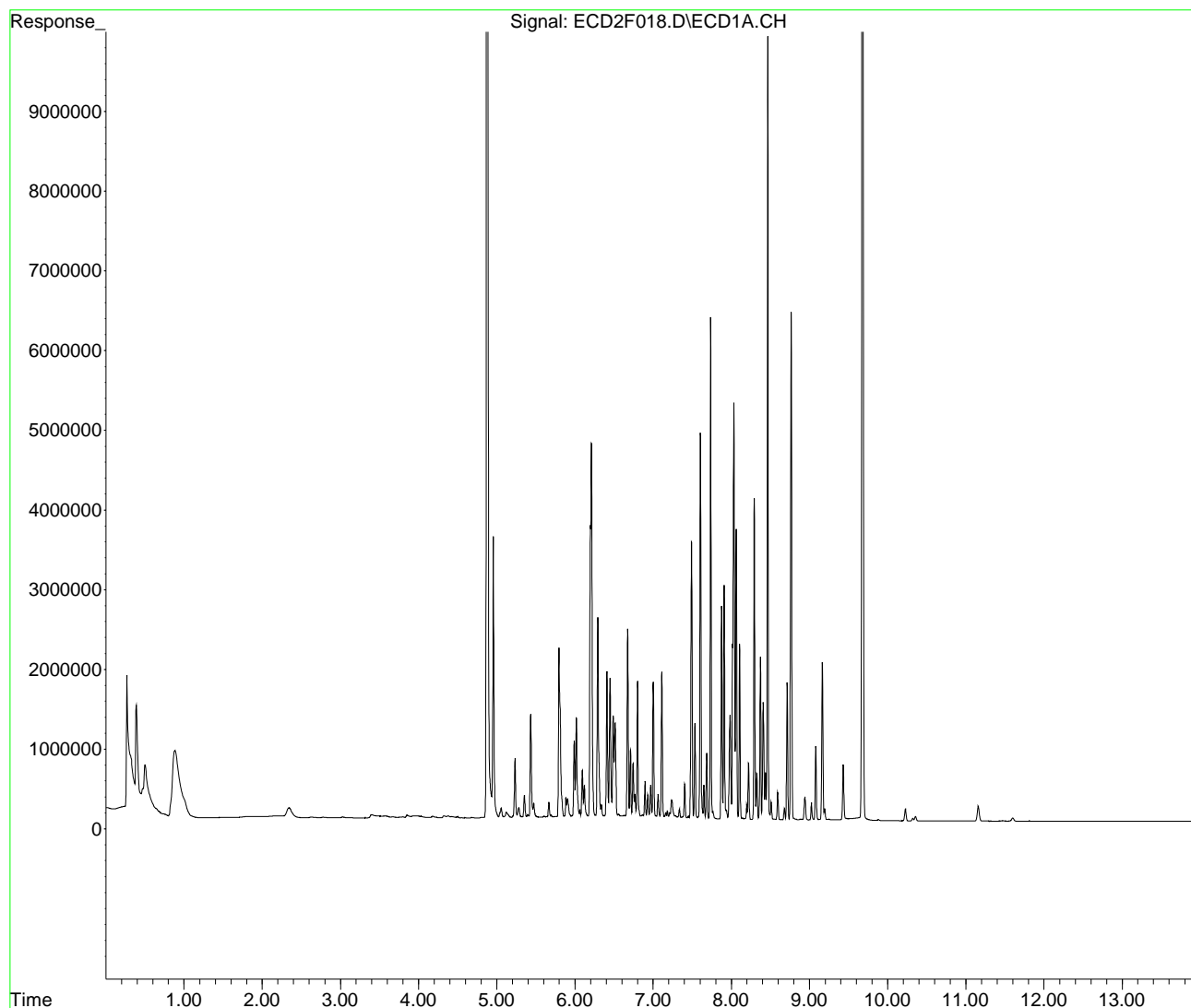
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:01
Operator : MJB / KAK
Sample : 0F22030-ICV1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F026.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:22
 Operator : MJB / KAK
 Sample : 0F22030-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

KAK 6/23/2020

1221, 1254

Integration File: PCB1.e
 Quant Time: Jun 23 13:52:47 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|----------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.877 | 5860689 | 41.263 ng/ml |
| 64) S DCBP (S) | 9.678 | 10831705 | 86.737 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.797 | 554339 | 115.716 ng/ml |
| 3) Aroclor 1016 (2) | 6.212 | 719802 | 71.332 ng/ml |
| 4) Aroclor 1016 (3) | 6.292 | 431564 | 80.131 ng/ml |
| 5) Aroclor 1016 (4) | 6.452 | 2018749 | 505.316 ng/ml |
| 6) Aroclor 1016 (5) | 6.674 | 1379305 | 268.339 ng/ml |
| 7) Aroclor 1016 (6) | 6.801 | 660610 | 174.687 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.237 | 1591050 | 915.292 ng/ml |
| 10) Aroclor 1221 (2) | 5.355 | 1085330 | 975.675 ng/ml |
| 11) Aroclor 1221 (3) | 5.437 | 3646406 | 1007.205 ng/ml |
| 12) Aroclor 1221 (4) | 5.905 | 513462 | 876.641 ng/ml |
| 13) Aroclor 1221 (5) | 6.212 | 719802 | 1027.657 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.437 | 3646406 | 1202.663 ng/ml |
| 16) Aroclor 1232 (2) | 6.212 | 719802 | 183.065 ng/ml |
| 17) Aroclor 1232 (3) | 6.292 | 431564 | 197.796 ng/ml |
| 18) Aroclor 1232 (4) | 6.452 | 2018749 | 1565.411 ng/ml |
| 19) Aroclor 1232 (5) | 6.674 | 1379305 | 754.376 ng/ml |
| 20) Aroclor 1232 (6) | 6.801 | 660610 | 429.529 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.797 | 554339 | 158.237 ng/ml |
| 23) Aroclor 1242 (2) | 6.212 | 719802 | 95.939 ng/ml |
| 24) Aroclor 1242 (3) | 6.292 | 431564 | 108.574 ng/ml |
| 25) Aroclor 1242 (4) | 6.452 | 2018749 | 771.835 ng/ml |
| 26) Aroclor 1242 (5) | 6.674 | 1379305 | 368.091 ng/ml |

960.494

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F026.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:22
 Operator : MJB / KAK
 Sample : 0F22030-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:52:47 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|----------------|
| 27) Aroclor 1242 (6) | 6.801 | 660610 | 201.579 ng/ml |
| 28) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (1) | 6.212 | 719802 | 155.666 ng/ml |
| 30) Aroclor 1248 (2) | 6.452 | 2018749 | 402.539 ng/ml |
| 31) Aroclor 1248 (3) | 6.674 | 1379305 | 225.727 ng/ml |
| 32) Aroclor 1248 (4) | 6.968 | 2116722 | 288.897 ng/ml |
| 33) Aroclor 1248 (5) | 7.003 | 4001820 | 508.045 ng/ml |
| 34) Aroclor 1248 (6) | 7.485 | 6906610 | 1756.055 ng/ml |
| 35) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (1) | 7.003 | 4001820 | 566.982 ng/ml |
| 37) Aroclor 1254 (2) | 7.113 | 4432098 | 519.203 ng/ml |
| 38) Aroclor 1254 (3) | 7.485 | 6906610 | 509.633 ng/ml |
| 39) Aroclor 1254 (4) | 7.650 | 4491634 | 485.153 ng/ml |
| 40) Aroclor 1254 (5) | 8.033 | 4675699 | 506.415 ng/ml |
| 41) Aroclor 1254 (6) | 8.326 | 1472397 | 490.183 ng/ml |
| 42) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) Aroclor 1260 (1) | 7.606 | 2513211 | 261.769 ng/ml |
| 44) Aroclor 1260 (2) | 7.737 | 2784980 | 235.060 ng/ml |
| 45) Aroclor 1260 (3) | 8.296 | 402598 | 43.397 ng/ml |
| 46) Aroclor 1260 (4) | 8.465 | 920045 | 42.074 ng/ml |
| 47) Aroclor 1260 (5) | 8.767 | 824437 | 57.415 ng/ml |
| 48) Aroclor 1260 (6) | 9.164 | 70923 | 11.933 ng/ml |
| 49) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (1) | 7.737 | 2784980 | 306.991 ng/ml |
| 51) Aroclor 1262 (2) | 8.062 | 311088 | 24.424 ng/ml |
| 52) Aroclor 1262 (3) | 8.296 | 402598 | 36.174 ng/ml |
| 53) Aroclor 1262 (4) | 8.465 | 920045 | 38.506 ng/ml |
| 54) Aroclor 1262 (5) | 8.767 | 824437 | 56.925 ng/ml |
| 55) Aroclor 1262 (6) | 9.164 | 70923 | 9.288 ng/ml |
| 56) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (1) | 8.296 | 402598 | 70.562 ng/ml |

512.928

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F026.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:22
 Operator : MJB / KAK
 Sample : 0F22030-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:52:47 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|--------------|
| 58) | Aroclor 1268 (2) | 8.713 | 54990 | 1.982 ng/ml |
| 59) | Aroclor 1268 (3) | 8.767 | 824437 | 35.010 ng/ml |
| 60) | Aroclor 1268 (4) | 8.946 | 86303 | 4.006 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 70923 | 8.403 ng/ml |
| 62) | Aroclor 1268 (6) | 9.433 | 91152 | 1.414 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

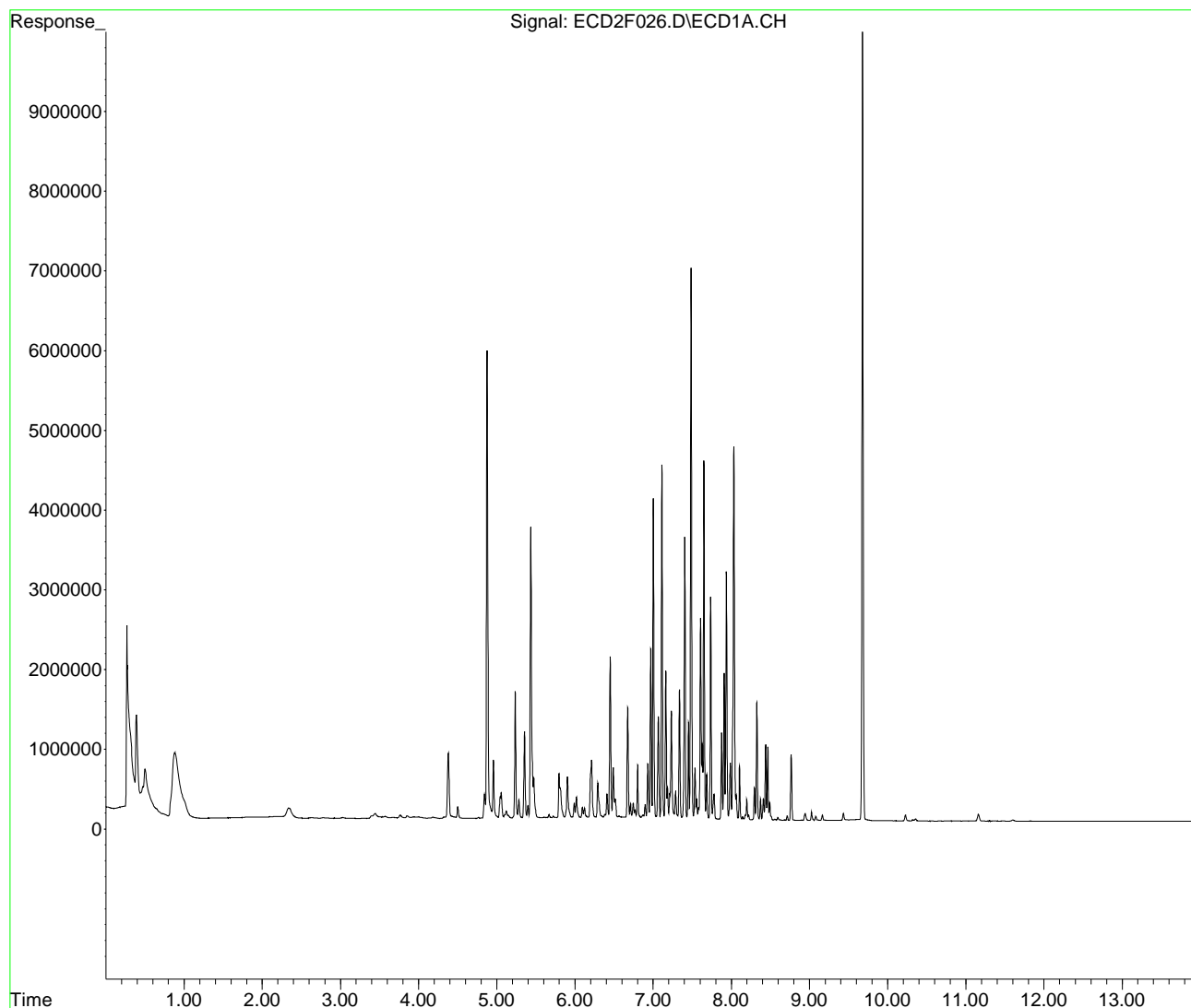
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:22
Operator : MJB / KAK
Sample : 0F22030-ICV2
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F027.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:40
 Operator : MJB / KAK
 Sample : 0F22030-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e 1232, 1262
 Quant Time: Jun 23 13:53:05 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|----------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.878 | 5604788 | 39.462 ng/ml |
| 64) S DCBP (S) | 9.679 | 10651060 | 85.290 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.797 | 1006094 | 210.019 ng/ml |
| 3) Aroclor 1016 (2) | 6.211 | 2001927 | 198.390 ng/ml |
| 4) Aroclor 1016 (3) | 6.293 | 1087483 | 201.921 ng/ml |
| 5) Aroclor 1016 (4) | 6.451 | 710149 | 177.759 ng/ml |
| 6) Aroclor 1016 (5) | 6.673 | 949164 | 184.657 ng/ml |
| 7) Aroclor 1016 (6) | 6.800 | 800442 | 211.663 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.236 | 554200 | 318.817 ng/ml |
| 10) Aroclor 1221 (2) | 5.355 | 415413 | 373.442 ng/ml |
| 11) Aroclor 1221 (3) | 5.436 | 1503763 | 415.367 ng/ml |
| 12) Aroclor 1221 (4) | 5.904 | 233953 | 399.432 ng/ml |
| 13) Aroclor 1221 (5) | 6.211 | 2001927 | 2858.137 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.436 | 1503763 | 495.973 ng/ml |
| 16) Aroclor 1232 (2) | 6.211 | 2001927 | 509.145 ng/ml |
| 17) Aroclor 1232 (3) | 6.293 | 1087483 | 498.419 ng/ml |
| 18) Aroclor 1232 (4) | 6.451 | 710149 | 550.675 ng/ml |
| 19) Aroclor 1232 (5) | 6.673 | 949164 | 519.121 ng/ml |
| 20) Aroclor 1232 (6) | 6.800 | 800442 | 520.447 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.797 | 1006094 | 287.191 ng/ml |
| 23) Aroclor 1242 (2) | 6.211 | 2001927 | 266.828 ng/ml |
| 24) Aroclor 1242 (3) | 6.293 | 1087483 | 273.591 ng/ml |
| 25) Aroclor 1242 (4) | 6.451 | 710149 | 271.514 ng/ml |
| 26) Aroclor 1242 (5) | 6.673 | 949164 | 253.300 ng/ml |

515.630

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F027.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:40
 Operator : MJB / KAK
 Sample : 0F22030-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:53:05 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|---------------|
| 27) Aroclor 1242 (6) | 6.800 | 800442 | 244.248 ng/ml |
| 28) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (1) | 6.211 | 2001927 | 432.940 ng/ml |
| 30) Aroclor 1248 (2) | 6.451 | 710149 | 141.604 ng/ml |
| 31) Aroclor 1248 (3) | 6.673 | 949164 | 155.333 ng/ml |
| 32) Aroclor 1248 (4) | 6.968 | 993704 | 135.624 ng/ml |
| 33) Aroclor 1248 (5) | 7.005 | 1465062 | 185.995 ng/ml |
| 34) Aroclor 1248 (6) | 7.492 | 2903252 | 738.173 ng/ml |
| 35) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (1) | 7.005 | 1465062 | 207.571 ng/ml |
| 37) Aroclor 1254 (2) | 7.112 | 810685 | 94.969 ng/ml |
| 38) Aroclor 1254 (3) | 7.492 | 2903252 | 214.228 ng/ml |
| 39) Aroclor 1254 (4) | 7.650 | 349199 | 37.718 ng/ml |
| 40) Aroclor 1254 (5) | 8.032 | 2172802 | 235.332 ng/ml |
| 41) Aroclor 1254 (6) | 8.326 | 160294 | 53.364 ng/ml |
| 42) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) Aroclor 1260 (1) | 7.604 | 3583181 | 373.214 ng/ml |
| 44) Aroclor 1260 (2) | 7.737 | 4337017 | 366.056 ng/ml |
| 45) Aroclor 1260 (3) | 8.296 | 5164522 | 556.699 ng/ml |
| 46) Aroclor 1260 (4) | 8.465 | 11171145 | 510.866 ng/ml |
| 47) Aroclor 1260 (5) | 8.765 | 6843046 | 476.563 ng/ml |
| 48) Aroclor 1260 (6) | 9.164 | 3612183 | 607.784 ng/ml |
| 49) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (1) | 7.737 | 4337017 | 478.073 ng/ml |
| 51) Aroclor 1262 (2) | 8.063 | 6092100 | 478.297 ng/ml |
| 52) Aroclor 1262 (3) | 8.296 | 5164522 | 464.045 ng/ml |
| 53) Aroclor 1262 (4) | 8.465 | 11171145 | 467.533 ng/ml |
| 54) Aroclor 1262 (5) | 8.765 | 6843046 | 472.496 ng/ml |
| 55) Aroclor 1262 (6) | 9.164 | 3612183 | 473.043 ng/ml |
| 56) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (1) | 8.296 | 5164522 | 905.168 ng/ml |

472.248

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F027.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:40
 Operator : MJB / KAK
 Sample : 0F22030-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:53:05 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2) | 8.714 | 4195578 | 151.220 ng/ml |
| 59) | Aroclor 1268 (3) | 8.765 | 6843046 | 290.594 ng/ml |
| 60) | Aroclor 1268 (4) | 8.945 | 365750 | 16.977 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 3612183 | 427.955 ng/ml |
| 62) | Aroclor 1268 (6) | 9.432 | 1215533 | 18.859 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

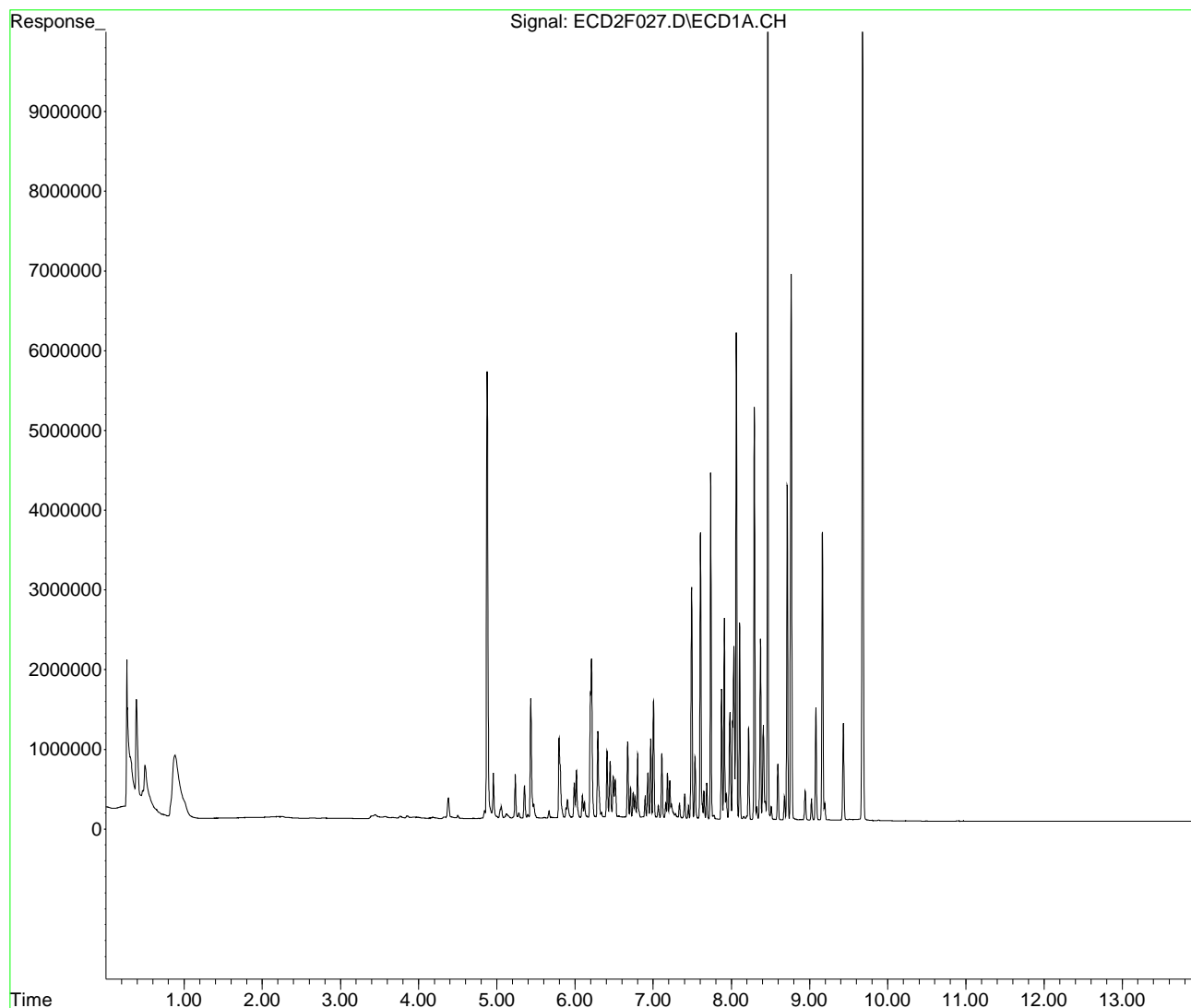
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F027.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:40
Operator : MJB / KAK
Sample : 0F22030-ICV3
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F028.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:58
 Operator : MJB / KAK
 Sample : 0F22030-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

KAK 6/23/2020

1242, 1268

Integration File: PCB1.e
 Quant Time: Jun 23 13:53:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|----------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.878 | 6233055 | 43.885 ng/ml |
| 64) S DCBP (S) | 9.678 | 5224029 | 41.832 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.797 | 1836498 | 383.363 ng/ml |
| 3) Aroclor 1016 (2) | 6.211 | 3878647 | 384.372 ng/ml |
| 4) Aroclor 1016 (3) | 6.292 | 2105868 | 391.011 ng/ml |
| 5) Aroclor 1016 (4) | 6.451 | 1402165 | 350.978 ng/ml |
| 6) Aroclor 1016 (5) | 6.674 | 1942914 | 377.987 ng/ml |
| 7) Aroclor 1016 (6) | 6.800 | 1639552 | 433.551 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.237 | 236297 | 135.936 ng/ml |
| 10) Aroclor 1221 (2) | 5.355 | 253377 | 227.777 ng/ml |
| 11) Aroclor 1221 (3) | 5.436 | 1178006 | 325.387 ng/ml |
| 12) Aroclor 1221 (4) | 5.906 | 201688 | 344.345 ng/ml |
| 13) Aroclor 1221 (5) | 6.211 | 3878647 | 5537.519 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.436 | 1178006 | 388.532 ng/ml |
| 16) Aroclor 1232 (2) | 6.211 | 3878647 | 986.446 ng/ml |
| 17) Aroclor 1232 (3) | 6.292 | 2105868 | 965.170 ng/ml |
| 18) Aroclor 1232 (4) | 6.451 | 1402165 | 1087.290 ng/ml |
| 19) Aroclor 1232 (5) | 6.674 | 1942914 | 1062.628 ng/ml |
| 20) Aroclor 1232 (6) | 6.800 | 1639552 | 1066.037 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.797 | 1836498 | 524.232 ng/ml |
| 23) Aroclor 1242 (2) | 6.211 | 3878647 | 516.968 ng/ml |
| 24) Aroclor 1242 (3) | 6.292 | 2105868 | 529.799 ng/ml |
| 25) Aroclor 1242 (4) | 6.451 | 1402165 | 536.094 ng/ml |
| 26) Aroclor 1242 (5) | 6.674 | 1942914 | 518.500 ng/ml |

520.981

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F028.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:58
 Operator : MJB / KAK
 Sample : 0F22030-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:53:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|---------------|
| 27) | Aroclor 1242 (6) | 6.800 | 1639552 | 500.295 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 6.211 | 3878647 | 838.803 ng/ml |
| 30) | Aroclor 1248 (2) | 6.451 | 1402165 | 279.592 ng/ml |
| 31) | Aroclor 1248 (3) | 6.674 | 1942914 | 317.963 ng/ml |
| 32) | Aroclor 1248 (4) | 6.968 | 2023785 | 276.213 ng/ml |
| 33) | Aroclor 1248 (5) | 7.006 | 2171579 | 275.690 ng/ml |
| 34) | Aroclor 1248 (6) | 7.484 | 654113 | 166.313 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 7.006 | 2171579 | 307.671 ng/ml |
| 37) | Aroclor 1254 (2) | 7.112 | 444518 | 52.074 ng/ml |
| 38) | Aroclor 1254 (3) | 7.484 | 654113 | 48.266 ng/ml |
| 39) | Aroclor 1254 (4) | 7.650 | 469871 | 50.752 ng/ml |
| 40) | Aroclor 1254 (5) | 8.032 | 94917 | 10.280 ng/ml |
| 41) | Aroclor 1254 (6) | 8.325 | 44122 | 14.689 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 7.608 | 107424 | 11.189 ng/ml |
| 44) | Aroclor 1260 (2) | 7.736 | 86253 | 7.280 ng/ml |
| 45) | Aroclor 1260 (3) | 8.288 | 2870883 | 309.461 ng/ml |
| 46) | Aroclor 1260 (4) | 8.465 | 1326049 | 60.641 ng/ml |
| 47) | Aroclor 1260 (5) | 8.761 | 12275855 | 854.914 ng/ml |
| 48) | Aroclor 1260 (6) | 9.165 | 4340899 | 730.397 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 7.736 | 86253 | 9.508 ng/ml |
| 51) | Aroclor 1262 (2) | 8.062 | 2332698 | 183.142 ng/ml |
| 52) | Aroclor 1262 (3) | 8.288 | 2870883 | 257.956 ng/ml |
| 53) | Aroclor 1262 (4) | 8.465 | 1326049 | 55.498 ng/ml |
| 54) | Aroclor 1262 (5) | 8.761 | 12275855 | 847.618 ng/ml |
| 55) | Aroclor 1262 (6) | 9.165 | 4340899 | 568.474 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 8.288 | 2870883 | 503.170 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F028.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:58
 Operator : MJB / KAK
 Sample : 0F22030-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:53:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2) | 8.714 | 14447714 | 520.733 ng/ml |
| 59) | Aroclor 1268 (3) | 8.761 | 12275855 | 521.302 ng/ml |
| 60) | Aroclor 1268 (4) | 8.946 | 10642496 | 493.998 ng/ml |
| 61) | Aroclor 1268 (5) | 9.165 | 4340899 | 514.290 ng/ml |
| 62) | Aroclor 1268 (6) | 9.433 | 31269367 | 485.148 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

506.440

(f)=RT Delta > 1/2 Window

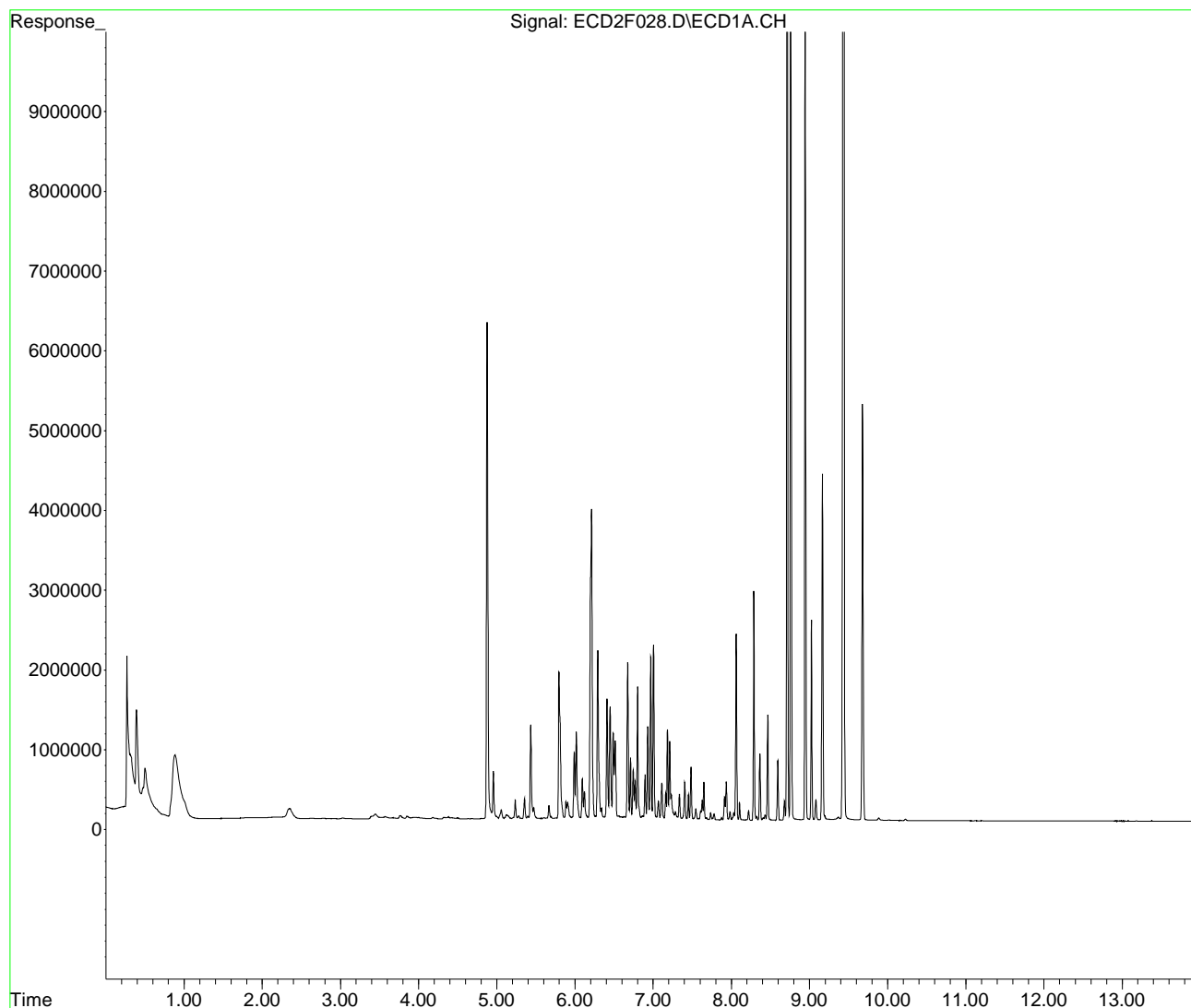
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F028.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:58
Operator : MJB / KAK
Sample : 0F22030-ICV4
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F029.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 23:15
 Operator : MJB / KAK
 Sample : 0F22030-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

KAK 6/23/2020

1248

Integration File: PCB1.e
 Quant Time: Jun 23 13:53:42 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|----------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.865 | 9618 | 0.068 ng/ml |
| 64) S DCBP (S) | 9.678 | 5738 | 0.046 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.797 | 932586 | 194.674 ng/ml |
| 3) Aroclor 1016 (2) | 6.211 | 2135702 | 211.647 ng/ml |
| 4) Aroclor 1016 (3) | 6.292 | 1182114 | 219.492 ng/ml |
| 5) Aroclor 1016 (4) | 6.450 | 2547325 | 637.625 ng/ml |
| 6) Aroclor 1016 (5) | 6.673 | 3172586 | 617.216 ng/ml |
| 7) Aroclor 1016 (6) | 6.800 | 2524516 | 667.564 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.235 | 35104 | 20.195 ng/ml |
| 10) Aroclor 1221 (2) | 5.355 | 25489 | 22.913 ng/ml |
| 11) Aroclor 1221 (3) | 5.436 | 141828 | 39.175 ng/ml |
| 12) Aroclor 1221 (4) | 5.906 | 33889 | 57.860 ng/ml |
| 13) Aroclor 1221 (5) | 6.211 | 2135702 | 3049.128 ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 5.436 | 141828 | 46.778 ng/ml |
| 16) Aroclor 1232 (2) | 6.211 | 2135702 | 543.167 ng/ml |
| 17) Aroclor 1232 (3) | 6.292 | 1182114 | 541.791 ng/ml |
| 18) Aroclor 1232 (4) | 6.450 | 2547325 | 1975.289 ng/ml |
| 19) Aroclor 1232 (5) | 6.673 | 3172586 | 1735.166 ng/ml |
| 20) Aroclor 1232 (6) | 6.800 | 2524516 | 1641.441 ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 5.797 | 932586 | 266.208 ng/ml |
| 23) Aroclor 1242 (2) | 6.211 | 2135702 | 284.658 ng/ml |
| 24) Aroclor 1242 (3) | 6.292 | 1182114 | 297.399 ng/ml |
| 25) Aroclor 1242 (4) | 6.450 | 2547325 | 973.927 ng/ml |
| 26) Aroclor 1242 (5) | 6.673 | 3172586 | 846.659 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F029.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 23:15
 Operator : MJB / KAK
 Sample : 0F22030-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:53:42 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|---------------|
| 27) Aroclor 1242 (6) | 6.800 | 2524516 | 770.333 ng/ml |
| 28) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (1) | 6.211 | 2135702 | 461.871 ng/ml |
| 30) Aroclor 1248 (2) | 6.450 | 2547325 | 507.938 ng/ml |
| 31) Aroclor 1248 (3) | 6.673 | 3172586 | 519.203 ng/ml |
| 32) Aroclor 1248 (4) | 6.967 | 3858864 | 526.670 ng/ml |
| 33) Aroclor 1248 (5) | 7.006 | 4105448 | 521.201 ng/ml |
| 34) Aroclor 1248 (6) | 7.484 | 2111469 | 536.856 ng/ml |
| 35) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (1) | 7.006 | 4105448 | 581.664 ng/ml |
| 37) Aroclor 1254 (2) | 7.111 | 1237570 | 144.977 ng/ml |
| 38) Aroclor 1254 (3) | 7.484 | 2111469 | 155.803 ng/ml |
| 39) Aroclor 1254 (4) | 7.650 | 1423533 | 153.759 ng/ml |
| 40) Aroclor 1254 (5) | 8.032 | 324114 | 35.104 ng/ml |
| 41) Aroclor 1254 (6) | 8.326 | 135450 | 45.093 ng/ml |
| 42) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) Aroclor 1260 (1) | 7.607 | 305213 | 31.790 ng/ml |
| 44) Aroclor 1260 (2) | 7.736 | 187728 | 15.845 ng/ml |
| 45) Aroclor 1260 (3) | 8.295 | 32911 | 3.548 ng/ml |
| 46) Aroclor 1260 (4) | 8.465 | 75329 | 3.445 ng/ml |
| 47) Aroclor 1260 (5) | 8.766 | 63142 | 4.397 ng/ml |
| 48) Aroclor 1260 (6) | 9.164 | 19407 | 3.265 ng/ml |
| 49) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (1) | 7.736 | 187728 | 20.693 ng/ml |
| 51) Aroclor 1262 (2) | 8.061 | 31143 | 2.445 ng/ml |
| 52) Aroclor 1262 (3) | 8.295 | 32911 | 2.957 ng/ml |
| 53) Aroclor 1262 (4) | 8.465 | 75329 | 3.153 ng/ml |
| 54) Aroclor 1262 (5) | 8.766 | 63142 | 4.360 ng/ml |
| 55) Aroclor 1262 (6) | 9.164 | 19407 | 2.541 ng/ml |
| 56) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (1) | 8.295 | 32911 | 5.768 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F029.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 23:15
 Operator : MJB / KAK
 Sample : 0F22030-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:53:42 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2) | 8.713 | 19803 | 0.714 ng/ml |
| 59) | Aroclor 1268 (3) | 8.766 | 63142 | 2.681 ng/ml |
| 60) | Aroclor 1268 (4) | 8.945 | 4136 | 0.192 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 19407 | 2.299 ng/ml |
| 62) | Aroclor 1268 (6) | 9.433 | 12118 | 0.188 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

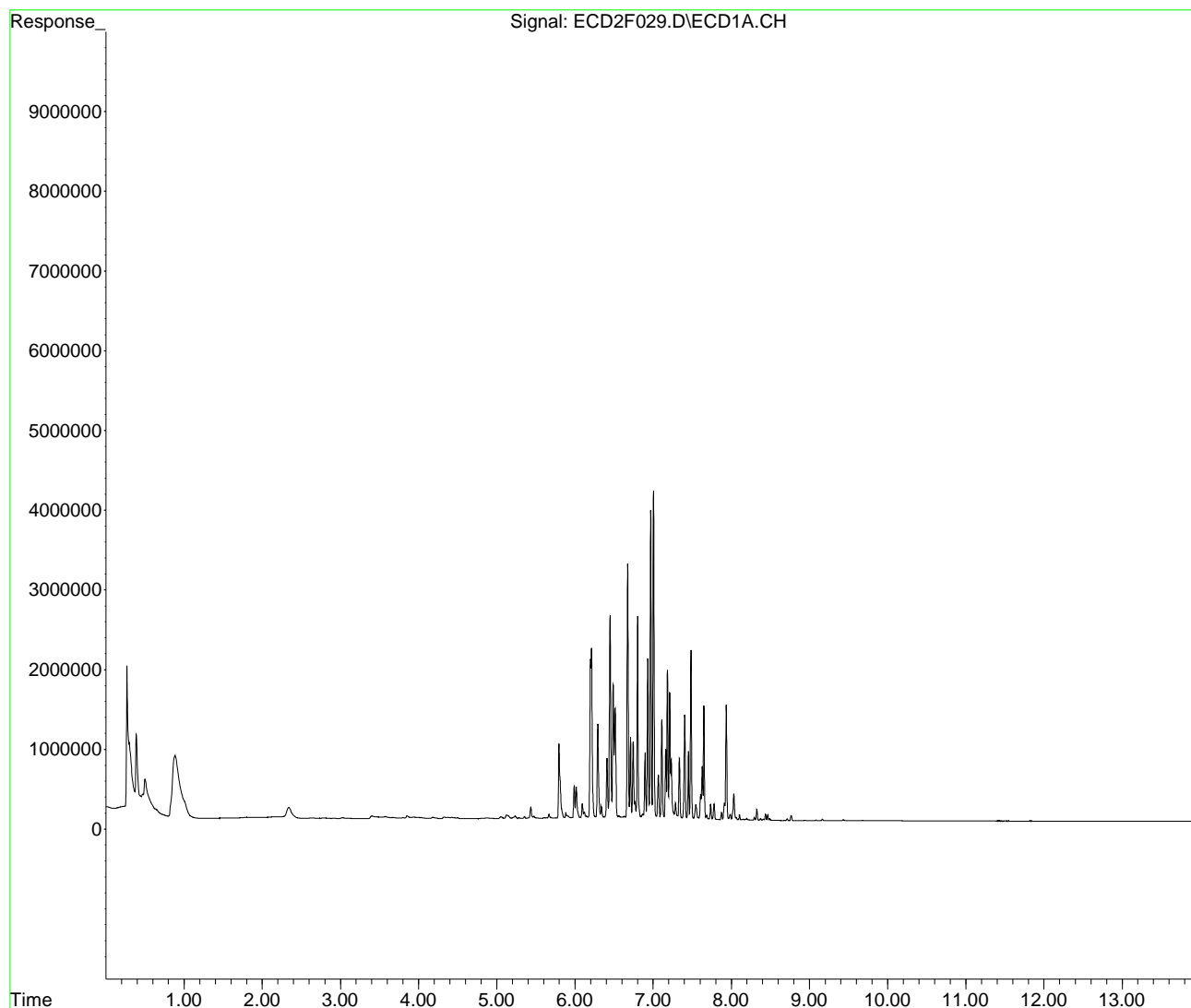
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F029.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 23:15
Operator : MJB / KAK
Sample : 0F22030-ICV5
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:40
 Operator : MJB / KAK
 Sample : 0F22030-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
 Quant Time: Jun 23 13:38:10 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units | |
|-----------------------------|-------|----------|--------------|---|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.878 | 1321445 | 9.304 ng/ml | |
| 64) S DCBP (S) | 9.679 | 1222731 | 9.791 ng/ml | ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.798 | 114671 | 23.937 ng/ml | |
| 3) Aroclor 1016 (2) | 6.212 | 217974 | 21.601 ng/ml | |
| 4) Aroclor 1016 (3) | 6.293 | 122243 | 22.698 ng/ml | |
| 5) Aroclor 1016 (4) | 6.451 | 93210 | 23.332 ng/ml | ✓ |
| 6) Aroclor 1016 (5) | 6.674 | 117378 | 22.835 ng/ml | |
| 7) Aroclor 1016 (6) | 6.801 | 86779 | 22.947 ng/ml | |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml | |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml | |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml | |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml | |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml | |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml | |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml | |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml | |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml | |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml | |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml | |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml | |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml | |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml | |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml | |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml | |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:40
 Operator : MJB / KAK
 Sample : 0F22030-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:38:10 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|--------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.604 | 218884 | 22.798 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.737 | 264494 | 22.324 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 208593 | 22.485 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.466 | 458871 | 20.985 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.766 | 302800 | 21.088 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 140770 | 23.686 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:40
 Operator : MJB / KAK
 Sample : 0F22030-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:38:10 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

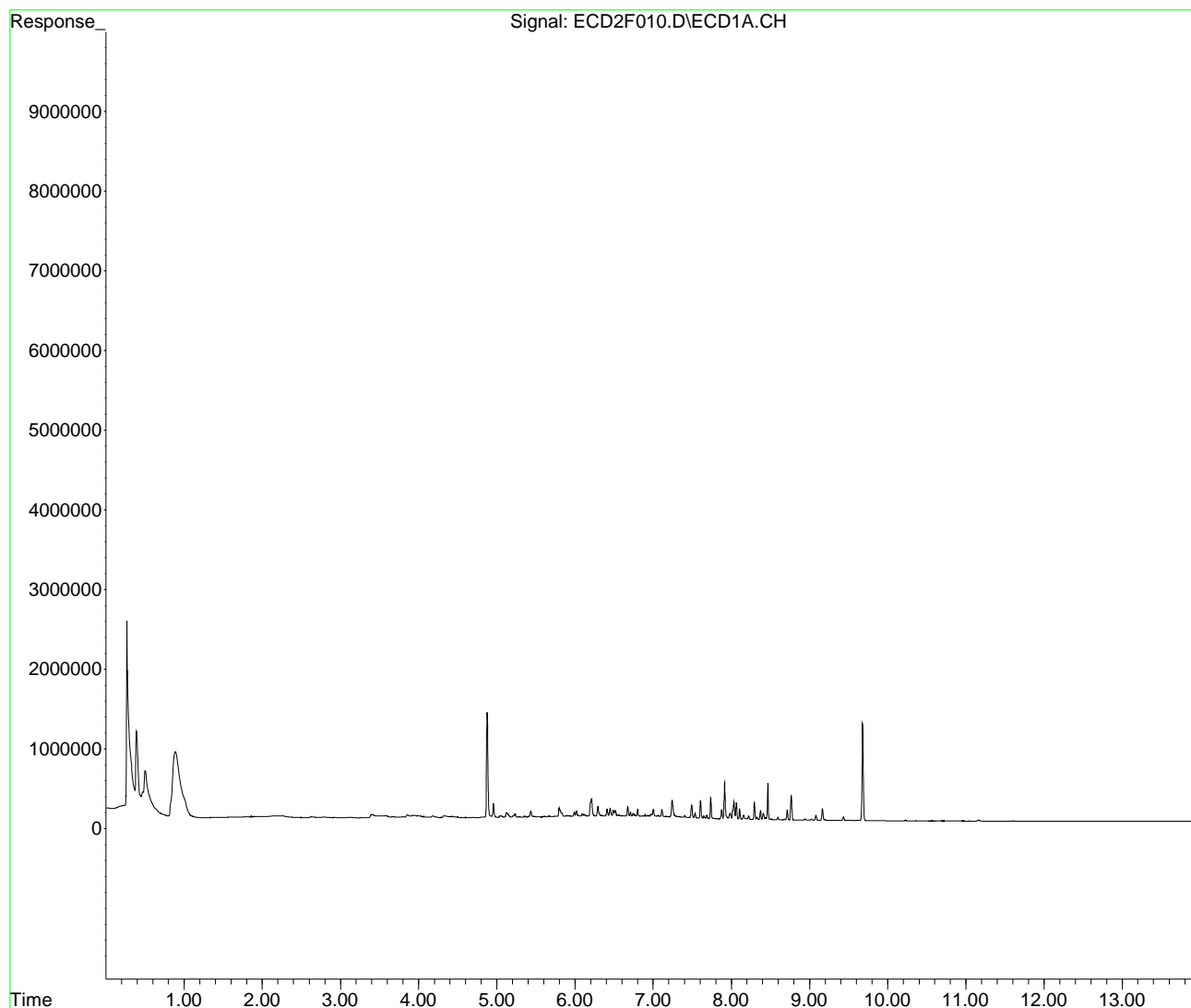
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:40
Operator : MJB / KAK
Sample : 0F22030-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:38:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:58
 Operator : MJB / KAK
 Sample : 0F22030-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
 Quant Time: Jun 23 13:39:09 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|----------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.878 | 3364549 | 23.689 ng/ml |
| 64) S DCBP (S) | 9.677 | 2901210 | 23.232 ng/ml ✓ |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.797 | 250610 | 52.314 ng/ml |
| 3) Aroclor 1016 (2) | 6.211 | 502949 | 49.842 ng/ml |
| 4) Aroclor 1016 (3) | 6.292 | 272260 | 50.552 ng/ml |
| 5) Aroclor 1016 (4) | 6.450 | 207464 | 51.931 ng/ml ✓ |
| 6) Aroclor 1016 (5) | 6.673 | 263506 | 51.264 ng/ml |
| 7) Aroclor 1016 (6) | 6.800 | 196343 | 51.919 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:58
 Operator : MJB / KAK
 Sample : 0F22030-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:39:09 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|--------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.603 | 494275 | 51.482 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.735 | 593624 | 50.103 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.294 | 468508 | 50.502 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.464 | 1063915 | 48.654 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.764 | 695563 | 48.440 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.163 | 311796 | 52.463 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:58
 Operator : MJB / KAK
 Sample : 0F22030-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:39:09 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

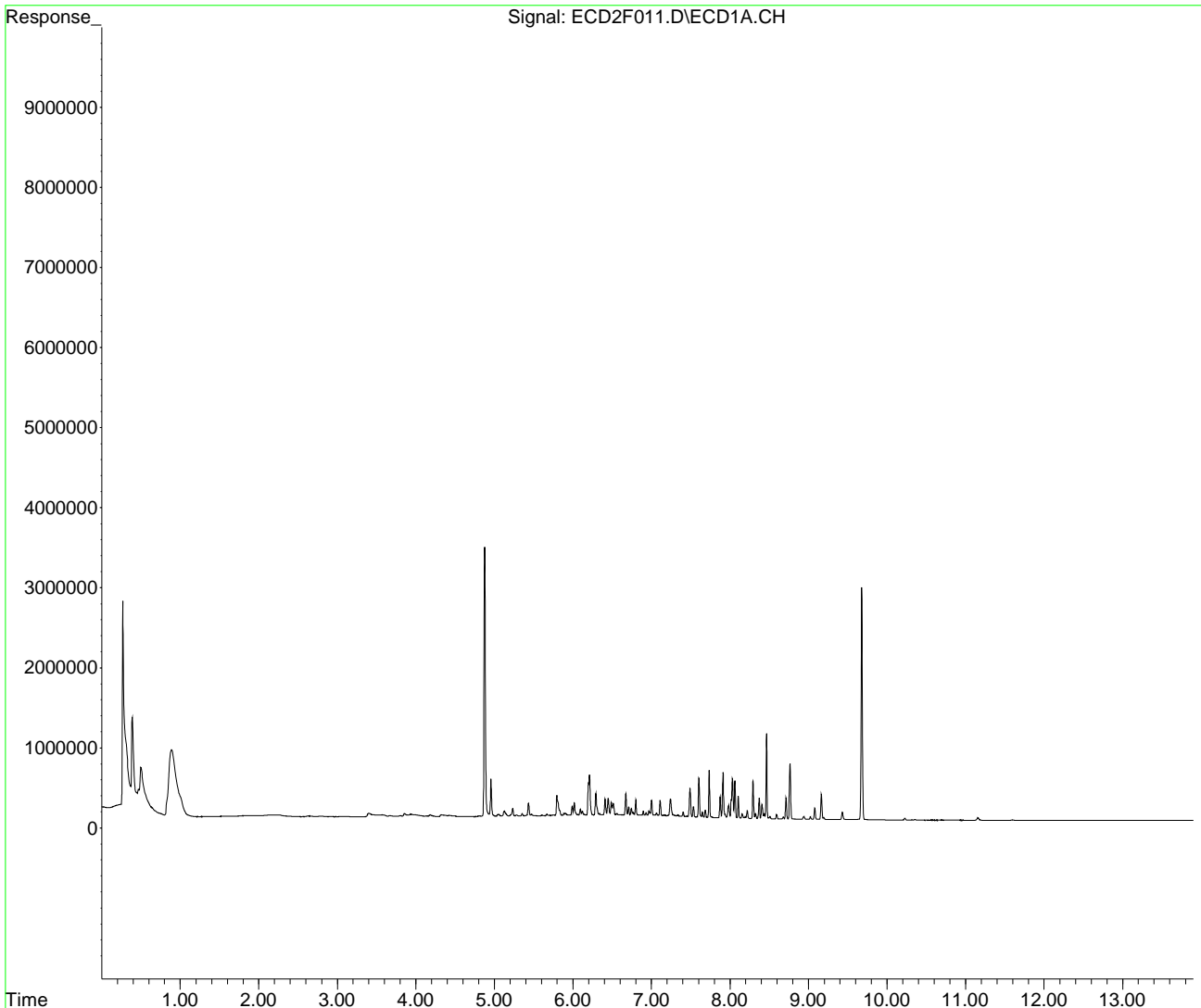
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:58
Operator : MJB / KAK
Sample : 0F22030-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:39:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:15
 Operator : MJB / KAK
 Sample : 0F22030-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
 Quant Time: Jun 23 13:40:32 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units | |
|-----------------------------|-------|----------|---------------|---|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.879 | 6899657 | 48.578 ng/ml | |
| 64) S DCBP (S) | 9.678 | 5880384 | 47.088 ng/ml | ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.797 | 488759 | 102.027 ng/ml | |
| 3) Aroclor 1016 (2) | 6.211 | 999098 | 99.010 ng/ml | |
| 4) Aroclor 1016 (3) | 6.292 | 546054 | 101.390 ng/ml | |
| 5) Aroclor 1016 (4) | 6.450 | 410421 | 102.733 ng/ml | ✓ |
| 6) Aroclor 1016 (5) | 6.673 | 507036 | 98.642 ng/ml | |
| 7) Aroclor 1016 (6) | 6.800 | 381893 | 100.985 ng/ml | |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml | |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml | |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml | |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml | |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml | |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml | |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml | |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml | |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml | |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml | |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml | |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml | |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml | |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml | |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml | |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml | |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:15
 Operator : MJB / KAK
 Sample : 0F22030-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:40:32 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|--------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.604 | 953992 | 99.365 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.736 | 1122579 | 94.749 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.295 | 908162 | 97.893 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.464 | 2106967 | 96.353 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.765 | 1356736 | 94.486 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.162 | 579494 | 97.505 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:15
 Operator : MJB / KAK
 Sample : 0F22030-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:40:32 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

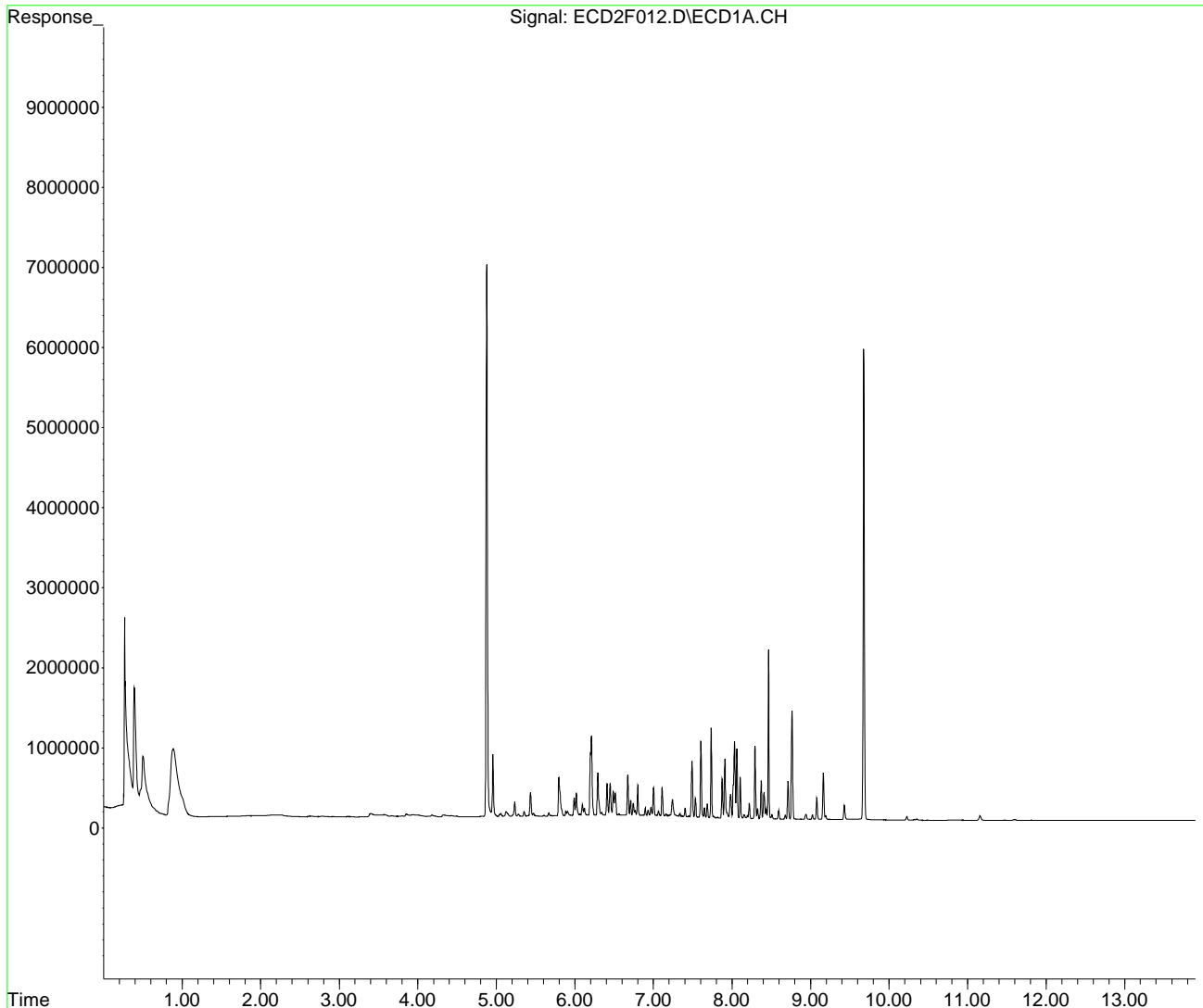
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:15
Operator : MJB / KAK
Sample : 0F22030-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:40:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:33
 Operator : MJB / KAK
 Sample : 0F22030-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
 Quant Time: Jun 23 13:41:29 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units | |
|-----------------------------|-------|----------|---------------|---|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.877 | 13533018 | 95.282 ng/ml | |
| 64) S DCBP (S) | 9.677 | 12180091 | 97.535 ng/ml | ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.796 | 910941 | 190.156 ng/ml | |
| 3) Aroclor 1016 (2) | 6.210 | 1998027 | 198.004 ng/ml | |
| 4) Aroclor 1016 (3) | 6.291 | 1037136 | 192.572 ng/ml | |
| 5) Aroclor 1016 (4) | 6.449 | 759854 | 190.200 ng/ml | ✓ |
| 6) Aroclor 1016 (5) | 6.672 | 1005387 | 195.595 ng/ml | |
| 7) Aroclor 1016 (6) | 6.799 | 699487 | 184.967 ng/ml | |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml | |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml | |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml | |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml | |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml | |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml | |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml | |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml | |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml | |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml | |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml | |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml | |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml | |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml | |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml | |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml | |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:33
 Operator : MJB / KAK
 Sample : 0F22030-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:41:29 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.603 | 1816042 | 189.154 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.735 | 2289230 | 193.217 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.294 | 1747877 | 188.409 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.463 | 4124364 | 188.611 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.764 | 2791057 | 194.375 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.162 | 1108866 | 186.577 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:33
 Operator : MJB / KAK
 Sample : 0F22030-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:41:29 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

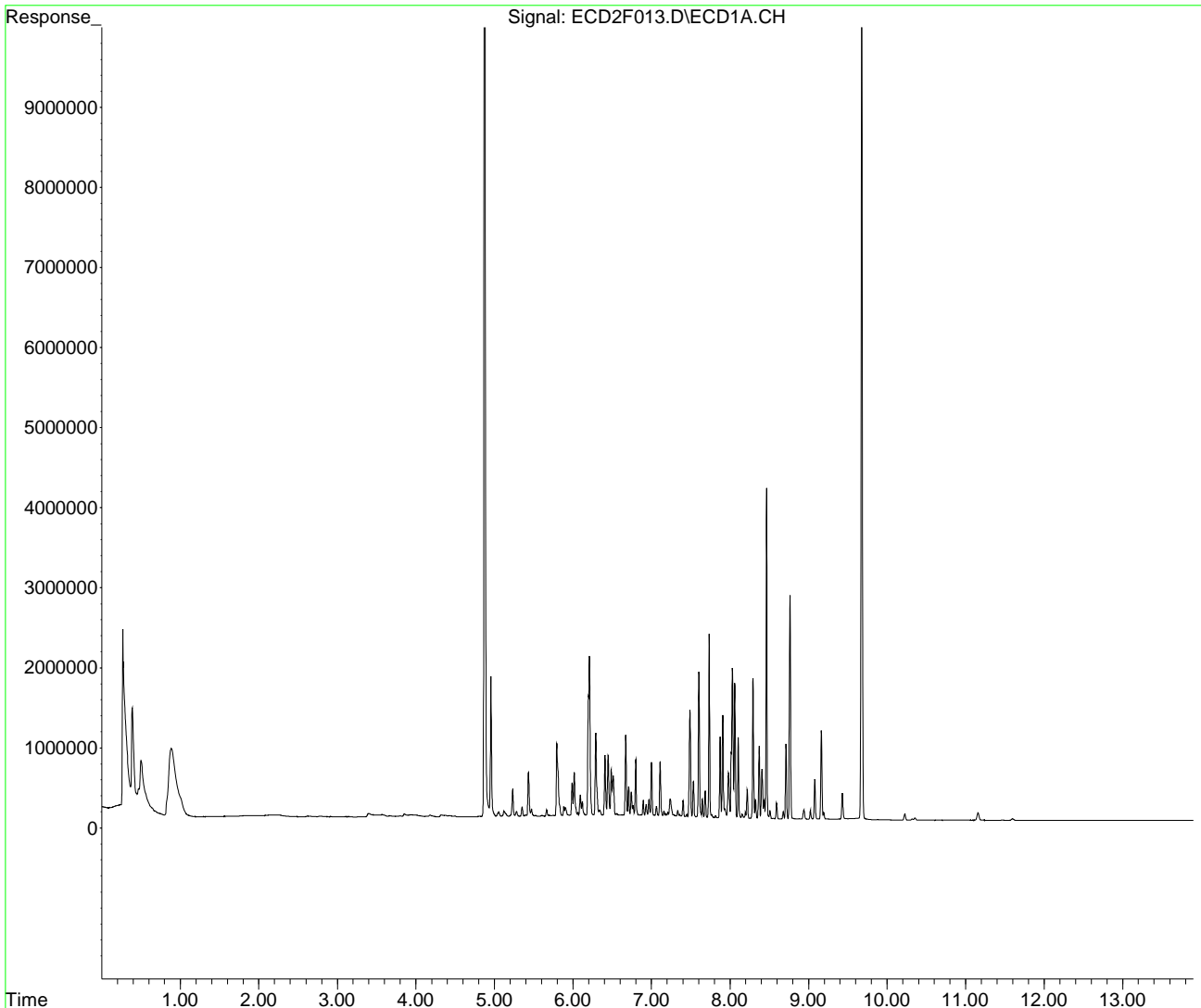
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:33
Operator : MJB / KAK
Sample : 0F22030-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:41:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:51
 Operator : MJB / KAK
 Sample : 0F22030-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
 Quant Time: Jun 23 13:42:26 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units | |
|-----------------------------|-------|----------|---------|-------|---|
| ----- | | | | | |
| System Monitoring Compounds | | | | | |
| 1) S TCMX (S) | 4.879 | 35807197 | 252.108 | ng/ml | |
| 64) S DCBP (S) | 9.678 | 31293660 | 250.590 | ng/ml | ✓ |
| Target Compounds | | | | | |
| 2) Aroclor 1016 (1) | 5.797 | 2311712 | 482.562 | ng/ml | |
| 3) Aroclor 1016 (2) | 6.211 | 4925919 | 488.156 | ng/ml | |
| 4) Aroclor 1016 (3) | 6.293 | 2599280 | 482.627 | ng/ml | |
| 5) Aroclor 1016 (4) | 6.450 | 1855679 | 464.498 | ng/ml | ✓ |
| 6) Aroclor 1016 (5) | 6.673 | 2436748 | 474.061 | ng/ml | |
| 7) Aroclor 1016 (6) | 6.800 | 1862202 | 492.427 | ng/ml | |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml | |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. | ng/ml | |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. | ng/ml | |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. | ng/ml | |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. | ng/ml | |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. | ng/ml | |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml | |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml | |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml | |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml | |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml | |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml | |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml | |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml | |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml | |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml | |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml | |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml | |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml | |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:51
 Operator : MJB / KAK
 Sample : 0F22030-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:42:26 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.604 | 4613025 | 480.480 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.736 | 5911126 | 498.914 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 4415322 | 475.941 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.465 | 10944677 | 500.510 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.765 | 7098160 | 494.330 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 2845981 | 478.863 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:51
 Operator : MJB / KAK
 Sample : 0F22030-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:42:26 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

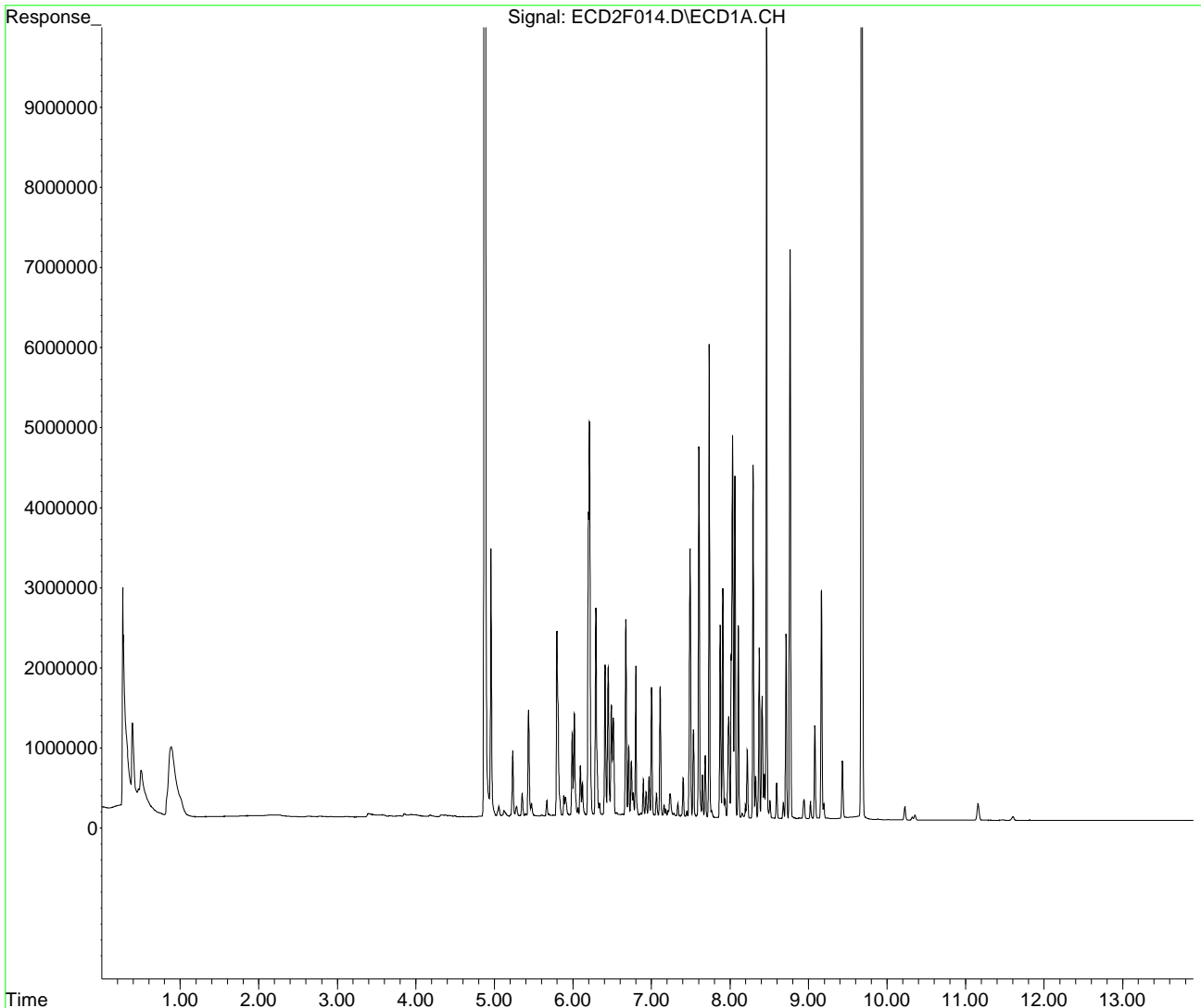
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:51
Operator : MJB / KAK
Sample : 0F22030-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:42:26 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:08
 Operator : MJB / KAK
 Sample : 0F22030-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
 Quant Time: Jun 23 13:43:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units | |
|-----------------------------|-------|----------|---------------|---|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.881 | 74801019 | 526.652 ng/ml | |
| 64) S DCBP (S) | 9.678 | 66051827 | 528.923 ng/ml | ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.798 | 4290376 | 895.602 ng/ml | |
| 3) Aroclor 1016 (2) | 6.212 | 10032044 | 994.171 ng/ml | |
| 4) Aroclor 1016 (3) | 6.293 | 5140921 | 954.551 ng/ml | |
| 5) Aroclor 1016 (4) | 6.451 | 3762955 | 941.912 ng/ml | |
| 6) Aroclor 1016 (5) | 6.674 | 4825909 | 938.864 ng/ml | ✓ |
| 7) Aroclor 1016 (6) | 6.800 | 3513537 | 929.094 ng/ml | |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml | |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml | |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml | |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml | |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml | |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml | |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml | |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml | |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml | |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml | |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml | |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml | |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml | |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml | |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml | |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml | |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml | |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:08
 Operator : MJB / KAK
 Sample : 0F22030-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:43:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|----------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.604 | 9304677 | 969.150 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.736 | 11589691 | 978.200 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 9034721 | 973.880 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.465 | 22155593 | 1013.195 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.766 | 14762035 | 1028.057 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 5556964 | 935.011 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:08
 Operator : MJB / KAK
 Sample : 0F22030-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:43:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

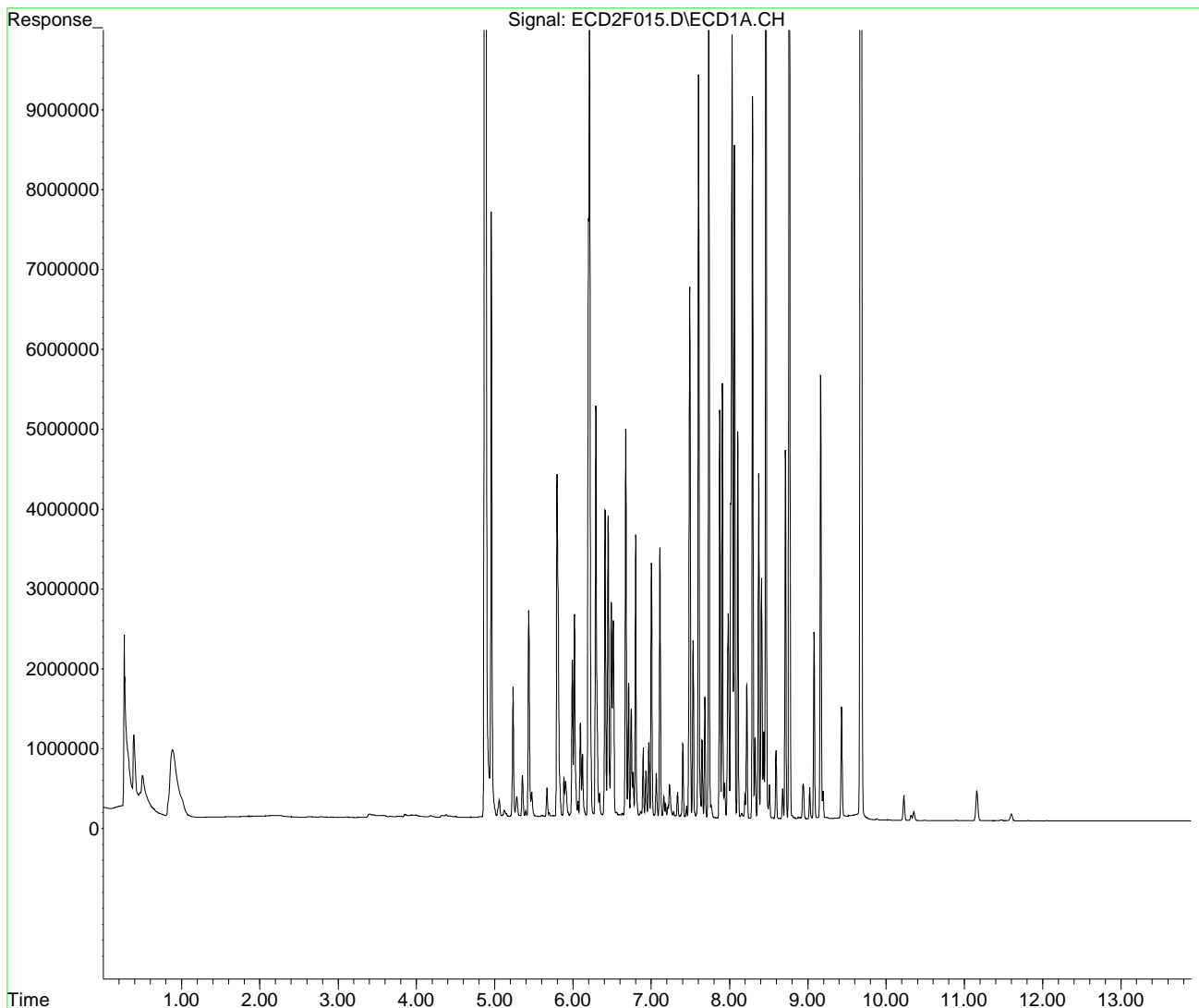
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:08
Operator : MJB / KAK
Sample : 0F22030-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:43:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:26
 Operator : MJB / KAK
 Sample : 0F22030-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
 Quant Time: Jun 23 13:44:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units | |
|-----------------------------|-------|-----------|----------|-------|---|
| ----- | | | | | |
| System Monitoring Compounds | | | | | |
| 1) S TCMX (S) | 4.881 | 129070637 | 908.748 | ng/ml | |
| 64) S DCBP (S) | 9.680 | 111320258 | 891.419 | ng/ml | ✓ |
| Target Compounds | | | | | |
| 2) Aroclor 1016 (1) | 5.798 | 6647447 | 1387.633 | ng/ml | |
| 3) Aroclor 1016 (2) | 6.212 | 14720058 | 1458.751 | ng/ml | |
| 4) Aroclor 1016 (3) | 6.293 | 7735185 | 1436.246 | ng/ml | |
| 5) Aroclor 1016 (4) | 6.451 | 5666348 | 1418.353 | ng/ml | ✓ |
| 6) Aroclor 1016 (5) | 6.674 | 7568085 | 1472.345 | ng/ml | |
| 7) Aroclor 1016 (6) | 6.801 | 5477513 | 1448.433 | ng/ml | |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml | |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. | ng/ml | |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. | ng/ml | |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. | ng/ml | |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. | ng/ml | |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. | ng/ml | |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml | |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml | |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml | |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml | |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml | |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml | |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml | |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml | |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml | |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml | |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml | |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml | |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml | |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:26
 Operator : MJB / KAK
 Sample : 0F22030-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:44:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|----------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.605 | 13838265 | 1441.356 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.737 | 17632145 | 1488.199 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 14179672 | 1528.469 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.466 | 34666662 | 1585.337 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.766 | 22472845 | 1565.053 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 8609687 | 1448.661 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:26
 Operator : MJB / KAK
 Sample : 0F22030-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 13:44:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:23:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

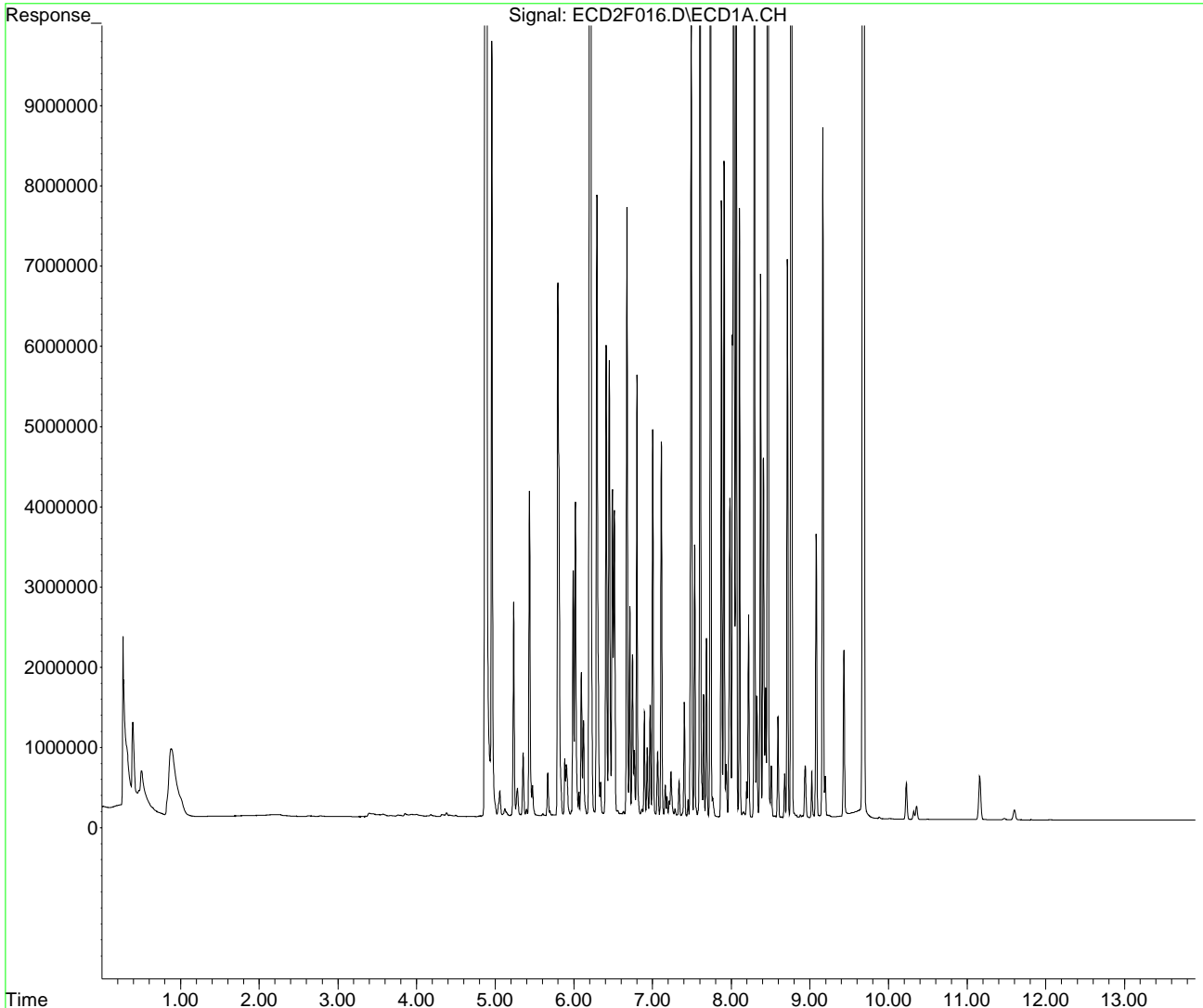
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:26
Operator : MJB / KAK
Sample : 0F22030-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:44:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Sequence Table (Front Injector):

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|--------------|----------|-----|------------|-----------|----------|
| 1 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 2 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 3 | Vial 2 | 0F22030-CCV2 | E2A21015 | 1 | Sample | | |
| 4 | Vial 3 | 0F22030-CCB1 | E2A21015 | 1 | Sample | | |
| 5 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 6 | Vial 3 | 0F22030-ICB1 | E2A21015 | 1 | Sample | | |
| 7 | Vial 54 | 0F22030-CAL1 | E2A21015 | 1 | Sample | | |
| 8 | Vial 55 | 0F22030-CAL2 | E2A21015 | 1 | Sample | | |
| 9 | Vial 56 | 0F22030-CAL3 | E2A21015 | 1 | Sample | | |
| 10 | Vial 57 | 0F22030-CAL4 | E2A21015 | 1 | Sample | | |
| 11 | Vial 58 | 0F22030-CAL5 | E2A21015 | 1 | Sample | | |
| 12 | Vial 59 | 0F22030-CAL6 | E2A21015 | 1 | Sample | | |
| 13 | Vial 60 | 0F22030-CAL7 | E2A21015 | 1 | Sample | | |
| 14 | Vial 1 | 0F22030-IBL1 | E2A21015 | 1 | Sample | | |
| 15 | Vial 61 | 0F22030-ICV1 | E2A21015 | 1 | Sample | | |
| 16 | Vial 62 | 0F22030-CAL8 | E2A21015 | 1 | Sample | | |
| 17 | Vial 63 | 0F22030-CAL9 | E2A21015 | 1 | Sample | | |
| 18 | Vial 64 | 0F22030-CALA | E2A21015 | 1 | Sample | | |
| 19 | Vial 65 | 0F22030-CALB | E2A21015 | 1 | Sample | | |
| 20 | Vial 66 | 0F22030-CALC | E2A21015 | 1 | Sample | | |
| 21 | Vial 67 | 0F22030-CALD | E2A21015 | 1 | Sample | | |
| 22 | Vial 68 | 0F22030-CALE | E2A21015 | 1 | Sample | | |
| 23 | Vial 69 | 0F22030-ICV2 | E2A21015 | 1 | Sample | | |
| 24 | Vial 70 | 0F22030-ICV3 | E2A21015 | 1 | Sample | | |
| 25 | Vial 71 | 0F22030-ICV4 | E2A21015 | 1 | Sample | | |
| 26 | Vial 72 | 0F22030-ICV5 | E2A21015 | 1 | Sample | | |

MJB
8/23/20

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 51 | Hexane | E2A21015 | 1 | Sample | | |
| 3 | Vial 52 | 0F22031-CCV2 | E2A21015 | 1 | Sample | | |
| 4 | Vial 53 | 0F22031-CCB1 | E2A21015 | 1 | Sample | | |
| 5 | Vial 53 | 0F22031-ICB1 | E2A21015 | 1 | Sample | | |
| 6 | Vial 54 | 0F22031-CAL1 | E2A21015 | 1 | Sample | | |
| 7 | Vial 55 | 0F22031-CAL2 | E2A21015 | 1 | Sample | | |
| 8 | Vial 56 | 0F22031-CAL3 | E2A21015 | 1 | Sample | | |
| 9 | Vial 57 | 0F22031-CAL4 | E2A21015 | 1 | Sample | | |
| 10 | Vial 58 | 0F22031-CAL5 | E2A21015 | 1 | Sample | | |
| 11 | Vial 59 | 0F22031-CAL6 | E2A21015 | 1 | Sample | | |
| 12 | Vial 60 | 0F22031-CAL7 | E2A21015 | 1 | Sample | | |
| 13 | Vial 51 | 0F22031-IBL1 | E2A21015 | 1 | Sample | | |
| 14 | Vial 61 | 0F22031-ICV1 | E2A21015 | 1 | Sample | | |
| 15 | Vial 62 | 0F22031-CAL8 | E2A21015 | 1 | Sample | | |
| 16 | Vial 63 | 0F22031-CAL9 | E2A21015 | 1 | Sample | | |
| 17 | Vial 64 | 0F22031-CALA | E2A21015 | 1 | Sample | | |
| 18 | Vial 65 | 0F22031-CALB | E2A21015 | 1 | Sample | | |
| 19 | Vial 66 | 0F22031-CALC | E2A21015 | 1 | Sample | | |
| 20 | Vial 67 | 0F22031-CALD | E2A21015 | 1 | Sample | | |
| 21 | Vial 68 | 0F22031-CALE | E2A21015 | 1 | Sample | | |
| 22 | Vial 69 | 0F22031-ICV2 | E2A21015 | 1 | Sample | | |
| 23 | Vial 70 | 0F22031-ICV3 | E2A21015 | 1 | Sample | | |
| 24 | Vial 71 | 0F22031-ICV4 | E2A21015 | 1 | Sample | | |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:40
 Operator : MJB / KAK
 Sample : 0F22030-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 10:39:19 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: 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) | 4.878 | 1321445 | 8.069 ng/ml |
| 64) S DCBP (S) | 9.679 | 1222731 | 10.682 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.798 | 114671 | 21.972 ng/ml |
| 3) Aroclor 1016 (2) | 6.212 | 217974 | 19.829 ng/ml |
| 4) Aroclor 1016 (3) | 6.293 | 122243 | 21.170 ng/ml |
| 5) Aroclor 1016 (4) | 6.451 | 93210 | 22.011 ng/ml |
| 6) Aroclor 1016 (5) | 6.674 | 117378 | 21.875 ng/ml |
| 7) Aroclor 1016 (6) | 6.801 | 86779 | 21.895 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:40
 Operator : MJB / KAK
 Sample : 0F22030-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:39:19 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|--------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.604 | 218884 | 22.029 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.737 | 264494 | 21.439 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 208593 | 22.716 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.466 | 458871 | 20.957 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.766 | 302800 | 22.199 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 140770 | 25.911 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:40
 Operator : MJB / KAK
 Sample : 0F22030-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:39:19 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

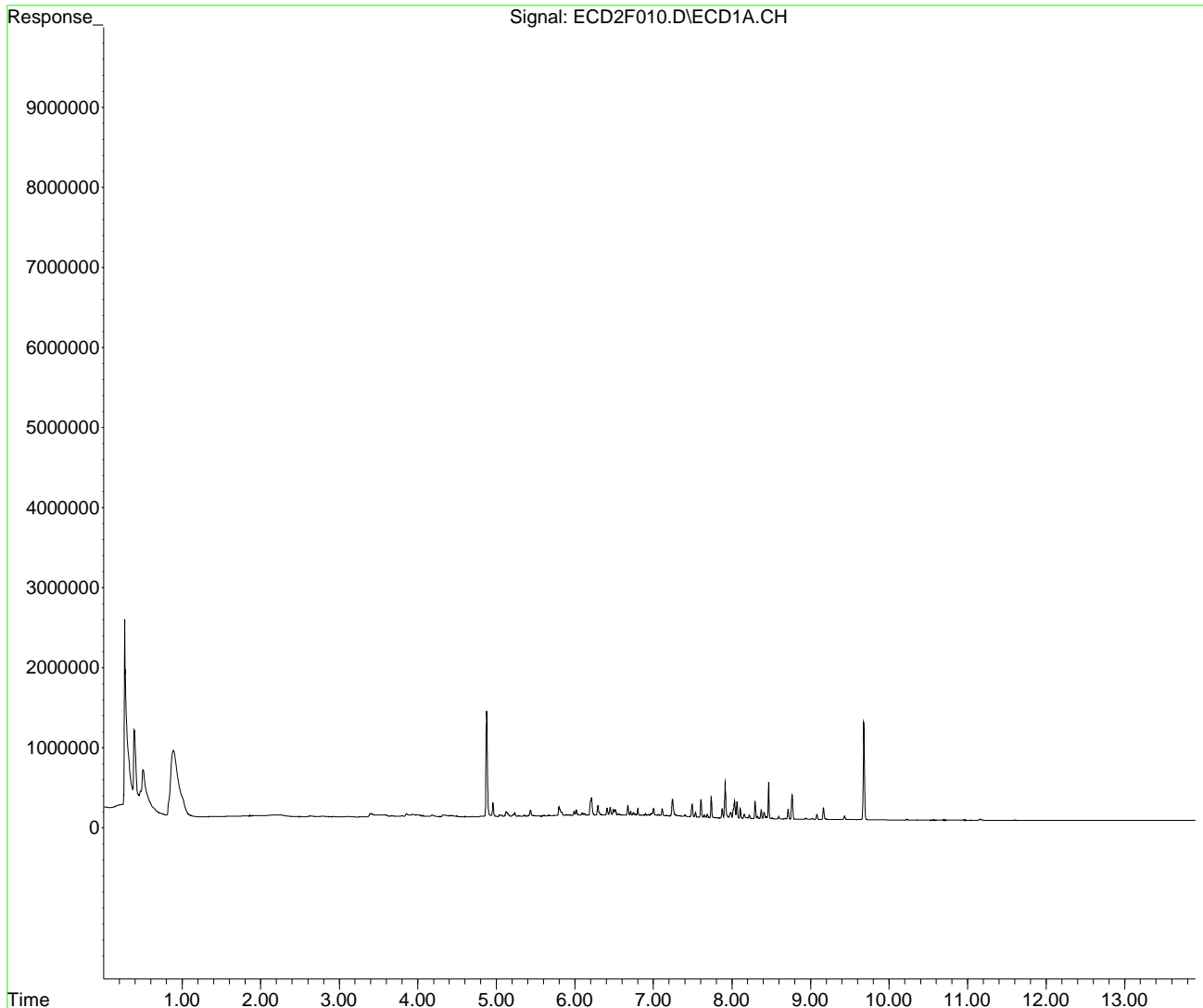
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:40
Operator : MJB / KAK
Sample : 0F22030-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:39:19 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:58
 Operator : MJB / KAK
 Sample : 0F22030-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 10:40:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: 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) | 4.878 | 3364549 | 20.545 ng/ml |
| 64) S DCBP (S) | 9.677 | 2901210 | 25.346 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.797 | 250610 | 48.020 ng/ml |
| 3) Aroclor 1016 (2) | 6.211 | 502949 | 45.753 ng/ml |
| 4) Aroclor 1016 (3) | 6.292 | 272260 | 47.150 ng/ml |
| 5) Aroclor 1016 (4) | 6.450 | 207464 | 48.991 ng/ml |
| 6) Aroclor 1016 (5) | 6.673 | 263506 | 49.109 ng/ml |
| 7) Aroclor 1016 (6) | 6.800 | 196343 | 49.539 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:58
 Operator : MJB / KAK
 Sample : 0F22030-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:40:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|--------|--------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/mld |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/mld |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/mld |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/mld |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/mld |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/mld |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/mld |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/mld |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/mld |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/mld |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/mld |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/mld |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.603 | 494275 | 49.745 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.735 | 593624 | 48.117 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.294 | 468508 | 51.020 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.464 | 1063915 | 48.590 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.764 | 695563 | 50.994 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.163 | 311796 | 57.390 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/mld |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/mld |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/mld |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/mld |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/mld |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/mld |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/mld |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 17:58
 Operator : MJB / KAK
 Sample : 0F22030-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:40:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

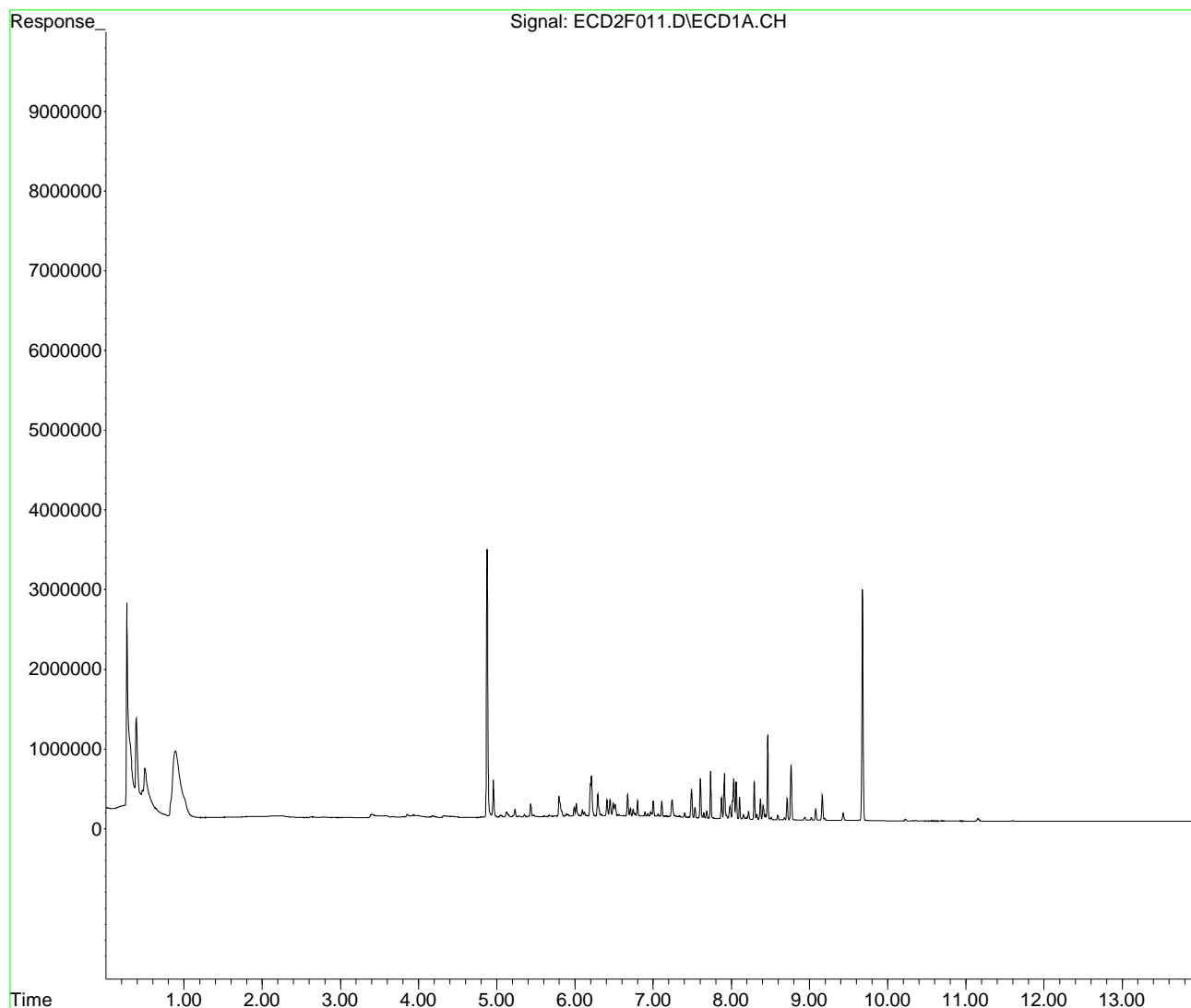
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:58
Operator : MJB / KAK
Sample : 0F22030-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:40:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:15
 Operator : MJB / KAK
 Sample : 0F22030-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 10:42:10 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: 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) | 4.879 | 6899657 | 42.131 ng/ml |
| 64) S DCBP (S) | 9.678 | 5880384 | 51.372 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.797 | 488759 | 93.652 ng/ml |
| 3) Aroclor 1016 (2) | 6.211 | 999098 | 90.888 ng/ml |
| 4) Aroclor 1016 (3) | 6.292 | 546054 | 94.566 ng/ml |
| 5) Aroclor 1016 (4) | 6.450 | 410421 | 96.918 ng/ml |
| 6) Aroclor 1016 (5) | 6.673 | 507036 | 94.494 ng/ml |
| 7) Aroclor 1016 (6) | 6.800 | 381893 | 96.355 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:15
 Operator : MJB / KAK
 Sample : 0F22030-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:42:10 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.604 | 953992 | 96.013 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.736 | 1122579 | 90.993 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.295 | 908162 | 98.898 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.464 | 2106967 | 96.228 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.765 | 1356736 | 99.467 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.162 | 579494 | 106.664 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:15
 Operator : MJB / KAK
 Sample : 0F22030-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:42:10 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

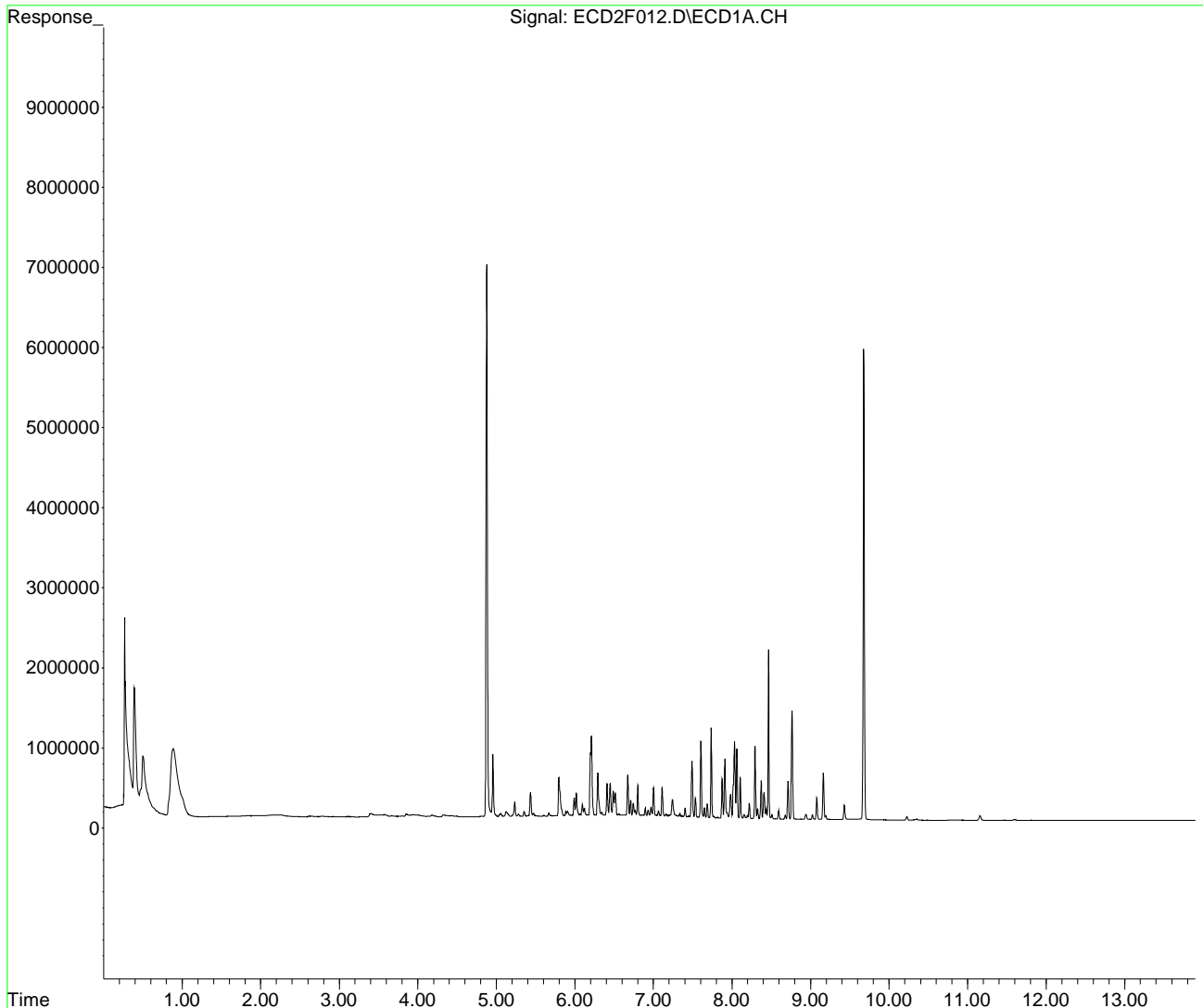
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:15
Operator : MJB / KAK
Sample : 0F22030-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:42:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:33
 Operator : MJB / KAK
 Sample : 0F22030-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 10:44:15 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: 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) | 4.877 | 13533018 | 82.636 ng/ml |
| 64) S DCBP (S) | 9.677 | 12180091 | 106.408 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.796 | 910941 | 174.547 ng/ml |
| 3) Aroclor 1016 (2) | 6.210 | 1998027 | 181.761 ng/ml |
| 4) Aroclor 1016 (3) | 6.291 | 1037136 | 179.612 ng/ml |
| 5) Aroclor 1016 (4) | 6.449 | 759854 | 179.434 ng/ml |
| 6) Aroclor 1016 (5) | 6.672 | 1005387 | 187.370 ng/ml |
| 7) Aroclor 1016 (6) | 6.799 | 699487 | 176.488 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:33
 Operator : MJB / KAK
 Sample : 0F22030-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:44:15 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|---------|--------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/mld |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/mld |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/mld |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/mld |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/mld |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/mld |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/mld |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/mld |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/mld |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/mld |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/mld |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/mld |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/mld |
| 43) | Aroclor 1260 (1) | 7.603 | 1816042 | 182.772 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.735 | 2289230 | 185.558 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.294 | 1747877 | 190.342 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.463 | 4124364 | 188.364 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.764 | 2791057 | 204.622 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.162 | 1108866 | 204.102 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/mld |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/mld |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/mld |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/mld |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/mld |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/mld |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/mld |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:33
 Operator : MJB / KAK
 Sample : 0F22030-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:44:15 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

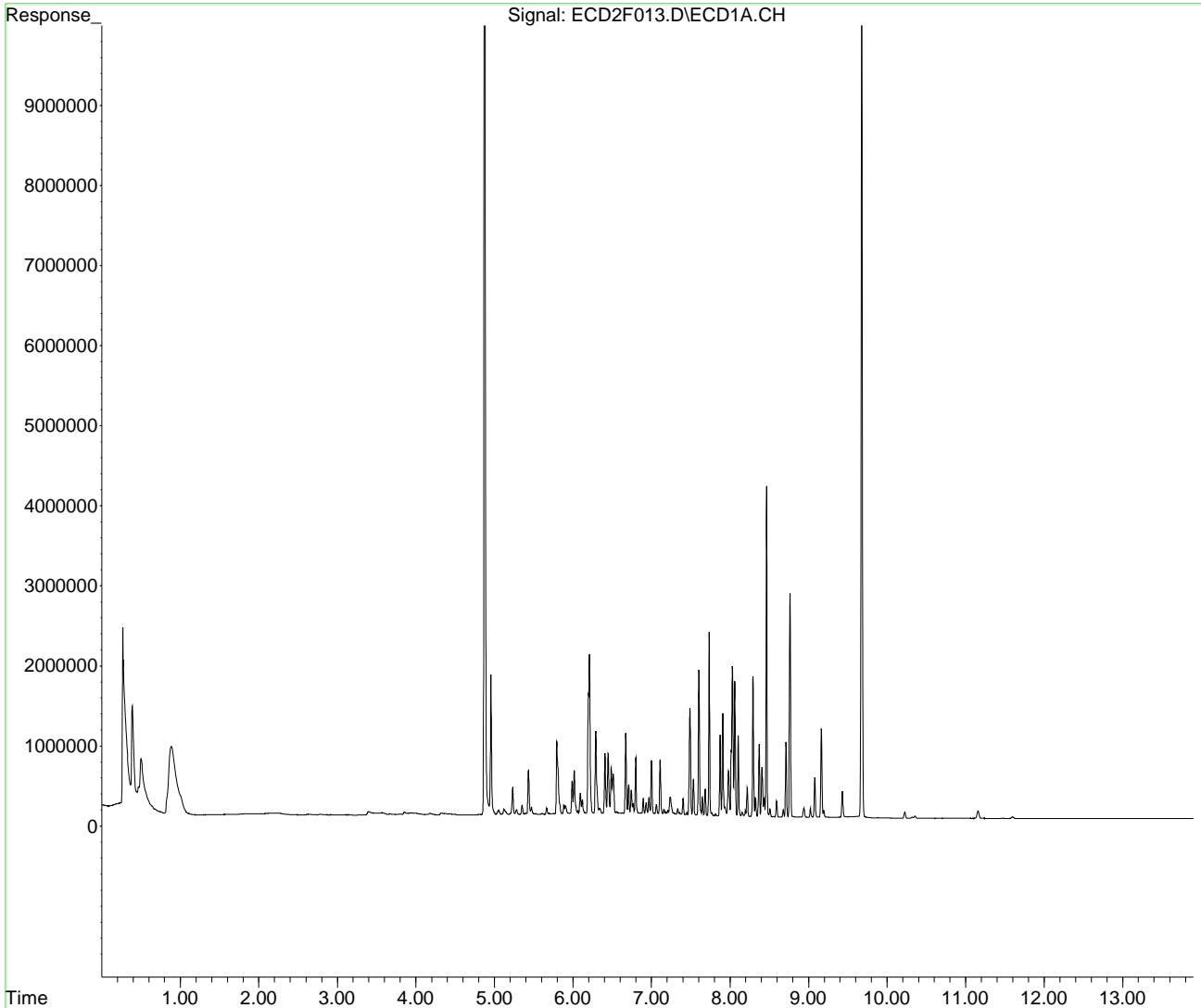
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:33
Operator : MJB / KAK
Sample : 0F22030-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:44:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:51
 Operator : MJB / KAK
 Sample : 0F22030-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 10:37:45 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 10:36:24 2020
 Response via : Initial Calibration
 Integrator: 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) | 4.879 | 35807197 | 218.647 ng/ml |
| 64) S DCBP (S) | 9.678 | 31293660 | 273.389 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.797 | 2311712 | 442.952 ng/ml |
| 3) Aroclor 1016 (2) | 6.211 | 4925919 | 448.113 ng/ml |
| 4) Aroclor 1016 (3) | 6.293 | 2599280 | 450.146 ng/ml |
| 5) Aroclor 1016 (4) | 6.450 | 1855679 | 438.204 ng/ml |
| 6) Aroclor 1016 (5) | 6.673 | 2436748 | 454.127 ng/ml |
| 7) Aroclor 1016 (6) | 6.800 | 1862202 | 469.853 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:51
 Operator : MJB / KAK
 Sample : 0F22030-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:37:45 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 10:36:24 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.604 | 4613025 | 464.270 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.736 | 5911126 | 479.137 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 4415322 | 480.824 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.465 | 10944677 | 499.856 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.765 | 7098160 | 520.392 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 2845981 | 523.843 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 18:51
 Operator : MJB / KAK
 Sample : 0F22030-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:37:45 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 10:36:24 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

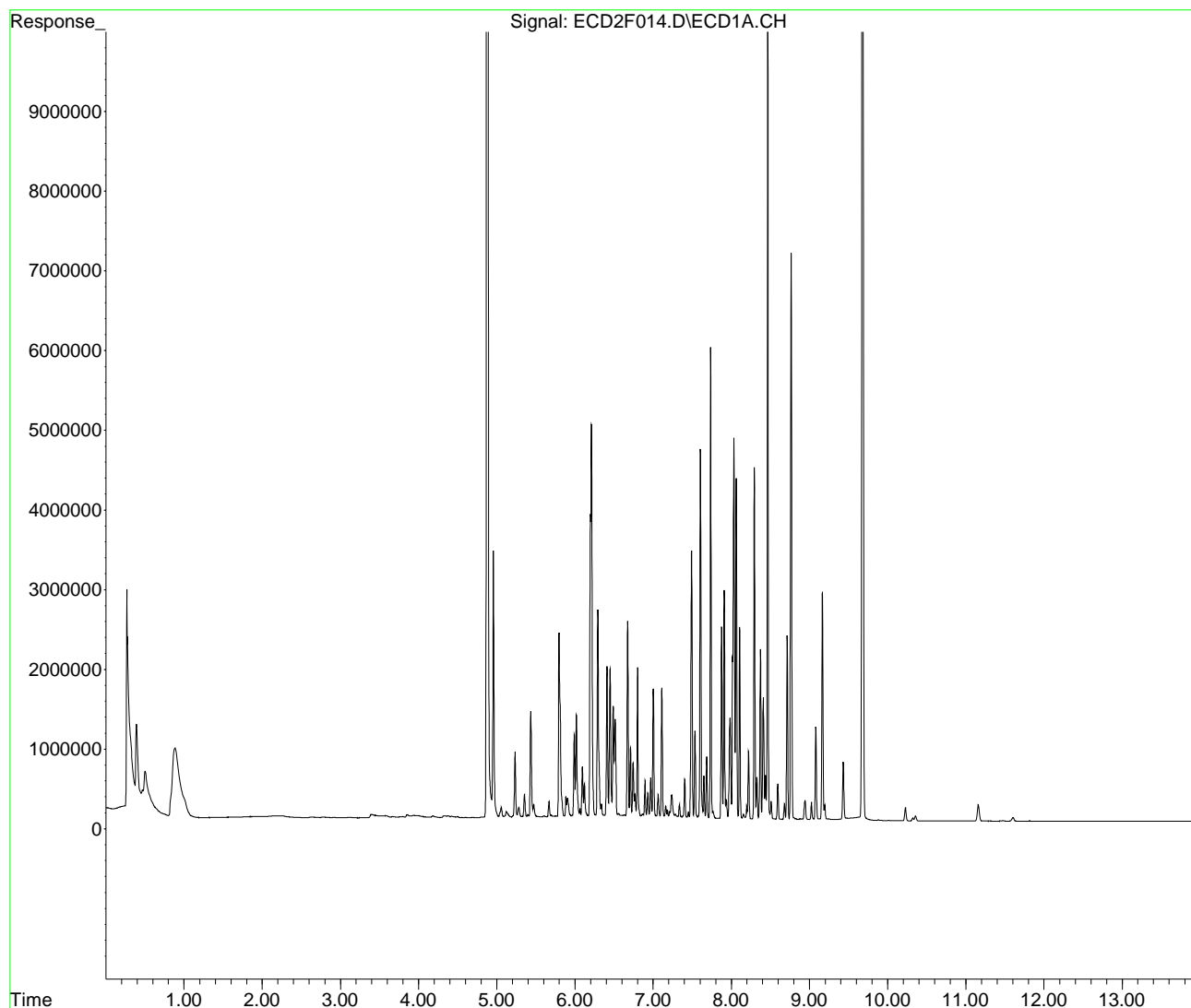
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:51
Operator : MJB / KAK
Sample : 0F22030-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:37:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 10:36:24 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:08
 Operator : MJB / KAK
 Sample : 0F22030-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 10:45:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: 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) | 4.881 | 74801019 | 456.753 ng/ml |
| 64) S DCBP (S) | 9.678 | 66051827 | 577.044 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.798 | 4290376 | 822.088 ng/ml |
| 3) Aroclor 1016 (2) | 6.212 | 10032044 | 912.619 ng/ml |
| 4) Aroclor 1016 (3) | 6.293 | 5140921 | 890.310 ng/ml |
| 5) Aroclor 1016 (4) | 6.451 | 3762955 | 888.593 ng/ml |
| 6) Aroclor 1016 (5) | 6.674 | 4825909 | 899.387 ng/ml |
| 7) Aroclor 1016 (6) | 6.800 | 3513537 | 886.501 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:08
 Operator : MJB / KAK
 Sample : 0F22030-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:45:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|----------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.604 | 9304677 | 936.453 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.736 | 11589691 | 939.423 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 9034721 | 983.872 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.465 | 22155593 | 1011.871 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.766 | 14762035 | 1082.258 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 5556964 | 1022.837 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:08
 Operator : MJB / KAK
 Sample : 0F22030-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:45:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

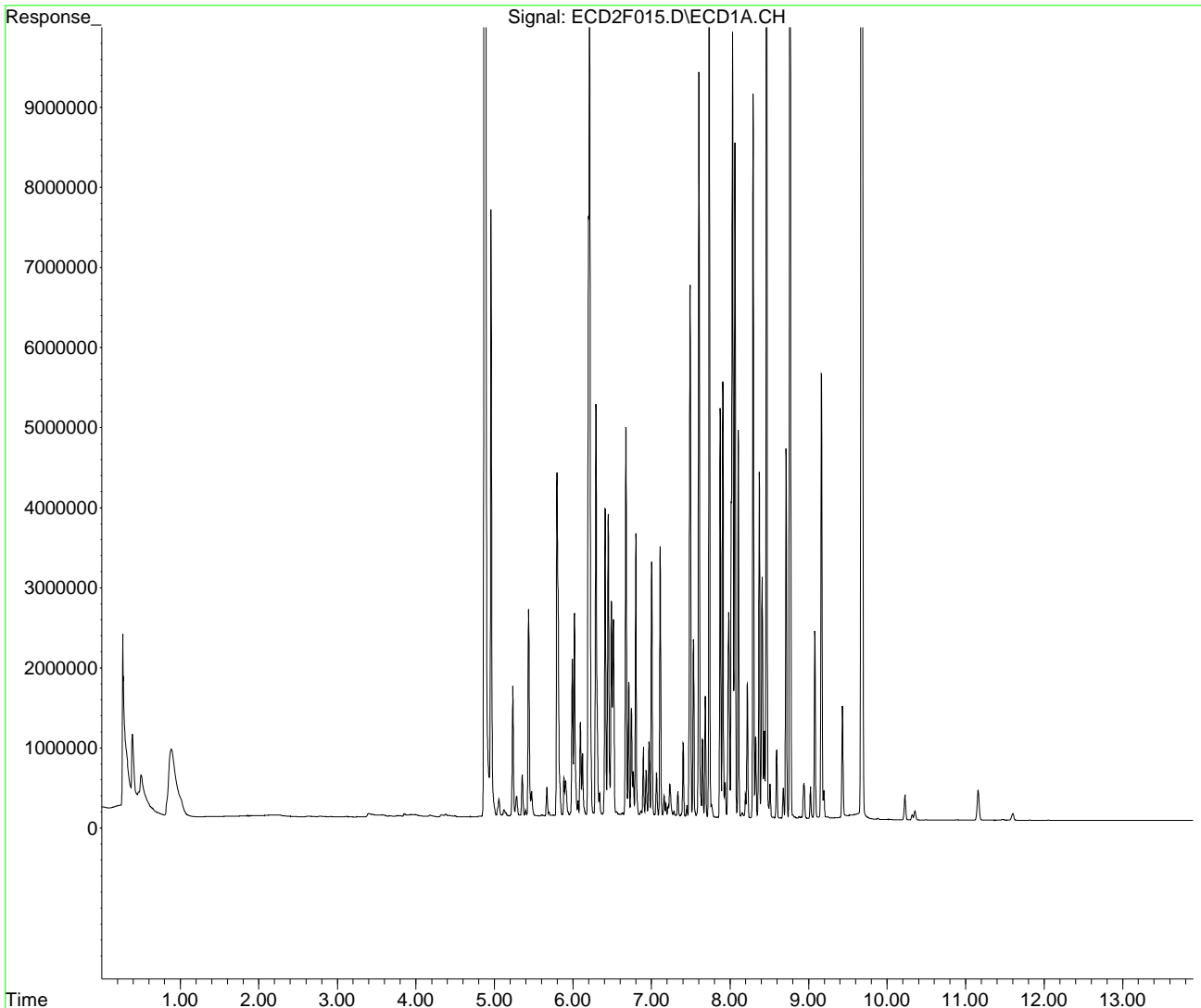
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:08
Operator : MJB / KAK
Sample : 0F22030-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:45:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:26
 Operator : MJB / KAK
 Sample : 0F22030-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 10:46:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: 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) | 4.881 | 129070637 | 788.137 ng/ml |
| 64) S DCBP (S) | 9.680 | 111320258 | 972.520 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.798 | 6647447 | 1273.731 ng/ml |
| 3) Aroclor 1016 (2) | 6.212 | 14720058 | 1339.090 ng/ml |
| 4) Aroclor 1016 (3) | 6.293 | 7735185 | 1339.588 ng/ml |
| 5) Aroclor 1016 (4) | 6.451 | 5666348 | 1338.064 ng/ml |
| 6) Aroclor 1016 (5) | 6.674 | 7568085 | 1410.436 ng/ml |
| 7) Aroclor 1016 (6) | 6.801 | 5477513 | 1382.032 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:26
 Operator : MJB / KAK
 Sample : 0F22030-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:46:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|----------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 7.605 | 13838265 | 1392.728 | ng/ml |
| 44) | Aroclor 1260 (2) | 7.737 | 17632145 | 1429.204 | ng/ml |
| 45) | Aroclor 1260 (3) | 8.296 | 14179672 | 1544.152 | ng/ml |
| 46) | Aroclor 1260 (4) | 8.466 | 34666662 | 1583.266 | ng/ml |
| 47) | Aroclor 1260 (5) | 8.766 | 22472845 | 1647.565 | ng/ml |
| 48) | Aroclor 1260 (6) | 9.164 | 8609687 | 1584.734 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 19:26
 Operator : MJB / KAK
 Sample : 0F22030-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 10:46:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun Jun 14 18:37:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

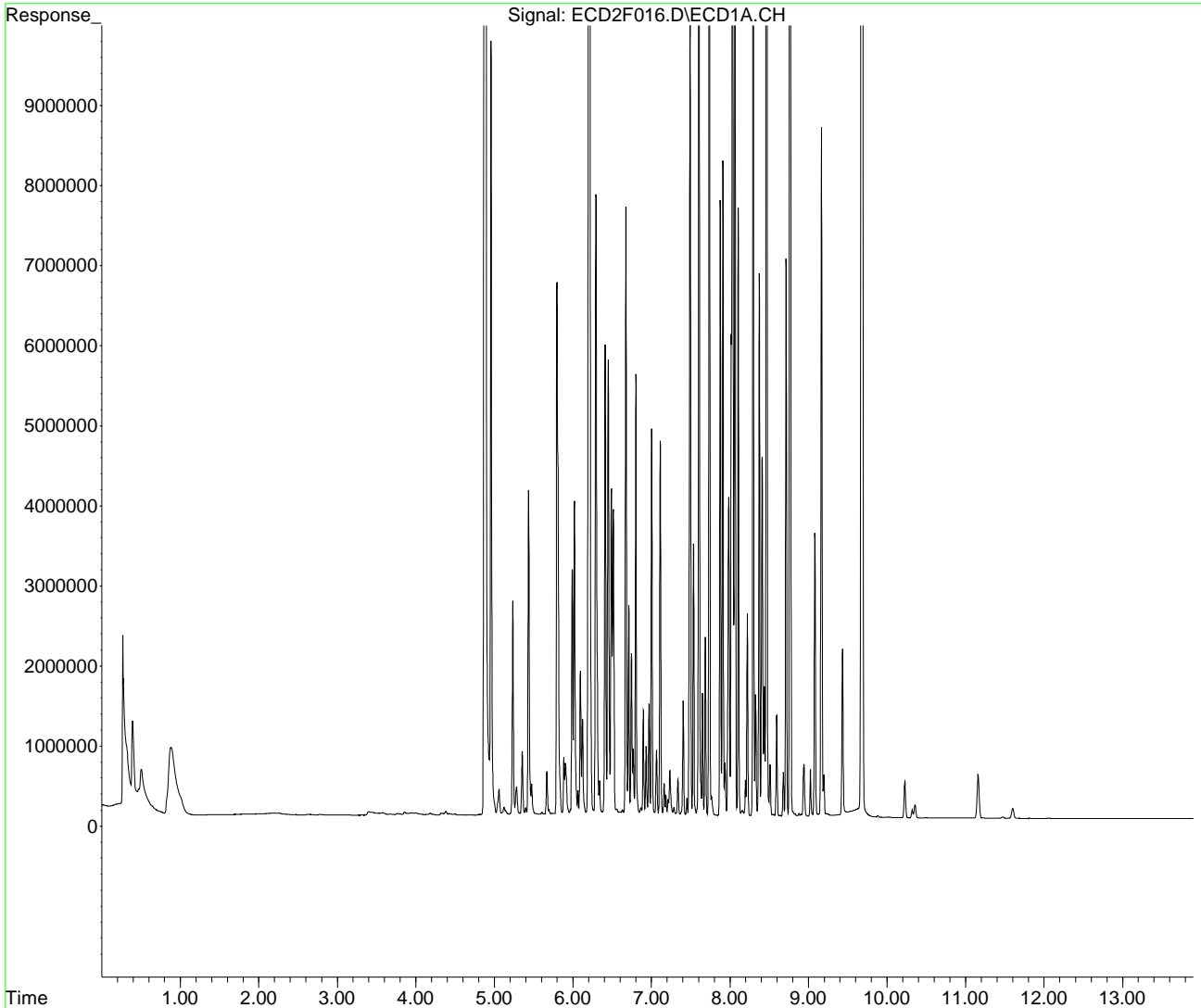
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:26
Operator : MJB / KAK
Sample : 0F22030-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:46:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:19
 Operator : MJB / KAK
 Sample : 0F22030-CAL8
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 11:10:45 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:09:45 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|-------|----------|--------------------|-------|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 0.000 | 0 | N.D. | ng/ml |
| 64) S DCBP (S) | 0.000 | 0 | N.D. | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 0.000 | 0 | N.D. | ng/ml |
| 3) Aroclor 1016 (2) | 0.000 | 0 | N.D. | ng/ml |
| 4) Aroclor 1016 (3) | 0.000 | 0 | N.D. | ng/ml |
| 5) Aroclor 1016 (4) | 0.000 | 0 | N.D. | ng/ml |
| 6) Aroclor 1016 (5) | 0.000 | 0 | N.D. | ng/ml |
| 7) Aroclor 1016 (6) | 0.000 | 0 | N.D. | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.236 | 869149 | 437.887 | ng/ml |
| 10) Aroclor 1221 (2) | 5.355 | 556194 | 432.932 | ng/ml |
| 11) Aroclor 1221 (3) | 5.435 | 1810161 | 435.923 | ng/ml |
| 12) Aroclor 1221 (4) | 5.903 | 292857 | 439.504 | ng/ml |
| 13) Aroclor 1221 (5) | 6.210 | 350215 | 449.719 | ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:19
 Operator : MJB / KAK
 Sample : 0F22030-CAL8
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:10:45 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:09:45 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 0.000 | 0 | N.D. | ng/ml |
| 44) | Aroclor 1260 (2) | 0.000 | 0 | N.D. | ng/ml |
| 45) | Aroclor 1260 (3) | 0.000 | 0 | N.D. | ng/ml |
| 46) | Aroclor 1260 (4) | 0.000 | 0 | N.D. | ng/ml |
| 47) | Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:19
 Operator : MJB / KAK
 Sample : 0F22030-CAL8
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:10:45 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:09:45 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

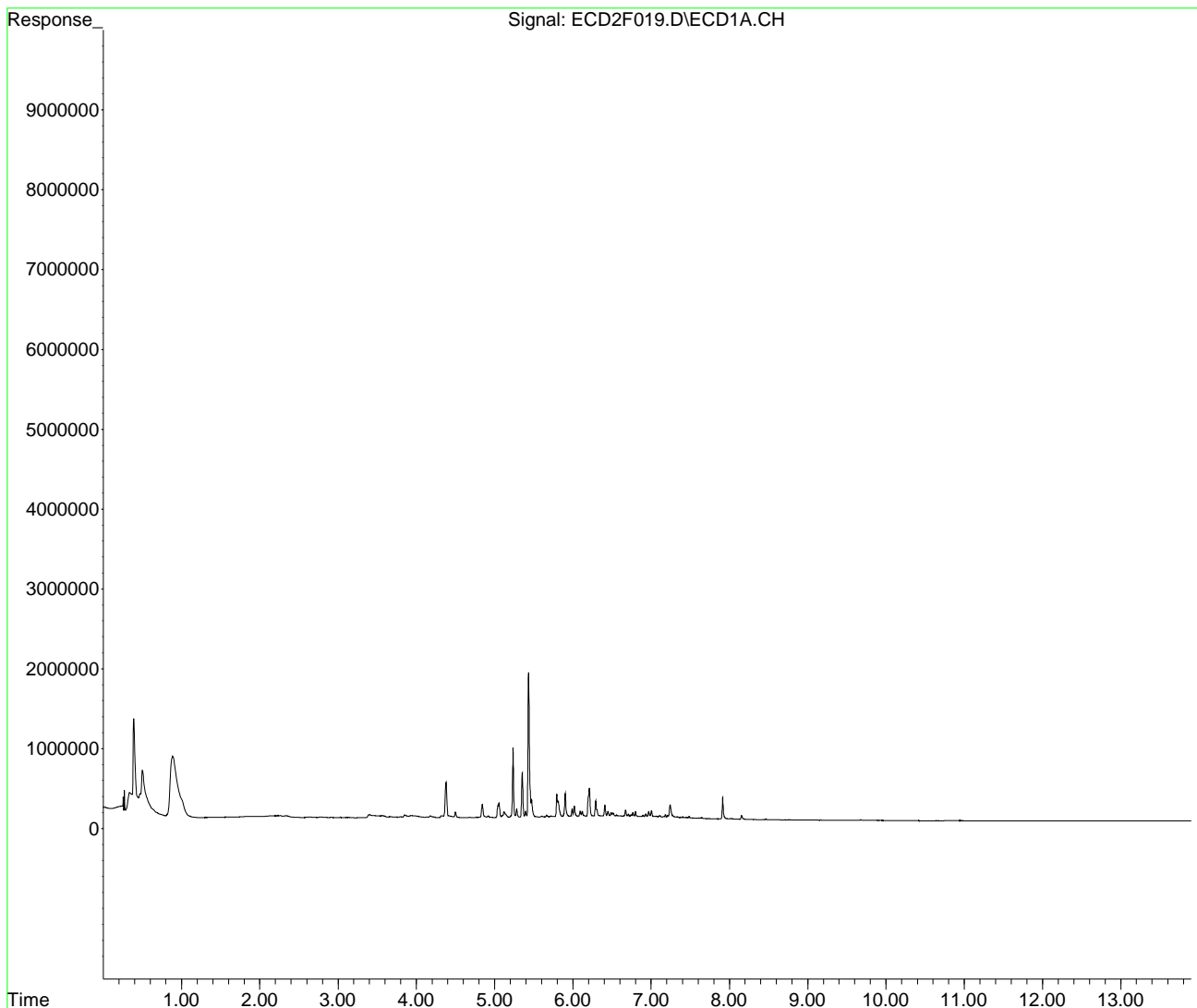
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:19
Operator : MJB / KAK
Sample : 0F22030-CAL8
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:10:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:09:45 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:37
 Operator : MJB / KAK
 Sample : 0F22030-CAL9
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 11:12:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:11:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|-------|----------|---------|-------|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 0.000 | 0 | N.D. | ng/ml |
| 64) S DCBP (S) | 0.000 | 0 | N.D. | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 0.000 | 0 | N.D. | ng/ml |
| 3) Aroclor 1016 (2) | 0.000 | 0 | N.D. | ng/ml |
| 4) Aroclor 1016 (3) | 0.000 | 0 | N.D. | ng/ml |
| 5) Aroclor 1016 (4) | 0.000 | 0 | N.D. | ng/ml |
| 6) Aroclor 1016 (5) | 0.000 | 0 | N.D. | ng/ml |
| 7) Aroclor 1016 (6) | 0.000 | 0 | N.D. | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. | ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. | ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. | ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (1) | 5.435 | 1515972 | 464.741 | ng/ml |
| 16) Aroclor 1232 (2) | 6.210 | 1965970 | 464.097 | ng/ml |
| 17) Aroclor 1232 (3) | 6.292 | 1090931 | 493.574 | ng/ml |
| 18) Aroclor 1232 (4) | 6.449 | 644798 | 467.779 | ng/ml |
| 19) Aroclor 1232 (5) | 6.673 | 914203 | 477.942 | ng/ml |
| 20) Aroclor 1232 (6) | 6.800 | 768994 | 485.351 | ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:37
 Operator : MJB / KAK
 Sample : 0F22030-CAL9
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:12:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:11:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 0.000 | 0 | N.D. | ng/ml |
| 44) | Aroclor 1260 (2) | 0.000 | 0 | N.D. | ng/ml |
| 45) | Aroclor 1260 (3) | 0.000 | 0 | N.D. | ng/ml |
| 46) | Aroclor 1260 (4) | 0.000 | 0 | N.D. | ng/ml |
| 47) | Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:37
 Operator : MJB / KAK
 Sample : 0F22030-CAL9
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:12:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:11:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

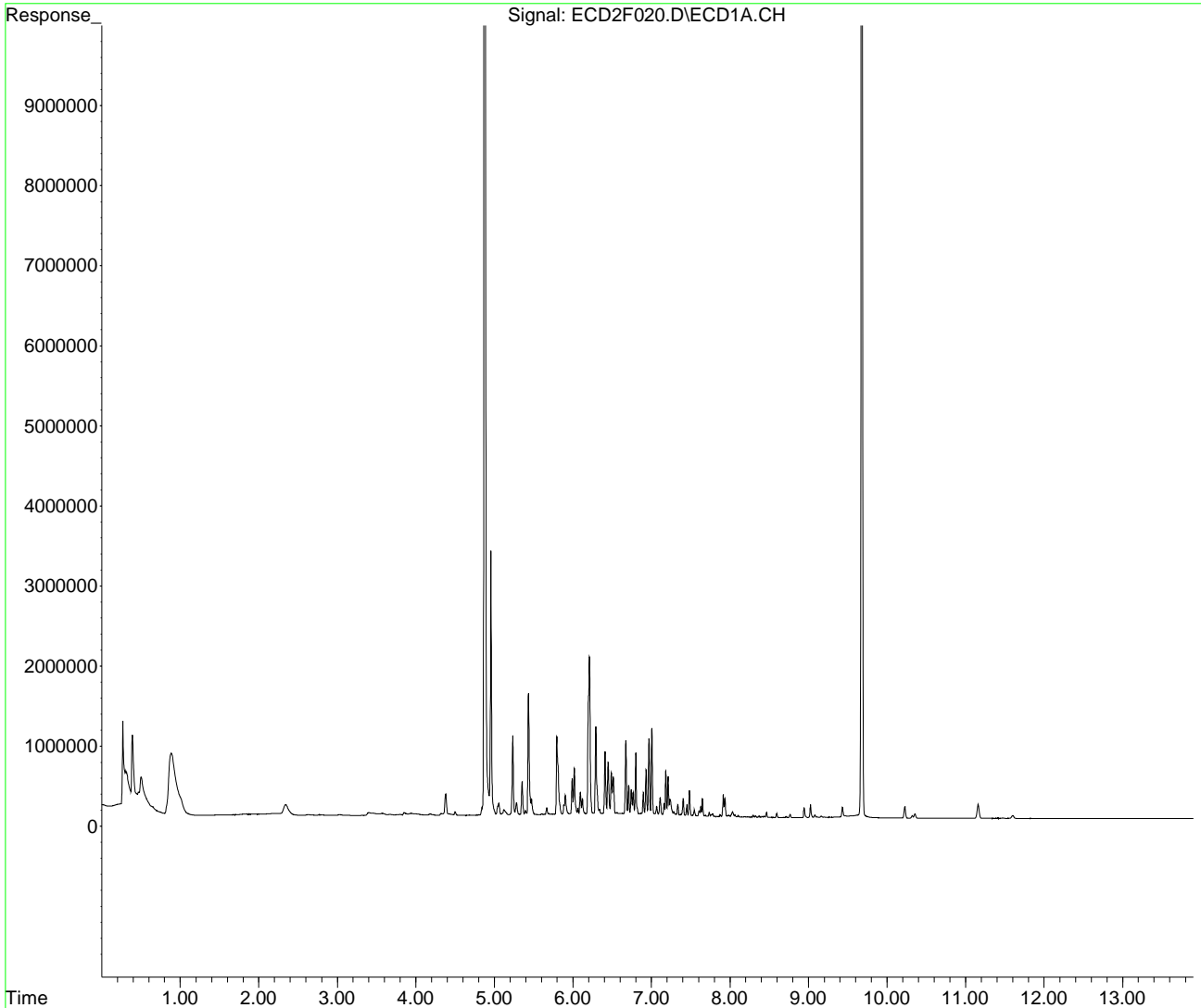
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:37
Operator : MJB / KAK
Sample : 0F22030-CAL9
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:12:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:11:38 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:54
 Operator : MJB / KAK
 Sample : 0F22030-CALA
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 11:14:29 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:13:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|-------|----------|---------|-------|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 0.000 | 0 | N.D. | ng/ml |
| 64) S DCBP (S) | 0.000 | 0 | N.D. | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 0.000 | 0 | N.D. | ng/ml |
| 3) Aroclor 1016 (2) | 0.000 | 0 | N.D. | ng/ml |
| 4) Aroclor 1016 (3) | 0.000 | 0 | N.D. | ng/ml |
| 5) Aroclor 1016 (4) | 0.000 | 0 | N.D. | ng/ml |
| 6) Aroclor 1016 (5) | 0.000 | 0 | N.D. | ng/ml |
| 7) Aroclor 1016 (6) | 0.000 | 0 | N.D. | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. | ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. | ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. | ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (1) | 5.797 | 1751610 | 484.589 | ng/ml |
| 23) Aroclor 1242 (2) | 6.210 | 3751341 | 472.694 | ng/ml |
| 24) Aroclor 1242 (3) | 6.291 | 1987423 | 480.322 | ng/ml |
| 25) Aroclor 1242 (4) | 6.450 | 1307759 | 474.071 | ng/ml |
| 26) Aroclor 1242 (5) | 6.673 | 1873592 | 492.368 | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:54
 Operator : MJB / KAK
 Sample : 0F22030-CALA
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:14:29 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:13:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|--------------------------|
| 27) | Aroclor 1242 (6) | 6.800 | 1638586 | 479.232 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 43) | Aroclor 1260 (1) | 0.000 | 0 | N.D. ng/ml |
| 44) | Aroclor 1260 (2) | 0.000 | 0 | N.D. ng/ml |
| 45) | Aroclor 1260 (3) | 0.000 | 0 | N.D. ng/ml |
| 46) | Aroclor 1260 (4) | 0.000 | 0 | N.D. ng/ml |
| 47) | Aroclor 1260 (5) | 0.000 | 0 | N.D. ng/ml |
| 48) | Aroclor 1260 (6) | 0.000 | 0 | N.D. ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 20:54
 Operator : MJB / KAK
 Sample : 0F22030-CALA
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:14:29 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:13:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

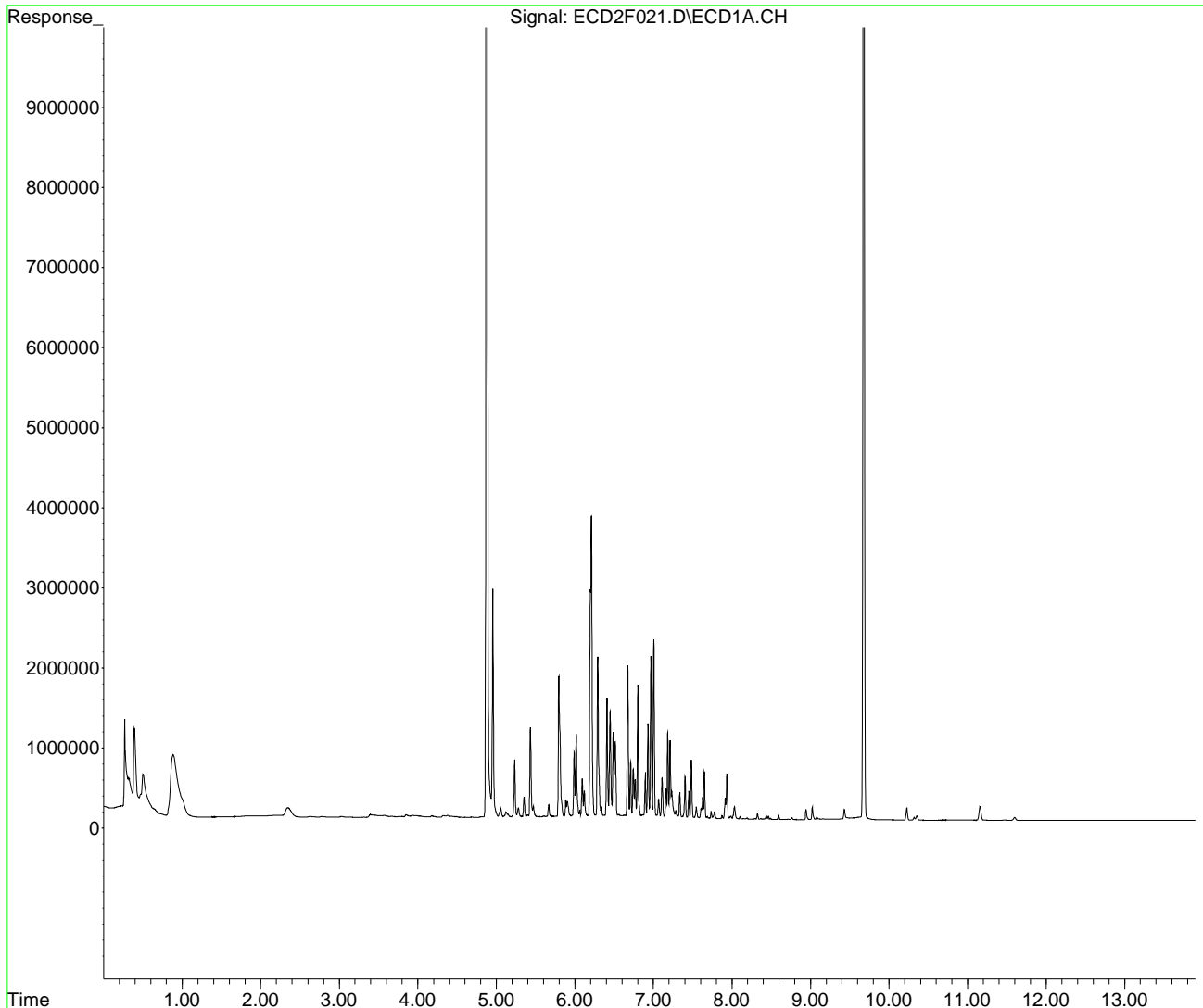
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:54
Operator : MJB / KAK
Sample : 0F22030-CALA
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:14:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:13:22 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 21:12
 Operator : MJB / KAK
 Sample : 0F22030-CALB
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 11:16:15 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:15:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|-------|----------|------|-------|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 0.000 | 0 | N.D. | ng/ml |
| 64) S DCBP (S) | 0.000 | 0 | N.D. | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 0.000 | 0 | N.D. | ng/ml |
| 3) Aroclor 1016 (2) | 0.000 | 0 | N.D. | ng/ml |
| 4) Aroclor 1016 (3) | 0.000 | 0 | N.D. | ng/ml |
| 5) Aroclor 1016 (4) | 0.000 | 0 | N.D. | ng/ml |
| 6) Aroclor 1016 (5) | 0.000 | 0 | N.D. | ng/ml |
| 7) Aroclor 1016 (6) | 0.000 | 0 | N.D. | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. | ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. | ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. | ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 21:12
 Operator : MJB / KAK
 Sample : 0F22030-CALB
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:16:15 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:15:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 6.211 | 2312013 | 473.496 | ng/ml |
| 30) | Aroclor 1248 (2) | 6.451 | 2507517 | 480.772 | ng/ml |
| 31) | Aroclor 1248 (3) | 6.673 | 3055248 | 471.109 | ng/ml |
| 32) | Aroclor 1248 (4) | 6.968 | 3663457 | 485.747 | ng/ml |
| 33) | Aroclor 1248 (5) | 7.006 | 3938451 | 468.200 | ng/ml |
| 34) | Aroclor 1248 (6) | 7.484 | 1966513 | 482.033 | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 0.000 | 0 | N.D. | ng/ml |
| 44) | Aroclor 1260 (2) | 0.000 | 0 | N.D. | ng/ml |
| 45) | Aroclor 1260 (3) | 0.000 | 0 | N.D. | ng/ml |
| 46) | Aroclor 1260 (4) | 0.000 | 0 | N.D. | ng/ml |
| 47) | Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 21:12
 Operator : MJB / KAK
 Sample : 0F22030-CALB
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:16:15 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:15:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

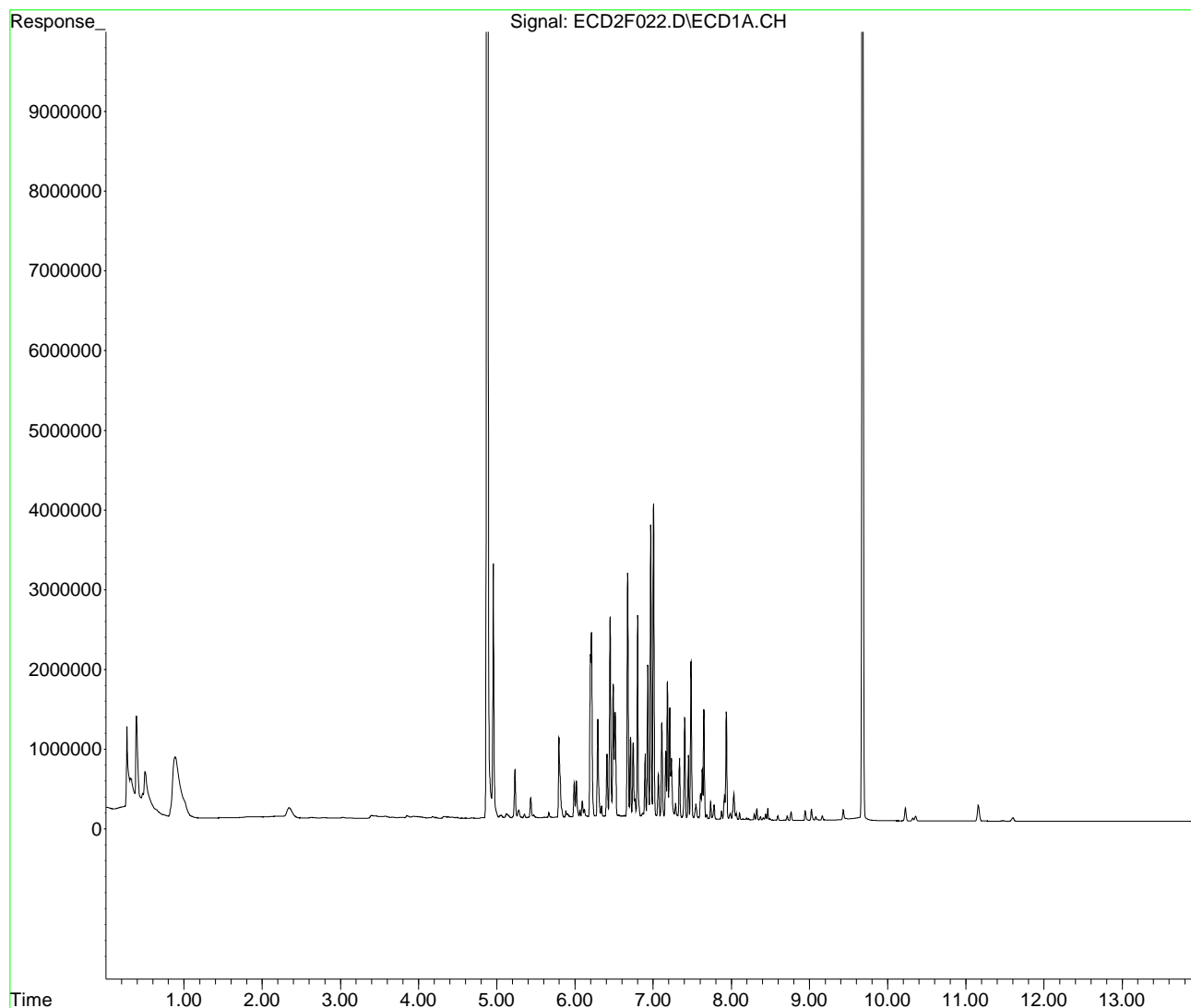
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:12
Operator : MJB / KAK
Sample : 0F22030-CALB
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:16:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:15:09 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 21:29
 Operator : MJB / KAK
 Sample : 0F22030-CALC
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 11:18:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:17:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|-------|----------|------|-------|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 0.000 | 0 | N.D. | ng/ml |
| 64) S DCBP (S) | 0.000 | 0 | N.D. | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 0.000 | 0 | N.D. | ng/ml |
| 3) Aroclor 1016 (2) | 0.000 | 0 | N.D. | ng/ml |
| 4) Aroclor 1016 (3) | 0.000 | 0 | N.D. | ng/ml |
| 5) Aroclor 1016 (4) | 0.000 | 0 | N.D. | ng/ml |
| 6) Aroclor 1016 (5) | 0.000 | 0 | N.D. | ng/ml |
| 7) Aroclor 1016 (6) | 0.000 | 0 | N.D. | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. | ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. | ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. | ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 21:29
 Operator : MJB / KAK
 Sample : 0F22030-CALC
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:18:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:17:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 7.003 | 3529056 | 450.398 | ng/ml |
| 37) | Aroclor 1254 (2) | 7.111 | 4268172 | 495.929 | ng/ml |
| 38) | Aroclor 1254 (3) | 7.485 | 6776067 | 469.247 | ng/ml |
| 39) | Aroclor 1254 (4) | 7.649 | 4629094 | 499.416 | ng/ml |
| 40) | Aroclor 1254 (5) | 8.032 | 4616466 | 510.437 | ng/ml |
| 41) | Aroclor 1254 (6) | 8.325 | 1501885 | 501.730 | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 0.000 | 0 | N.D. | ng/ml |
| 44) | Aroclor 1260 (2) | 0.000 | 0 | N.D. | ng/ml |
| 45) | Aroclor 1260 (3) | 0.000 | 0 | N.D. | ng/ml |
| 46) | Aroclor 1260 (4) | 0.000 | 0 | N.D. | ng/ml |
| 47) | Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 21:29
 Operator : MJB / KAK
 Sample : 0F22030-CALC
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:18:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:17:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

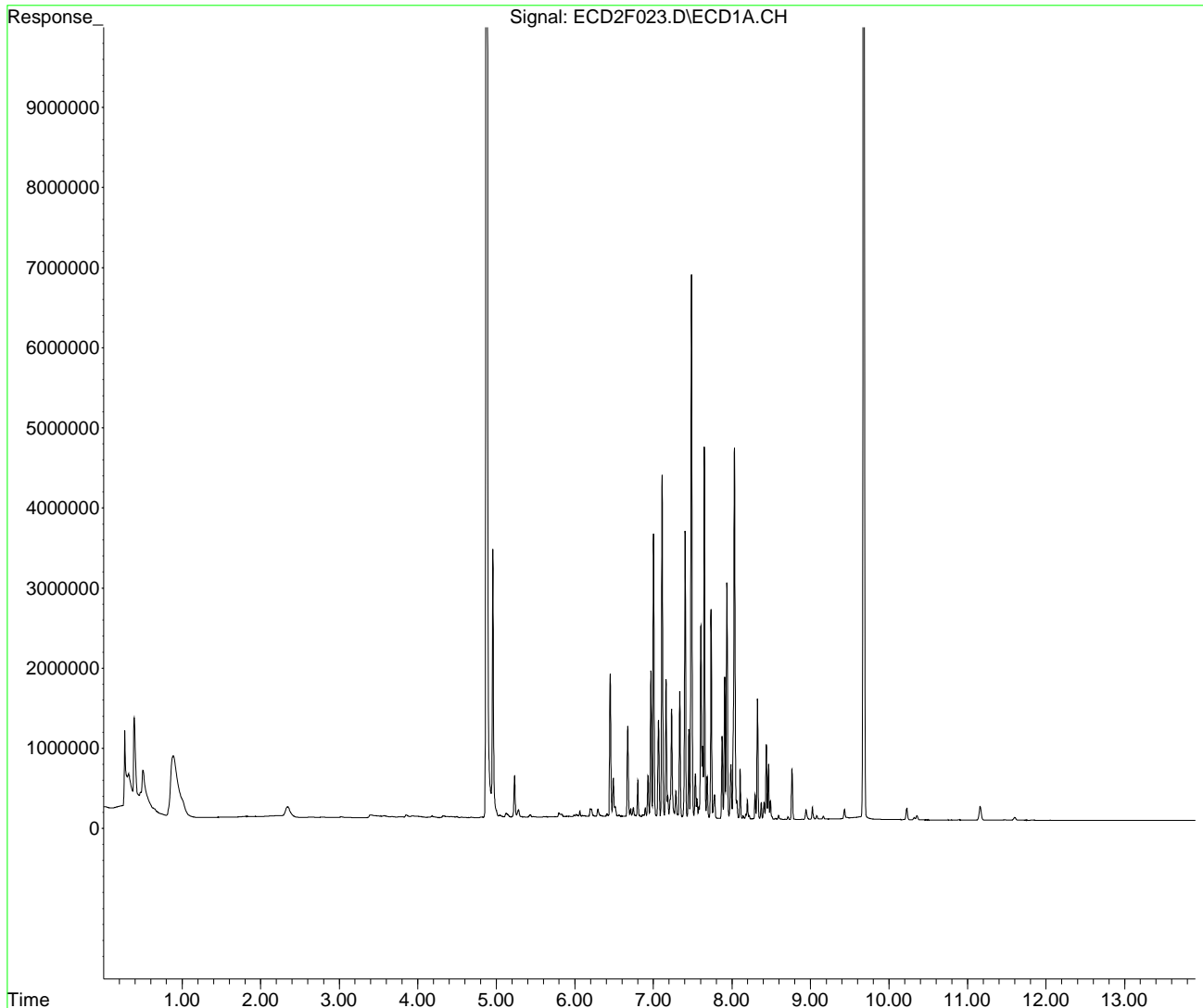
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:29
Operator : MJB / KAK
Sample : 0F22030-CALC
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:18:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:17:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F024.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 21:47
 Operator : MJB / KAK
 Sample : 0F22030-CALD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 11:19:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:18:49 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|-------|----------|------|-------|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 0.000 | 0 | N.D. | ng/ml |
| 64) S DCBP (S) | 0.000 | 0 | N.D. | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 0.000 | 0 | N.D. | ng/ml |
| 3) Aroclor 1016 (2) | 0.000 | 0 | N.D. | ng/ml |
| 4) Aroclor 1016 (3) | 0.000 | 0 | N.D. | ng/ml |
| 5) Aroclor 1016 (4) | 0.000 | 0 | N.D. | ng/ml |
| 6) Aroclor 1016 (5) | 0.000 | 0 | N.D. | ng/ml |
| 7) Aroclor 1016 (6) | 0.000 | 0 | N.D. | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. | ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. | ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. | ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F024.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 21:47
 Operator : MJB / KAK
 Sample : 0F22030-CALD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:19:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:18:49 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 0.000 | 0 | N.D. | ng/ml |
| 44) | Aroclor 1260 (2) | 0.000 | 0 | N.D. | ng/ml |
| 45) | Aroclor 1260 (3) | 0.000 | 0 | N.D. | ng/ml |
| 46) | Aroclor 1260 (4) | 0.000 | 0 | N.D. | ng/ml |
| 47) | Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 7.736 | 4535938 | 510.346 | ng/ml |
| 51) | Aroclor 1262 (2) | 8.062 | 6368536 | 505.972 | ng/ml |
| 52) | Aroclor 1262 (3) | 8.295 | 5564683 | 509.769 | ng/ml |
| 53) | Aroclor 1262 (4) | 8.464 | 11946912 | 508.416 | ng/ml |
| 54) | Aroclor 1262 (5) | 8.764 | 7241382 | 522.402 | ng/ml |
| 55) | Aroclor 1262 (6) | 9.163 | 3818027 | 566.778 | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F024.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 21:47
 Operator : MJB / KAK
 Sample : 0F22030-CALD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:19:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:18:49 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 62) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

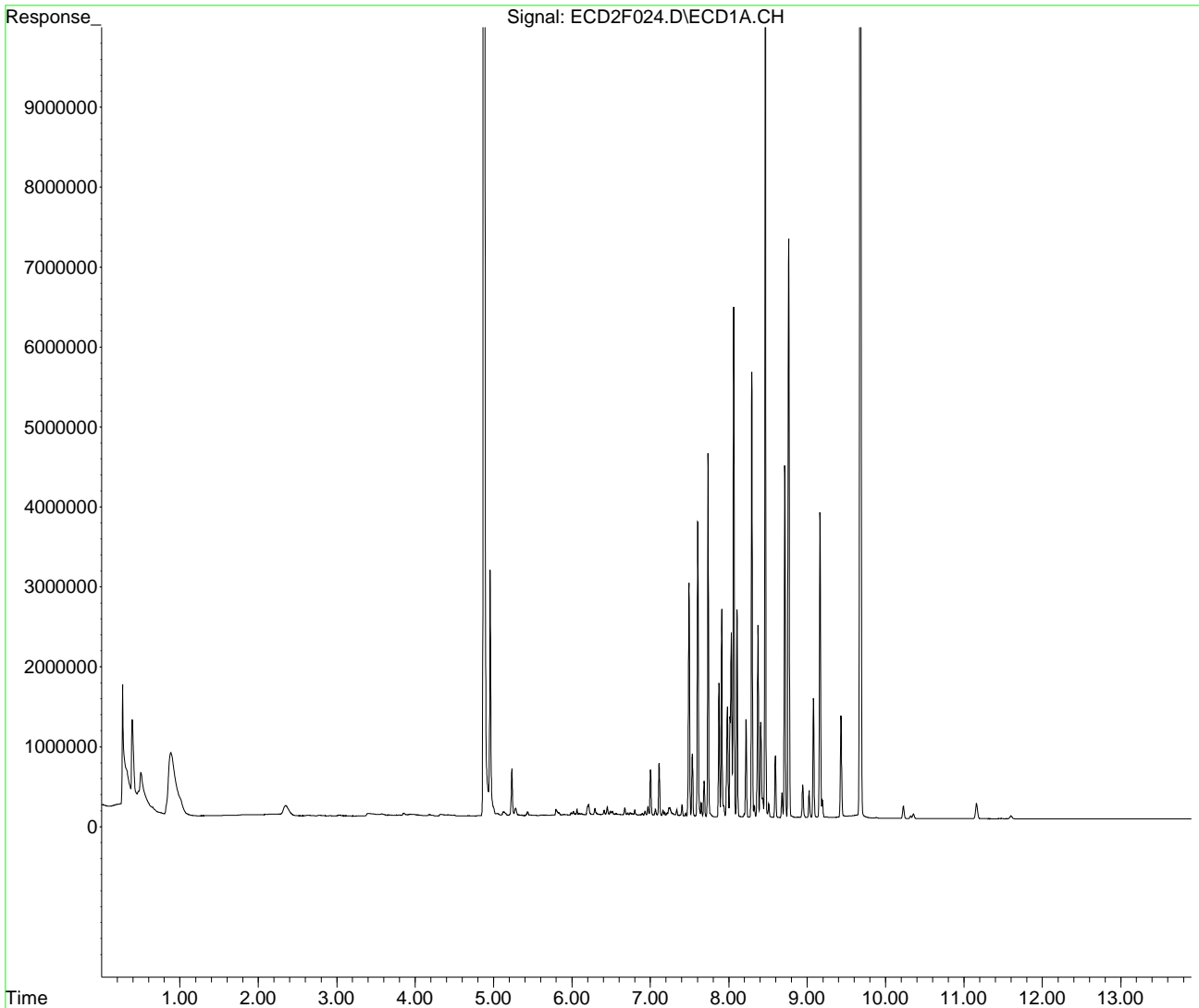
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:47
Operator : MJB / KAK
Sample : 0F22030-CALD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:19:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:18:49 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
 Data File : ECD2F025.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:05
 Operator : MJB / KAK
 Sample : 0F22030-CALE
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
 Quant Time: Jun 23 11:21:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:20:41 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|-------|----------|------|-------|
| ----- | | | | |
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 0.000 | 0 | N.D. | ng/ml |
| 64) S DCBP (S) | 0.000 | 0 | N.D. | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 0.000 | 0 | N.D. | ng/ml |
| 3) Aroclor 1016 (2) | 0.000 | 0 | N.D. | ng/ml |
| 4) Aroclor 1016 (3) | 0.000 | 0 | N.D. | ng/ml |
| 5) Aroclor 1016 (4) | 0.000 | 0 | N.D. | ng/ml |
| 6) Aroclor 1016 (5) | 0.000 | 0 | N.D. | ng/ml |
| 7) Aroclor 1016 (6) | 0.000 | 0 | N.D. | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 0.000 | 0 | N.D. | ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. | ng/ml |
| 11) Aroclor 1221 (3) | 0.000 | 0 | N.D. | ng/ml |
| 12) Aroclor 1221 (4) | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1221 (5) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F025.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:05
 Operator : MJB / KAK
 Sample : 0F22030-CALE
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:21:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:20:41 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|--------------------|-------|
| 27) | Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 29) | Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 30) | Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 31) | Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 32) | Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 33) | Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 34) | Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 36) | Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 37) | Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 38) | Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 39) | Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 40) | Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 41) | Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 43) | Aroclor 1260 (1) | 0.000 | 0 | N.D. | ng/ml |
| 44) | Aroclor 1260 (2) | 0.000 | 0 | N.D. | ng/ml |
| 45) | Aroclor 1260 (3) | 0.000 | 0 | N.D. | ng/ml |
| 46) | Aroclor 1260 (4) | 0.000 | 0 | N.D. | ng/ml |
| 47) | Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (1) | 8.287 | 2852797 | 505.771 | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
 Data File : ECD2F025.D
 Signal(s) : ECD1A.CH
 Acq On : 22 Jun 2020 22:05
 Operator : MJB / KAK
 Sample : 0F22030-CALE
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 23 11:21:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jun 23 11:20:41 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|--------------------------|
| 58) | Aroclor 1268 (2) | 8.714 | 13872474 | 528.370 ng/ml |
| 59) | Aroclor 1268 (3) | 8.761 | 11774233 | 509.083 ng/ml |
| 60) | Aroclor 1268 (4) | 8.945 | 10771801 | 509.888 ng/ml |
| 61) | Aroclor 1268 (5) | 9.164 | 4220282 | 566.602 ng/ml |
| 62) | Aroclor 1268 (6) | 9.433 | 32226609 | 555.364 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

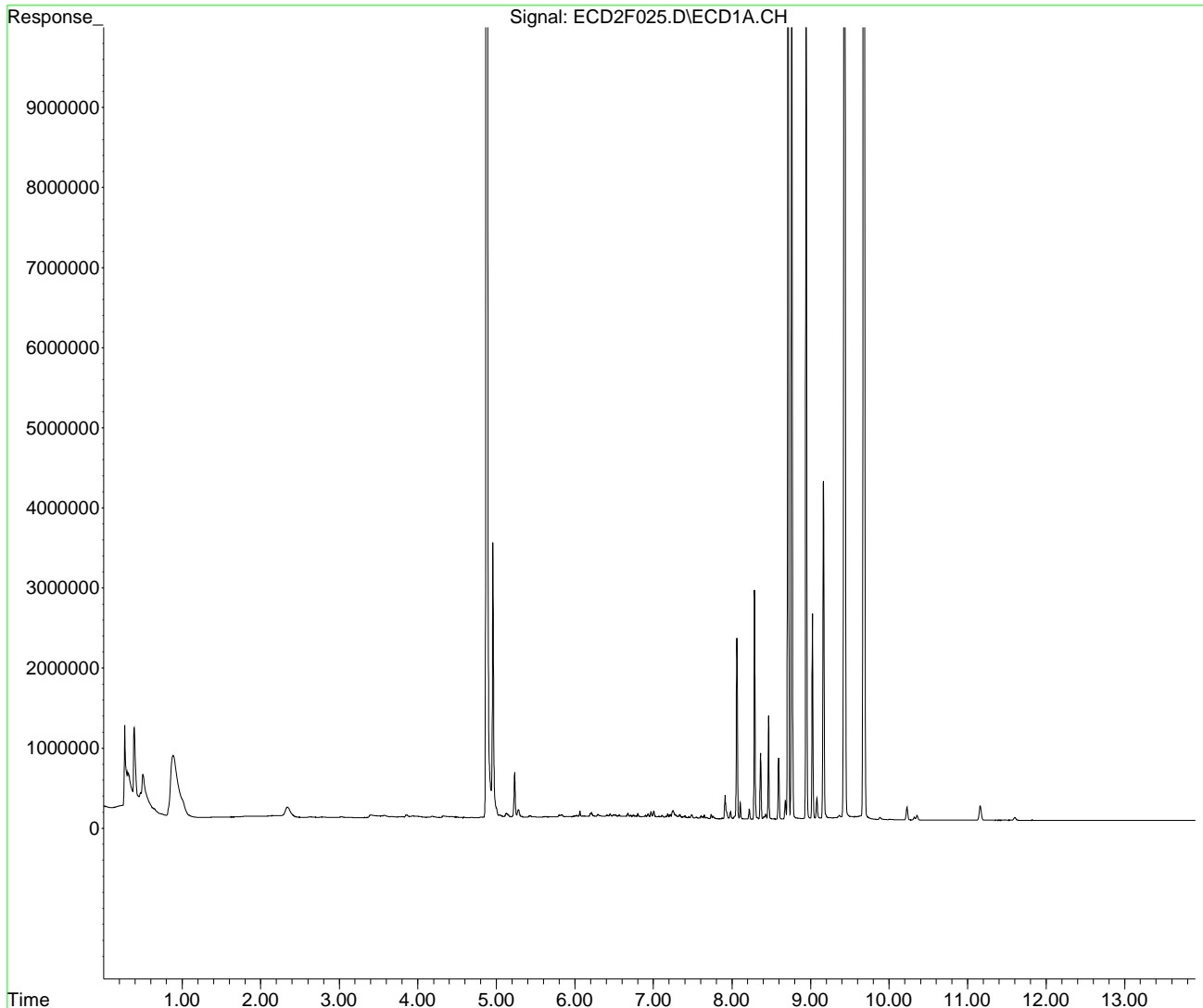
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:05
Operator : MJB / KAK
Sample : 0F22030-CALE
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:21:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:20:41 2020
Response via : Initial Calibration
Integrator: 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 0070206

Sequence 0G09046 (A0F0647-01RE3,02RE3,03RE3,04RE3)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0070206 (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 | one | >11 |
| | 0070206-BLK1 | QC | 07/07/20 12:49 | 11 | 10 | | | | 100 | | | | | |
| | 0070206-BS1 | QC | 07/07/20 12:49 | 10 | 10 | A20E221 | | 100 | 100 | | | | | |
| | A0F0647-01RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.1 | 10 | | | | 100 | PDI-149SC-A-01-02-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB | | | |
| | 0070206-DUP1 | QC | 07/07/20 12:49 | 10.15 | 10 | | A0F0647-01RE3 | | 100 | | | | | |
| | A0F0647-02RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.02 | 10 | | | | 100 | PDI-149SC-A-02-03-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB | | | |
| | A0F0647-03RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.35 | 10 | | | | 100 | PDI-150SC-A-08-09-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB | | | |
| | A0F0647-04RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.4 | 10 | | | | 100 | PDI-150SC-A-09-10-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB | | | |
| | A0F0667-01RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.03 | 20 | | | | 100 | PDI-063SC-A-06-07-200429 | MS was not spiked. Re-extract added 7/7/2020 by MJB | | | |
| | A0F0667-02RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.39 | 10 | | | | 100 | PDI-063SC-A-07-08-200429 | MS was not spiked. Re-extract added 7/7/2020 by MJB | | | |
| | A0F0670-01RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.11 | 10 | | | | 100 | PDI-166SC-A-08-09-200520 | MS was not spiked. Re-extract added 7/7/2020 by MJB | | | |
| | A0F0670-02RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.72 | 10 | | | | 100 | PDI-166SC-A-09-10-200520 | MS was not spiked. Re-extract added 7/7/2020 by MJB | | | |
| | 0070206-MS1 | QC | 07/07/20 12:49 | 10.72 | 10 | A20E221 | A0F0670-02RE3 | 100 | 100 | | | | | |
| | A0F0670-03RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.25 | 10 | | | | 100 | PDI-166SC-A-10-11.2-200520 | MS was not spiked. Re-extract added 7/7/2020 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 | A20E221 | 09/25/20 | 2,4 + 4,4 DDx Pesticide Matrix Spike | A20G026 | 12/12/20 | 8082 PCB Surrogate Spike |
| A20F399 | 12/23/20 | DCM CHEM PROD. DY942-US | | | | | | |

From 0070145 on 7/8/2020 by gwh

Prepared By: _____ Date _____

Reviewed By: _____ Date 7/10/20

MJB



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0070206 (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 | Other | >11 |
| 3 | 0070206-BLK1 | QC | 07/07/20 12:49 | 11 | 510 | | | | 100 | | 1mL 2mL | | | |
| 4 | 0070206-BS1 | QC | 07/07/20 12:49 | 10 | 510 | A20E221 | | 100 | 100 | | 1mL 2mL | | | |
| 5 | A0F0647-01RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.1 | 510 | | | | 100 | PDI-149SC-A-01-02-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB | 2mL | | (S) |
| 6 | 0070206-DUP1 | QC | 07/07/20 12:49 | 10.15 | 510 | | A0F0647-01RE3 | | 100 | | 1mL 2mL | | | |
| 7 | A0F0647-02RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.02 | 510 | | | | 100 | PDI-149SC-A-02-03-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB | 2mL | | |
| 8 | A0F0647-03RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.35 | 510 | | | | 100 | PDI-150SC-A-08-09-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB | 2mL | | |
| 9 | A0F0647-04RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.4 | 510 | | | | 100 | PDI-150SC-A-09-10-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB | 2mL | | |
| 10 | A0F0667-01RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.03 | 520 | | | | 100 | PDI-063SC-A-06-07-200429 | MS was not spiked. Re-extract added 7/7/2020 by MJB | 2mL | | (S) P |
| 11 | A0F0667-02RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.39 | 510 | | | | 100 | PDI-063SC-A-07-08-200429 | MS was not spiked. Re-extract added 7/7/2020 by MJB | 2mL | | |
| 12 | A0F0670-01RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.11 | 510 | | | | 10.11 | PDI-166SC-A-08-09-200520 | MS was not spiked. Re-extract added 7/7/2020 by MJB | 2mL | | |
| 13 | A0F0670-02RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.72 | 510 | | | | 100 | PDI-166SC-A-09-10-200520 | MS was not spiked. Re-extract added 7/7/2020 by MJB | 2mL | | |
| 14 | 0070206-MS1 | QC | 07/07/20 12:49 | 10.72 | 510 | A20E221 | A0F0670-02RE3 | 100 | 100 | | 1mL 2mL | | | |
| 15 | A0F0670-03RE3 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.25 | 510 | | | | 100 | PDI-166SC-A-10-11.2-200520 | MS was not spiked. Re-extract added 7/7/2020 by MJB | 2mL | | (S) |

Standards/Reagents

| Reagent(s) | | | Analyte Spike(s) | | | Surrogate(s) | | |
|------------|-----------|-------------------------|------------------|-----------|--------------------------------------|--------------|-----------|--------------------------|
| Std ID | Exp. Date | Description | Std ID | Exp. Date | Description | Std ID | Exp. Date | Description |
| A20A032 | 06/30/23 | n-Hexane Lot# 197051 | A20E221 | 09/25/20 | 2,4 + 4,4 DDx Pesticide Matrix Spike | A20G026 | 12/12/20 | 8082 PCB Surrogate Spike |
| A20F399 | 12/23/20 | DCM CHEM PROD. DY942-US | | | | | | |

From 0070145 on 7/8/2020 by gwh

P = precipitate formed during solvent exchange. Nov 7-9-20

on GPC #2

(S) = staining on turbovap

tube during solvent exchange. Nov 7-9-20

Prepared By: AWJ Date: 7/8/20
7-9-20

Reviewed By: cas Date: 07/09/2020



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0070145 (Sediment)

Prep Method: EPA 3546

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | |
|---|---------------|---------------------------------|----------------|-------------|------------|----------|---------------|----------|----------|----------------------------|--|----|-----|
| | | | | | | | | | | | | <2 | >11 |
| | 0070145-BLK1 | QC | 07/07/20 12:49 | 10.11 | 5 | | | | 100 | | | | |
| | 0070145-BS1 | QC | 07/07/20 12:49 | 10 | 5 | A20E221 | | 100 | 100 | | | | |
| | A0F0647-01RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.10 | 5 | | | | 100 | PDI-149SC-A-01-02-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB soil # | | |
| | 0070145-DUP1 | QC | 07/07/20 12:49 | 10.15 | 5 | | A0F0647-01RE2 | | 100 | | soil # | | |
| | A0F0647-02RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.02 | 5 | | | | 100 | PDI-149SC-A-02-03-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB soil.org | | |
| | A0F0647-03RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.35 | 5 | | | | 100 | PDI-150SC-A-08-09-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB soil | | |
| | A0F0647-04RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.40 | 5 | | | | 100 | PDI-150SC-A-09-10-200425 | MS was not spiked. Re-extract added 7/7/2020 by MJB soil | | |
| | A0F0667-01RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.03 | 5 | | | | 100 | PDI-063SC-A-06-07-200429 | MS was not spiked. Re-extract added 7/7/2020 by MJB mudH | | |
| | A0F0667-02RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.39 | 5 | | | | 100 | PDI-063SC-A-07-08-200429 | MS was not spiked. Re-extract added 7/7/2020 by MJB mud | | |
| | A0F0670-01RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.11 | 5 | | | | 100 | PDI-166SC-A-08-09-200520 | MS was not spiked. Re-extract added 7/7/2020 by MJB soil.org | | |
| | A0F0670-02RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.72 | 5 | | | | 100 | PDI-166SC-A-09-10-200520 | MS was not spiked. Re-extract added 7/7/2020 by MJB soil.org | | |
| | 0070145-MS1 | QC | 07/07/20 12:49 | 10.72 | 5 | A20E221 | A0F0670-02RE2 | 100 | 100 | | | | |
| | A0F0670-03RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 07/07/20 12:49 | 10.25 | 5 | | | | 100 | PDI-166SC-A-10-11.2-200520 | MS was not spiked. Re-extract added 7/7/2020 by MJB soil.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 | A20E221 | 09/25/20 | 2,4 + 4,4 DDx Pesticide Matrix Spike | A20G026 | 12/12/20 | 8082 PCB Surrogate Spike |
| A20B017 | 08/01/20 | Glass Wool | | | | | | |
| A20F023 | 11/29/22 | Sodium Sulfate Lot # 196476 | | | | | | |
| A20F299 | 12/16/20 | DCM Fisher #186806 | | | | | | |

Method 3546 digestion time and temperature achieved.
 Initial: JAG

= staining on turbid.

Witness: CAS 07/07/2020

Prepared By: CAM Date: 7/7/20

Reviewed By: CAS Date: 07/07/2020



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **OG09046**

Instrument: **DUALECD8**

Date: **07/09/20 11:17**

Calibration: **A0F0804**

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|---------------|----------|-------------------------------|-----------------|----------|---------|---------|---------|
| 1 | OG09046-BKD1 | Sediment | QC | QC | | | | A20E203 |
| 2 | OG09046-CCV1 | Sediment | QC | QC | | | | A20E232 |
| 3 | OG09046-CCV2 | Sediment | QC | QC | | | | A20C358 |
| 4 | OG09046-CCB1 | Sediment | QC | QC | | | | A20F379 |
| 5 | 0070206-BLK1 | Sediment | QC | QC | | 0070206 | | |
| 6 | 0070206-BS1 | Sediment | QC | QC | | 0070206 | | |
| 7 | A0F0647-03RE3 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 07/08/20 | 0070206 | | |
| 8 | A0F0647-04RE3 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 07/08/20 | 0070206 | | |
| 9 | A0F0670-03RE3 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 07/08/20 | 0070206 | | |
| 10 | A0F0670-01RE3 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 07/08/20 | 0070206 | | |
| 11 | OG09046-IBL1 | Sediment | QC | QC | | | | |
| 12 | A0F0667-02RE3 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 07/08/20 | 0070206 | | |
| 13 | OG09046-IBL2 | Sediment | QC | QC | | | | |
| 14 | OG09046-CCV3 | Sediment | QC | QC | | | | A20E233 |
| 15 | OG09046-CCV4 | Sediment | QC | QC | | | | A20C359 |
| 16 | OG09046-CCB2 | Sediment | QC | QC | | | | A20F379 |
| 17 | A0F0647-01RE3 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 07/08/20 | 0070206 | | |
| 18 | OG09046-IBL3 | Sediment | QC | QC | | | | |
| 19 | 0070206-DUP1 | Sediment | QC | QC | | 0070206 | | |
| 20 | OG09046-IBL4 | Sediment | QC | QC | | | | |
| 21 | A0F0647-02RE3 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 07/08/20 | 0070206 | | |
| 22 | OG09046-IBL5 | Sediment | QC | QC | | | | |
| 23 | A0F0667-01RE3 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 07/08/20 | 0070206 | | |
| 24 | OG09046-IBL6 | Sediment | QC | QC | | | | |
| 25 | A0F0670-02RE3 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 07/08/20 | 0070206 | | |
| 26 | OG09046-IBL7 | Sediment | QC | QC | | | | |
| 27 | 0070206-MS1 | Sediment | QC | QC | | 0070206 | | |
| 28 | OG09046-IBL8 | Sediment | QC | QC | | | | |
| 29 | OG09046-CCV5 | Sediment | QC | QC | | | | A20E232 |
| 30 | OG09046-CCV6 | Sediment | QC | QC | | | | A20C358 |
| 31 | OG09046-CCB3 | Sediment | QC | QC | | | | A20F379 |
| 32 | OG09046-IBL9 | Sediment | QC | QC | | | | |
| 33 | OG09046-IBLA | Sediment | QC | QC | | | | |

Data Entered By/Date: MJB 7/10/20

Comments:

Data Reviewed By/Date: MKZ 7/10/2020

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0G09046 BKD1
Data File: ECD8-07092003.D

MJB 7/10/20

| First Column Area Counts | | Percent Breakdown | |
|--------------------------|------------|-------------------|-------------|
| DDE | 22939489 | | |
| DDD | 92587492 | | |
| DDT | 2311885072 | 4.76 | PASS |
| Endrin | 1329775764 | 19.39 | FAIL |
| Endrin Aldehyde | 162482859 | | |
| Endrin Ketone | 157407831 | | |

DDx Only

| Second Column Area Counts | | Percent Breakdown | |
|---------------------------|------------|-------------------|-------------|
| DDE | 19241230 | | |
| DDD | 78939357 | | |
| DDT | 2208903308 | 4.26 | PASS |
| Endrin | 1088679491 | 19.01 | FAIL |
| Endrin Aldehyde | 131131589 | | |
| Endrin Ketone | 124450931 | | |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092003.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 12:03
 Operator : MJB
 Sample : 0G09046-BKD1
 Misc : A20E203
 ALS Vial : 2 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 10:53:01 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200606RT6.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

RT Update

| Compound | R.T. | Response | Conc | Units |
|--------------------------|-------|------------|-------|-------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) 4,4'-DDE | 7.312 | 22939489 | NoCal | ng/mL |
| 2) Endrin | 7.667 | 1329775764 | NoCal | ng/mL |
| 3) 4,4'-DDD | 7.730 | 92587492 | NoCal | ng/mL |
| 4) 4,4'-DDT | 7.925 | 2311885072 | NoCal | ng/mL |
| 5) Endrin Aldehyde | 8.113 | 162482859 | NoCal | ng/mL |
| 6) Endrin Ketone | 8.605 | 157407831 | NoCal | ng/mL |
| 8) 4,4'-DDE [2C] | 8.040 | 19241230 | NoCal | ng/mL |
| 9) Endrin [2C] | 8.393 | 1088679491 | NoCal | ng/mL |
| 10) 4,4'-DDD [2C] | 8.453 | 78939357 | NoCal | ng/mL |
| 11) Endrin Aldehyde [2C] | 8.780 | 131131589 | NoCal | ng/mL |
| 12) 4,4'-DDT [2C] | 8.676 | 2208903308 | NoCal | ng/mL |
| 13) Endrin Ketone [2C] | 9.365 | 124450931 | NoCal | ng/mL |
| ----- | | | | |

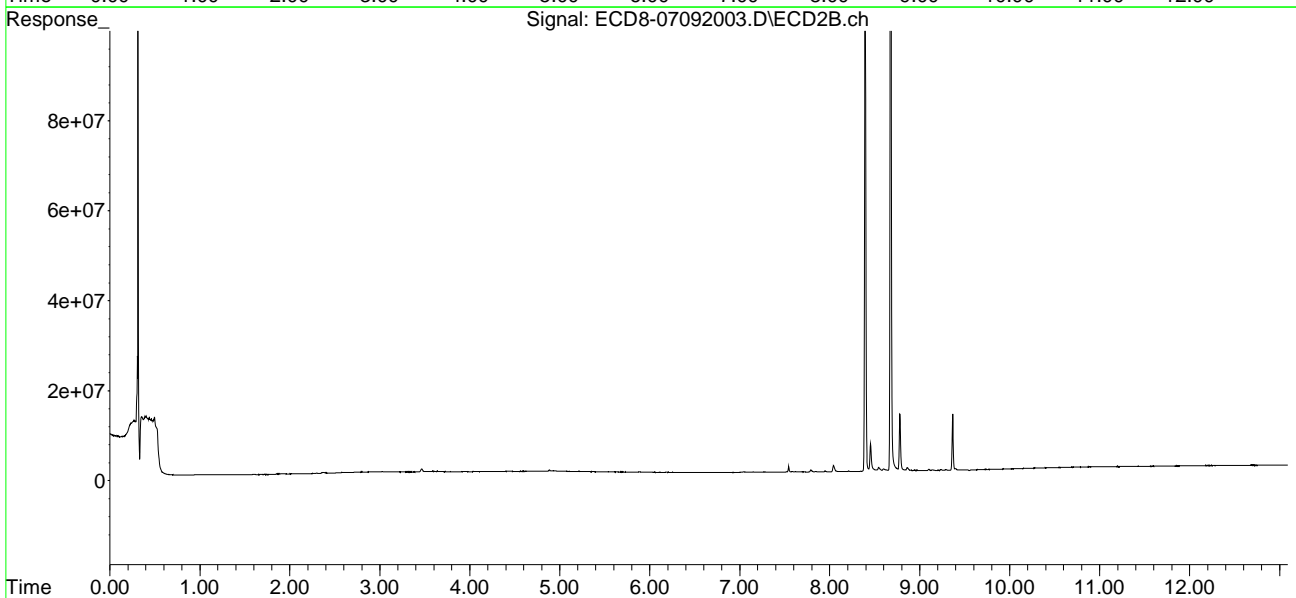
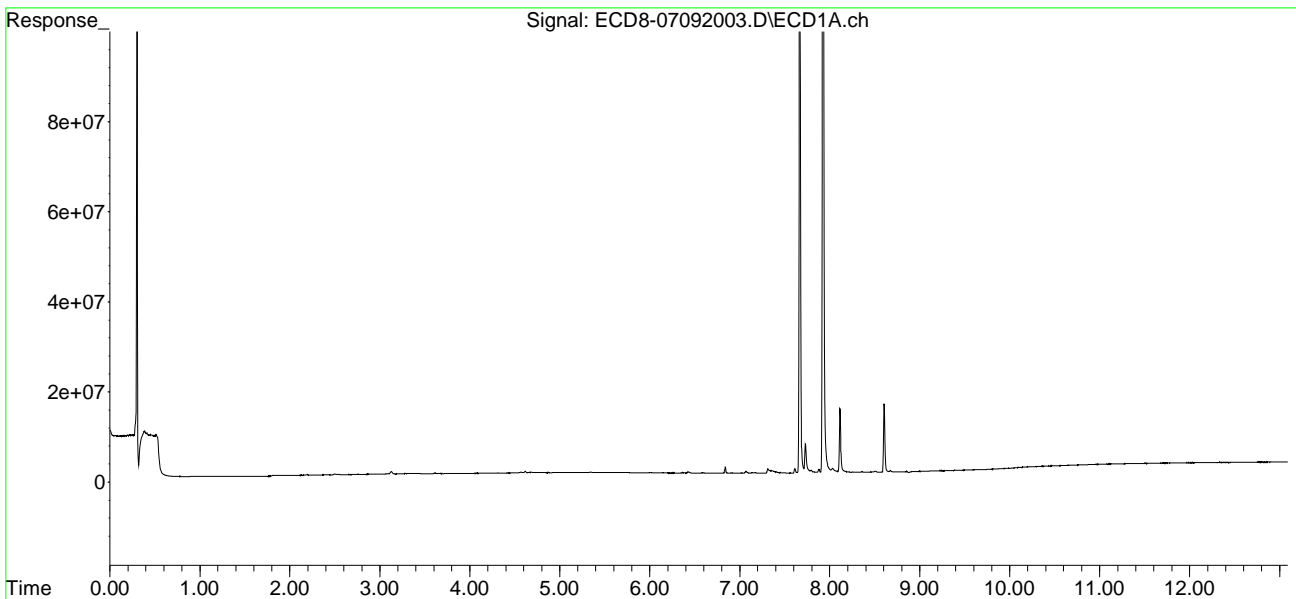
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:03
Operator : MJB
Sample : 0G09046-BKD1
Misc : A20E203
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 10:53:01 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200606RT6.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 12:26
 Operator : MJB
 Sample : 0G09046-CCV1
 Misc : A20E232, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:19:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

RT Update

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|----------|----------|----------|------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.116 | 5.677 | 182.0E6 | 158.1E6 | 49.905 | 44.536 |
| 22) S DCBP (S) | 9.321 | 10.204 | 136.1E6 | 120.2E6 | 47.538 | 50.364 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.654 | 6.283 | 248.4E6 | 216.0E6 | 50.965 | 45.324 |
| 3) g-BHC | 5.936 | 6.601 | 204.7E6 | 193.4E6 | 47.938 | 45.296 |
| 4) b-BHC | 6.014 | 6.671 | 76888590 | 73041431 | 42.643 | 39.960 |
| 5) Heptachlor | 6.345 | 6.969 | 184.8E6 | 174.0E6 | 46.752 | 41.057 |
| 6) d-BHC | 6.162 | 6.923 | 171.6E6 | 164.8E6 | 46.549 | 41.495 |
| 7) Aldrin | 6.583 | 7.231 | 210.6E6 | 194.0E6 | 48.852 | 48.386 |
| 8) Heptachlo... | 7.045 | 7.672 | 191.1E6 | 173.7E6 | 48.343 | 46.150 |
| 9) trans-Chl... | 7.141 | 7.812 | 184.1E6 | 172.3E6 | 45.762 | 45.119 |
| 10) cis-Chlor... | 7.238 | 7.919 | 184.2E6 | 169.9E6 | 48.994 | 45.594 |
| 11) Endosulfa... | 7.333 | 7.967 | 184.3E6 | 156.8E6 | 50.067 | 46.233 |
| 12) 4,4'-DDE | 7.310 | 8.037 | 182.8E6 | 171.9E6 | 49.882 | 47.982 |
| 13) Dieldrin | 7.505 | 8.167 | 199.1E6 | 185.5E6 | 49.332 | 48.105 |
| 14) Endrin | 7.668 | 8.392 | 143.7E6 | 121.5E6 | 42.596 | 41.093 |
| 15) 4,4'-DDD | 7.730 | 8.452 | 134.2E6 | 129.6E6 | 47.032 | 45.313 |
| 16) Endosulfa... | 7.824 | 8.542 | 153.4E6 | 142.6E6 | 50.419 | 47.154 |
| 17) 4,4'-DDT | 7.926 | 8.676 | 113.7E6 | 117.9E6 | 46.354 | 43.447 |
| 18) Endrin Al... | 8.114 | 8.780 | 145.1E6 | 137.0E6 | 51.930 | 47.357 |
| 19) Endosulfa... | 8.415 | 8.971 | 145.5E6 | 124.2E6 | 49.275 | 41.872 |
| 20) Methoxychlor | 8.272 | 9.162 | 55202193 | 60166771 | 48.481 | 46.264 |
| 21) Endrin Ke... | 8.607 | 9.366 | 186.8E6 | 165.8E6 | 52.370 | 49.364 |
| 23) Hexachlor... | 2.877 | 3.399f | 16660 | 18021 | BelowCal | BelowCal |
| 24) Hexachlor... | 5.496 | 0.000 | 490348 | 0 | BelowCal | N.D. |
| 25) Oxychlorane | 6.983 | 7.612 | 830171 | 22787 | 0.068 | BelowCal # |
| 26) 2,4'-DDE | 7.045 | 7.812 | 191.1E6 | 172.3E6 | 79.827 | 74.282 |
| 27) trans-Non... | 7.238 | 7.869 | 184.2E6 | 1007751 | 52.316 | 0.053 # |
| 28) 2,4'-DDD | 7.423 | 8.205 | 952208 | 798272 | 0.310 | 0.384 |
| 29) 2,4'-DDT | 7.610 | 8.392 | 932062 | 121.5E6 | 0.339 | 59.051 # |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 12:26
 Operator : MJB
 Sample : 0G09046-CCV1
 Misc : A20E232, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:19:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

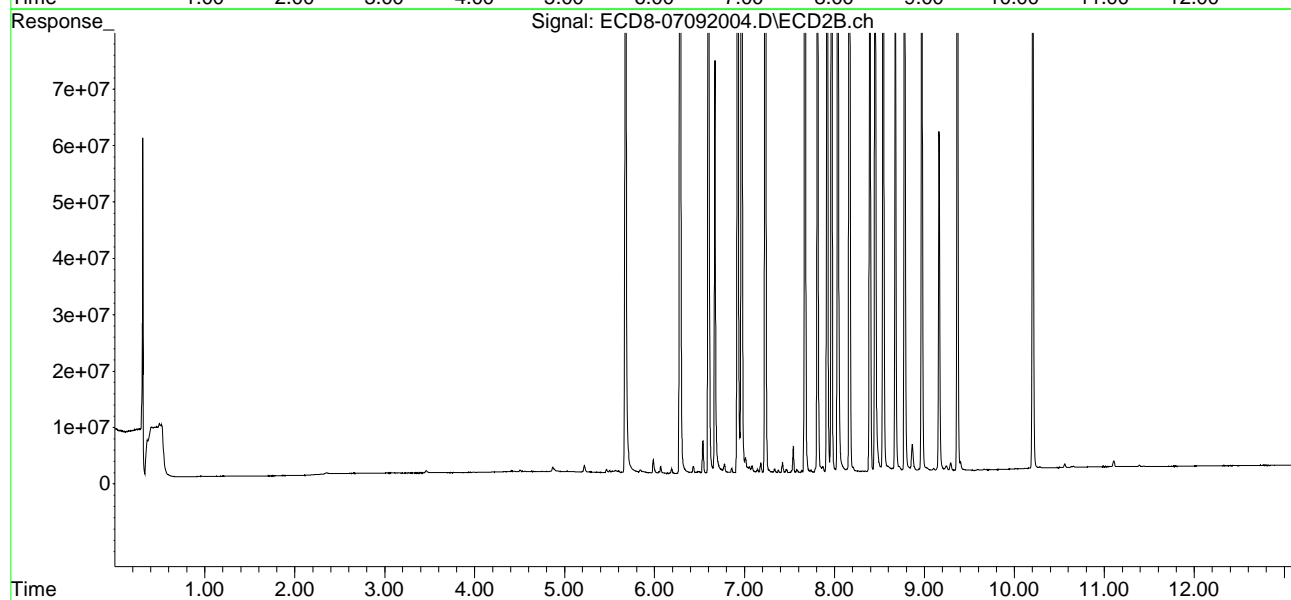
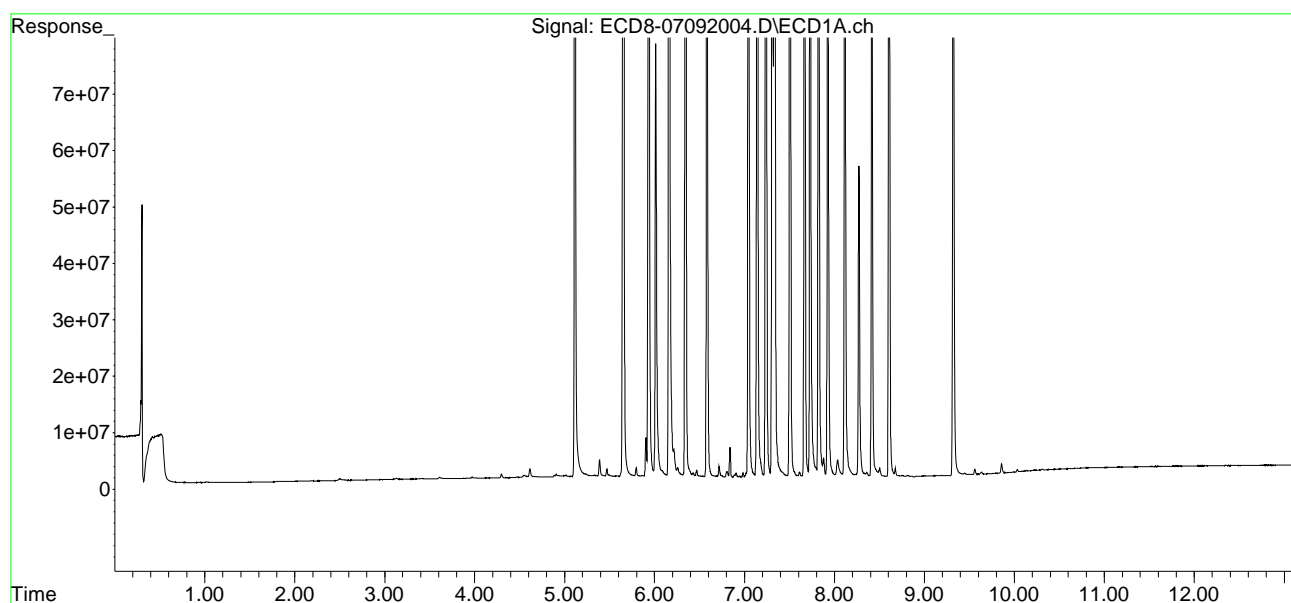
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|--------|---------|---------|----------|------------|
| 30) | cis-Nonac... | 7.730f | 8.452 | 134.2E6 | 129.6E6 | 32.635 | 32.421 |
| 31) | Mirex | 8.359 | 9.366 | 830859 | 165.8E6 | 0.018 | 71.708 # |
| 32) | Chlordane... | 7.238f | 7.869f | 184.2E6 | 1007751 | 445.906 | 2.327 # |
| 33) | Chlordane... | 7.310 | 7.967f | 182.8E6 | 156.8E6 | 355.342 | 429.852 |
| 34) | Chlordane... | 7.824f | 8.645 | 153.4E6 | 580515 | 1186.694 | 4.867 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.310f | 8.205f | 182.8E6 | 798272 | 9585.013 | 24.327 # |
| 37) | Toxaphene... | 7.610f | 8.595 | 932062 | 969950 | 25.946 | 22.777 |
| 38) | Toxaphene... | 7.877 | 8.595 | 3499325 | 969950 | 48.236 | 15.351 # |
| 39) | Toxaphene... | 8.114 | 8.676 | 145.1E6 | 117.9E6 | 2073.054 | 1113.079 # |
| 40) | Toxaphene... | 8.359 | 8.865 | 830859 | 4780513 | 15.952 | 81.418 # |
| 41) | Toxaphene... | 8.415 | 9.241 | 145.5E6 | 929511 | 1971.974 | 14.468 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:26
Operator : MJB
Sample : 0G09046-CCV1
Misc : A20E232, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:19:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 12:42
 Operator : MJB
 Sample : 0G09046-CCV2
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:19:44 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|----------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.091f | 5.681 | 2140159 | 59879 | 0.587 | 0.017 # |
| 22) S DCBP (S) | 9.320 | 10.204 | 58483 | 171781 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 5.906f | 6.594 | 682737 | 57154 | 0.160 | 0.013 # |
| 4) b-BHC | 6.018 | 6.679 | 137065 | 41081 | 0.076 | 0.022 # |
| 5) Heptachlor | 6.344 | 6.971 | 460400 | 410652 | 0.116 | 0.097 |
| 6) d-BHC | 6.141f | 6.937 | 257847 | 107443 | 0.109 | 0.064 # |
| 7) Aldrin | 6.603f | 7.233 | 34271 | 91331 | 0.008 | 0.023 # |
| 8) Heptachlo... | 7.058 | 0.000 | 99361931 | 0 | 25.142 | N.D. # |
| 9) trans-Chl... | 7.140 | 7.814 | 2900977 | 95196630 | 0.721 | 24.933 # |
| 10) cis-Chlor... | 7.230 | 7.920 | 165.8E6 | 6225675 | 44.216 | 1.671 # |
| 11) Endosulfa... | 7.338 | 7.986 | 2101749 | 682416 | 0.571 | 0.201 # |
| 12) 4,4'-DDE | 7.319 | 8.030 | 892056 | 234000 | 0.243 | 0.077 # |
| 13) Dieldrin | 7.474f | 8.188f | 5783598 | 83930072 | 1.433 | 21.769 # |
| 14) Endrin | 7.699f | 8.408 | 183.0E6 | 89460577 | 54.233 | 30.260 # |
| 15) 4,4'-DDD | 7.699f | 8.441 | 183.0E6 | 175.0E6 | 64.142 | 59.624 |
| 16) Endosulfa... | 7.849f | 0.000 | 236127 | 0 | 0.078 | N.D. # |
| 17) 4,4'-DDT | 7.926 | 8.678 | 145950 | 121367 | 0.073 | 0.011 # |
| 18) Endrin Al... | 8.123 | 8.785 | 377318 | 149703 | BelowCal | 0.052 |
| 19) Endosulfa... | 0.000 | 8.972 | 0 | 45156 | N.D. | 0.015 # |
| 20) Methoxychlor | 0.000 | 9.164 | 0 | 33269 | N.D. | BelowCal |
| 21) Endrin Ke... | 8.613 | 9.350 | 477811 | 102.2E6 | 0.134 | 30.413 # |
| 23) Hexachlor... | 2.883 | 3.375 | 170.0E6 | 187.9E6 | 44.933 | 42.861 |
| 24) Hexachlor... | 5.496 | 6.146 | 156.3E6 | 123.4E6 | 49.542 | 40.887 |
| 25) Oxychlorane | 6.973 | 7.601 | 151.5E6 | 136.0E6 | 47.065 | 44.808 |
| 26) 2,4'-DDE | 7.058 | 7.814 | 99361931 | 95196630 | 41.516 | 42.683 |
| 27) trans-Non... | 7.230 | 7.877 | 165.8E6 | 154.3E6 | 47.160 | 45.670 |
| 28) 2,4'-DDD | 7.430 | 8.188 | 83462935 | 83930072 | 43.174 | 40.383 |
| 29) 2,4'-DDT | 7.611 | 8.408 | 82983599 | 89460577 | 43.575 | 44.567 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 12:42
 Operator : MJB
 Sample : 0G09046-CCV2
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:19:44 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

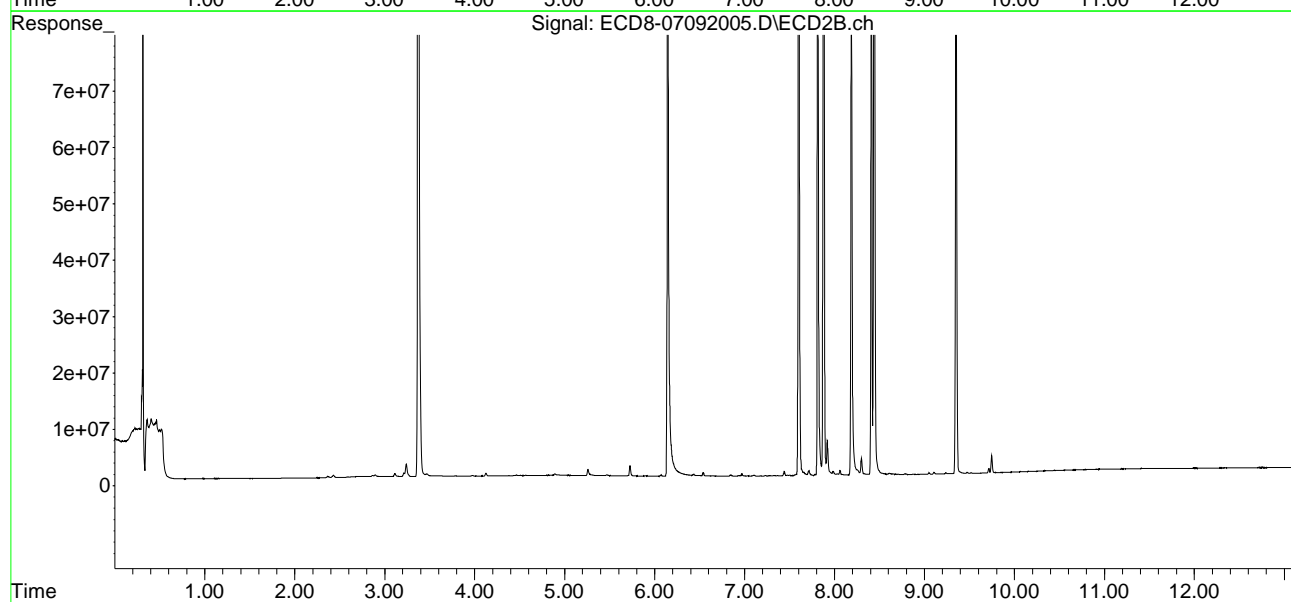
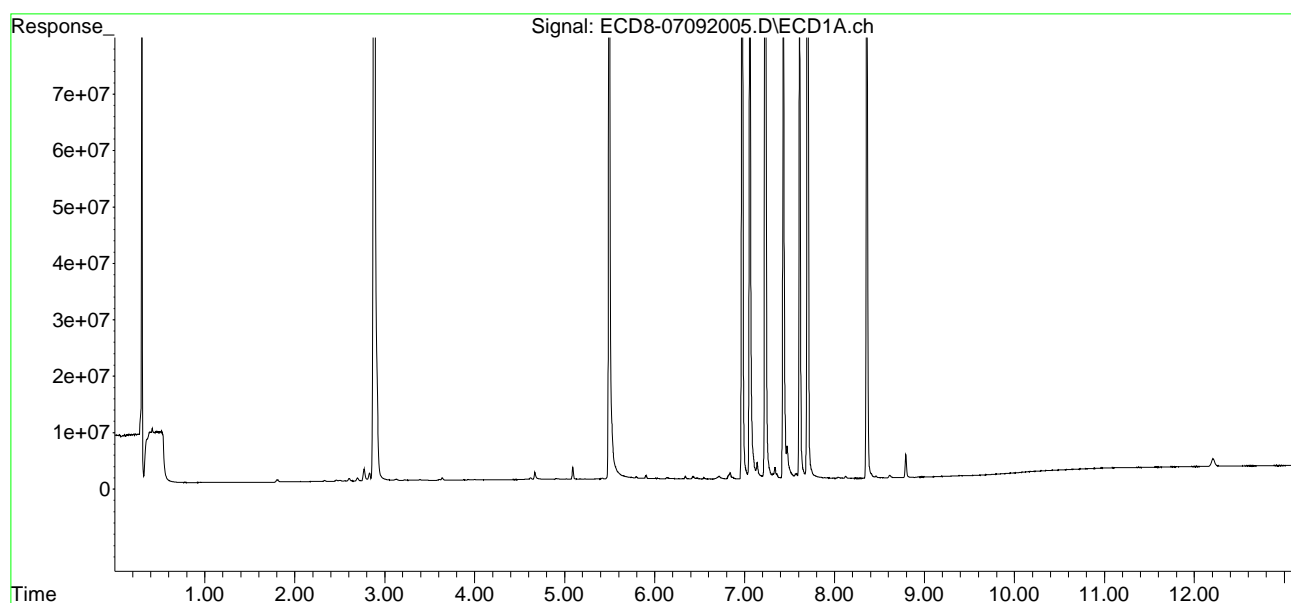
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|--------|---------|---------|----------|----------|
| 30) | cis-Nonac... | 7.699 | 8.441 | 183.0E6 | 175.0E6 | 44.508 | 43.792 |
| 31) | Mirex | 8.359 | 9.350 | 118.6E6 | 102.2E6 | 48.155 | 44.594 |
| 32) | Chlordane... | 7.230f | 7.877 | 165.8E6 | 154.3E6 | 401.288 | 356.157 |
| 33) | Chlordane... | 7.319 | 7.986 | 892056 | 682416 | 1.734 | 1.870 |
| 34) | Chlordane... | 7.849 | 8.650 | 236127 | 152855 | 1.827 | 1.282 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.319f | 8.252f | 892056 | 927776 | 52.365 | 28.274 # |
| 37) | Toxaphene... | 7.577 | 8.610f | 939665 | 239489 | 26.188 | 5.624 # |
| 38) | Toxaphene... | 7.888 | 8.610 | 182944 | 239489 | 2.522 | 3.790 # |
| 39) | Toxaphene... | 8.123 | 8.678 | 377318 | 121367 | BelowCal | BelowCal |
| 40) | Toxaphene... | 8.359 | 8.874 | 118.6E6 | 61677 | 2277.526 | 1.050 # |
| 41) | Toxaphene... | 8.460f | 9.236 | 345529 | 226582 | 4.682 | 3.527 |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:42
Operator : MJB
Sample : 0G09046-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:19:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 12:59
 Operator : MJB
 Sample : 0G09046-CCB1
 Misc : A20F379
 ALS Vial : 7 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:20:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.116 | 5.681 | 329.1E6 | 288.0E6 | 90.221 | 81.123 |
| 22) S DCBP (S) | 9.317 | 10.201 | 256.7E6 | 220.0E6 | 89.064 | 89.361 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 5.953 | 6.588 | 10694 | 5174 | 0.003 | 0.001 # |
| 4) b-BHC | 6.005 | 6.679 | 80861 | 14239 | 0.045 | 0.008 # |
| 5) Heptachlor | 0.000 | 6.934f | 0 | 29978 | N.D. | 0.007 # |
| 6) d-BHC | 6.140f | 6.929 | 24548 | 28836 | 0.040 | 0.043 |
| 7) Aldrin | 6.600 | 7.235 | 64908 | 18442 | 0.015 | 0.005 # |
| 8) Heptachlo... | 0.000 | 7.672 | 0 | 35016 | N.D. | 0.009 # |
| 9) trans-Chl... | 7.139 | 7.814 | 97749 | 26107 | 0.024 | 0.007 # |
| 10) cis-Chlor... | 7.237 | 7.921 | 25705 | 17898 | BelowCal | 0.005 |
| 11) Endosulfa... | 7.295f | 7.968 | 21527 | 20082 | 0.006 | 0.006 |
| 12) 4,4'-DDE | 7.295 | 8.041 | 21527 | 20272 | 0.006 | 0.012 # |
| 13) Dieldrin | 7.474f | 8.170 | 12179 | 14387 | 0.003 | 0.004 |
| 14) Endrin | 7.661 | 8.387 | 17364 | 22254 | 0.005 | 0.008 # |
| 15) 4,4'-DDD | 7.742 | 8.458 | 49855 | 20630 | 0.017 | BelowCal # |
| 16) Endosulfa... | 7.826 | 8.543 | 47167 | 28906 | 0.016 | 0.010 # |
| 17) 4,4'-DDT | 7.926 | 8.667 | 33272 | 32159 | 0.024 | BelowCal # |
| 18) Endrin Al... | 8.115 | 8.783 | 131376 | 98921 | BelowCal | 0.034 |
| 19) Endosulfa... | 8.415 | 8.970 | 65463 | 69004 | 0.022 | 0.023 |
| 20) Methoxychlor | 8.262 | 9.154 | 132815 | 66066 | BelowCal | BelowCal |
| 21) Endrin Ke... | 8.613 | 9.368 | 366510 | 131433 | 0.103 | 0.039 # |
| 23) Hexachlor... | 0.000 | 3.395f | 0 | 17245 | N.D. | BelowCal |
| 24) Hexachlor... | 5.497 | 6.148 | 567896 | 68044 | BelowCal | BelowCal |
| 25) Oxychlorane | 0.000 | 7.599 | 0 | 44512 | N.D. | BelowCal |
| 26) 2,4'-DDE | 0.000 | 7.814 | 0 | 26107 | N.D. | BelowCal |
| 27) trans-Non... | 7.233 | 7.847f | 31475 | 1001593 | BelowCal | 0.051 |
| 28) 2,4'-DDD | 0.000 | 8.191 | 0 | 11649 | N.D. | 0.006 # |
| 29) 2,4'-DDT | 7.590f | 8.408 | 56488 | 56961 | BelowCal | BelowCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 12:59
 Operator : MJB
 Sample : 0G09046-CCB1
 Misc : A20F379
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:20:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

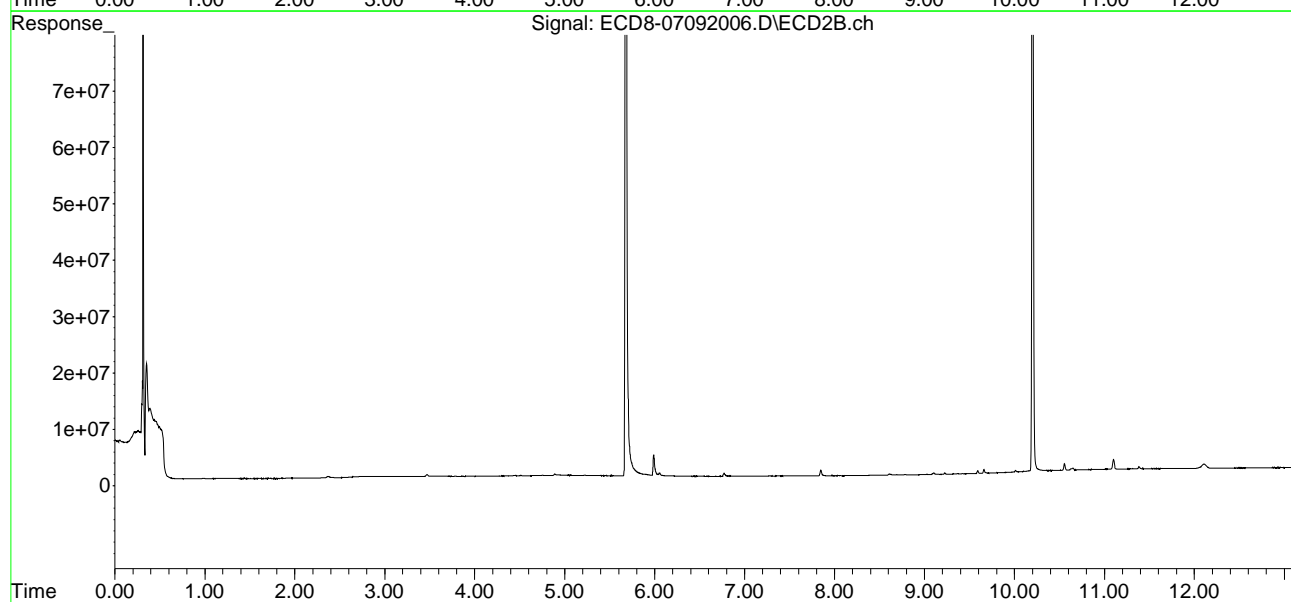
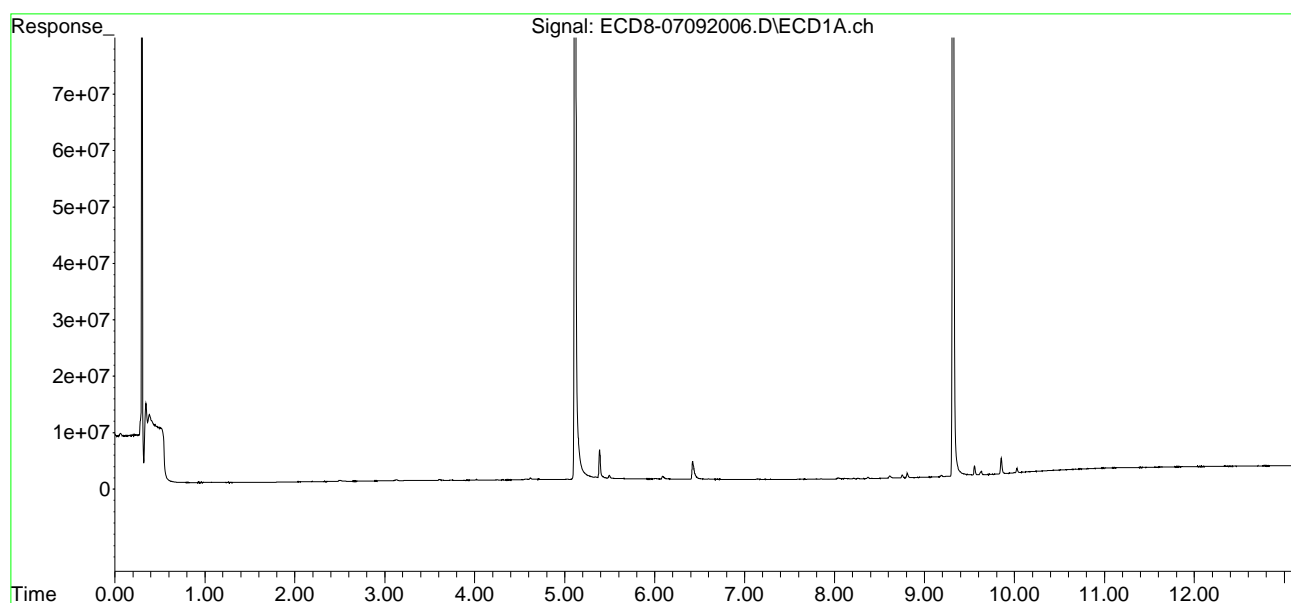
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|--------|--------|--------|------------|----------|
| 30) | cis-Nonac... | 7.700 | 8.458 | 24123 | 20630 | 0.006 | 0.005 |
| 31) | Mirex | 8.370 | 9.347 | 273841 | 72486 | BelowCal | BelowCal |
| 32) | Chlordane... | 7.233f | 7.921f | 31475 | 17898 | 0.076 | 0.041 # |
| 33) | Chlordane... | 7.295 | 7.991 | 21527 | 17836 | 0.042 | 0.049 |
| 34) | Chlordane... | 7.850 | 8.667 | 85958 | 32159 | 0.665 | 0.270 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.292 | 8.222 | 25215 | 11651 | BelowCal | 0.355 |
| 37) | Toxaphene... | 7.590 | 8.560 | 56488 | 27464 | 175390.348 | 0.645 # |
| 38) | Toxaphene... | 7.883 | 8.610 | 26748 | 193650 | 0.369 | 3.065 # |
| 39) | Toxaphene... | 8.115 | 8.667 | 131376 | 32159 | BelowCal | BelowCal |
| 40) | Toxaphene... | 8.370 | 8.864 | 273841 | 32543 | 5.258 | 0.554 # |
| 41) | Toxaphene... | 8.415 | 9.225 | 65463 | 259378 | 0.887 | 4.037 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:59
Operator : MJB
Sample : 0G09046-CCB1
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 13:15
 Operator : MJB
 Sample : 0070206-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:20:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.115 | 5.680 | 132.4E6 | 122.9E6 | 36.301 | 34.618 |
| 22) S DCBP (S) | 9.315 | 10.199 | 148.0E6 | 123.4E6 | 51.654 | 51.668 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.658 | 6.311f | 1220365 | 2678050 | 0.250 | 0.562 # |
| 3) g-BHC | 5.937 | 6.589 | 335145 | 2886606 | 0.078 | 0.676 # |
| 4) b-BHC | 6.008 | 6.668 | 651012 | 2812506 | 0.361 | 1.539 # |
| 5) Heptachlor | 6.333 | 6.975 | 759429 | 3086523 | 0.192 | 0.728 # |
| 6) d-BHC | 6.148 | 6.904 | 254501 | 3346153 | 0.108 | 0.936 # |
| 7) Aldrin | 6.587 | 7.226 | 395098 | 3134338 | 0.092 | 0.782 # |
| 8) Heptachlo... | 7.032 | 7.659 | 318418 | 3560078 | 0.081 | 0.946 # |
| 9) trans-Chl... | 7.135 | 7.814 | 165671 | 3496904 | 0.041 | 0.916 # |
| 10) cis-Chlor... | 7.219 | 7.910 | 434875 | 3430603 | BelowCal | 0.921 |
| 11) Endosulfa... | 7.341 | 7.957 | 775471 | 4071934 | 0.211 | 1.200 # |
| 12) 4,4'-DDE | 7.287f | 8.048 | 630835 | 959088 | 0.172 | 0.296m# |
| 13) Dieldrin | 7.543f | 8.174 | 403338 | 3745199 | 0.100 | 0.971 # |
| 14) Endrin | 7.656 | 8.403 | 87964 | 3560264 | 0.026 | 1.204 # |
| 15) 4,4'-DDD | 7.736 | 8.449 | 124798 | 163993 | 0.044 | 0.040m |
| 16) Endosulfa... | 7.807 | 8.553 | 992014 | 3738848 | 0.326 | 1.236 # |
| 17) 4,4'-DDT | 7.935 | 8.679 | 528129 | 515234 | 0.241 | 0.169m# |
| 18) Endrin Al... | 8.104 | 8.772 | 418639 | 4042926 | BelowCal | 1.397 |
| 19) Endosulfa... | 8.415 | 8.956 | 84300 | 4050089 | 0.029 | 1.366 # |
| 20) Methoxychlor | 8.264 | 9.158 | 2645695 | 6606555 | 2.366 | 5.301 # |
| 21) Endrin Ke... | 8.603 | 9.359 | 29281458 | 5637180 | 8.210 | 1.678 # |
| 23) Hexachlor... | 2.881 | 3.351f | 743693 | 11310110 | 0.008 | 2.456 # |
| 24) Hexachlor... | 5.497 | 6.151 | 616073 | 2733384 | 0.011 | 0.773 # |
| 25) Oxychlorane | 6.936f | 7.608 | 246266 | 3291535 | BelowCal | 0.910 |
| 26) 2,4'-DDE | 7.032f | 7.814 | 318418 | 413280 | 0.133 | BelowCalm# |
| 27) trans-Non... | 7.219 | 7.910f | 434875 | 3430603 | BelowCal | 0.798 |
| 28) 2,4'-DDD | 7.448 | 8.173 | 229541 | 470533 | BelowCal | 0.226m |
| 29) 2,4'-DDT | 7.605 | 8.378f | 181177 | 237983 | BelowCal | BelowCalm |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 13:15
 Operator : MJB
 Sample : 0070206-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:20:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

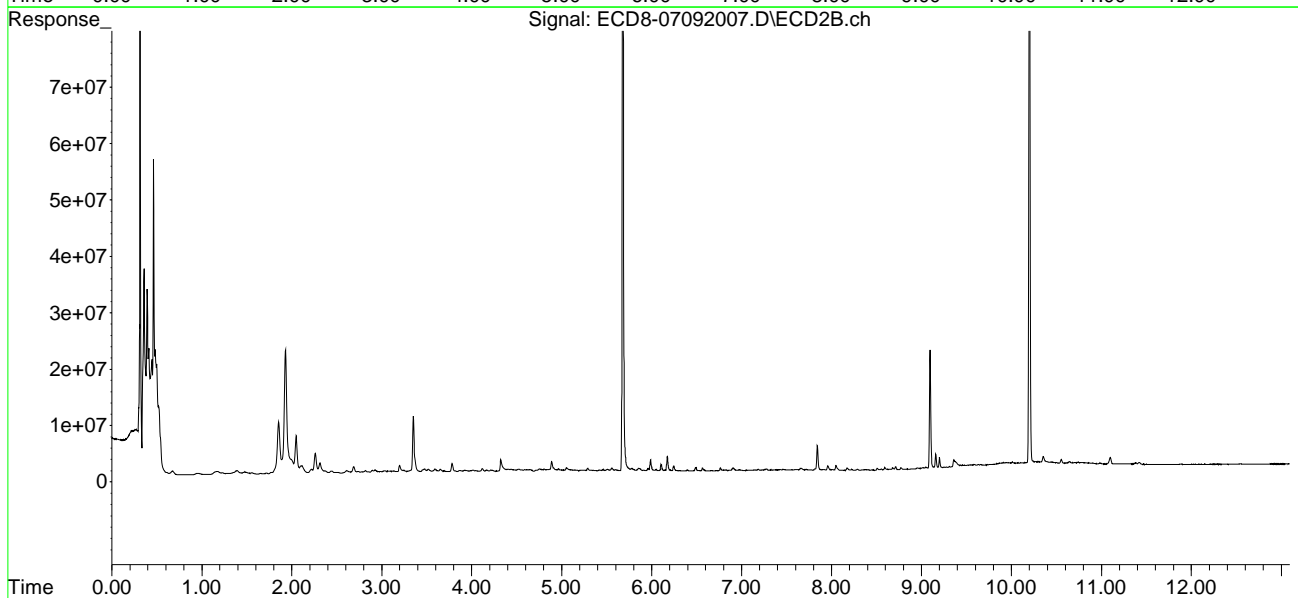
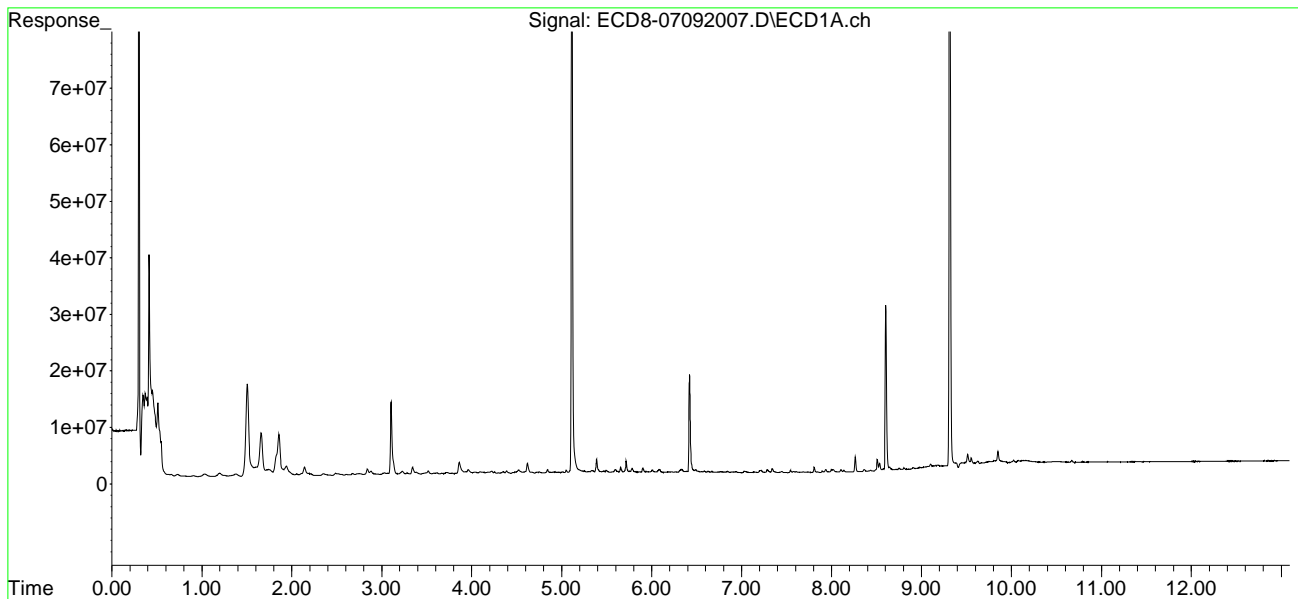
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|-------|--------|--------|---------|----------|-----------|
| 30) | cis-Nonac... | 7.682 | 8.450 | 144438 | 3537214 | 0.035 | 0.885 # |
| 31) | Mirex | 8.363 | 9.359 | 376409 | 5637180 | BelowCal | 2.237 |
| 32) | Chlordane... | 7.204 | 7.910f | 398348 | 3430603 | 0.964 | 7.920 # |
| 33) | Chlordane... | 7.287 | 8.008 | 630835 | 3437185 | 1.226 | 9.421 # |
| 34) | Chlordane... | 7.843 | 8.654 | 113376 | 3741842 | 0.877 | 31.372 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.287 | 8.224 | 630835 | 3543726 | 35.815 | 107.995 # |
| 37) | Toxaphene... | 7.577 | 8.591 | 200328 | 4000042 | 2.659 | 93.931 # |
| 38) | Toxaphene... | 7.896 | 8.591 | 261499 | 4000042 | 3.605 | 63.305 # |
| 39) | Toxaphene... | 8.133 | 8.680 | 321880 | 4005205 | BelowCal | 25.899 |
| 40) | Toxaphene... | 8.363 | 8.839 | 376409 | 3812536 | 7.227 | 64.932 # |
| 41) | Toxaphene... | 8.415 | 9.250 | 84300 | 4290866 | 1.142 | 66.788 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

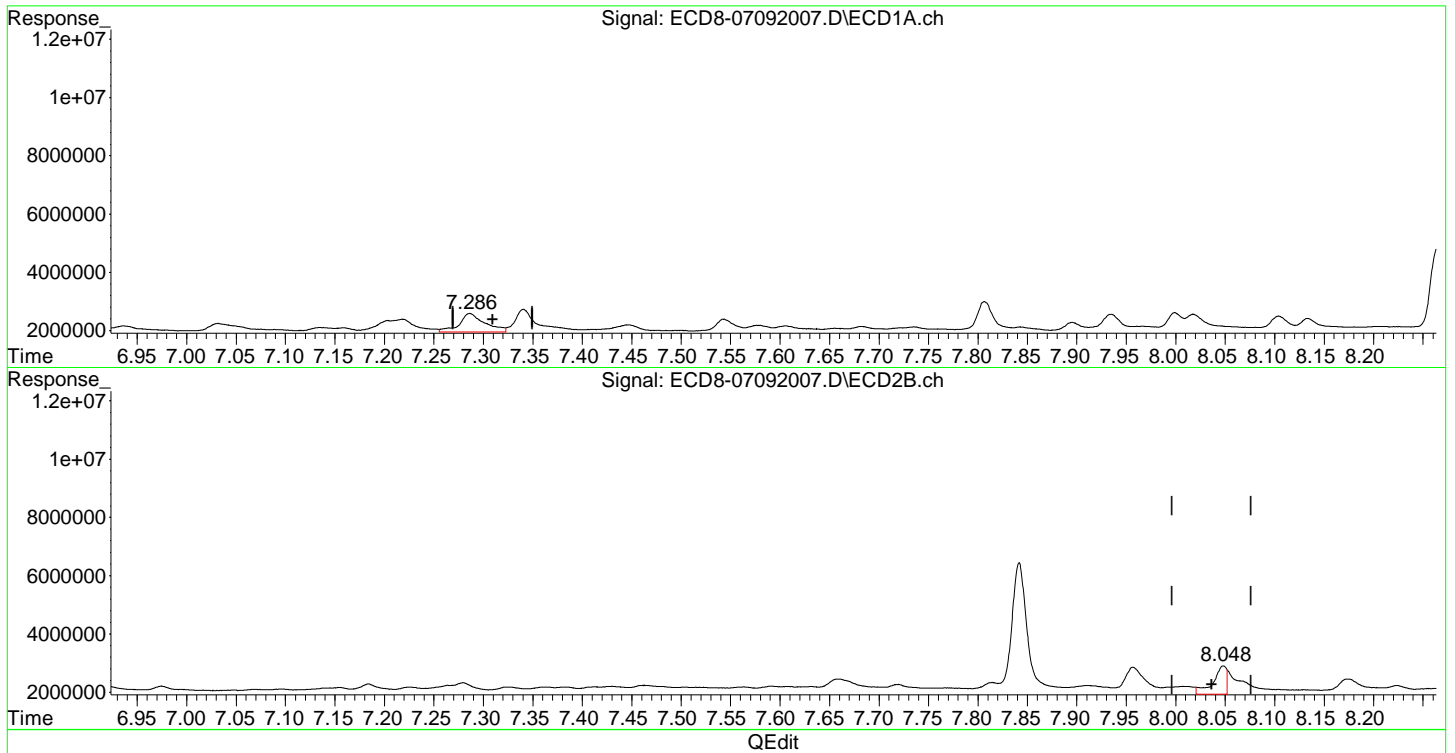
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.287min 0.172 ng/mL
response 630835

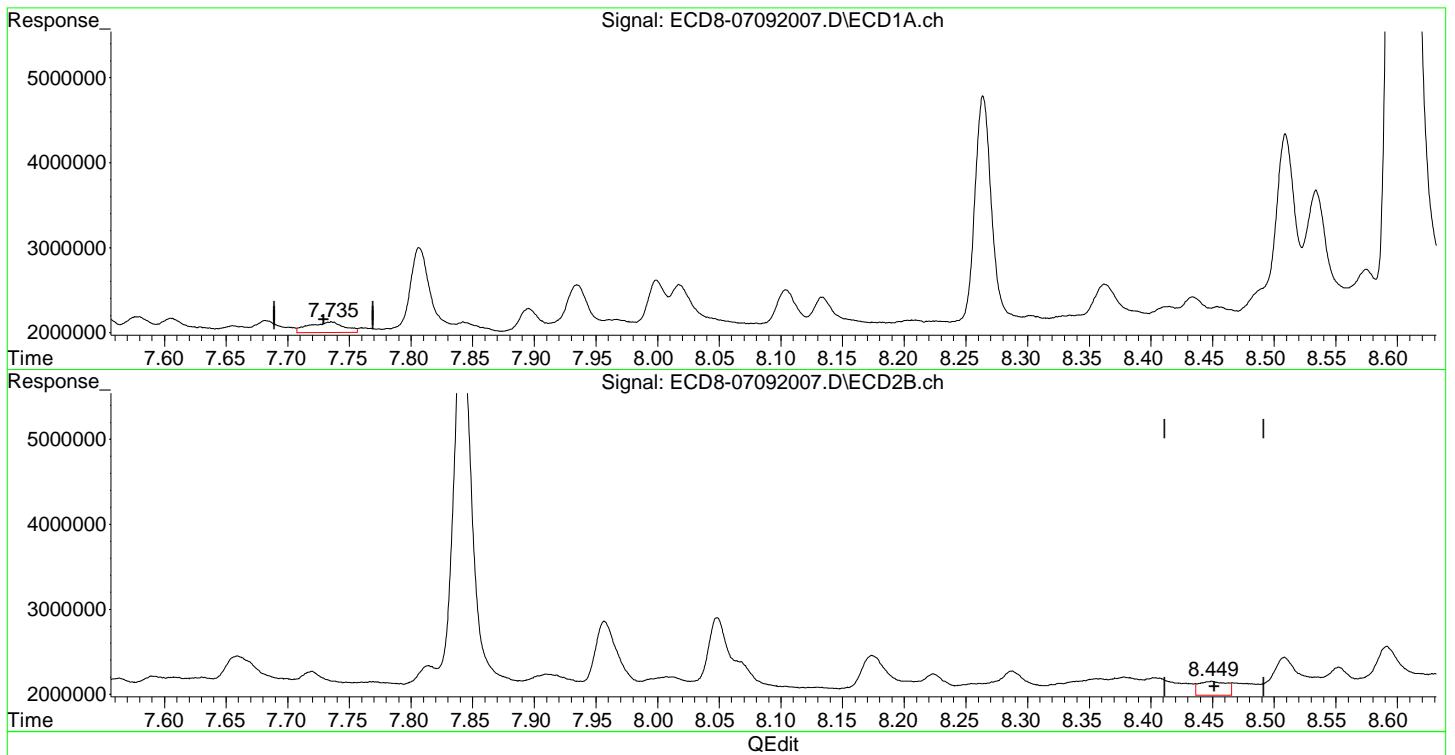
MJB 7/10/20

(12) 4,4'-DDE #2
8.048min 0.296 ng/mL m
response 959088

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.736min 0.044 ng/mL
response 124798

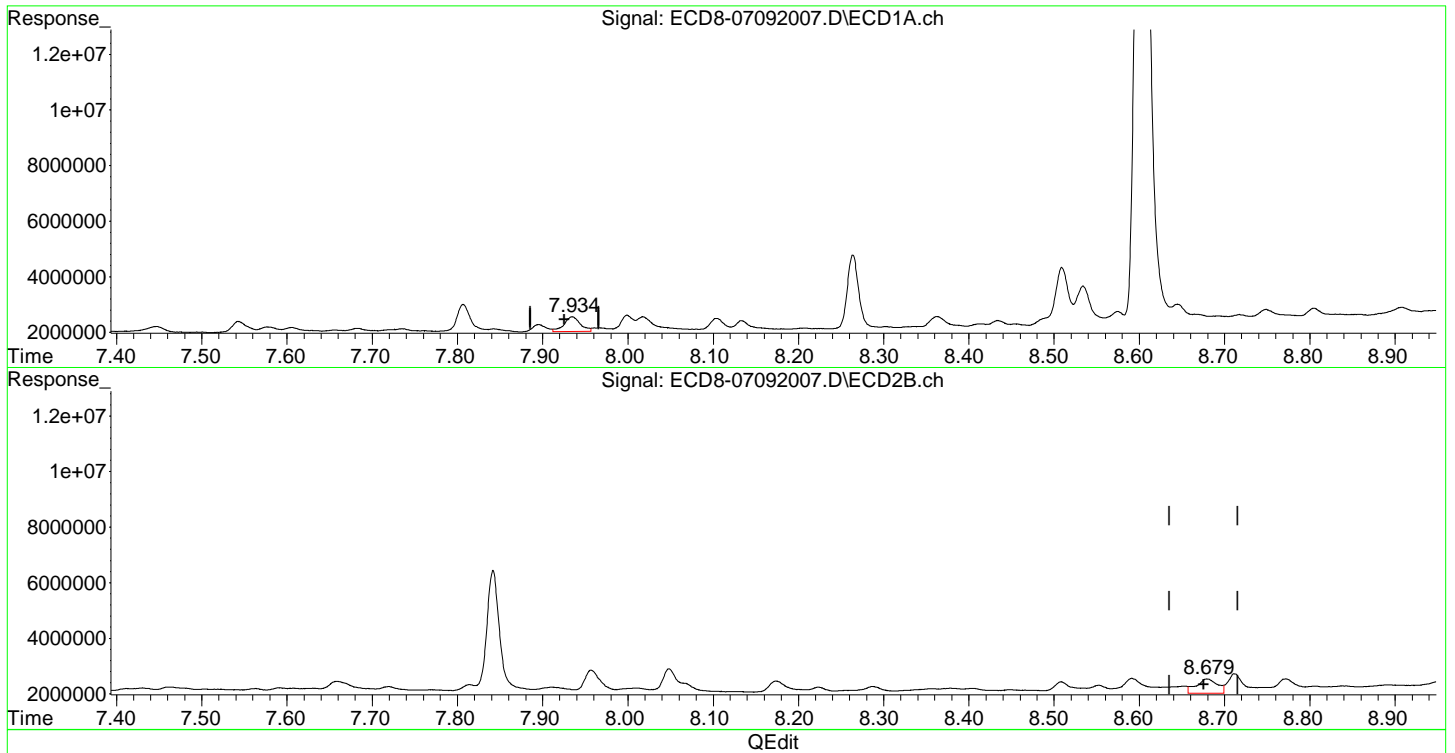
MJB 7/10/20

(15) 4,4'-DDD #2
8.449min 0.040 ng/mL m
response 163993

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.935min 0.241 ng/mL
response 528129

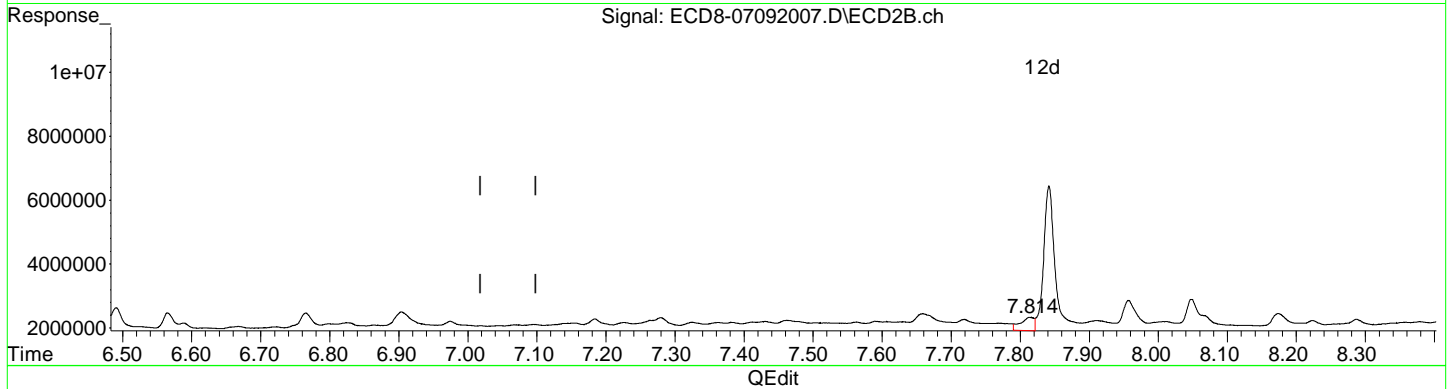
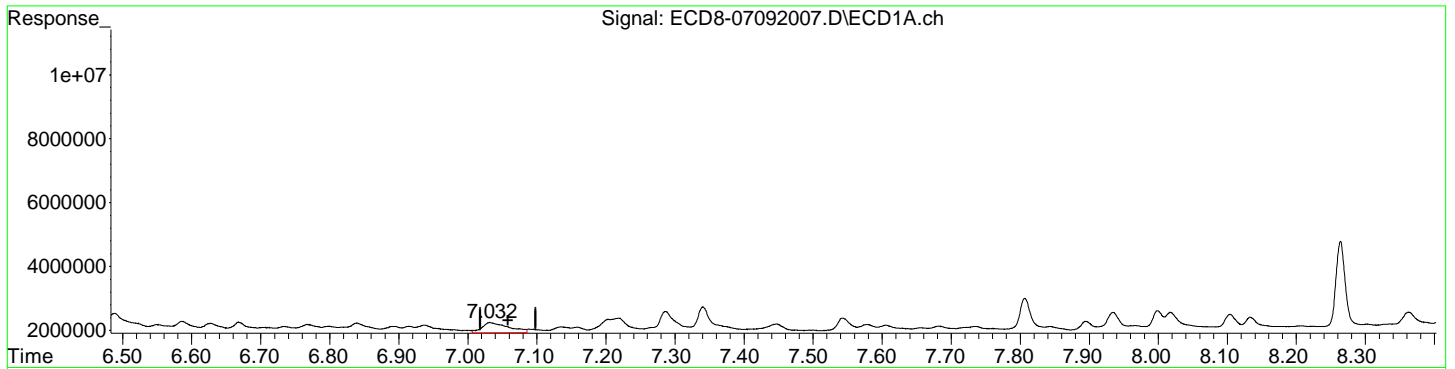
MJB 7/10/20

(17) 4,4'-DDT #2
8.679min 0.169 ng/mL m
response 515234

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.032min 0.133 ng/mL
response 318418

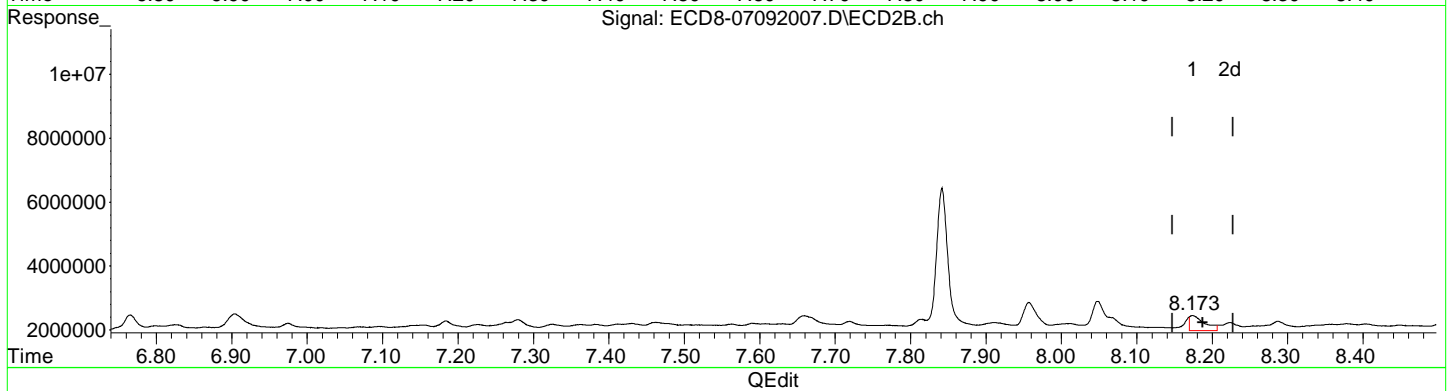
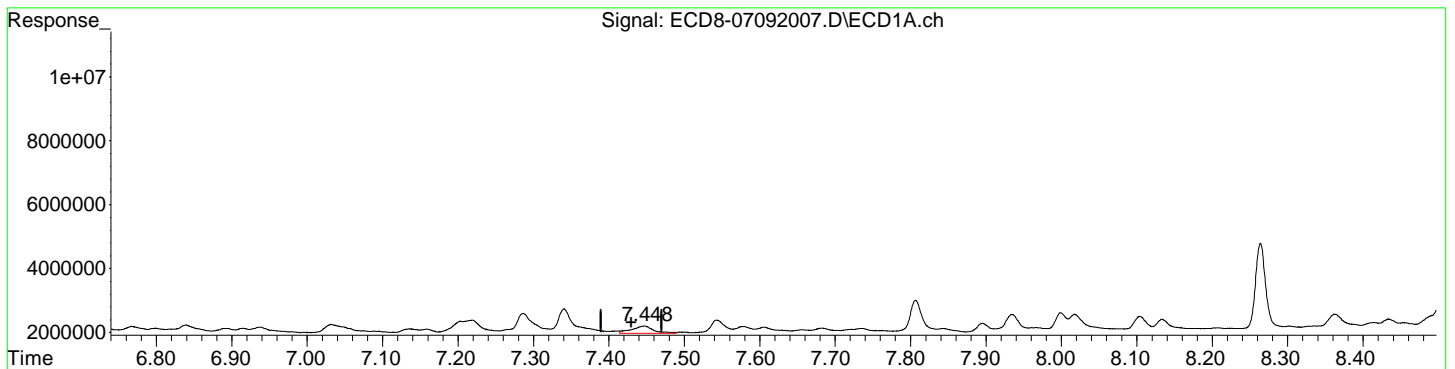
MJB 7/10/20

(26) 2,4'-DDE #2
7.814min -0.055 ng/mL m
response 413280

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.448min -0.078 ng/mL
response 229541

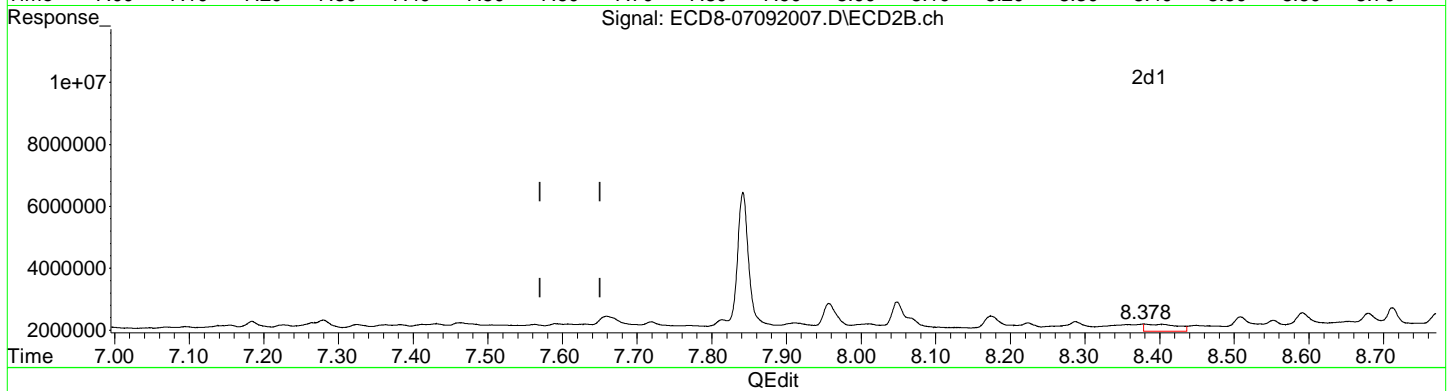
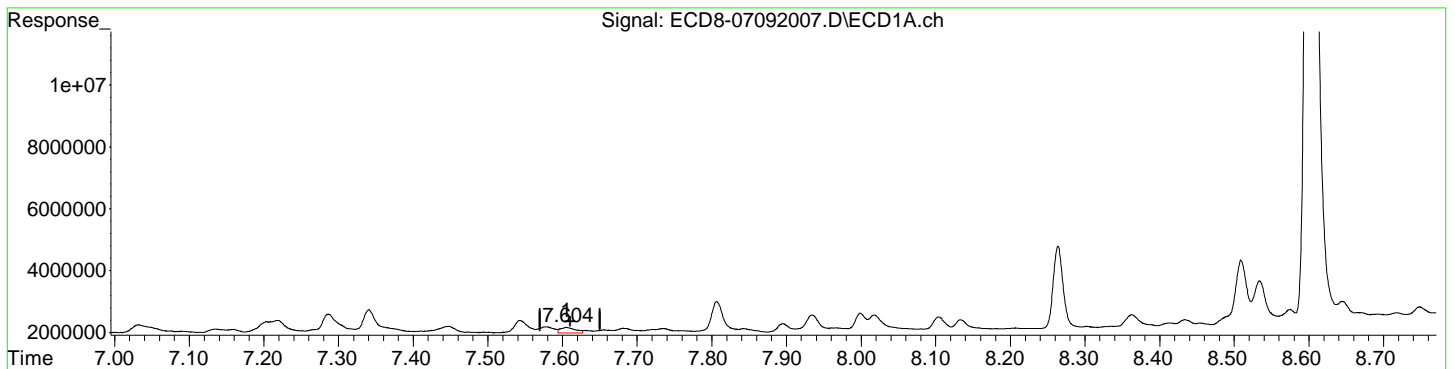
MJB 7/10/20

(28) 2,4'-DDD #2
8.173min 0.226 ng/mL m
response 470533

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.605min -0.076 ng/mL
response 181177

MJB 7/10/20

(29) 2,4'-DDT #2
8.378min -0.042 ng/mL m
response 237983

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 13:15
 Operator : MJB
 Sample : 0070206-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

MI

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:20:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|---------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.115 | 5.680 | 132.4E6 | 122.9E6 | 36.301 | 34.618 |
| 22) S DCBP (S) | 9.315 | 10.199 | 148.0E6 | 123.4E6 | 51.654 | 51.668 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.658 | 6.311f | 1220365 | 2678050 | 0.250 | 0.562 # |
| 3) g-BHC | 5.937 | 6.589 | 335145 | 2886606 | 0.078 | 0.676 # |
| 4) b-BHC | 6.008 | 6.668 | 651012 | 2812506 | 0.361 | 1.539 # |
| 5) Heptachlor | 6.333 | 6.975 | 759429 | 3086523 | 0.192 | 0.728 # |
| 6) d-BHC | 6.148 | 6.904 | 254501 | 3346153 | 0.108 | 0.936 # |
| 7) Aldrin | 6.587 | 7.226 | 395098 | 3134338 | 0.092 | 0.782 # |
| 8) Heptachlo... | 7.032 | 7.659 | 318418 | 3560078 | 0.081 | 0.946 # |
| 9) trans-Chl... | 7.135 | 7.814 | 165671 | 3496904 | 0.041 | 0.916 # |
| 10) cis-Chlor... | 7.219 | 7.910 | 434875 | 3430603 | BelowCal | 0.921 |
| 11) Endosulfa... | 7.341 | 7.957 | 775471 | 4071934 | 0.211 | 1.200 # |
| 12) 4,4'-DDE | 7.287f | 8.048 | 630835 | 4145810 | 0.172 | 1.258 # |
| 13) Dieldrin | 7.543f | 8.174 | 403338 | 3745199 | 0.100 | 0.971 # |
| 14) Endrin | 7.656 | 8.403 | 87964 | 3560264 | 0.026 | 1.204 # |
| 15) 4,4'-DDD | 7.736 | 8.450 | 124798 | 3537214 | 0.044 | 1.325 # |
| 16) Endosulfa... | 7.807 | 8.553 | 992014 | 3738848 | 0.326 | 1.236 # |
| 17) 4,4'-DDT | 7.935 | 8.680 | 528129 | 4005205 | 0.241 | 1.571 # |
| 18) Endrin Al... | 8.104 | 8.772 | 418639 | 4042926 | BelowCal | 1.397 |
| 19) Endosulfa... | 8.415 | 8.956 | 84300 | 4050089 | 0.029 | 1.366 # |
| 20) Methoxychlor | 8.264 | 9.158 | 2645695 | 6606555 | 2.366 | 5.301 # |
| 21) Endrin Ke... | 8.603 | 9.359 | 29281458 | 5637180 | 8.210 | 1.678 # |
| 23) Hexachlor... | 2.881 | 3.351f | 743693 | 11310110 | 0.008 | 2.456 # |
| 24) Hexachlor... | 5.497 | 6.151 | 616073 | 2733384 | 0.011 | 0.773 # |
| 25) Oxychlorane | 6.936f | 7.608 | 246266 | 3291535 | BelowCal | 0.910 |
| 26) 2,4'-DDE | 7.032f | 7.814 | 318418 | 3496904 | 0.133 | 1.417 # |
| 27) trans-Non... | 7.219 | 7.910f | 434875 | 3430603 | BelowCal | 0.798 |
| 28) 2,4'-DDD | 7.448 | 8.174 | 229541 | 3745199 | BelowCal | 1.802 |
| 29) 2,4'-DDT | 7.605 | 8.403 | 181177 | 3560264 | BelowCal | 1.757 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 13:15
 Operator : MJB
 Sample : 0070206-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:20:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

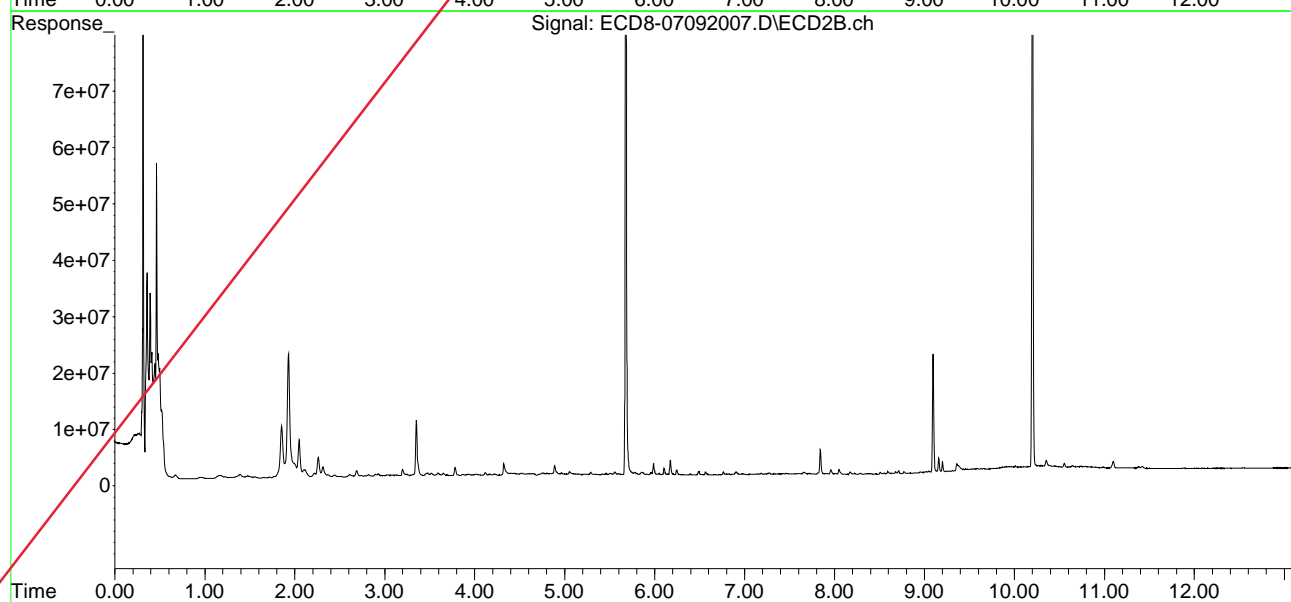
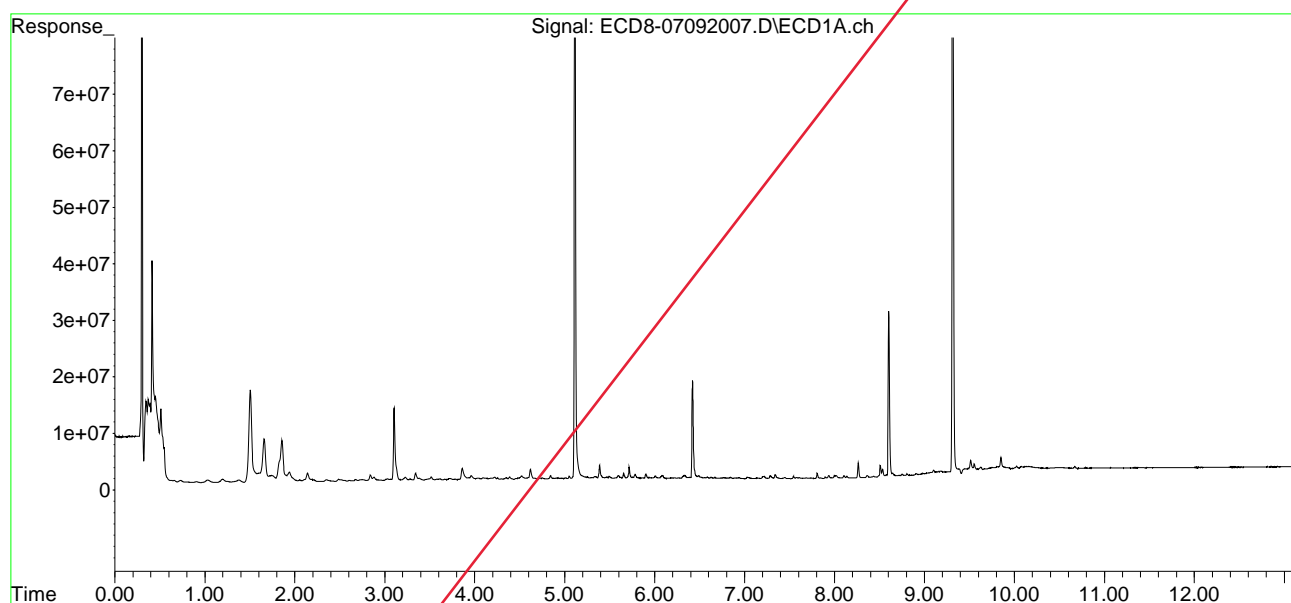
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|-------|--------|--------|---------|----------|-----------|
| 30) | cis-Nonac... | 7.682 | 8.450 | 144438 | 3537214 | 0.035 | 0.885 # |
| 31) | Mirex | 8.363 | 9.359 | 376409 | 5637180 | BelowCal | 2.237 |
| 32) | Chlordane... | 7.204 | 7.910f | 398348 | 3430603 | 0.964 | 7.920 # |
| 33) | Chlordane... | 7.287 | 8.008 | 630835 | 3437185 | 1.226 | 9.421 # |
| 34) | Chlordane... | 7.843 | 8.654 | 113376 | 3741842 | 0.877 | 31.372 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.287 | 8.224 | 630835 | 3543726 | 35.815 | 107.995 # |
| 37) | Toxaphene... | 7.577 | 8.591 | 200328 | 4000042 | 2.659 | 93.931 # |
| 38) | Toxaphene... | 7.896 | 8.591 | 261499 | 4000042 | 3.605 | 63.305 # |
| 39) | Toxaphene... | 8.133 | 8.680 | 321880 | 4005205 | BelowCal | 25.899 |
| 40) | Toxaphene... | 8.363 | 8.839 | 376409 | 3812536 | 7.227 | 64.932 # |
| 41) | Toxaphene... | 8.415 | 9.250 | 84300 | 4290866 | 1.142 | 66.788 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 13:32
 Operator : MJB
 Sample : 0070206-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:23:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|----------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.115 | 5.680 | 139.0E6 | 124.4E6 | 38.107 | 35.034 |
| 22) S DCBP (S) | 9.315 | 10.200 | 146.0E6 | 116.7E6 | 50.965 | 48.983 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.658 | 6.311f | 1134307 | 136365 | 0.233 | 0.029 # |
| 3) g-BHC | 5.963f | 6.588 | 247677 | 208522 | 0.058 | 0.049 |
| 4) b-BHC | 6.008 | 6.670 | 575998 | 98492 | 0.319 | 0.054 # |
| 5) Heptachlor | 6.332 | 6.974 | 661294 | 208005 | 0.167 | 0.049 # |
| 6) d-BHC | 6.192f | 6.903 | 272705 | 532072 | 0.113 | 0.179 # |
| 7) Aldrin | 6.586 | 7.226 | 325142 | 144860 | 0.075 | 0.036 # |
| 8) Heptachlo... | 7.053 | 7.658 | 117.7E6 | 485265 | 29.786 | 0.129 # |
| 9) trans-Chl... | 7.131 | 7.811 | 354061 | 108.1E6 | 0.088 | 28.310 # |
| 10) cis-Chlor... | 7.217f | 7.912 | 421346 | 184199 | BelowCal | 0.049 |
| 11) Endosulfa... | 7.304f | 7.956 | 193.2E6 | 793548 | 52.475 | 0.234 # |
| 12) 4,4'-DDE | 7.304 | 8.034 | 193.2E6 | 178.1E6 | 52.703 | 49.597 |
| 13) Dieldrin | 7.542f | 8.184 | 470121 | 102.2E6 | 0.116 | 26.515 # |
| 14) Endrin | 7.681 | 8.406 | 167608 | 117.4E6 | 0.050 | 39.716 # |
| 15) 4,4'-DDD | 7.723 | 8.448 | 163.9E6 | 145.4E6 | 57.443 | 50.375 |
| 16) Endosulfa... | 7.806 | 8.554 | 1268809 | 452064 | 0.417 | 0.149 # |
| 17) 4,4'-DDT | 7.921 | 8.674 | 161.2E6 | 149.9E6 | 63.943 | 54.133 |
| 18) Endrin Al... | 8.103 | 8.771 | 324672 | 287844 | BelowCal | 0.099 |
| 19) Endosulfa... | 8.412 | 8.953 | 76280 | 196417 | 0.026 | 0.066 # |
| 20) Methoxychlor | 8.264 | 9.158 | 2148839 | 2173333 | 1.896 | 1.650 |
| 21) Endrin Ke... | 8.603 | 9.358 | 28626030 | 1557504 | 8.026 | 0.464 # |
| 23) Hexachlor... | 2.880 | 3.351f | 608178 | 10797735 | BelowCal | 2.337 |
| 24) Hexachlor... | 5.496 | 6.151 | 547841 | 263953 | BelowCal | BelowCal |
| 25) Oxychlorane | 6.958 | 7.609 | 159065 | 110499 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.053 | 7.811 | 117.7E6 | 108.1E6 | 49.184 | 48.144 |
| 27) trans-Non... | 7.217 | 7.912f | 421346 | 184199 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.424 | 8.184 | 113.7E6 | 102.2E6 | 58.199 | 49.187 |
| 29) 2,4'-DDT | 7.606 | 8.406 | 135.2E6 | 117.4E6 | 69.195 | 57.247 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 13:32
 Operator : MJB
 Sample : 0070206-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:23:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

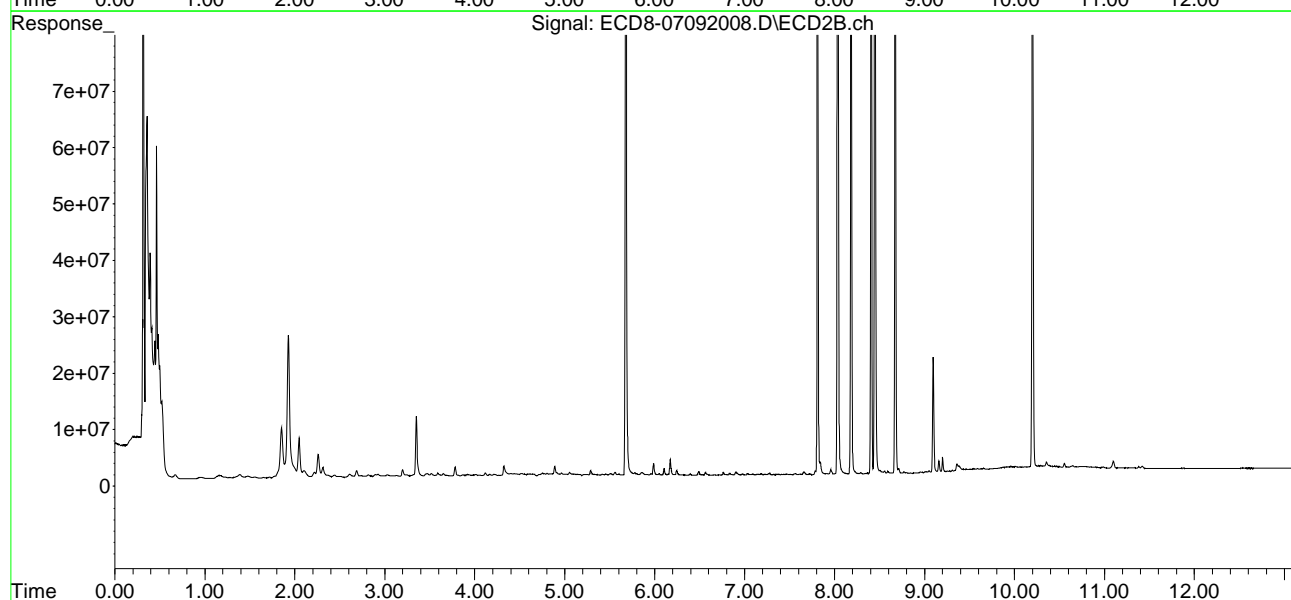
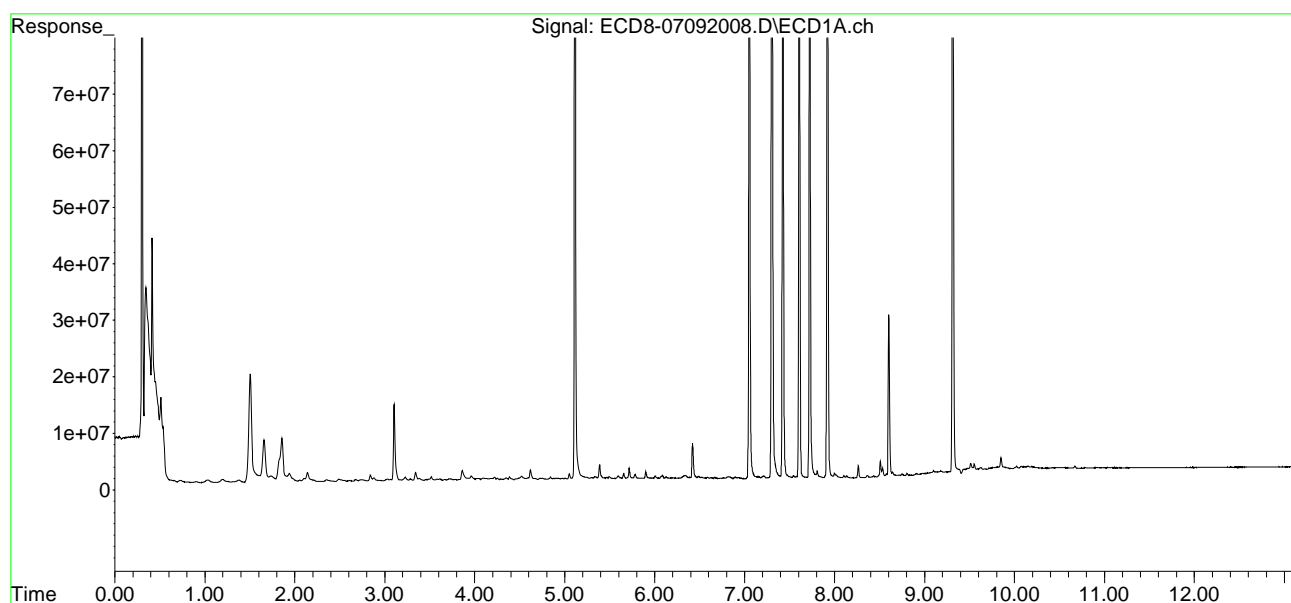
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|-------|--------|---------|---------|----------|------------|
| 30) | cis-Nonac... | 7.681 | 8.448 | 167608 | 145.4E6 | 0.041 | 36.381 # |
| 31) | Mirex | 8.362 | 9.358 | 371304 | 1557504 | BelowCal | 0.411 |
| 32) | Chlordane... | 7.217 | 7.912f | 421346 | 184199 | 1.020 | 0.425 # |
| 33) | Chlordane... | 7.304 | 8.034f | 193.2E6 | 178.1E6 | 375.434 | 488.149 # |
| 34) | Chlordane... | 0.000 | 8.674 | 0 | 149.9E6 | N.D. | 1256.769 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.263 | 0.000 | 156446 | 0 | 5.728 | N.D. # |
| 37) | Toxaphene... | 7.576 | 8.591 | 291694 | 426747 | 5.566 | 10.021 # |
| 38) | Toxaphene... | 7.895 | 8.591 | 381331 | 426747 | 5.256 | 6.754 # |
| 39) | Toxaphene... | 8.133 | 8.674 | 352815 | 149.9E6 | BelowCal | 1375.164 |
| 40) | Toxaphene... | 8.362 | 8.839 | 371304 | 40021 | 7.129 | 0.682 # |
| 41) | Toxaphene... | 8.412 | 9.251 | 76280 | 300685 | 1.034 | 4.680 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:32
Operator : MJB
Sample : 0070206-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:23:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 13:49
 Operator : MJB
 Sample : A0F0647-03RE3
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:24:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.115 | 5.680 | 101.1E6 | 93139872 | 27.708 | 26.236 |
| 22) S DCBP (S) | 9.313 | 10.200 | 131.0E6 | 106.0E6 | 45.779 | 44.616 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.658 | 6.274 | 1404409 | 276588 | 0.288 | 0.058 # |
| 3) g-BHC | 5.958f | 6.611 | 432863 | 121866 | 0.101 | 0.029 # |
| 4) b-BHC | 6.009 | 6.667 | 770440 | 94436 | 0.427 | 0.052 # |
| 5) Heptachlor | 6.329 | 6.974 | 838203 | 2646383 | 0.212 | 0.625 # |
| 6) d-BHC | 6.150 | 6.942 | 223531 | 139318 | 0.099 | 0.073 # |
| 7) Aldrin | 6.584 | 7.227 | 397737 | 145006 | 0.092 | 0.036 # |
| 8) Heptachlo... | 7.029 | 7.657 | 307968 | 365873 | 0.078 | 0.097 |
| 9) trans-Chl... | 7.134 | 7.813 | 149435 | 295107 | 0.037 | 0.077 # |
| 10) cis-Chlor... | 7.202f | 7.907 | 488261 | 201665 | BelowCal | 0.054 |
| 11) Endosulfa... | 7.339 | 7.957 | 840741 | 979956 | 0.228 | 0.289 # |
| 12) 4,4'-DDE | 7.285f | 8.048 | 824114 | 821447 | 0.225 | 0.254 |
| 13) Dieldrin | 7.541f | 8.170 | 456910 | 500650 | 0.113 | 0.130 |
| 14) Endrin | 7.653 | 8.402 | 84576 | 66868 | 0.025 | 0.023 |
| 15) 4,4'-DDD | 7.733 | 8.448 | 174449 | 28737 | 0.061 | BelowCal # |
| 16) Endosulfa... | 7.805 | 8.552 | 794441 | 125347 | 0.261 | 0.041 # |
| 17) 4,4'-DDT | 7.934 | 8.679 | 374899 | 259161 | 0.174 | 0.066 # |
| 18) Endrin Al... | 8.102 | 8.772 | 314990 | 242917 | BelowCal | 0.084 |
| 19) Endosulfa... | 8.410 | 8.954 | 497708 | 301988 | 0.169 | 0.102 # |
| 20) Methoxychlor | 8.262 | 9.159 | 1878120 | 2010567 | 1.640 | 1.515 |
| 21) Endrin Ke... | 8.602 | 9.359 | 33154244 | 1751508 | 9.296 | 0.521 # |
| 23) Hexachlor... | 2.883 | 3.351f | 602773 | 7784619 | BelowCal | 1.635 |
| 24) Hexachlor... | 5.494 | 6.144 | 705986 | 497967 | 0.040 | BelowCal # |
| 25) Oxychlorane | 6.933f | 7.607 | 310685 | 214241 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.029f | 7.813 | 307968 | 295107 | 0.129 | BelowCal # |
| 27) trans-Non... | 7.202f | 7.907f | 488261 | 201665 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.446 | 8.170 | 294602 | 500650 | BelowCal | 0.241 |
| 29) 2,4'-DDT | 7.603 | 8.402 | 171868 | 66868 | BelowCal | BelowCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 13:49
 Operator : MJB
 Sample : A0F0647-03RE3
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:24:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

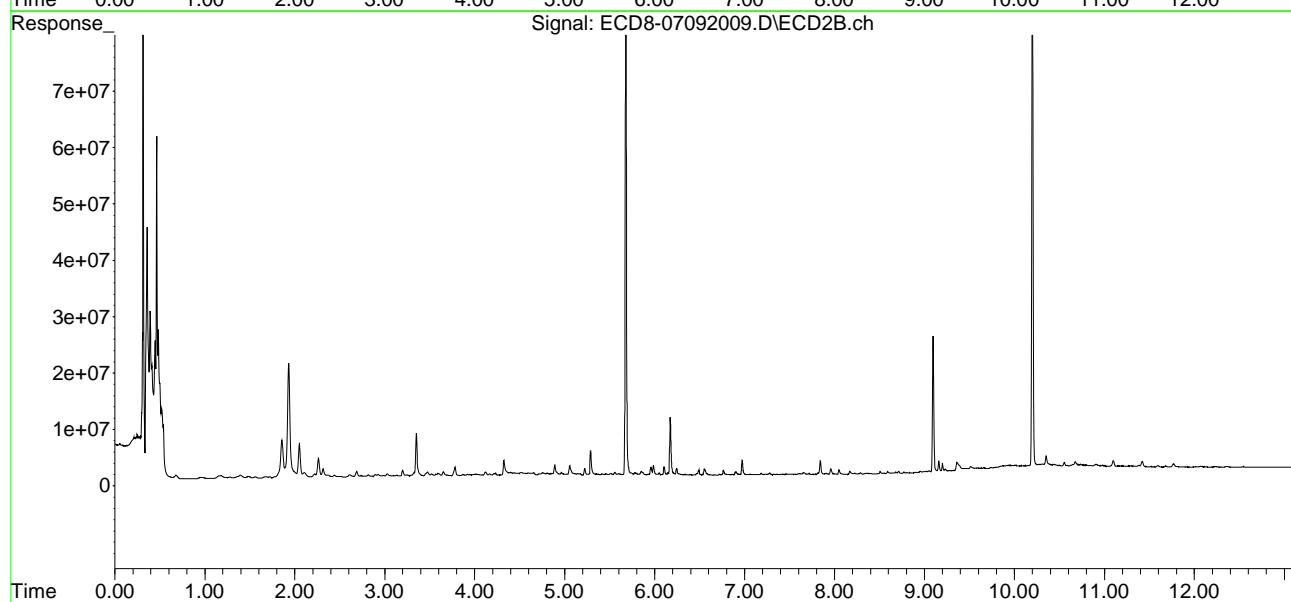
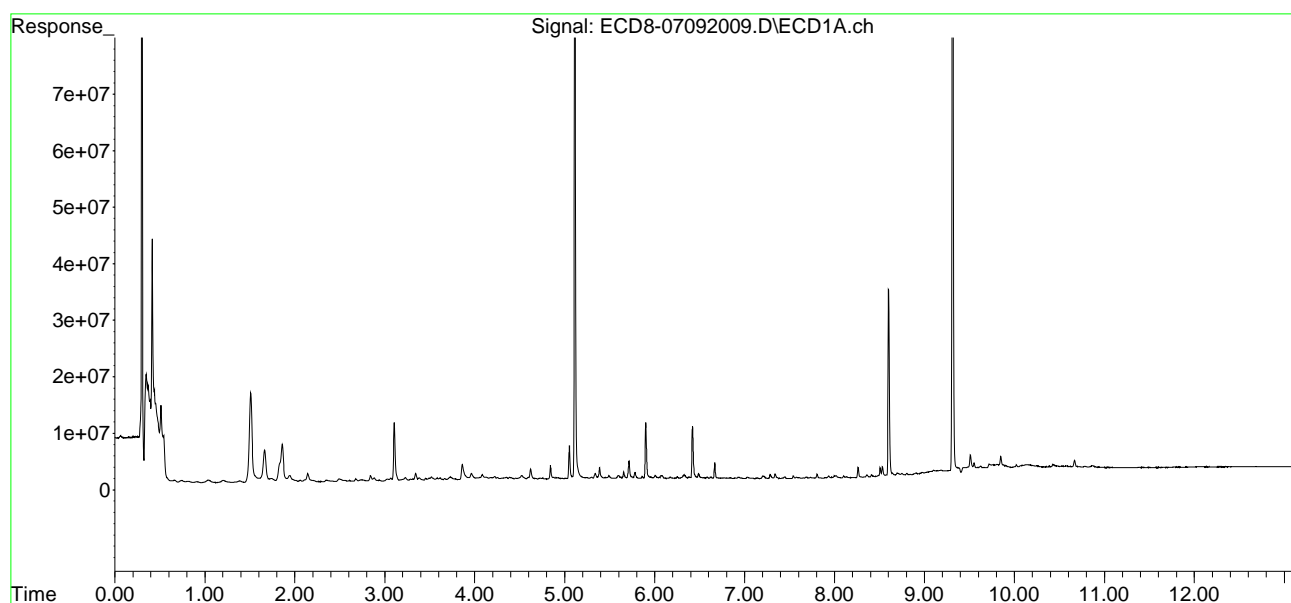
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL | |
|-----|--------------|-------|--------|--------|---------|----------|----------|---|
| 30) | cis-Nonac... | 7.682 | 8.448 | 244838 | 28737 | 0.060 | 0.007 | # |
| 31) | Mirex | 8.359 | 9.359 | 478069 | 1751508 | BelowCal | 0.498 | |
| 32) | Chlordane... | 7.202 | 7.907 | 488261 | 201665 | 1.182 | 0.466 | # |
| 33) | Chlordane... | 7.285 | 7.995 | 824114 | 132195 | 1.602 | 0.362 | # |
| 34) | Chlordane... | 7.843 | 8.643 | 85287 | 113933 | 0.660 | 0.955 | # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |
| 36) | Toxaphene... | 7.285 | 8.223 | 824114 | 210185 | 48.062 | 6.405 | # |
| 37) | Toxaphene... | 7.576 | 8.590 | 236703 | 393634 | 3.816 | 9.244 | # |
| 38) | Toxaphene... | 7.895 | 8.590f | 143582 | 393634 | 1.979 | 6.230 | # |
| 39) | Toxaphene... | 8.132 | 8.679 | 214114 | 259161 | BelowCal | BelowCal | |
| 40) | Toxaphene... | 8.359 | 8.854 | 478069 | 49611 | 9.179 | 0.845 | # |
| 41) | Toxaphene... | 8.432 | 9.231 | 194899 | 636030 | 2.641 | 9.900 | # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:49
Operator : MJB
Sample : A0F0647-03RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:24:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 14:05
 Operator : MJB
 Sample : A0F0647-04RE3
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:25:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------------|--------|--------|----------|---------|----------|------------|
| ----- | | | | | | | |
| System Monitoring Compounds | | | | | | | |
| 1) S | TCMX (S) | 5.116 | 5.679 | 111.1E6 | 102.6E6 | 30.456 | 28.900 |
| 22) S | DCBP (S) | 9.314 | 10.199 | 131.3E6 | 108.9E6 | 45.878 | 45.820 |
| Target Compounds | | | | | | | |
| 2) | a-BHC | 5.658 | 6.310f | 1351012 | 142646 | 0.277 | 0.030 # |
| 3) | g-BHC | 5.961f | 6.588 | 286995 | 206210 | 0.067 | 0.048 # |
| 4) | b-BHC | 6.009 | 6.668 | 688829 | 116216 | 0.382 | 0.064 # |
| 5) | Heptachlor | 6.332 | 6.974 | 791684 | 339736 | 0.200 | 0.080 # |
| 6) | d-BHC | 6.147 | 6.903 | 224647 | 556243 | 0.099 | 0.185 # |
| 7) | Aldrin | 6.586 | 7.226 | 397690 | 192380 | 0.092 | 0.048 # |
| 8) | Heptachlo... | 7.031 | 7.656 | 270941 | 378304 | 0.069 | 0.100 # |
| 9) | trans-Chl... | 7.144 | 7.815 | 137665 | 256978 | 0.034 | 0.067 # |
| 10) | cis-Chlor... | 7.217f | 7.902 | 358767 | 174102 | BelowCal | 0.047 |
| 11) | Endosulfa... | 7.339 | 7.957 | 844802 | 702184 | 0.230 | 0.207 |
| 12) | 4,4'-DDE | 7.285f | 8.047 | 589835 | 931818 | 0.161 | 0.288 # |
| 13) | Dieldrin | 7.542f | 8.172 | 536011 | 521216 | 0.133 | 0.135 |
| 14) | Endrin | 7.654 | 8.400 | 79053 | 75723 | 0.023 | 0.026 |
| 15) | 4,4'-DDD | 7.736 | 8.451 | 167757 | 17924 | 0.059 | BelowCal # |
| 16) | Endosulfa... | 7.806 | 8.551 | 1005385 | 272840 | 0.330 | 0.090 # |
| 17) | 4,4'-DDT | 7.935 | 8.679 | 448167 | 435417 | 0.206 | 0.137 # |
| 18) | Endrin Al... | 8.103 | 8.769 | 280999 | 248355 | BelowCal | 0.086 |
| 19) | Endosulfa... | 8.411 | 8.953 | 205334 | 312024 | 0.070 | 0.105 # |
| 20) | Methoxychlor | 8.263 | 9.157 | 1907281 | 2034455 | 1.668 | 1.535 |
| 21) | Endrin Ke... | 8.602 | 9.357 | 31934814 | 1798739 | 8.954 | 0.536 # |
| 23) | Hexachlor... | 2.883 | 3.351f | 646721 | 6139768 | BelowCal | 1.252 |
| 24) | Hexachlor... | 5.497 | 6.151 | 553642 | 278362 | BelowCal | BelowCal |
| 25) | Oxychlorane | 6.934f | 7.608 | 268639 | 154133 | BelowCal | BelowCal |
| 26) | 2,4'-DDE | 7.046 | 7.815 | 204499 | 256978 | 0.085m | BelowCal # |
| 27) | trans-Non... | 7.217 | 7.902f | 358767 | 174102 | BelowCal | BelowCal |
| 28) | 2,4'-DDD | 7.446 | 8.172 | 254582 | 521216 | BelowCal | 0.251 |
| 29) | 2,4'-DDT | 7.605 | 8.400 | 166711 | 75723 | BelowCal | BelowCal |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 14:05
 Operator : MJB
 Sample : A0F0647-04RE3
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:25:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

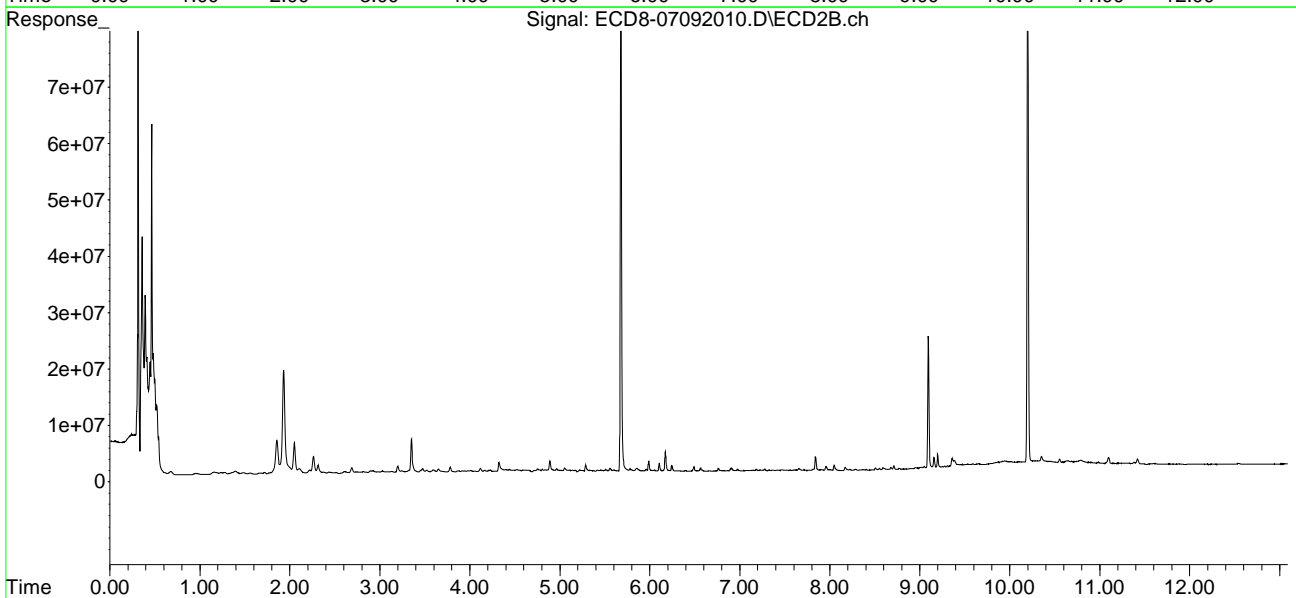
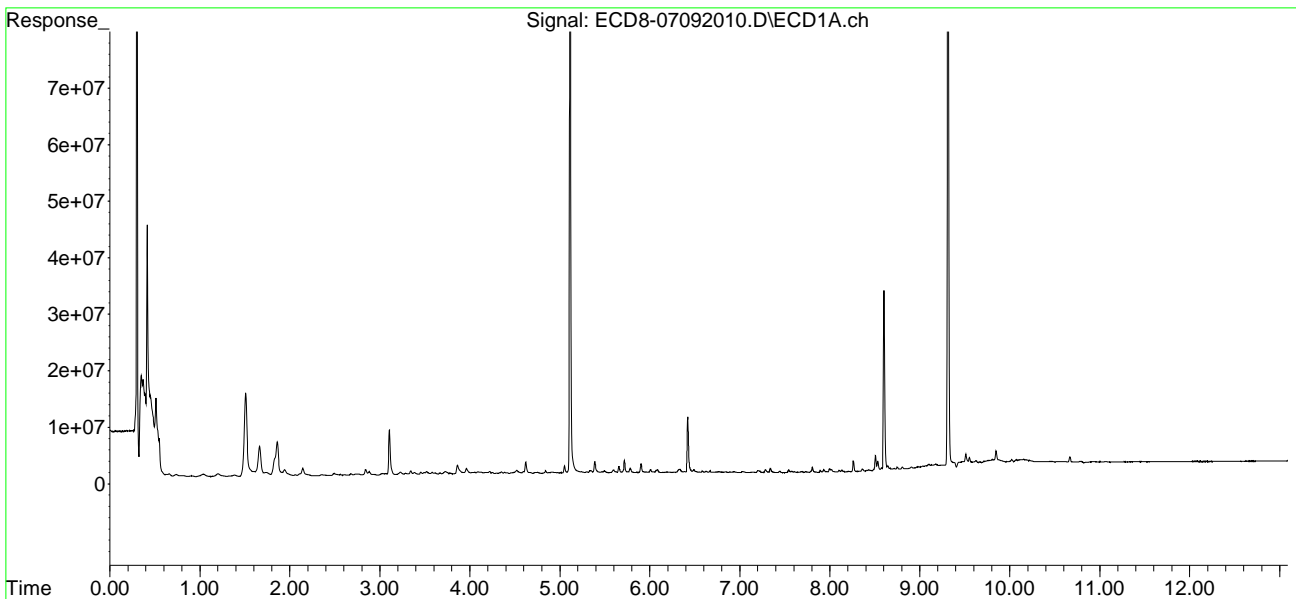
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL | |
|-----|--------------|-------|-------|--------|---------|----------|----------|---|
| 30) | cis-Nonac... | 7.683 | 8.451 | 188617 | 17924 | 0.046 | 0.004 | # |
| 31) | Mirex | 8.361 | 9.357 | 457989 | 1798739 | BelowCal | 0.519 | |
| 32) | Chlordane... | 7.203 | 7.902 | 390375 | 174102 | 0.945 | 0.402 | # |
| 33) | Chlordane... | 7.285 | 7.998 | 589835 | 167606 | 1.146 | 0.459 | # |
| 34) | Chlordane... | 7.842 | 8.656 | 111086 | 117698 | 0.859 | 0.987 | |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |
| 36) | Toxaphene... | 7.285 | 8.222 | 589835 | 185777 | 33.216 | 5.662 | # |
| 37) | Toxaphene... | 7.577 | 8.591 | 259930 | 366556 | 4.555 | 8.608 | # |
| 38) | Toxaphene... | 7.894 | 8.591 | 360736 | 366556 | 4.972 | 5.801 | |
| 39) | Toxaphene... | 8.133 | 8.679 | 354705 | 435417 | BelowCal | BelowCal | |
| 40) | Toxaphene... | 8.361 | 8.837 | 457989 | 116766 | 8.793 | 1.989 | # |
| 41) | Toxaphene... | 8.411 | 9.249 | 205334 | 412602 | 2.782 | 6.422 | # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 14:05
Operator : MJB
Sample : A0F0647-04RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

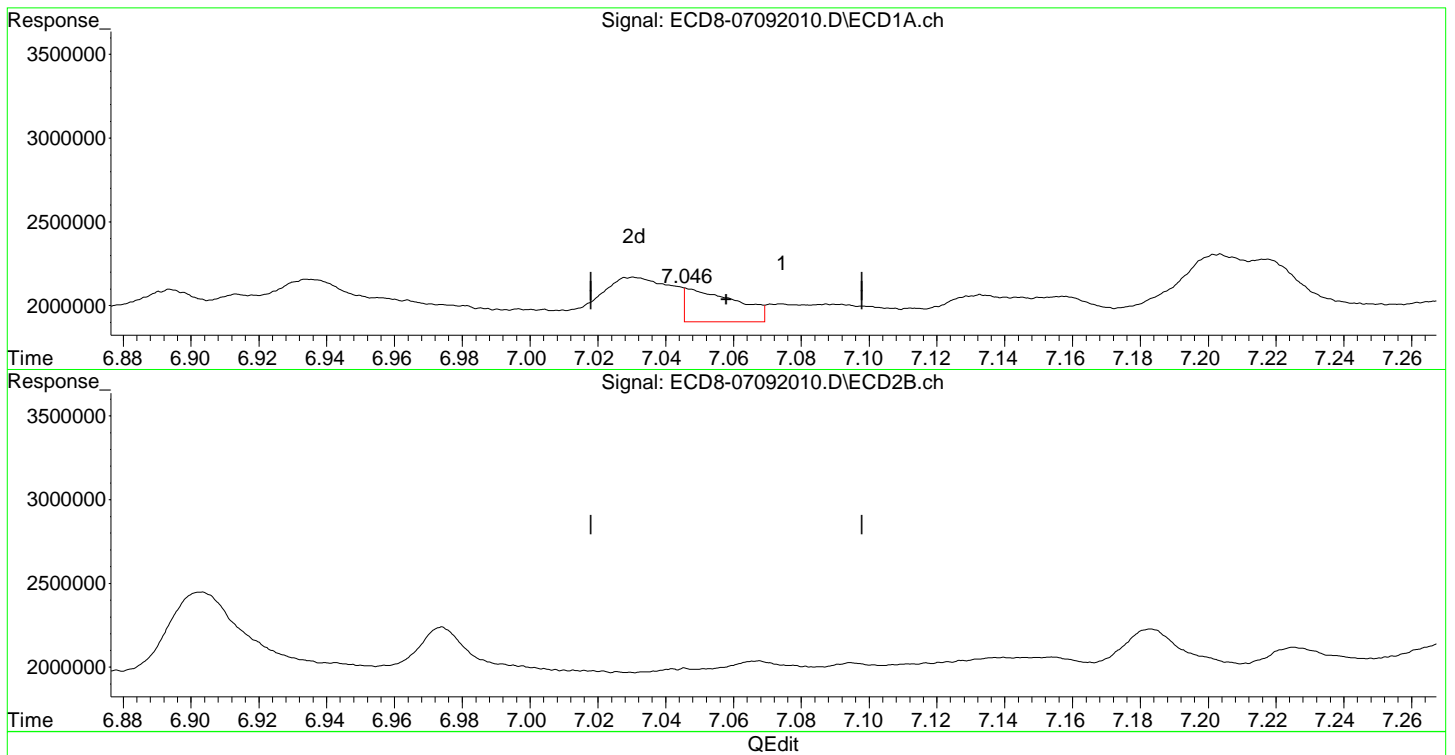
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:25:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 14:05
Operator : MJB
Sample : A0F0647-04RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:25:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.046min 0.085 ng/mL m
response 204499

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(26) 2,4'-DDE #2
7.815min -0.130 ng/mL
response 256978

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 14:05
 Operator : MJB
 Sample : A0F0647-04RE3
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

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MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:25:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.116 | 5.679 | 111.1E6 | 102.6E6 | 30.456 | 28.900 |
| 22) S DCBP (S) | 9.314 | 10.199 | 131.3E6 | 108.9E6 | 45.878 | 45.820 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.658 | 6.310f | 1351012 | 142646 | 0.277 | 0.030 # |
| 3) g-BHC | 5.961f | 6.588 | 286995 | 206210 | 0.067 | 0.048 # |
| 4) b-BHC | 6.009 | 6.668 | 688829 | 116216 | 0.382 | 0.064 # |
| 5) Heptachlor | 6.332 | 6.974 | 791684 | 339736 | 0.200 | 0.080 # |
| 6) d-BHC | 6.147 | 6.903 | 224647 | 556243 | 0.099 | 0.185 # |
| 7) Aldrin | 6.586 | 7.226 | 397690 | 192380 | 0.092 | 0.048 # |
| 8) Heptachlo... | 7.031 | 7.656 | 270941 | 378304 | 0.069 | 0.100 # |
| 9) trans-Chl... | 7.144 | 7.815 | 137665 | 256978 | 0.034 | 0.067 # |
| 10) cis-Chlor... | 7.217f | 7.902 | 358767 | 174102 | BelowCal | 0.047 |
| 11) Endosulfa... | 7.339 | 7.957 | 844802 | 702184 | 0.230 | 0.207 |
| 12) 4,4'-DDE | 7.285f | 8.047 | 589835 | 931818 | 0.161 | 0.288 # |
| 13) Dieldrin | 7.542f | 8.172 | 536011 | 521216 | 0.133 | 0.135 |
| 14) Endrin | 7.654 | 8.400 | 79053 | 75723 | 0.023 | 0.026 |
| 15) 4,4'-DDD | 7.736 | 8.451 | 167757 | 17924 | 0.059 | BelowCal # |
| 16) Endosulfa... | 7.806 | 8.551 | 1005385 | 272840 | 0.330 | 0.090 # |
| 17) 4,4'-DDT | 7.935 | 8.679 | 448167 | 435417 | 0.206 | 0.137 # |
| 18) Endrin Al... | 8.103 | 8.769 | 280999 | 248355 | BelowCal | 0.086 |
| 19) Endosulfa... | 8.411 | 8.953 | 205334 | 312024 | 0.070 | 0.105 # |
| 20) Methoxychlor | 8.263 | 9.157 | 1907281 | 2034455 | 1.668 | 1.535 |
| 21) Endrin Ke... | 8.602 | 9.357 | 31934814 | 1798739 | 8.954 | 0.536 # |
| 23) Hexachlor... | 2.883 | 3.351f | 646721 | 6139768 | BelowCal | 1.252 |
| 24) Hexachlor... | 5.497 | 6.151 | 553642 | 278362 | BelowCal | BelowCal |
| 25) Oxychlorane | 6.934f | 7.608 | 268639 | 154133 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.074 | 7.815 | 107442 | 256978 | 0.045 | BelowCal # |
| 27) trans-Non... | 7.217 | 7.902f | 358767 | 174102 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.446 | 8.172 | 254582 | 521216 | BelowCal | 0.251 |
| 29) 2,4'-DDT | 7.605 | 8.400 | 166711 | 75723 | BelowCal | BelowCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 14:05
 Operator : MJB
 Sample : A0F0647-04RE3
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:25:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

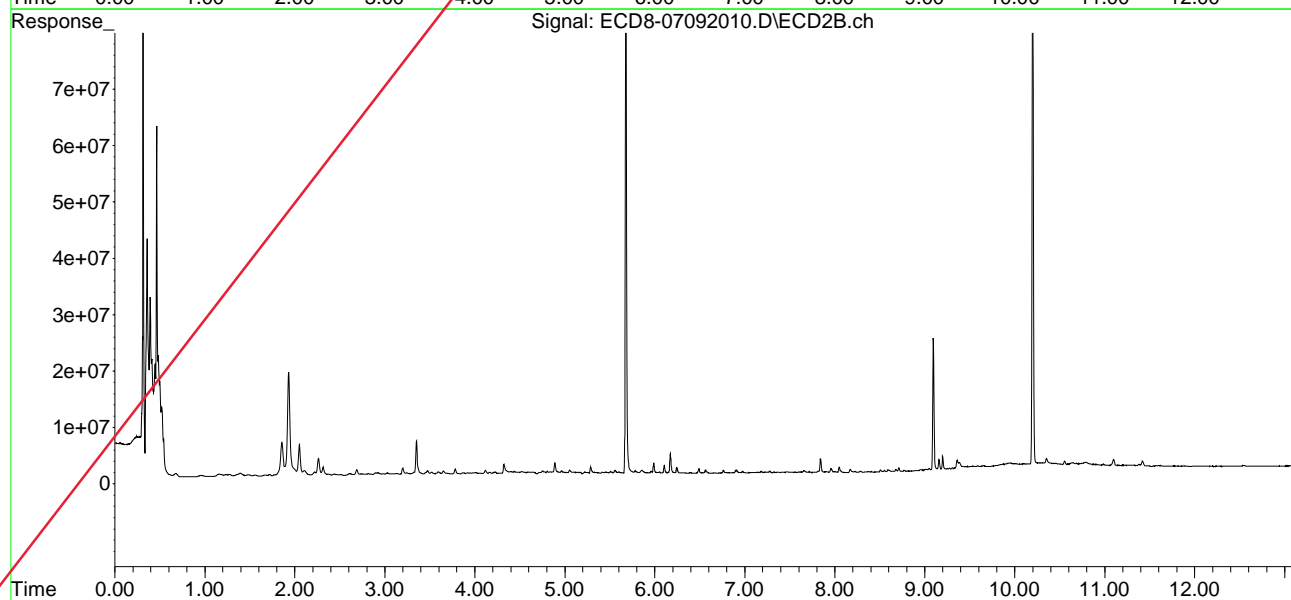
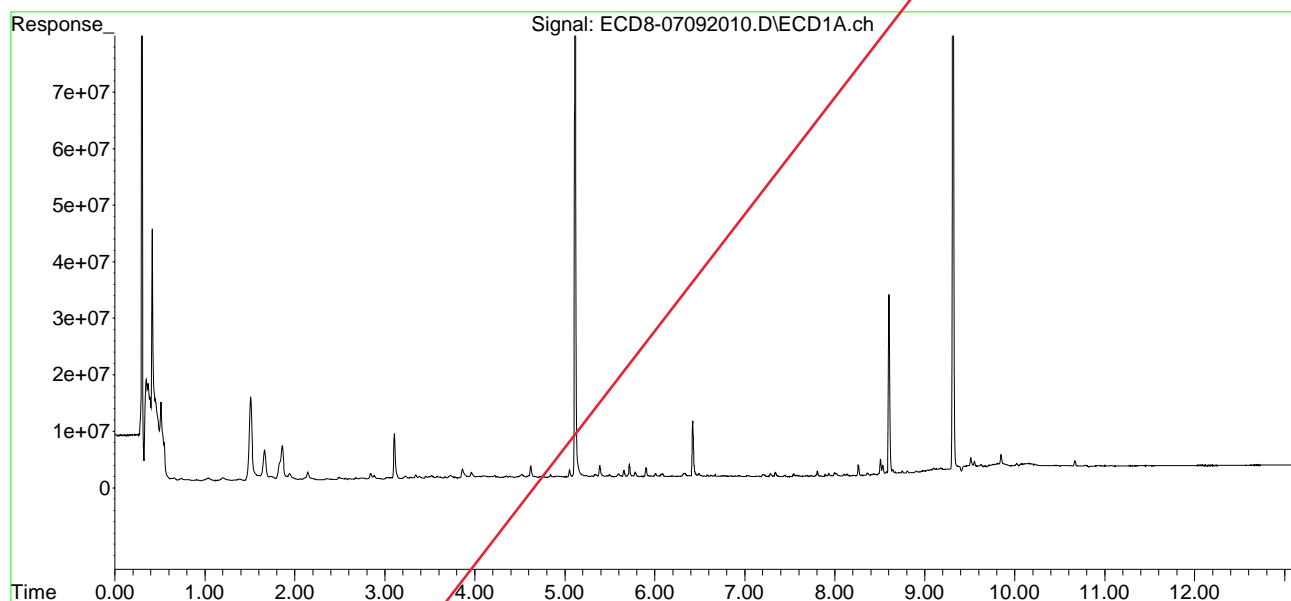
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL | |
|-----|--------------|-------|-------|--------|---------|----------|----------|---|
| 30) | cis-Nonac... | 7.683 | 8.451 | 188617 | 17924 | 0.046 | 0.004 | # |
| 31) | Mirex | 8.361 | 9.357 | 457989 | 1798739 | BelowCal | 0.519 | |
| 32) | Chlordane... | 7.203 | 7.902 | 390375 | 174102 | 0.945 | 0.402 | # |
| 33) | Chlordane... | 7.285 | 7.998 | 589835 | 167606 | 1.146 | 0.459 | # |
| 34) | Chlordane... | 7.842 | 8.656 | 111086 | 117698 | 0.859 | 0.987 | |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |
| 36) | Toxaphene... | 7.285 | 8.222 | 589835 | 185777 | 33.216 | 5.662 | # |
| 37) | Toxaphene... | 7.577 | 8.591 | 259930 | 366556 | 4.555 | 8.608 | # |
| 38) | Toxaphene... | 7.894 | 8.591 | 360736 | 366556 | 4.972 | 5.801 | |
| 39) | Toxaphene... | 8.133 | 8.679 | 354705 | 435417 | BelowCal | BelowCal | |
| 40) | Toxaphene... | 8.361 | 8.837 | 457989 | 116766 | 8.793 | 1.989 | # |
| 41) | Toxaphene... | 8.411 | 9.249 | 205334 | 412602 | 2.782 | 6.422 | # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 14:05
Operator : MJB
Sample : A0F0647-04RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:25:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 15:52
 Operator : MJB
 Sample : 0G09046-CCV3
 Misc : A20E233, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:44:12 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|---------|---------|----------|------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.115 | 5.680 | 391.2E6 | 335.6E6 | 107.264 | 94.536 |
| 22) S DCBP (S) | 9.314 | 10.198 | 292.1E6 | 254.3E6 | 101.099 | 102.248 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.653 | 6.286 | 537.2E6 | 507.8E6 | 110.246 | 106.533 |
| 3) g-BHC | 5.935 | 6.603 | 484.6E6 | 442.4E6 | 113.467 | 103.625 |
| 4) b-BHC | 6.013 | 6.672 | 165.7E6 | 164.6E6 | 91.875 | 90.041 |
| 5) Heptachlor | 6.344 | 6.970 | 453.8E6 | 442.4E6 | 114.776 | 104.396 |
| 6) d-BHC | 6.161 | 6.924 | 365.1E6 | 378.4E6 | 92.142 | 88.521 |
| 7) Aldrin | 6.582 | 7.232 | 466.1E6 | 427.4E6 | 108.106 | 106.591 |
| 8) Heptachlo... | 7.043 | 7.671 | 423.5E6 | 380.3E6 | 107.172 | 101.013 |
| 9) trans-Chl... | 7.139 | 7.811 | 419.5E6 | 388.3E6 | 104.260 | 101.709 |
| 10) cis-Chlor... | 7.236 | 7.918 | 406.6E6 | 372.8E6 | 104.445 | 100.065 |
| 11) Endosulfa... | 7.329 | 7.965 | 411.8E6 | 353.7E6 | 111.869 | 104.263 |
| 12) 4,4'-DDE | 7.307 | 8.035 | 352.2E6 | 351.8E6 | 96.096 | 91.732 |
| 13) Dieldrin | 7.501 | 8.165 | 444.2E6 | 415.9E6 | 110.032 | 107.879 |
| 14) Endrin | 7.664 | 8.391 | 343.0E6 | 302.4E6 | 101.654 | 102.276 |
| 15) 4,4'-DDD | 7.727 | 8.450 | 292.4E6 | 287.6E6 | 102.486 | 92.459 |
| 16) Endosulfa... | 7.820 | 8.540 | 327.6E6 | 315.3E6 | 107.660 | 104.276 |
| 17) 4,4'-DDT | 7.923 | 8.674 | 284.6E6 | 282.6E6 | 106.020 | 94.728 |
| 18) Endrin Al... | 8.110 | 8.777 | 315.5E6 | 282.5E6 | 110.436 | 97.641 |
| 19) Endosulfa... | 8.410 | 8.968 | 314.8E6 | 292.1E6 | 106.595 | 98.504 |
| 20) Methoxychlor | 8.267 | 9.159 | 126.0E6 | 135.3E6 | 102.333 | 96.410 |
| 21) Endrin Ke... | 8.602 | 9.362 | 410.8E6 | 359.2E6 | 115.180 | 106.929 |
| 23) Hexachlor... | 2.877 | 3.404f | 6843 | 21261 | BelowCal | BelowCal |
| 24) Hexachlor... | 5.496 | 0.000 | 793751 | 0 | 0.069 | N.D. # |
| 25) Oxychlorane | 6.980 | 7.612 | 1786134 | 44488 | 0.372 | BelowCal # |
| 26) 2,4'-DDE | 7.043 | 7.811 | 423.5E6 | 388.3E6 | 176.969 | 152.408 |
| 27) trans-Non... | 7.236 | 7.868 | 406.6E6 | 1698224 | 112.806 | 0.266 # |
| 28) 2,4'-DDD | 0.000 | 8.165f | 0 | 415.9E6 | N.D. | 200.121 # |
| 29) 2,4'-DDT | 7.607 | 8.391 | 1598187 | 302.4E6 | 0.707 | 130.844 # |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 15:52
 Operator : MJB
 Sample : 0G09046-CCV3
 Misc : A20E233, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:44:12 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

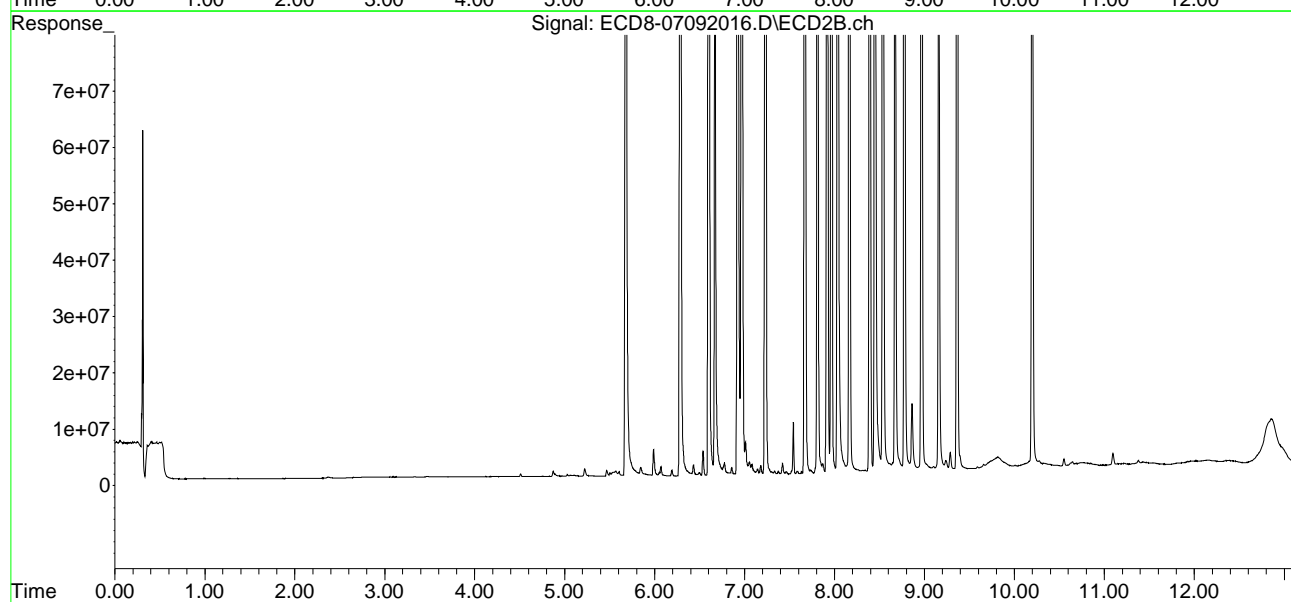
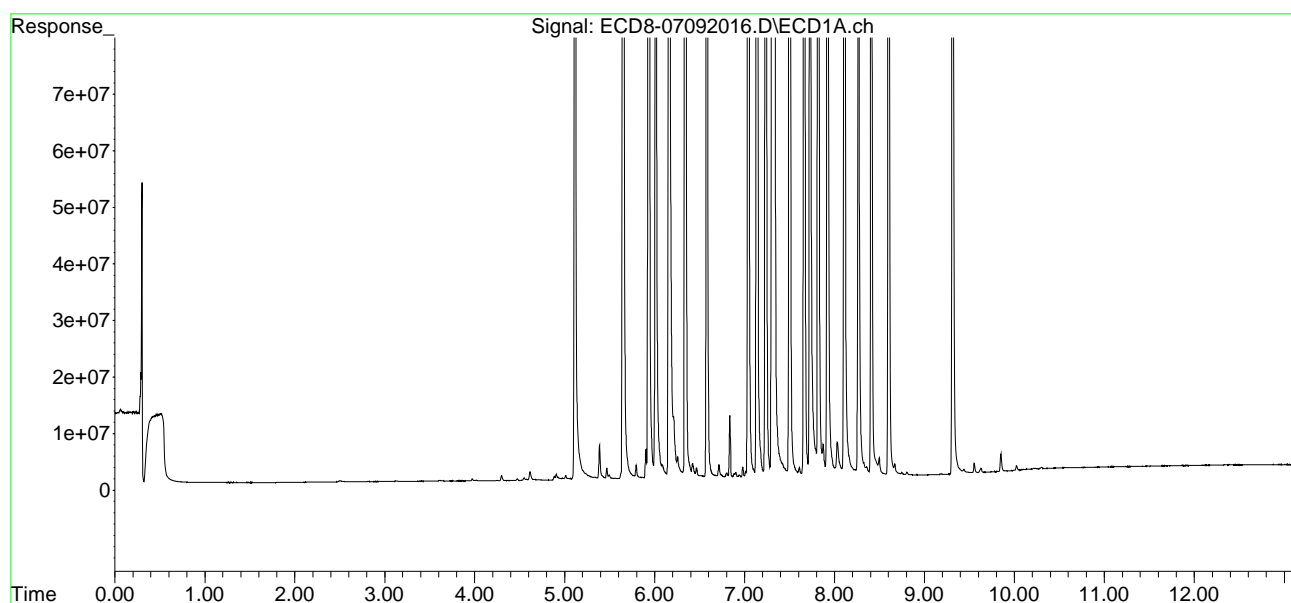
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|--------|---------|----------|-----------|------------|
| 30) | cis-Nonac... | 7.727f | 8.450 | 292.4E6 | 287.6E6 | 71.114 | 71.944 |
| 31) | Mirex | 8.357 | 9.362 | 1590306 | 359.2E6 | 0.330 | 150.532 # |
| 32) | Chlordane... | 7.236f | 7.868f | 406.6E6 | 1698224 | 984.343 | 3.921 # |
| 33) | Chlordane... | 7.307 | 7.965f | 352.2E6 | 353.7E6 | 684.547 | 969.396 # |
| 34) | Chlordane... | 7.873f | 8.674 | 5595113 | 282.6E6 | 43.280 | 2369.189 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.307f | 8.264f | 352.2E6 | 434188 | 16429.203 | 13.232 # |
| 37) | Toxaphene... | 7.607f | 8.540f | 1598187 | 315.3E6 | 47.151 | 7404.423 # |
| 38) | Toxaphene... | 7.873 | 8.645f | 5595113 | 1520263 | 77.125 | 24.060 # |
| 39) | Toxaphene... | 8.110 | 8.674 | 315.5E6 | 282.6E6 | 4025.904 | 2336.413 # |
| 40) | Toxaphene... | 8.357 | 8.863 | 1590306 | 11977332 | 30.533 | 203.988 # |
| 41) | Toxaphene... | 8.410 | 9.237 | 314.8E6 | 1737016 | 4265.964 | 27.037 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:52
Operator : MJB
Sample : 0G09046-CCV3
Misc : A20E233, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 16:08
 Operator : MJB
 Sample : 0G09046-CCV4
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:44:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|----------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.091f | 5.680 | 4368273 | 54594 | 1.198 | 0.015 # |
| 22) S DCBP (S) | 9.316 | 0.000 | 59572 | 0 | BelowCal | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 5.905f | 6.595 | 983783 | 110737 | 0.230 | 0.026 # |
| 4) b-BHC | 6.022 | 6.642f | 191650 | 164553 | 0.106 | 0.090 |
| 5) Heptachlor | 6.343 | 6.969 | 937078 | 822020 | 0.237 | 0.194 |
| 6) d-BHC | 6.138f | 6.936 | 497139 | 137856 | 0.179 | 0.073 # |
| 7) Aldrin | 6.586 | 7.229 | 41061 | 169835 | 0.010 | 0.042 # |
| 8) Heptachlo... | 7.057 | 7.654 | 219.7E6 | 1064291 | 55.583 | 0.283 # |
| 9) trans-Chl... | 7.139 | 7.811 | 5670382 | 219.9E6 | 1.409 | 57.583 # |
| 10) cis-Chlor... | 7.229 | 7.918 | 372.0E6 | 13274802 | 96.058 | 3.563 # |
| 11) Endosulfa... | 7.336 | 7.983 | 3966762 | 1546255 | 1.078 | 0.456 # |
| 12) 4,4'-DDE | 7.318 | 8.028 | 1912464 | 603342 | 0.522 | 0.188 # |
| 13) Dieldrin | 7.472f | 8.184 | 12120722 | 181.4E6 | 3.003 | 47.056 # |
| 14) Endrin | 7.697f | 8.405 | 401.4E6 | 195.4E6 | 118.961 | 66.104 # |
| 15) 4,4'-DDD | 7.697f | 8.438 | 401.4E6 | 372.2E6 | 140.698 | 115.209 |
| 16) Endosulfa... | 7.846f | 0.000 | 526488 | 0 | 0.173 | N.D. # |
| 17) 4,4'-DDT | 7.925 | 8.675 | 349863 | 741001 | 0.163 | 0.260 # |
| 18) Endrin Al... | 8.120 | 8.781 | 855497 | 659763 | 0.115 | 0.228 # |
| 19) Endosulfa... | 0.000 | 8.964 | 0 | 570099 | N.D. | 0.192 # |
| 20) Methoxychlor | 8.292f | 9.148 | 18575 | 448886 | BelowCal | 0.217 |
| 21) Endrin Ke... | 8.611 | 9.347 | 572771 | 222.6E6 | 0.161 | 66.279 # |
| 23) Hexachlor... | 2.885 | 3.375 | 346.4E6 | 398.3E6 | 91.697 | 89.316 |
| 24) Hexachlor... | 5.496 | 6.144 | 342.4E6 | 297.7E6 | 105.014 | 91.717 |
| 25) Oxychlorane | 6.972 | 7.600 | 332.3E6 | 298.1E6 | 101.445 | 94.966 |
| 26) 2,4'-DDE | 7.057 | 7.811 | 219.7E6 | 219.9E6 | 91.782 | 92.671 |
| 27) trans-Non... | 7.229 | 7.875 | 372.0E6 | 344.6E6 | 103.582 | 98.575 |
| 28) 2,4'-DDD | 7.427 | 8.184 | 174.2E6 | 181.4E6 | 87.305 | 87.291 |
| 29) 2,4'-DDT | 7.609 | 8.405 | 199.8E6 | 195.4E6 | 99.187 | 90.195 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 16:08
 Operator : MJB
 Sample : 0G09046-CCV4
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:44:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

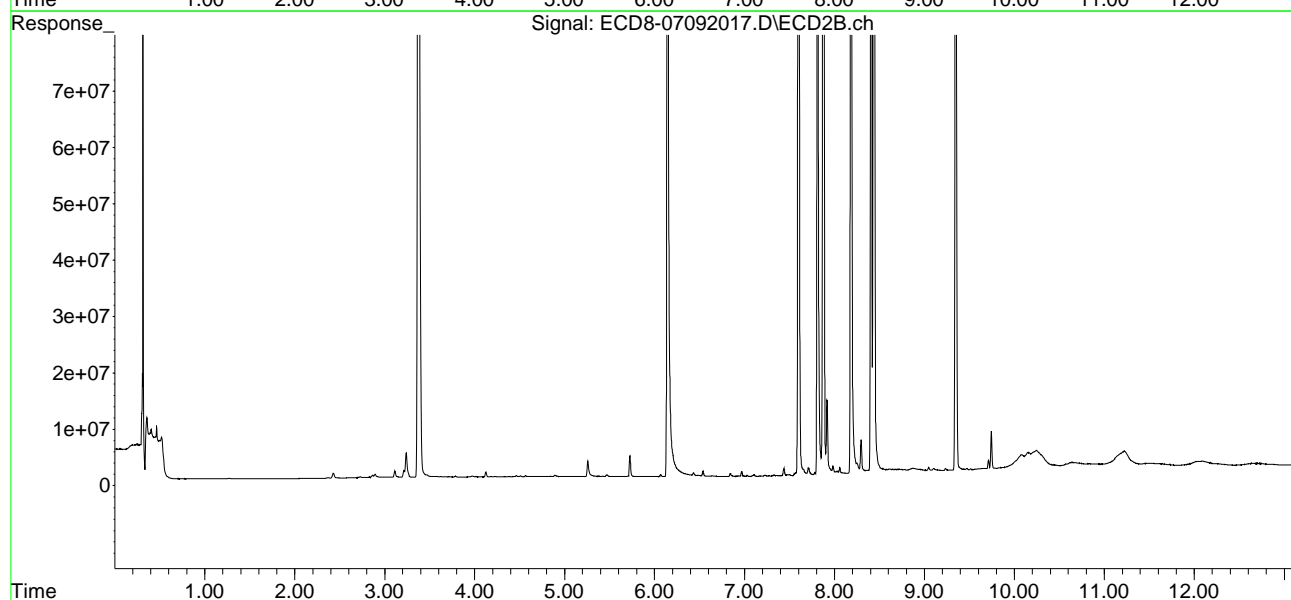
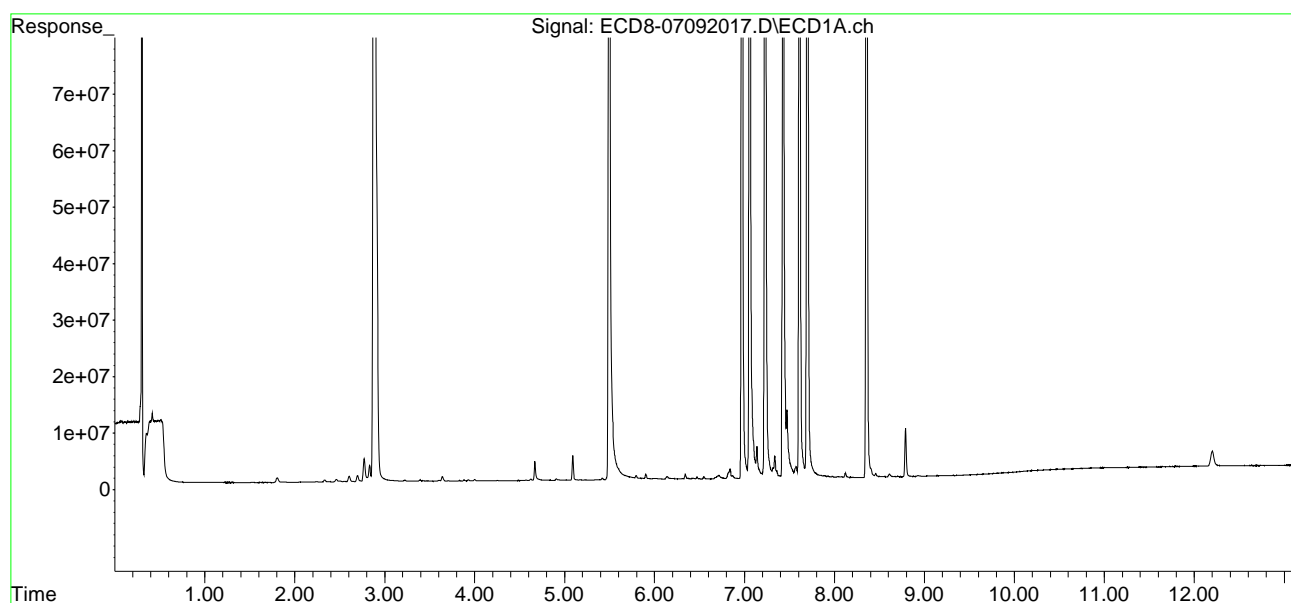
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|--------|---------|---------|----------|------------|
| 30) | cis-Nonac... | 7.697 | 8.438 | 401.4E6 | 372.2E6 | 97.629 | 93.133 |
| 31) | Mirex | 8.356 | 9.347 | 246.3E6 | 222.6E6 | 99.712 | 95.398 |
| 32) | Chlordane... | 7.229f | 7.875 | 372.0E6 | 344.6E6 | 900.467 | 795.467 |
| 33) | Chlordane... | 7.318 | 7.983 | 1912464 | 1546255 | 3.717 | 4.238 |
| 34) | Chlordane... | 7.846 | 8.647 | 526488 | 772241 | 4.073 | 6.474 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.318f | 8.249f | 1912464 | 1985327 | 116.901 | 60.503 # |
| 37) | Toxaphene... | 7.575 | 0.000 | 2054252 | 0 | 61.671 | N.D. # |
| 38) | Toxaphene... | 7.888 | 8.619 | 430590 | 768710 | 5.935 | 12.166 # |
| 39) | Toxaphene... | 8.120 | 8.675 | 855497 | 741001 | 4.533 | BelowCal # |
| 40) | Toxaphene... | 8.356 | 8.871 | 246.3E6 | 878526 | 4728.693 | 14.962 # |
| 41) | Toxaphene... | 8.457f | 9.234 | 702355 | 702832 | 9.517 | 10.940 |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:08
Operator : MJB
Sample : 0G09046-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 16:25
 Operator : MJB
 Sample : 0G09046-CCB2
 Misc : A20F379
 ALS Vial : 7 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:44:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.116 | 5.679 | 334.0E6 | 308.6E6 | 91.581 | 86.935 |
| 22) S DCBP (S) | 9.316 | 10.199 | 260.9E6 | 218.3E6 | 90.494 | 88.738 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 6.594 | 0 | 14325 | N.D. | 0.003 # |
| 4) b-BHC | 6.021 | 6.679 | 49051 | 13484 | 0.027 | 0.007 # |
| 5) Heptachlor | 6.344 | 6.952 | 6313 | 7233 | 0.002 | 0.002 |
| 6) d-BHC | 6.160 | 6.930 | 21743 | 25972 | 0.039 | 0.043 |
| 7) Aldrin | 6.597 | 7.231 | 82612 | 15753 | 0.019 | 0.004 # |
| 8) Heptachlo... | 7.066f | 7.679 | 20856 | 33563 | 0.005 | 0.009 # |
| 9) trans-Chl... | 7.138 | 7.816 | 115310 | 20879 | 0.029 | 0.005 # |
| 10) cis-Chlor... | 7.234 | 7.917 | 52700 | 25838 | BelowCal | 0.007 |
| 11) Endosulfa... | 7.294f | 7.964 | 39073 | 17883 | 0.011 | 0.005 # |
| 12) 4,4'-DDE | 7.294 | 8.040 | 39073 | 34273 | 0.011 | 0.016 # |
| 13) Dieldrin | 7.508 | 8.171 | 11861 | 27898 | 0.003 | 0.007 # |
| 14) Endrin | 7.666 | 8.412 | 16779 | 74319 | 0.005 | 0.025 # |
| 15) 4,4'-DDD | 7.718 | 8.457 | 34950 | 50999 | 0.012 | BelowCal # |
| 16) Endosulfa... | 7.826 | 8.544 | 53040 | 79787 | 0.017 | 0.026 # |
| 17) 4,4'-DDT | 7.927 | 8.665 | 41681 | 78485 | 0.028 | BelowCal # |
| 18) Endrin Al... | 8.116 | 8.782 | 129493 | 166453 | BelowCal | 0.058 |
| 19) Endosulfa... | 8.412 | 8.969 | 89154 | 215809 | 0.030 | 0.073 # |
| 20) Methoxychlor | 8.263 | 9.145 | 164090 | 355210 | 0.013 | 0.139 # |
| 21) Endrin Ke... | 8.613 | 9.366 | 382275 | 408270 | 0.107 | 0.122 |
| 23) Hexachlor... | 0.000 | 3.403f | 0 | 35050 | N.D. | BelowCal |
| 24) Hexachlor... | 5.496 | 6.146 | 598749 | 59865 | 0.005 | BelowCal # |
| 25) Oxychlorane | 6.975 | 7.597 | 31234 | 55542 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.066 | 7.816 | 20856 | 20879 | 0.009 | BelowCal # |
| 27) trans-Non... | 7.234 | 7.907f | 52700 | 21757 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.435 | 8.191 | 18466 | 36785 | BelowCal | 0.018 |
| 29) 2,4'-DDT | 7.589f | 8.412 | 48517 | 74319 | BelowCal | BelowCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 16:25
 Operator : MJB
 Sample : 0G09046-CCB2
 Misc : A20F379
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:44:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

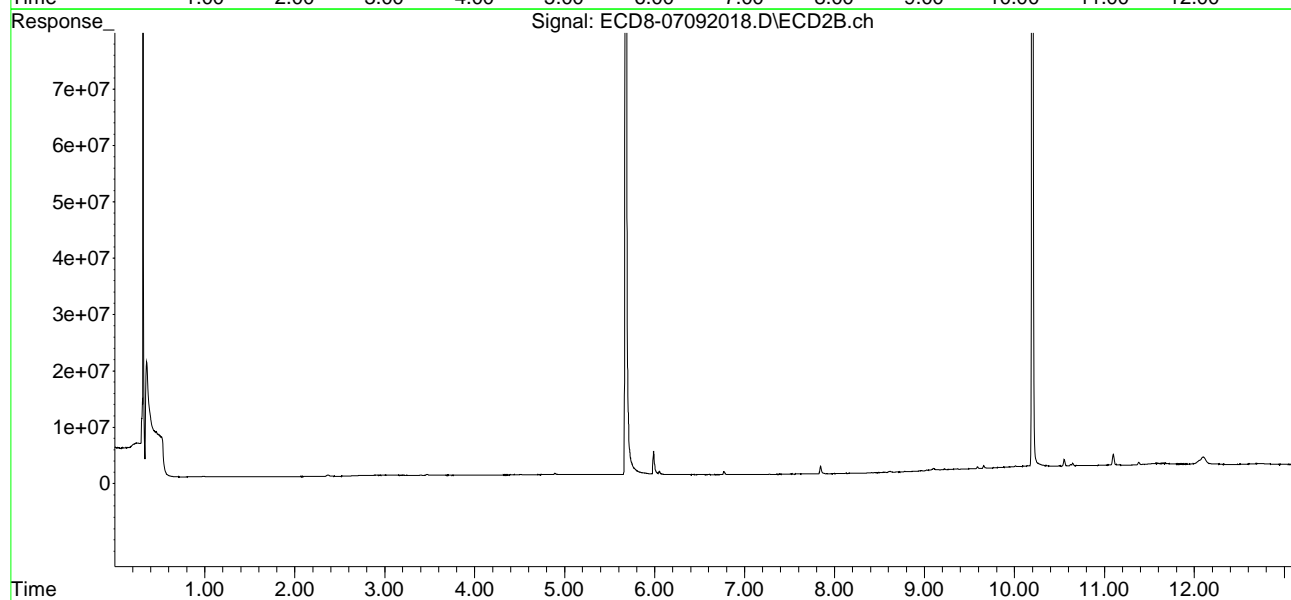
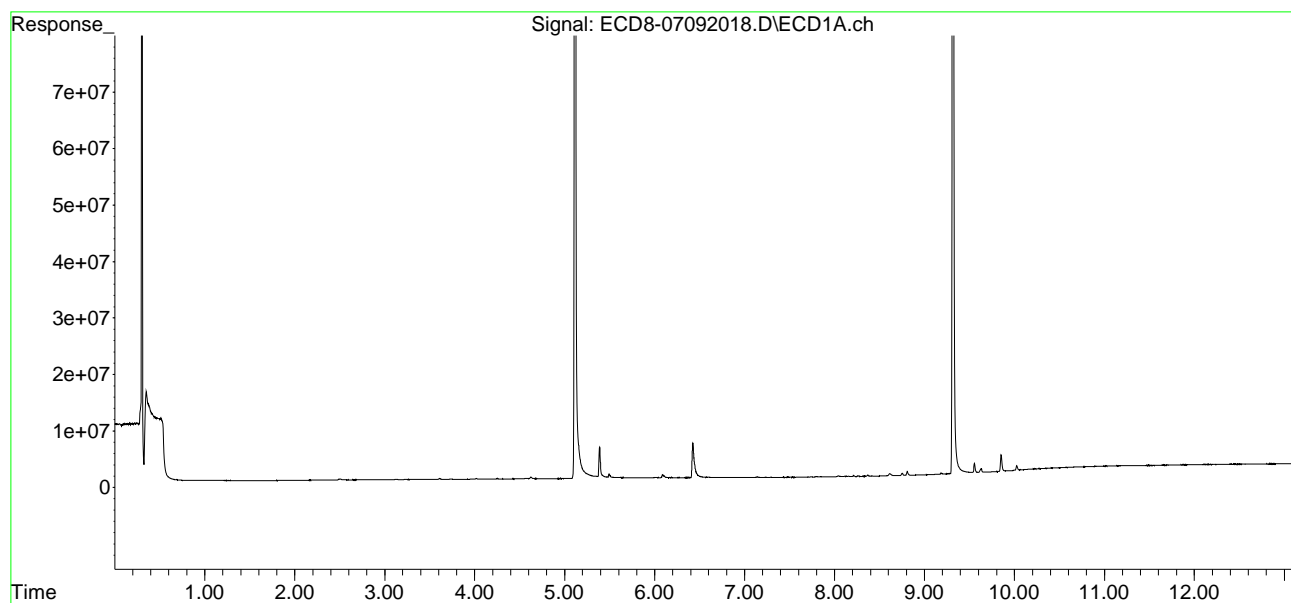
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL | |
|-----|--------------|--------|-------|--------|--------|------------|----------|---|
| 30) | cis-Nonac... | 7.699 | 8.444 | 45010 | 61862 | 0.011 | 0.015 | # |
| 31) | Mirex | 8.370 | 9.347 | 263421 | 373137 | BelowCal | BelowCal | |
| 32) | Chlordane... | 7.234f | 7.907 | 52700 | 21757 | 0.128 | 0.050 | # |
| 33) | Chlordane... | 7.294 | 7.990 | 39073 | 20397 | 0.076 | 0.056 | # |
| 34) | Chlordane... | 7.849 | 8.657 | 76902 | 78620 | 0.595 | 0.659 | |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |
| 36) | Toxaphene... | 7.294 | 8.222 | 39073 | 18221 | BelowCal | 0.555 | |
| 37) | Toxaphene... | 7.589 | 8.580 | 48517 | 51776 | 175390.601 | 1.216 | # |
| 38) | Toxaphene... | 7.849f | 8.616 | 76902 | 223492 | 1.060 | 3.537 | # |
| 39) | Toxaphene... | 8.139 | 8.665 | 95195 | 78485 | BelowCal | BelowCal | |
| 40) | Toxaphene... | 8.370 | 8.873 | 263421 | 134522 | 5.058 | 2.291 | # |
| 41) | Toxaphene... | 8.412 | 9.223 | 89154 | 458616 | 1.208 | 7.138 | # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:25
Operator : MJB
Sample : 0G09046-CCB2
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 16:41
 Operator : MJB
 Sample : A0F0647-01RE3@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:45:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|--------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.117 | 5.678 | 81419985 | 80198102 | 22.324 | 22.591 |
| 22) S DCBP (S) | 9.314 | 10.197 | 78136824 | 76121519 | 27.322 | 32.336 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.657 | 6.280 | 859175 | 1554258 | 0.176 | 0.326 # |
| 3) g-BHC | 5.945 | 6.582 | 734000 | 4656526 | 0.172 | 1.091 # |
| 4) b-BHC | 6.006 | 6.673 | 815495 | 3147887 | 0.452 | 1.722 # |
| 5) Heptachlor | 6.347 | 6.954 | 1945663 | 3259103 | 0.492 | 0.769 # |
| 6) d-BHC | 6.171 | 6.954f | 568299 | 3259103 | 0.200 | 0.912 # |
| 7) Aldrin | 6.562f | 7.221 | 3016033 | 2449741 | 0.699 | 0.611 |
| 8) Heptachlo... | 7.053 | 7.666 | 2001273 | 3356129 | 0.506 | 0.891 # |
| 9) trans-Chl... | 7.118f | 7.812 | 4902114 | 7560370 | 1.218 | 1.980 # |
| 10) cis-Chlor... | 7.248 | 7.940f | 10757875 | 5537167 | 2.759 | 1.486 # |
| 11) Endosulfa... | 7.336 | 7.940f | 1043357 | 5537167 | 0.283 | 1.632 # |
| 12) 4,4'-DDE | 7.299 | 8.038 | 3610844 | 9734373 | 0.985 | 2.937 # P-01 |
| 13) Dieldrin | 7.512 | 8.181 | 1910436 | 7288818 | 0.473 | 1.891 # |
| 14) Endrin | 7.672 | 8.392 | 24997489 | 4122199 | 7.408 | 1.394 # |
| 15) 4,4'-DDD | 7.723 | 8.446 | 20812431 | 20760391 | 7.294 | 7.786 |
| 16) Endosulfa... | 7.829 | 8.533 | 2393578 | 9333184 | 0.787 | 3.087 # |
| 17) 4,4'-DDT | 7.934 | 8.676 | 17469491 | 10283308 | 7.596 | 4.071 # R-02 |
| 18) Endrin Al... | 8.133 | 8.794 | 2325321 | 8741652 | 0.655 | 3.021 # |
| 19) Endosulfa... | 8.412 | 8.980 | 126.2E6 | 27399773 | 42.739 | 9.241 # |
| 20) Methoxychlor | 8.285 | 9.168 | 27658710 | 32304611 | 25.131 | 25.626 |
| 21) Endrin Ke... | 8.601 | 9.361 | 16859417 | 17139009 | 4.727 | 5.103 |
| 23) Hexachlor... | 2.884 | 3.350f | 356509 | 1777901 | BelowCal | 0.236 |
| 24) Hexachlor... | 5.499 | 6.133 | 1246613 | 3685062 | 0.218 | 1.110 # |
| 25) Oxychlorane | 6.943f | 7.590 | 6585831 | 30893068 | 1.894 | 10.275 # |
| 26) 2,4'-DDE | 7.053 | 7.812 | 2001273 | 7560370 | 0.836 | 3.347 # P-01 |
| 27) trans-Non... | 7.248 | 7.863 | 10757875 | 5710889 | 2.854 | 1.499 # |
| 28) 2,4'-DDD | 7.424 | 8.181 | 13061871 | 7288818 | 6.786 | 3.507 # R-02 |
| 29) 2,4'-DDT | 7.597 | 8.411 | 11445113 | 4632348 | 6.112m | 2.334 # R-02 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 16:41
 Operator : MJB
 Sample : A0F0647-01RE3@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:45:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

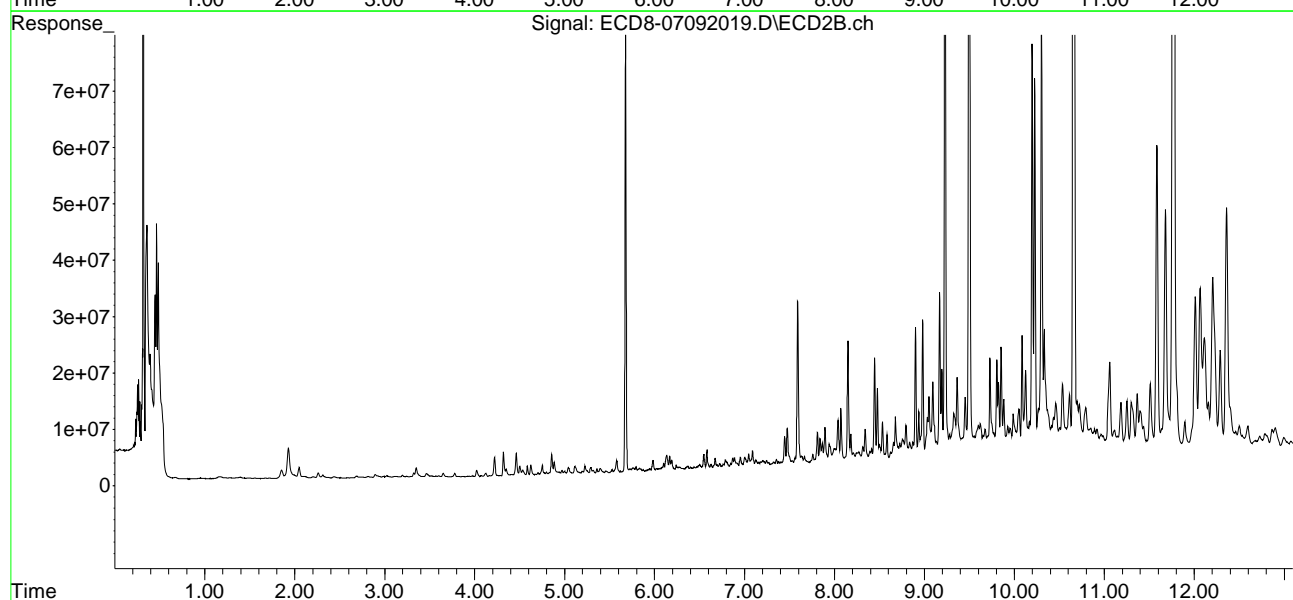
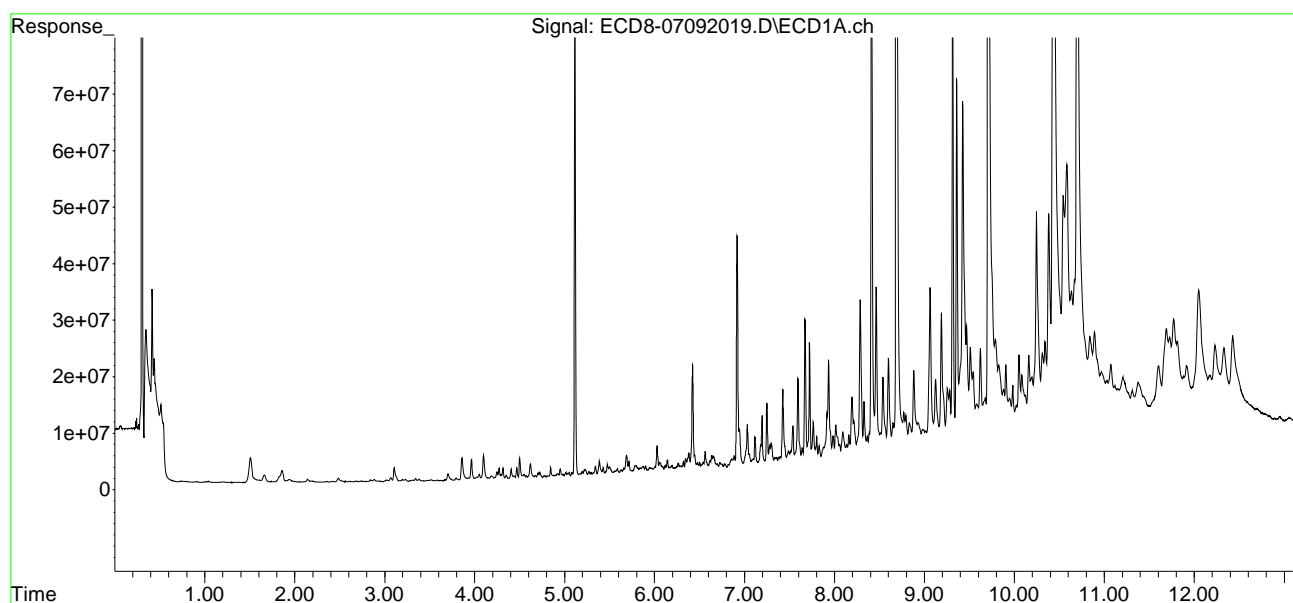
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|-------|----------|----------|----------|------------|
| 30) | cis-Nonac... | 7.723f | 8.446 | 20812431 | 20760391 | 5.061 | 5.194 |
| 31) | Mirex | 8.363 | 9.361 | 3355334 | 17139009 | 1.056 | 7.368 # |
| 32) | Chlordane... | 7.194 | 7.894 | 8620313 | 8523009 | 20.869 | 19.677 |
| 33) | Chlordane... | 7.299 | 7.997 | 3610844 | 4673899 | 7.018 | 12.811 # |
| 34) | Chlordane... | 7.829f | 8.655 | 2393578 | 5670965 | 18.515 | 47.545 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.279 | 8.208 | 3285963 | 3917470 | 203.481 | 119.385 # |
| 37) | Toxaphene... | 7.593 | 8.582 | 14655830 | 7103088 | 463.853 | 166.799 # |
| 38) | Toxaphene... | 7.877 | 8.624 | 2096303 | 3990374 | 28.896 | 63.152 # |
| 39) | Toxaphene... | 8.133 | 8.676 | 2325321 | 10283308 | 28.714 | 94.470 # |
| 40) | Toxaphene... | 8.363 | 8.871 | 3355334 | 5778349 | 64.421 | 98.412 # |
| 41) | Toxaphene... | 8.412 | 9.229 | 126.2E6 | 150.3E6 | 1710.441 | 2340.145 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:41
Operator : MJB
Sample : A0F0647-01RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

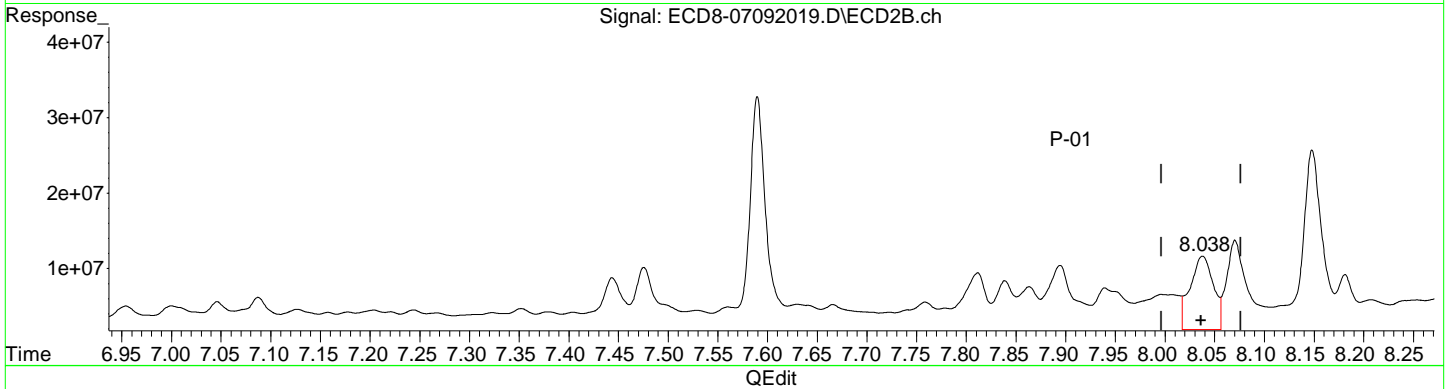
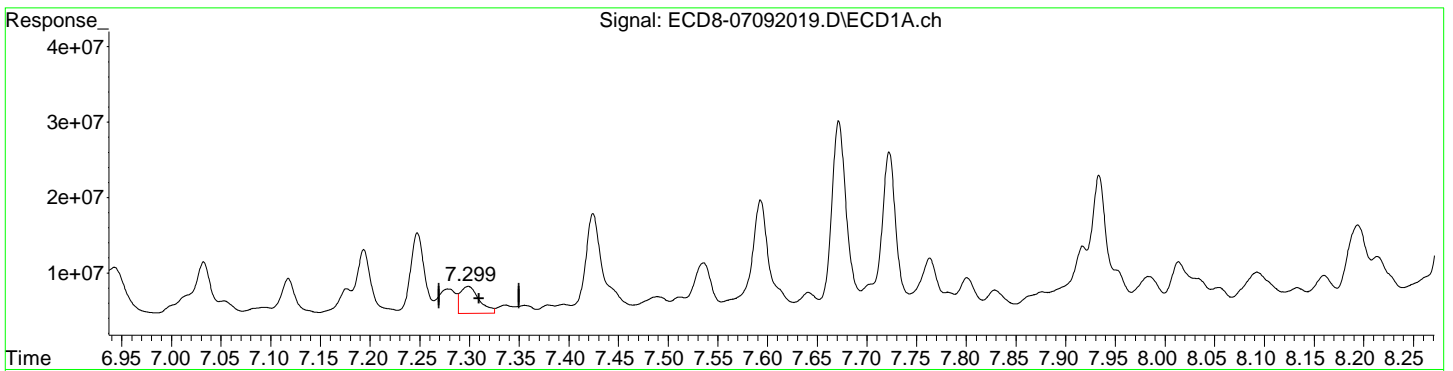
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:45:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:41
Operator : MJB
Sample : A0F0647-01RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:45:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.299min 0.985 ng/mL
response 3610844

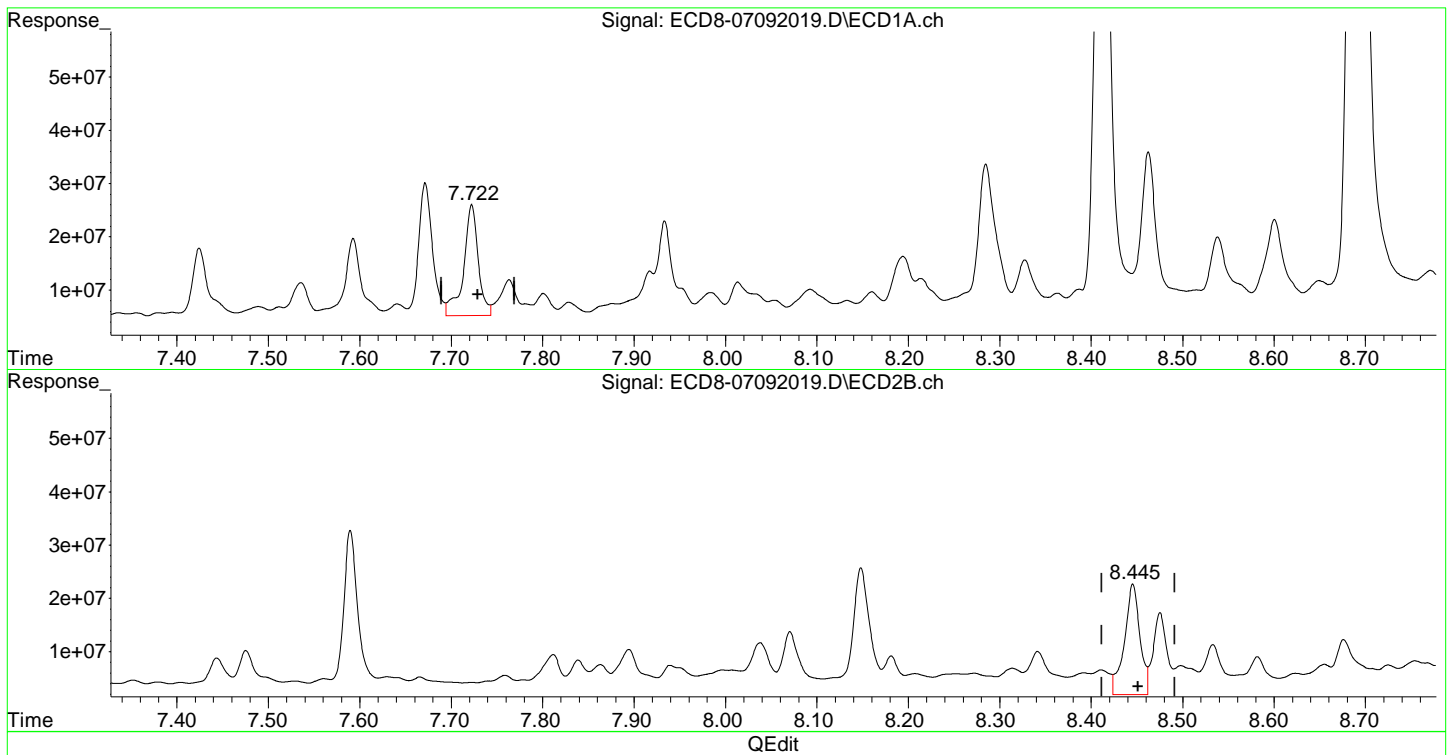
MJB 7/10/20

(12) 4,4'-DDE #2
8.038min 2.937 ng/mL
response 9734373

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:41
Operator : MJB
Sample : A0F0647-01RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:45:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.723min 7.294 ng/mL
response 20812431

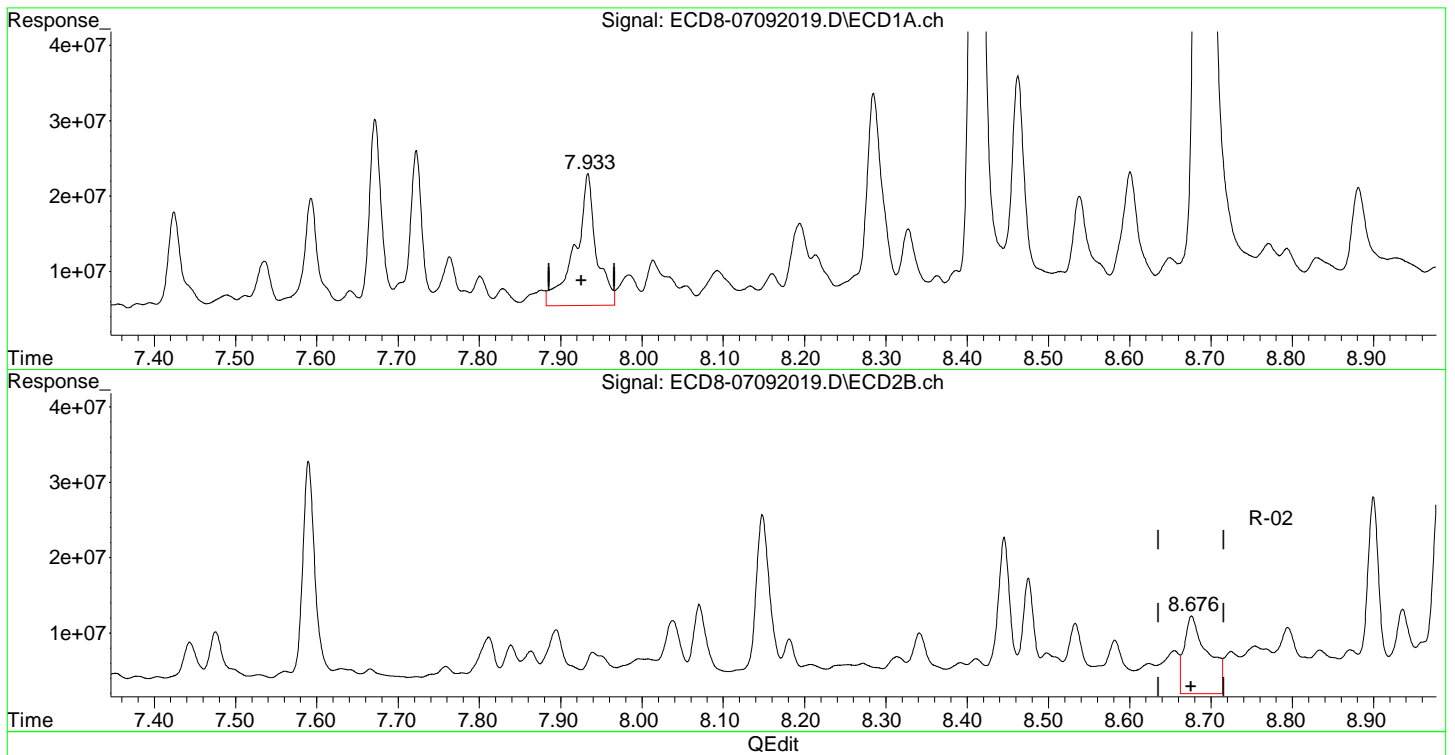
MJB 7/10/20

(15) 4,4'-DDD #2
8.446min 7.786 ng/mL
response 20760391

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:41
Operator : MJB
Sample : A0F0647-01RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:45:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.934min 7.596 ng/mL
response 17469491

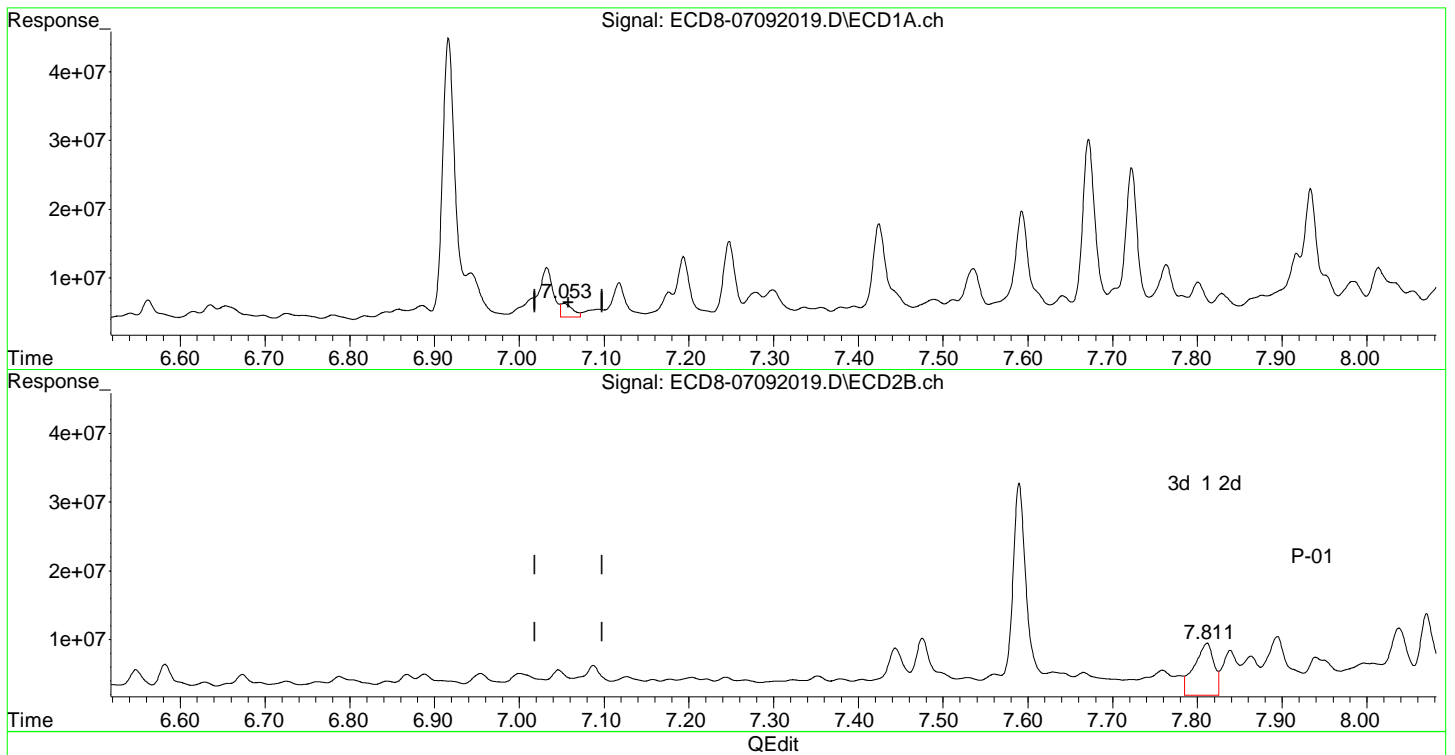
MJB 7/10/20

(17) 4,4'-DDT #2
8.676min 4.071 ng/mL
response 10283308

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:41
Operator : MJB
Sample : A0F0647-01RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:45:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.053min 0.836 ng/mL
response 2001273

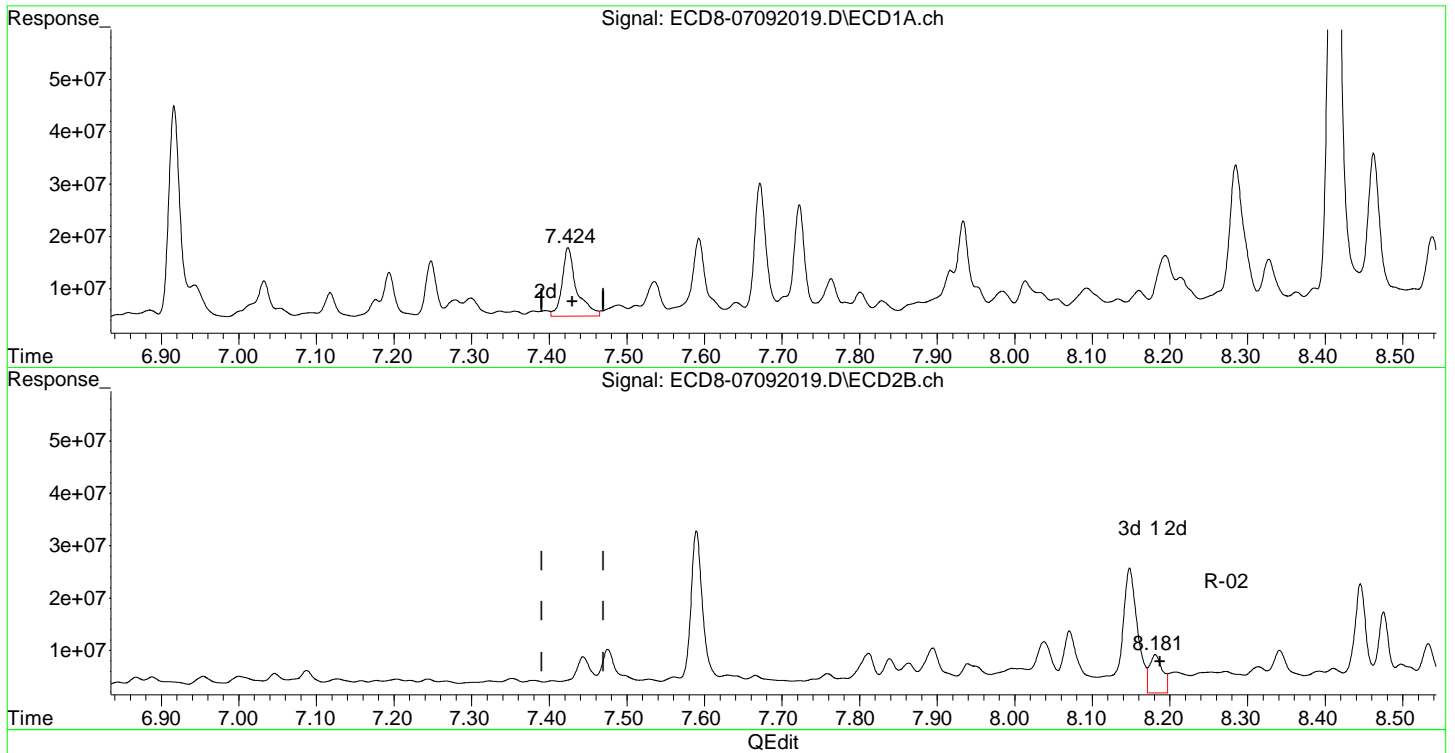
MJB 7/10/20

(26) 2,4'-DDE #2
7.812min 3.347 ng/mL
response 7560370

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:41
Operator : MJB
Sample : A0F0647-01RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:45:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.424min 6.786 ng/mL
response 13061871

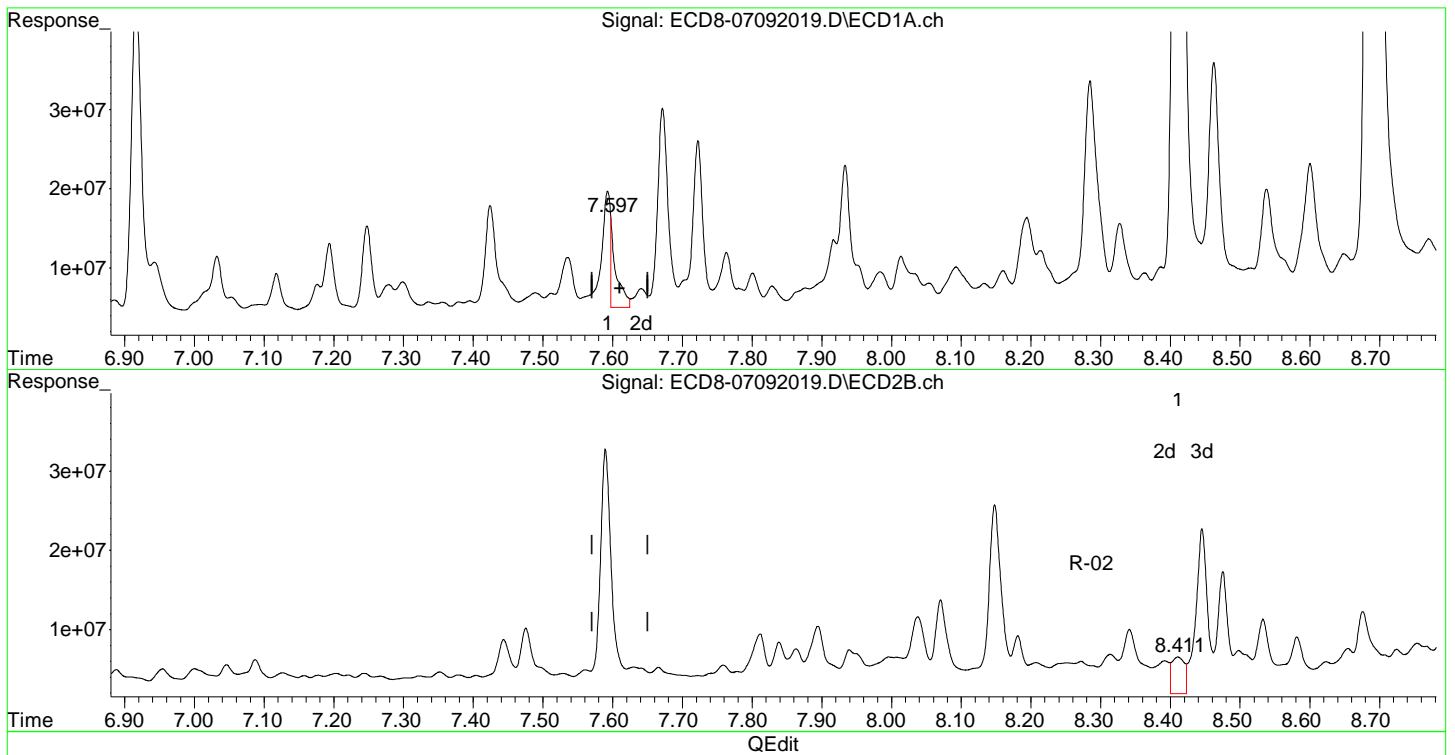
MJB 7/10/20

(28) 2,4'-DDD #2
8.181min 3.507 ng/mL
response 7288818

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:41
Operator : MJB
Sample : A0F0647-01RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:45:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.597min 6.112 ng/mL m
response 11445113

MJB 7/10/20

(29) 2,4'-DDT #2
8.411min 2.334 ng/mL
response 4632348

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 16:41
 Operator : MJB
 Sample : A0F0647-01RE3@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

MI

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:45:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|----------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.117 | 5.678 | 81419985 | 80198102 | 22.324 | 22.591 |
| 22) S DCBP (S) | 9.314 | 10.197 | 78136824 | 76121519 | 27.322 | 32.336 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.657 | 6.280 | 859175 | 1554258 | 0.176 | 0.326 # |
| 3) g-BHC | 5.945 | 6.582 | 734000 | 4656526 | 0.172 | 1.091 # |
| 4) b-BHC | 6.006 | 6.673 | 815495 | 3147887 | 0.452 | 1.722 # |
| 5) Heptachlor | 6.347 | 6.954 | 1945663 | 3259103 | 0.492 | 0.769 # |
| 6) d-BHC | 6.171 | 6.954f | 568299 | 3259103 | 0.200 | 0.912 # |
| 7) Aldrin | 6.562f | 7.221 | 3016033 | 2449741 | 0.699 | 0.611 |
| 8) Heptachlo... | 7.053 | 7.666 | 2001273 | 3356129 | 0.506 | 0.891 # |
| 9) trans-Chl... | 7.118f | 7.812 | 4902114 | 7560370 | 1.218 | 1.980 # |
| 10) cis-Chlor... | 7.248 | 7.940f | 10757875 | 5537167 | 2.759 | 1.486 # |
| 11) Endosulfa... | 7.336 | 7.940f | 1043357 | 5537167 | 0.283 | 1.632 # |
| 12) 4,4'-DDE | 7.299 | 8.038 | 3610844 | 9734373 | 0.985 | 2.937 # |
| 13) Dieldrin | 7.512 | 8.181 | 1910436 | 7288818 | 0.473 | 1.891 # |
| 14) Endrin | 7.672 | 8.392 | 24997489 | 4122199 | 7.408 | 1.394 # |
| 15) 4,4'-DDD | 7.723 | 8.446 | 20812431 | 20760391 | 7.294 | 7.786 |
| 16) Endosulfa... | 7.829 | 8.533 | 2393578 | 9333184 | 0.787 | 3.087 # |
| 17) 4,4'-DDT | 7.934 | 8.676 | 17469491 | 10283308 | 7.596 | 4.071 # |
| 18) Endrin Al... | 8.133 | 8.794 | 2325321 | 8741652 | 0.655 | 3.021 # |
| 19) Endosulfa... | 8.412 | 8.980 | 126.2E6 | 27399773 | 42.739 | 9.241 # |
| 20) Methoxychlor | 8.285 | 9.168 | 27658710 | 32304611 | 25.131 | 25.626 |
| 21) Endrin Ke... | 8.601 | 9.361 | 16859417 | 17139009 | 4.727 | 5.103 |
| 23) Hexachlor... | 2.884 | 3.350f | 356509 | 1777901 | BelowCal | 0.236 |
| 24) Hexachlor... | 5.499 | 6.133 | 1246613 | 3685062 | 0.218 | 1.110 # |
| 25) Oxychlorane | 6.943f | 7.590 | 6585831 | 30893068 | 1.894 | 10.275 # |
| 26) 2,4'-DDE | 7.053 | 7.812 | 2001273 | 7560370 | 0.836 | 3.347 # |
| 27) trans-Non... | 7.248 | 7.863 | 10757875 | 5710889 | 2.854 | 1.499 # |
| 28) 2,4'-DDD | 7.424 | 8.181 | 13061871 | 7288818 | 6.786 | 3.507 # |
| 29) 2,4'-DDT | 7.593 | 8.411 | 14655830 | 4632348 | 7.860 | 2.334 # |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 16:41
 Operator : MJB
 Sample : A0F0647-01RE3@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:45:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

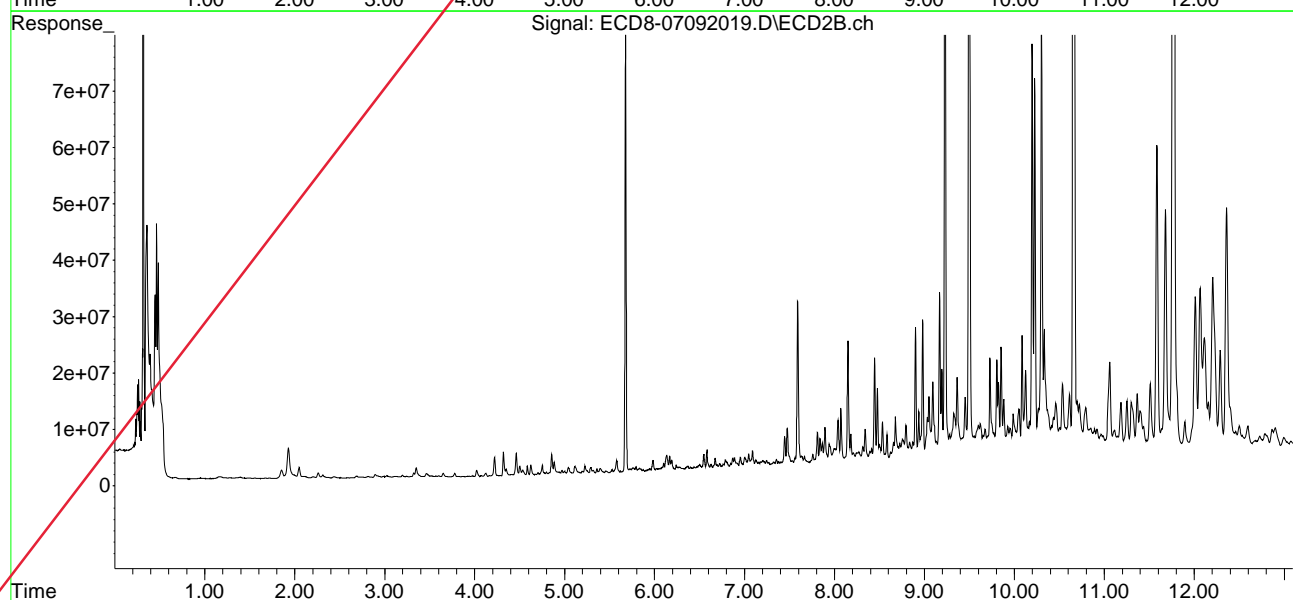
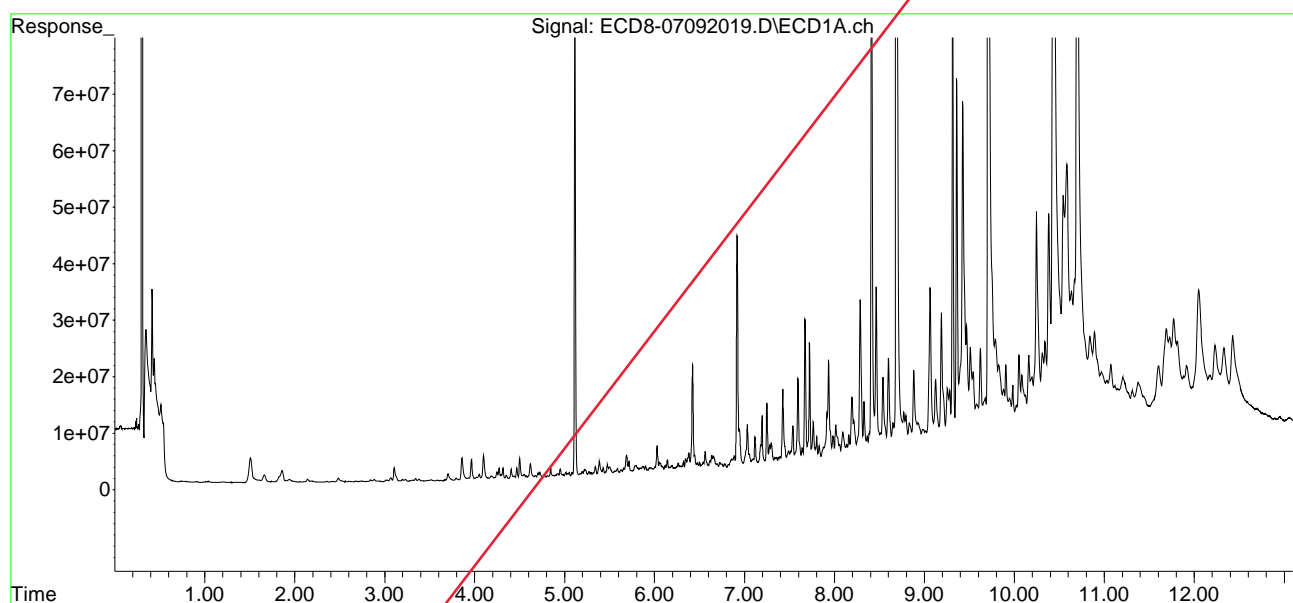
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|-------|----------|----------|----------|------------|
| 30) | cis-Nonac... | 7.723f | 8.446 | 20812431 | 20760391 | 5.061 | 5.194 |
| 31) | Mirex | 8.363 | 9.361 | 3355334 | 17139009 | 1.056 | 7.368 # |
| 32) | Chlordane... | 7.194 | 7.894 | 8620313 | 8523009 | 20.869 | 19.677 |
| 33) | Chlordane... | 7.299 | 7.997 | 3610844 | 4673899 | 7.018 | 12.811 # |
| 34) | Chlordane... | 7.829f | 8.655 | 2393578 | 5670965 | 18.515 | 47.545 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.279 | 8.208 | 3285963 | 3917470 | 203.481 | 119.385 # |
| 37) | Toxaphene... | 7.593 | 8.582 | 14655830 | 7103088 | 463.853 | 166.799 # |
| 38) | Toxaphene... | 7.877 | 8.624 | 2096303 | 3990374 | 28.896 | 63.152 # |
| 39) | Toxaphene... | 8.133 | 8.676 | 2325321 | 10283308 | 28.714 | 94.470 # |
| 40) | Toxaphene... | 8.363 | 8.871 | 3355334 | 5778349 | 64.421 | 98.412 # |
| 41) | Toxaphene... | 8.412 | 9.229 | 126.2E6 | 150.3E6 | 1710.441 | 2340.145 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:41
Operator : MJB
Sample : A0F0647-01RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:45:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 17:18
 Operator : MJB
 Sample : 0070206-DUP1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:49:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL | |
|-----------------------------|--------|--------|----------|----------|--------|------------------|--------|
| ----- | | | | | | | |
| System Monitoring Compounds | | | | | | | |
| 1) S TCMX (S) | 5.117 | 5.679 | 83757851 | 76034516 | 22.965 | 21.418 | |
| 22) S DCBP (S) | 9.313 | 10.196 | 89020076 | 82143616 | 31.132 | 34.834 | |
| Target Compounds | | | | | | | |
| 2) a-BHC | 5.657 | 6.282 | 4113543 | 1221086 | 0.844 | 0.256 | # |
| 3) g-BHC | 5.944 | 6.582 | 4497990 | 4286297 | 1.053 | 1.004 | |
| 4) b-BHC | 6.026 | 6.672 | 8372761 | 2503180 | 4.644 | 1.369 | # |
| 5) Heptachlor | 6.347 | 6.953 | 6429177 | 3472166 | 1.626 | 0.819 | # |
| 6) d-BHC | 6.173 | 6.953f | 4599930 | 3472166 | 1.379 | 0.970 | # |
| 7) Aldrin | 6.563f | 7.243 | 7502273 | 2724604 | 1.740 | 0.679 | # |
| 8) Heptachlo... | 7.052 | 7.665 | 7317130 | 2799882 | 1.851 | 0.744 | # |
| 9) trans-Chl... | 7.115f | 7.809 | 9241725 | 6426748 | 2.297 | 1.683 | # |
| 10) cis-Chlor... | 7.246 | 7.939 | 15718666 | 7463853 | 4.123 | 2.003 | # |
| 11) Endosulfa... | 7.336 | 7.939f | 6757242 | 7463853 | 1.836 | 2.200 | |
| 12) 4,4'-DDE | 7.300 | 8.037 | 5881547 | 10478705 | 1.605m | MDL=MR3 1.160 | # P-01 |
| 13) Dieldrin | 7.489 | 8.181 | 8698171 | 6542343 | 2.155 | 1.697 | |
| 14) Endrin | 7.669 | 8.392 | 31215930 | 3643873 | 9.250 | 1.233 | # |
| 15) 4,4'-DDD | 7.721 | 8.445 | 20113626 | 16348195 | 7.049m | 6.147 | |
| 16) Endosulfa... | 7.829 | 8.532 | 8412467 | 8618418 | 2.765 | 2.850 | |
| 17) 4,4'-DDT | 7.932 | 8.676 | 16176518 | 9292838 | 7.041m | 3.678 | # R-02 |
| 18) Endrin Al... | 8.132 | 8.793 | 9541230 | 7503813 | 3.301 | 2.593 | |
| 19) Endosulfa... | 8.410 | 8.979 | 90381399 | 19373465 | 30.603 | 6.534 | # |
| 20) Methoxychlor | 8.283 | 9.166 | 27061726 | 23559069 | 24.606 | 18.860 | |
| 21) Endrin Ke... | 8.600 | 9.360 | 23674478 | 13567829 | 6.638 | 4.039 | # |
| 23) Hexachlor... | 2.885 | 3.386 | 1046187 | 497282 | 0.088 | BelowCal | # |
| 24) Hexachlor... | 5.497 | 6.133 | 4406123 | 3695743 | 1.255 | 1.114 | |
| 25) Oxychlorane | 6.940f | 7.590 | 11928159 | 27452057 | 3.586 | 9.114 | # |
| 26) 2,4'-DDE | 7.043 | 7.809 | 5051832 | 6426748 | 2.111m | R-02 2.810 | # P-01 |
| 27) trans-Non... | 7.246 | 7.863 | 15718666 | 4895029 | 4.299 | 1.248 | # |
| 28) 2,4'-DDD | 7.423 | 8.181 | 13795027 | 6542343 | 7.176m | 3.148 | # R-02 |
| 29) 2,4'-DDT | 7.593 | 8.411 | 13816606 | 4135497 | 7.404m | 2.067 | # R-02 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 17:18
 Operator : MJB
 Sample : 0070206-DUP1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:49:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

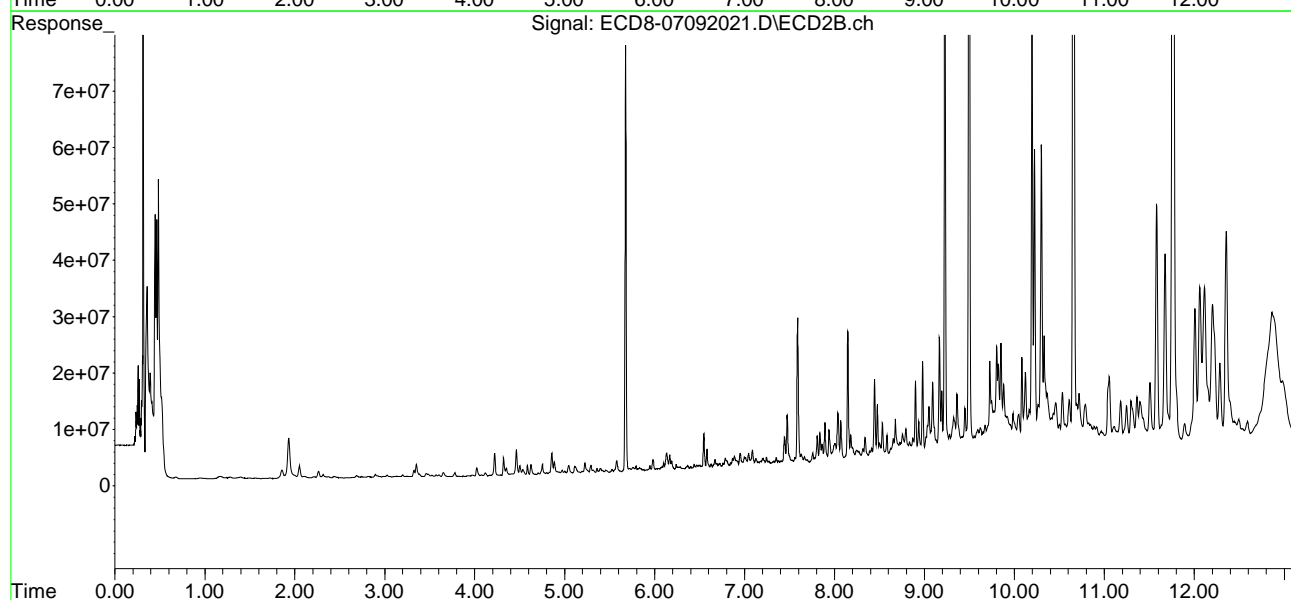
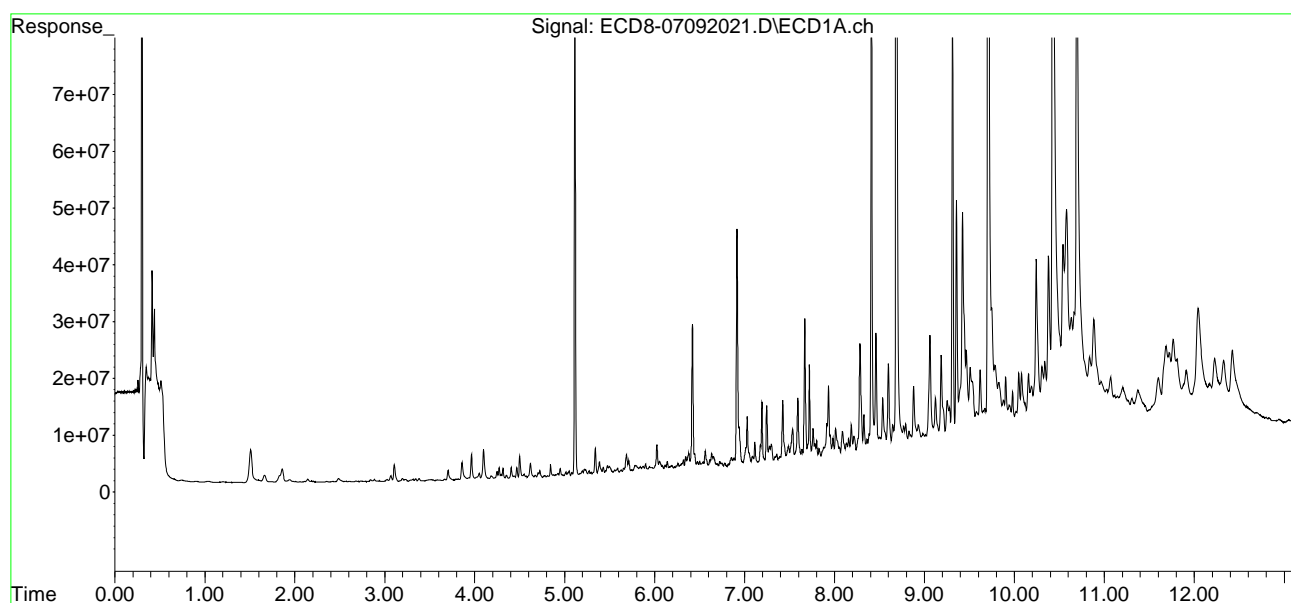
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL | |
|-----|--------------|--------|-------|----------|----------|----------|----------|---|
| 30) | cis-Nonac... | 7.721f | 8.445 | 23133161 | 16348195 | 5.626 | 4.090 | # |
| 31) | Mirex | 8.362 | 9.360 | 10256657 | 13567829 | 3.891 | 5.777 | # |
| 32) | Chlordane... | 7.193 | 7.894 | 16361547 | 8758181 | 39.610 | 20.220 | # |
| 33) | Chlordane... | 7.300 | 8.006 | 8957237 | 5033999 | 17.410 | 13.798 | |
| 34) | Chlordane... | 7.829f | 8.652 | 8412467 | 5745741 | 65.073 | 48.172 | # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |
| 36) | Toxaphene... | 7.275 | 8.244 | 8601373 | 3811616 | 535.516 | 116.159 | # |
| 37) | Toxaphene... | 7.592 | 8.581 | 17219775 | 6397590 | 545.909 | 150.232 | # |
| 38) | Toxaphene... | 7.879 | 8.624 | 8653009 | 4032944 | 119.276 | 63.826 | # |
| 39) | Toxaphene... | 8.132 | 8.676 | 9541230 | 9292838 | 146.228 | 83.740 | # |
| 40) | Toxaphene... | 8.362 | 8.852 | 10256657 | 4533152 | 196.925 | 77.205 | # |
| 41) | Toxaphene... | 8.410 | 9.227 | 90381399 | 96886866 | 1224.740 | 1508.067 | |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:18
Operator : MJB
Sample : 0070206-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

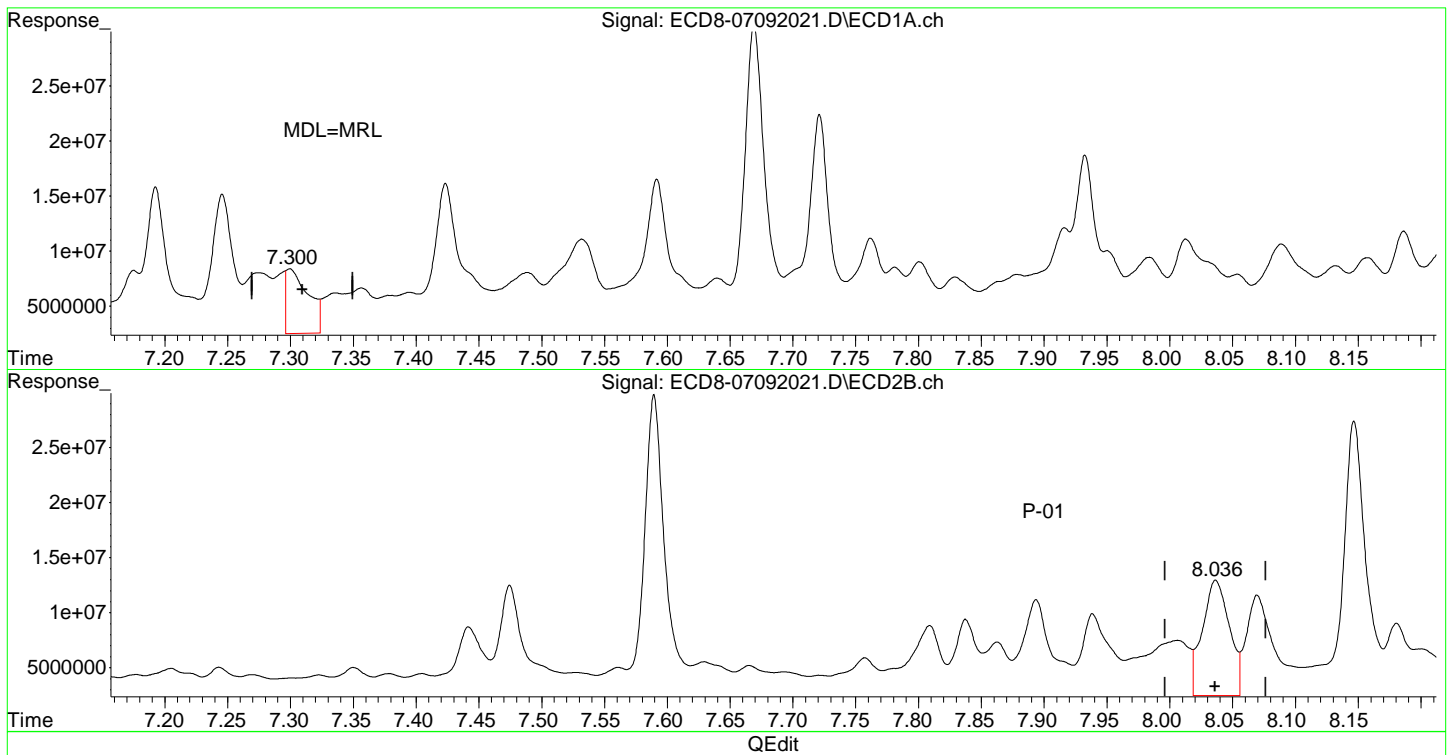
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:49:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:18
Operator : MJB
Sample : 0070206-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:49:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.300min 1.605 ng/mL m
response 5881547

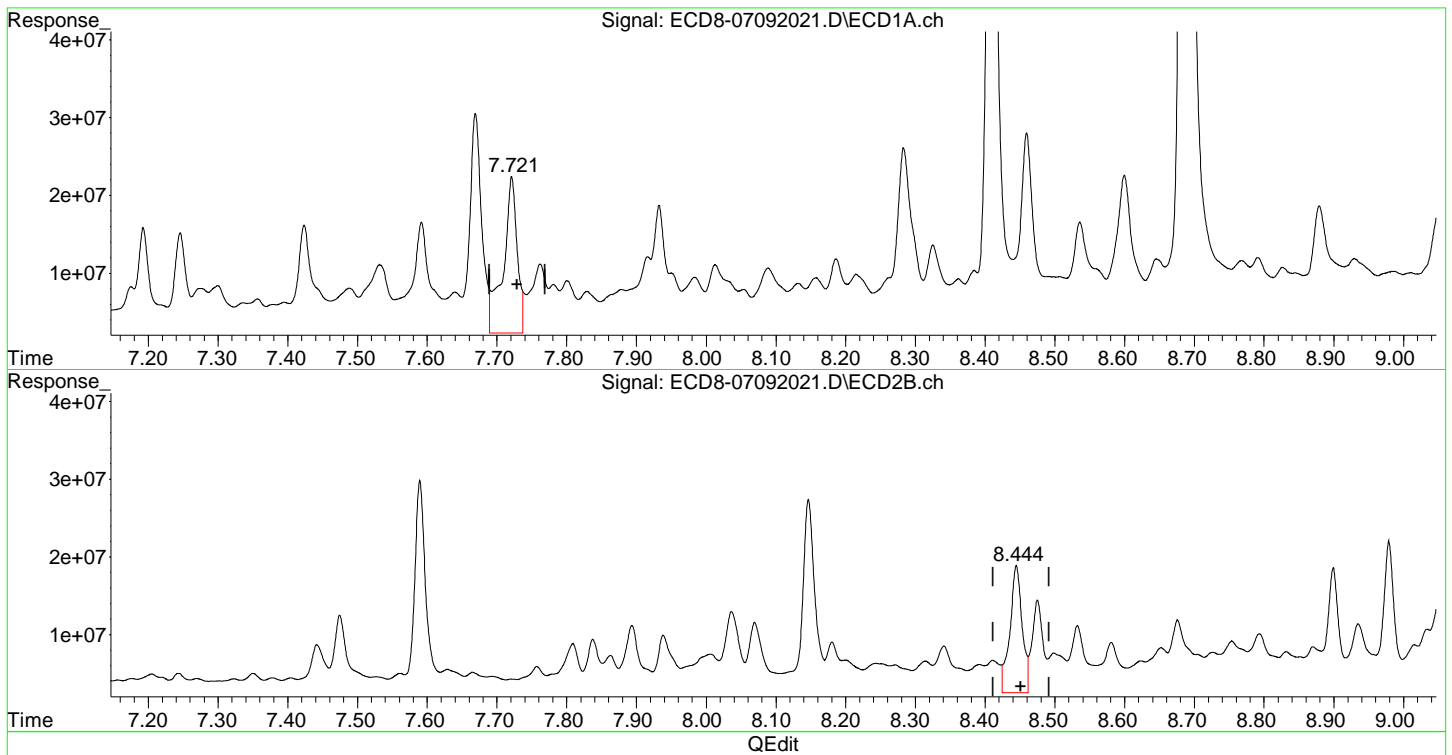
MJB 7/10/20

(12) 4,4'-DDE #2
8.037min 3.160 ng/mL
response 10478705

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:18
Operator : MJB
Sample : 0070206-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:49:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.721min 7.049 ng/mL m
response 20113626

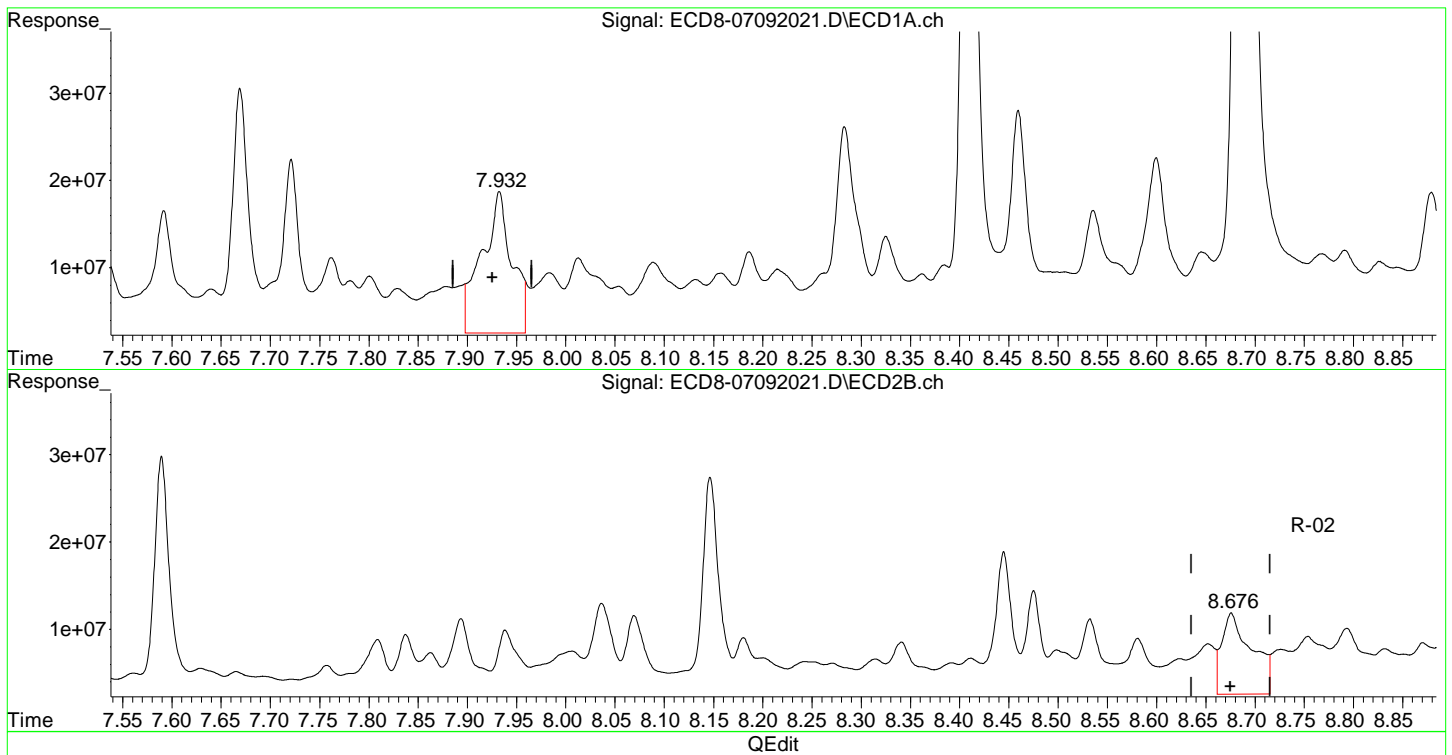
MJB 7/10/20

(15) 4,4'-DDD #2
8.445min 6.147 ng/mL
response 16348195

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:18
Operator : MJB
Sample : 0070206-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:49:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.932min 7.041 ng/mL m
response 16176518

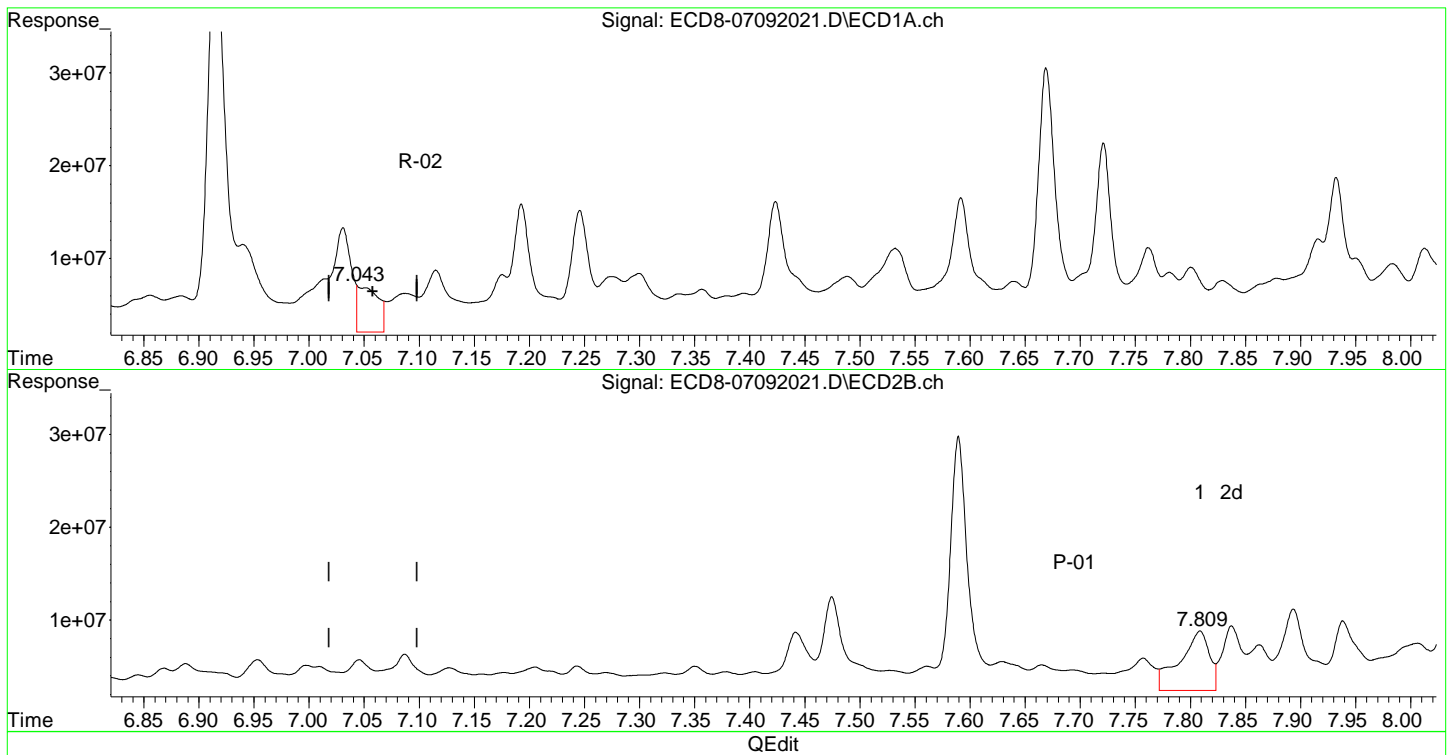
MJB 7/10/20

(17) 4,4'-DDT #2
8.676min 3.678 ng/mL
response 9292838

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:18
Operator : MJB
Sample : 0070206-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:49:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.043min 2.111 ng/mL m
response 5051832

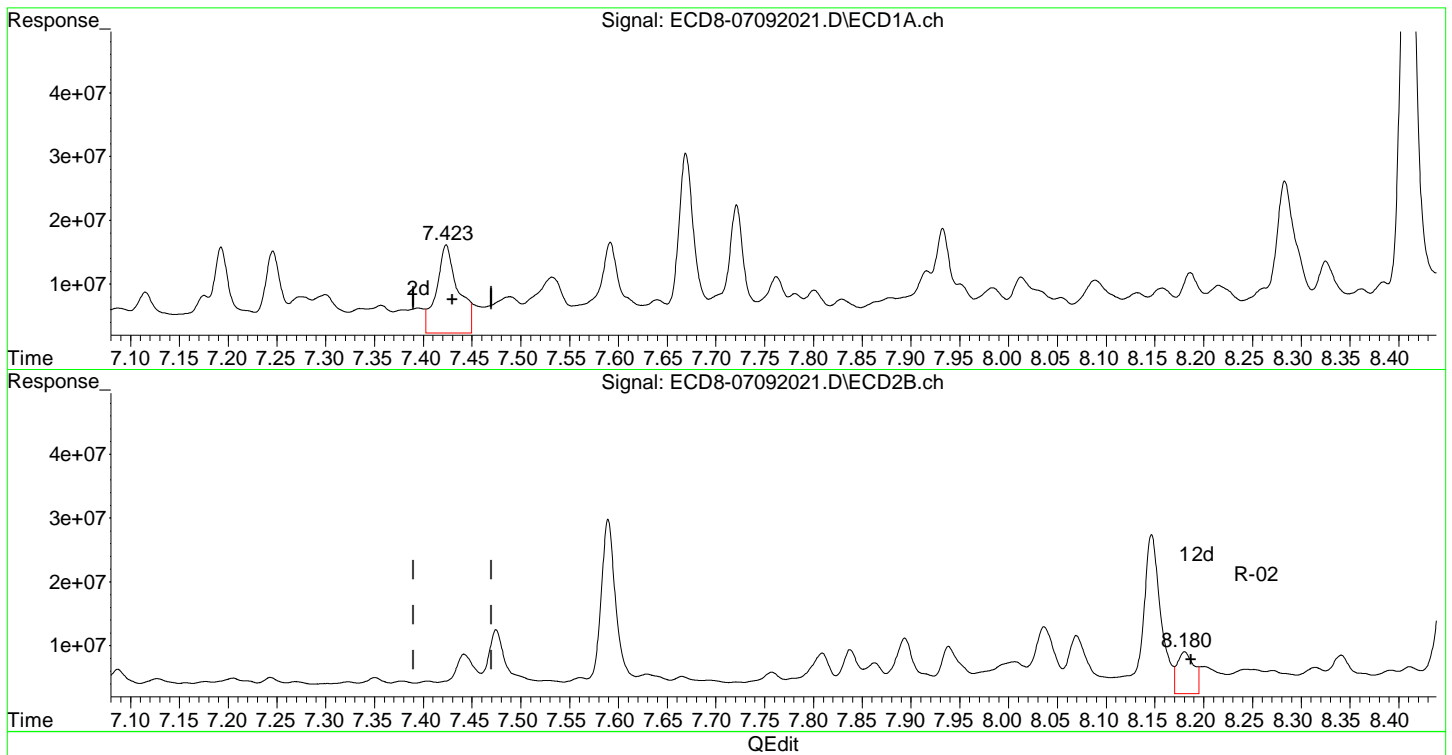
MJB 7/10/20

(26) 2,4'-DDE #2
7.809min 2.810 ng/mL
response 6426748

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:18
Operator : MJB
Sample : 0070206-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:49:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.423min 7.176 ng/mL m
response 13795027

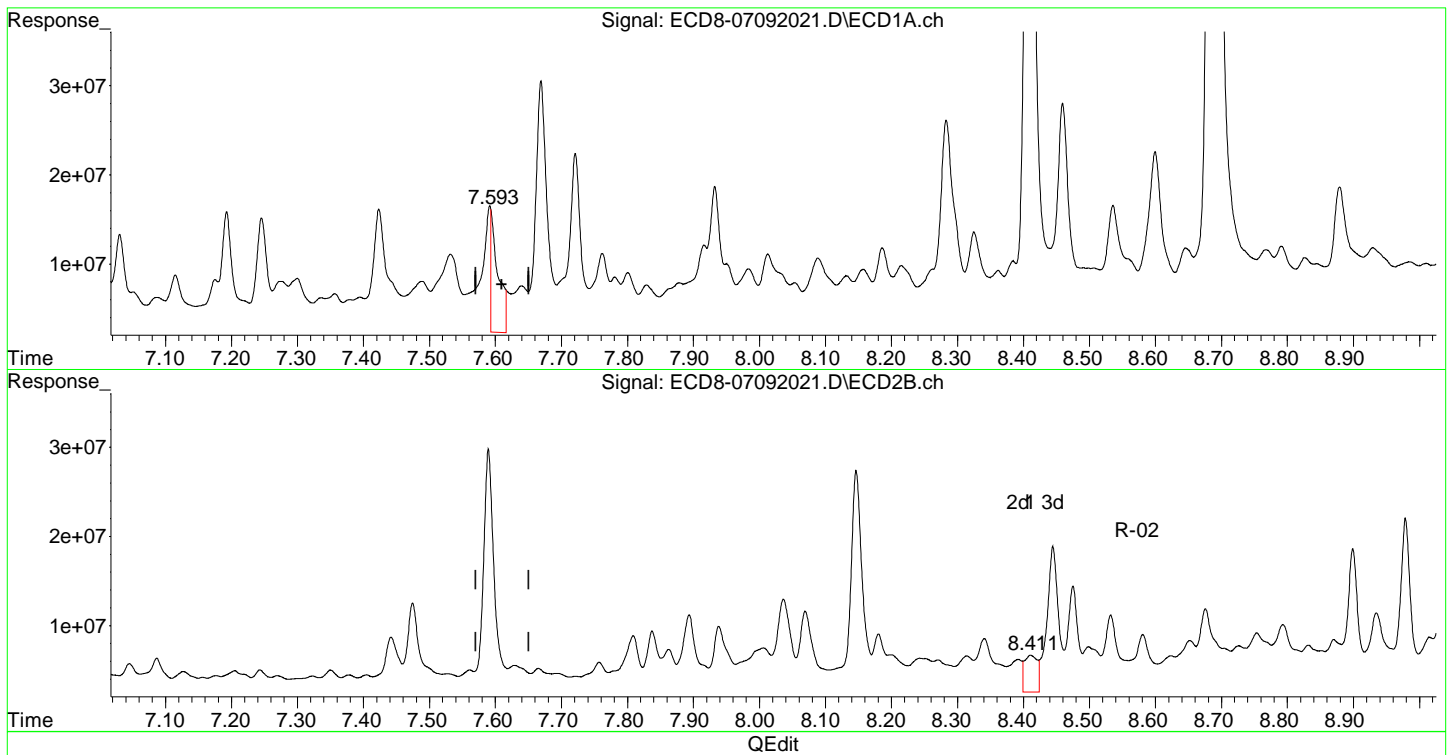
MJB 7/10/20

(28) 2,4'-DDD #2
8.181min 3.148 ng/mL
response 6542343

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:18
Operator : MJB
Sample : 0070206-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:49:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.593min 7.404 ng/mL m
response 13816606

MJB 7/10/20

(29) 2,4'-DDT #2
8.411min 2.067 ng/mL
response 4135497

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 17:18
 Operator : MJB
 Sample : 0070206-DUP1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

MI

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:49:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|--------|------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.117 | 5.679 | 83757851 | 76034516 | 22.965 | 21.418 |
| 22) S DCBP (S) | 9.313 | 10.196 | 89020076 | 82143616 | 31.132 | 34.834 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.657 | 6.282 | 4113543 | 1221086 | 0.844 | 0.256 # |
| 3) g-BHC | 5.944 | 6.582 | 4497990 | 4286297 | 1.053 | 1.004 |
| 4) b-BHC | 6.026 | 6.672 | 8372761 | 2503180 | 4.644 | 1.369 # |
| 5) Heptachlor | 6.347 | 6.953 | 6429177 | 3472166 | 1.626 | 0.819 # |
| 6) d-BHC | 6.173 | 6.953f | 4599930 | 3472166 | 1.379 | 0.970 # |
| 7) Aldrin | 6.563f | 7.243 | 7502273 | 2724604 | 1.740 | 0.679 # |
| 8) Heptachlo... | 7.052 | 7.665 | 7317130 | 2799882 | 1.851 | 0.744 # |
| 9) trans-Chl... | 7.115f | 7.809 | 9241725 | 6426748 | 2.297 | 1.683 # |
| 10) cis-Chlor... | 7.246 | 7.939 | 15718666 | 7463853 | 4.123 | 2.003 # |
| 11) Endosulfa... | 7.336 | 7.939f | 6757242 | 7463853 | 1.836 | 2.200 |
| 12) 4,4'-DDE | 7.300 | 8.037 | 8957237 | 10478705 | 2.444 | 3.160 # |
| 13) Dieldrin | 7.489 | 8.181 | 8698171 | 6542343 | 2.155 | 1.697 |
| 14) Endrin | 7.669 | 8.392 | 31215930 | 3643873 | 9.250 | 1.233 # |
| 15) 4,4'-DDD | 7.721 | 8.445 | 23133161 | 16348195 | 8.108 | 6.147 |
| 16) Endosulfa... | 7.829 | 8.532 | 8412467 | 8618418 | 2.765 | 2.850 |
| 17) 4,4'-DDT | 7.933 | 8.676 | 19530325 | 9292838 | 8.479 | 3.678 # |
| 18) Endrin Al... | 8.132 | 8.793 | 9541230 | 7503813 | 3.301 | 2.593 |
| 19) Endosulfa... | 8.410 | 8.979 | 90381399 | 19373465 | 30.603 | 6.534 # |
| 20) Methoxychlor | 8.283 | 9.166 | 27061726 | 23559069 | 24.606 | 18.860 |
| 21) Endrin Ke... | 8.600 | 9.360 | 23674478 | 13567829 | 6.638 | 4.039 # |
| 23) Hexachlor... | 2.885 | 3.386 | 1046187 | 497282 | 0.088 | BelowCal # |
| 24) Hexachlor... | 5.497 | 6.133 | 4406123 | 3695743 | 1.255 | 1.114 |
| 25) Oxychlorane | 6.940f | 7.590 | 11928159 | 27452057 | 3.586 | 9.114 # |
| 26) 2,4'-DDE | 7.052 | 7.809 | 7317130 | 6426748 | 3.057 | 2.810 |
| 27) trans-Non... | 7.246 | 7.863 | 15718666 | 4895029 | 4.299 | 1.248 # |
| 28) 2,4'-DDD | 7.424 | 8.181 | 16771684 | 6542343 | 8.757 | 3.148 # |
| 29) 2,4'-DDT | 7.592 | 8.411 | 17219775 | 4135497 | 9.251 | 2.067 # |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 17:18
 Operator : MJB
 Sample : 0070206-DUP1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:49:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

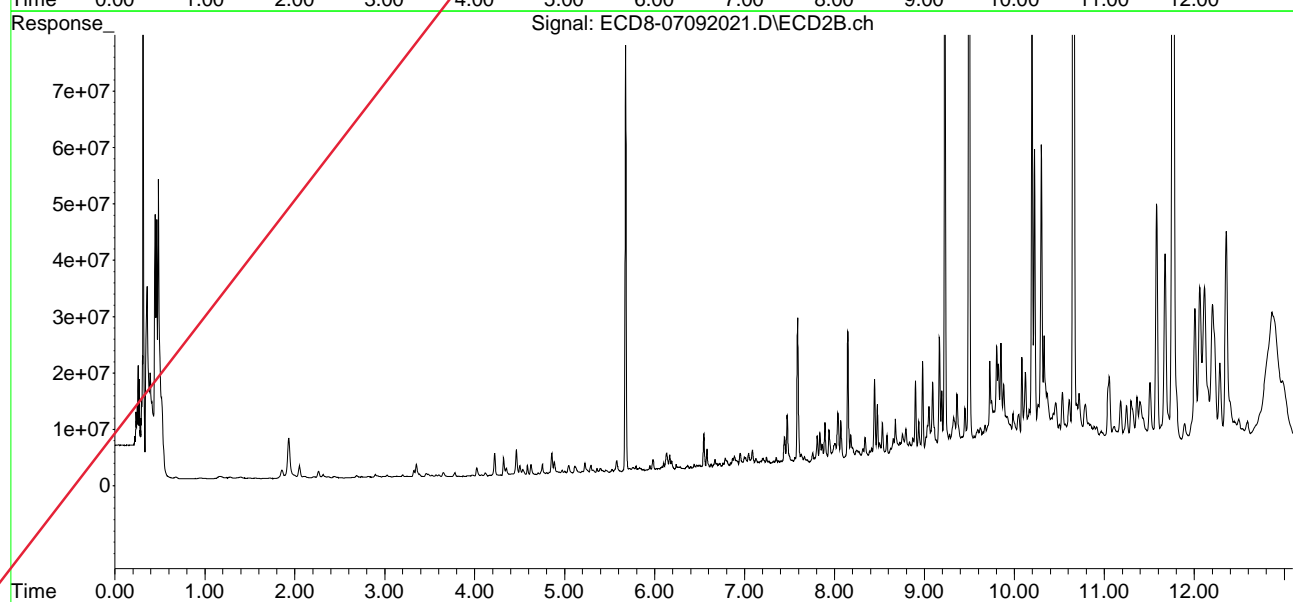
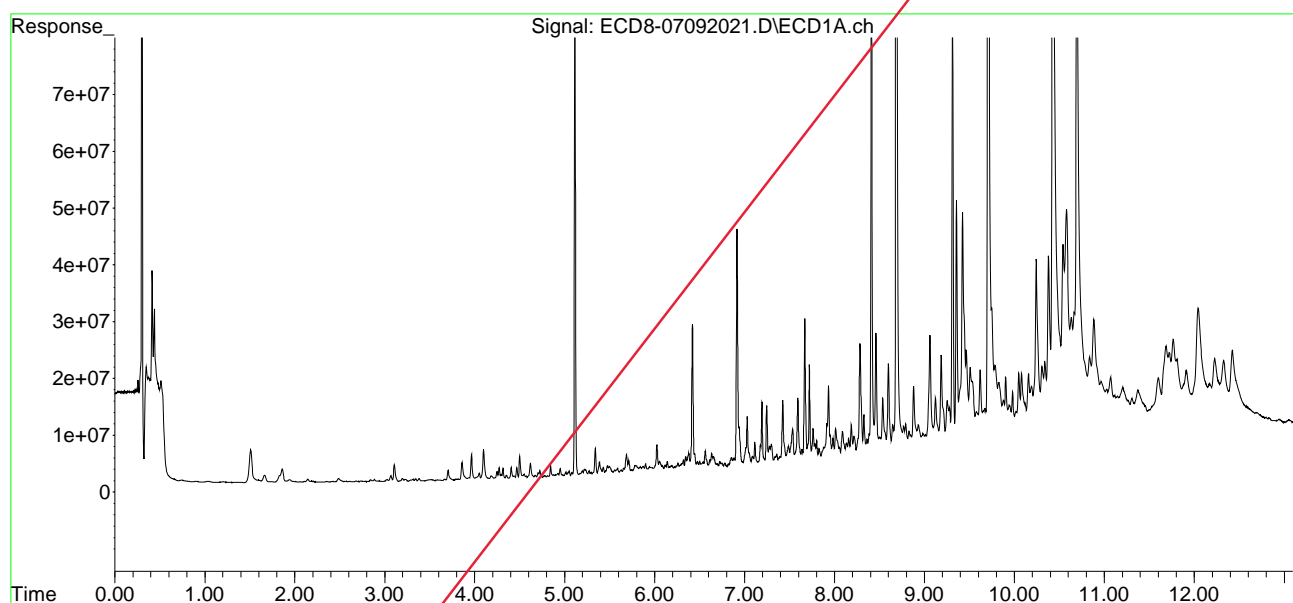
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|-------|----------|----------|----------|-----------|
| 30) | cis-Nonac... | 7.721f | 8.445 | 23133161 | 16348195 | 5.626 | 4.090 # |
| 31) | Mirex | 8.362 | 9.360 | 10256657 | 13567829 | 3.891 | 5.777 # |
| 32) | Chlordane... | 7.193 | 7.894 | 16361547 | 8758181 | 39.610 | 20.220 # |
| 33) | Chlordane... | 7.300 | 8.006 | 8957237 | 5033999 | 17.410 | 13.798 |
| 34) | Chlordane... | 7.829f | 8.652 | 8412467 | 5745741 | 65.073 | 48.172 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.275 | 8.244 | 8601373 | 3811616 | 535.516 | 116.159 # |
| 37) | Toxaphene... | 7.592 | 8.581 | 17219775 | 6397590 | 545.909 | 150.232 # |
| 38) | Toxaphene... | 7.879 | 8.624 | 8653009 | 4032944 | 119.276 | 63.826 # |
| 39) | Toxaphene... | 8.132 | 8.676 | 9541230 | 9292838 | 146.228 | 83.740 # |
| 40) | Toxaphene... | 8.362 | 8.852 | 10256657 | 4533152 | 196.925 | 77.205 # |
| 41) | Toxaphene... | 8.410 | 9.227 | 90381399 | 96886866 | 1224.740 | 1508.067 |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:18
Operator : MJB
Sample : 0070206-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:49:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 17:55
 Operator : MJB
 Sample : A0F0647-02RE3@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e MJB 7/10/20
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:55:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|-----------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.115 | 5.677 | 69174152 | 67919078 | 18.966 | 19.132 |
| 22) S DCBP (S) | 9.310 | 10.195 | 80919288 | 71965824 | 28.297 | 30.607 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.656 | 6.280 | 893009 | 101627 | 0.183 | 0.021 # |
| 3) g-BHC | 5.942 | 6.583 | 321038 | 510578 | 0.075 | 0.120 # |
| 4) b-BHC | 6.005 | 6.673 | 511239 | 511426 | 0.284 | 0.280 |
| 5) Heptachlor | 6.346 | 6.957 | 554261 | 359667 | 0.140 | 0.085 # |
| 6) d-BHC | 6.178 | 6.889f | 259019 | 1052391 | 0.109 | 0.319 # |
| 7) Aldrin | 6.564 | 7.221 | 1181874 | 231521 | 0.274 | 0.058 # |
| 8) Heptachlo... | 7.036 | 7.665 | 1392102 | 274460 | 0.352 | 0.073 # |
| 9) trans-Chl... | 7.111f | 7.805 | 996548 | 1742473 | 0.248 | 0.456 # |
| 10) cis-Chlor... | 7.247 | 7.896f | 2047971 | 1171644 | 0.358 | 0.314 |
| 11) Endosulfa... | 7.334 | 7.950 | 543966 | 1499586 | 0.148 | 0.442 # |
| 12) 4,4'-DDE | 7.287f | 8.040 | 1249444 | 1035625 | 0.341m | 0.319 |
| 13) Dieldrin | 7.490 | 8.178 | 660651 | 1315921 | 0.164 | 0.341 # |
| 14) Endrin | 7.670 | 8.396 | 5380389 | 191619 | 1.594 | 0.065 # |
| 15) 4,4'-DDD | 7.720 | 8.443 | 4230063 | 3570670 | 1.483 | 1.338 |
| 16) Endosulfa... | 7.827 | 8.532 | 643869 | 2092257 | 0.212 | 0.692 # |
| 17) 4,4'-DDT | 7.931 | 8.675 | 5366980 | 2712430 | 2.361 | 1.053 # MDL=MRL |
| 18) Endrin Al... | 8.130 | 8.792 | 477080 | 1881222 | BelowCal | 0.650 |
| 19) Endosulfa... | 8.407 | 8.978 | 34260588 | 6190375 | 11.601 | 2.088 # |
| 20) Methoxychlor | 8.281 | 9.164 | 7274001 | 7986671 | 6.706 | 6.428 |
| 21) Endrin Ke... | 8.599 | 9.359 | 18129200 | 4646119 | 5.083 | 1.383 # |
| 23) Hexachlor... | 2.885 | 3.352f | 298582 | 2689784 | BelowCal | 0.448 |
| 24) Hexachlor... | 5.494 | 6.137 | 423982 | 640897 | BelowCal | 0.031 |
| 25) Oxychlorane | 0.000 | 7.589 | 0 | 7956122 | N.D. | 2.502 # |
| 26) 2,4'-DDE | 7.036f | 7.805 | 1392102 | 1742473 | 0.582 | 0.580 |
| 27) trans-Non... | 7.247 | 7.861 | 2047971 | 870066 | 0.311 | 0.011 # |
| 28) 2,4'-DDD | 7.423 | 8.178 | 3302953 | 1315921 | 1.573 | 0.633 # |
| 29) 2,4'-DDT | 7.599 | 8.406 | 1878588 | 189569 | 0.862m | BelowCal # |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 17:55
 Operator : MJB
 Sample : A0F0647-02RE3@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:55:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

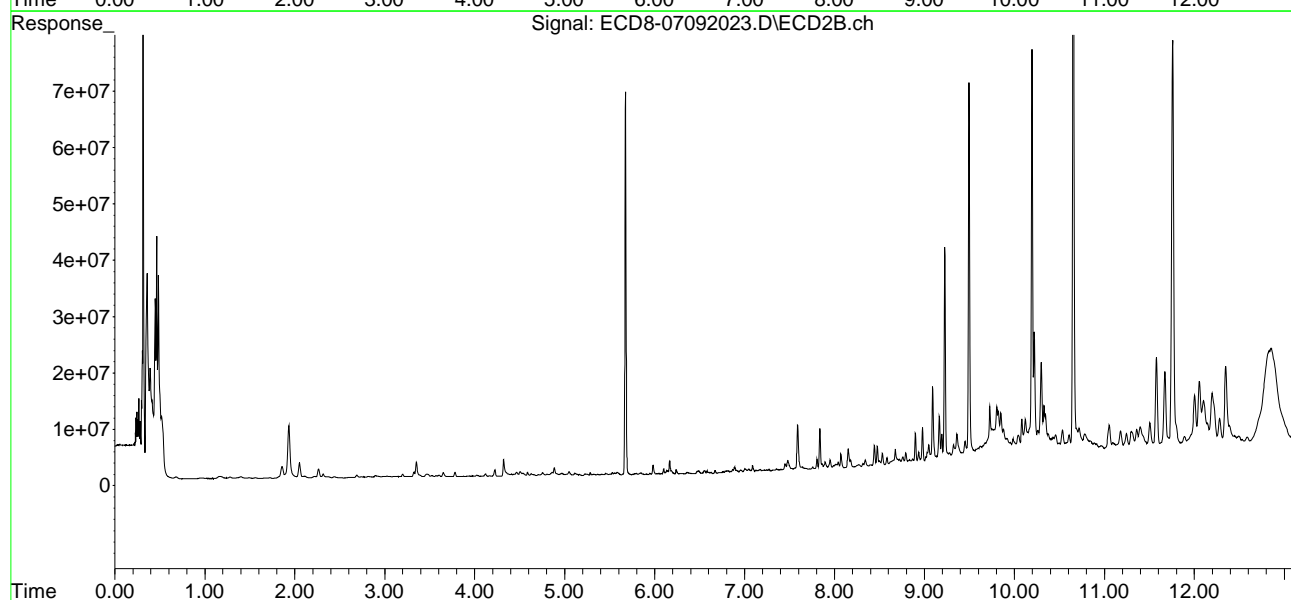
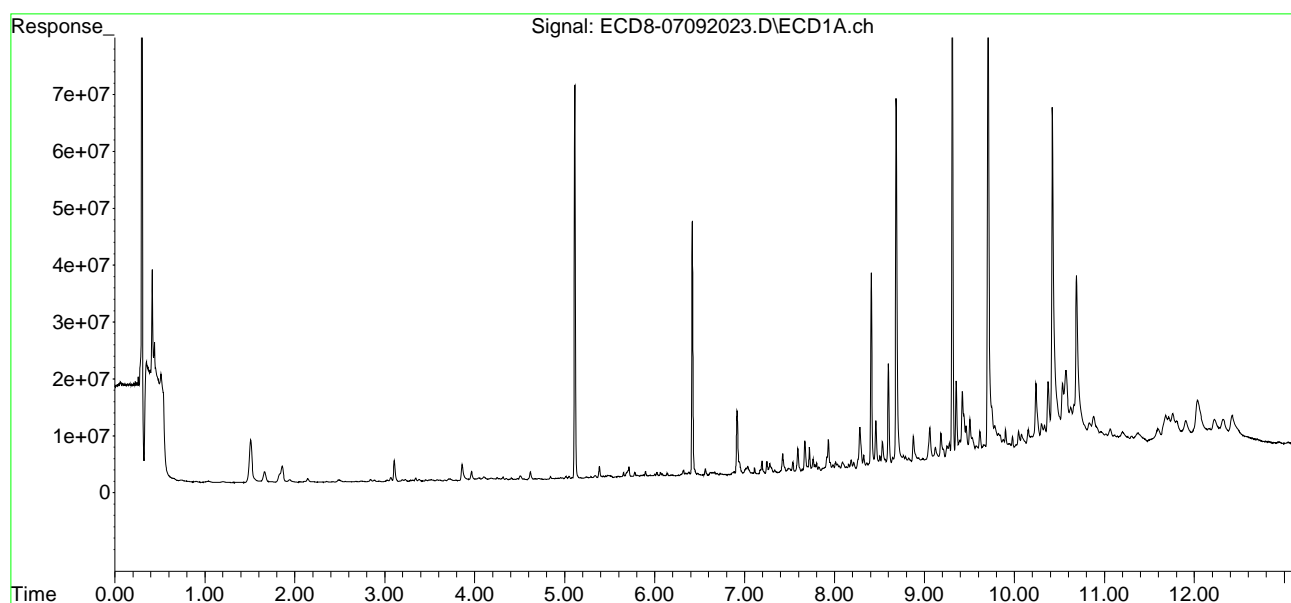
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|--------|----------|----------|----------|-----------|
| 30) | cis-Nonac... | 7.697 | 8.443 | 868305 | 3570670 | 0.211 | 0.893 # |
| 31) | Mirex | 8.359 | 9.359 | 880000 | 4646119 | 0.038 | 1.793 # |
| 32) | Chlordane... | 7.193 | 7.896 | 2136451 | 1171644 | 5.172 | 2.705 # |
| 33) | Chlordane... | 7.280f | 7.991 | 1677961 | 449563 | 3.261 | 1.232 # |
| 34) | Chlordane... | 7.864 | 8.675 | 365758 | 2712430 | 2.829 | 22.741 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.280 | 8.217 | 1677961 | 72620 | 102.086 | 2.213 # |
| 37) | Toxaphene... | 7.591 | 8.581 | 4128068 | 1281401 | 127.731 | 30.091 # |
| 38) | Toxaphene... | 7.864f | 8.581f | 365758 | 1281401 | 5.042 | 20.280 # |
| 39) | Toxaphene... | 8.130 | 8.675 | 477080 | 2712430 | BelowCal | 11.611 |
| 40) | Toxaphene... | 8.359 | 8.851 | 880000 | 469164 | 16.896 | 7.990 # |
| 41) | Toxaphene... | 8.407 | 9.226 | 34260588 | 37924089 | 464.258 | 590.298 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:55
Operator : MJB
Sample : A0F0647-02RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

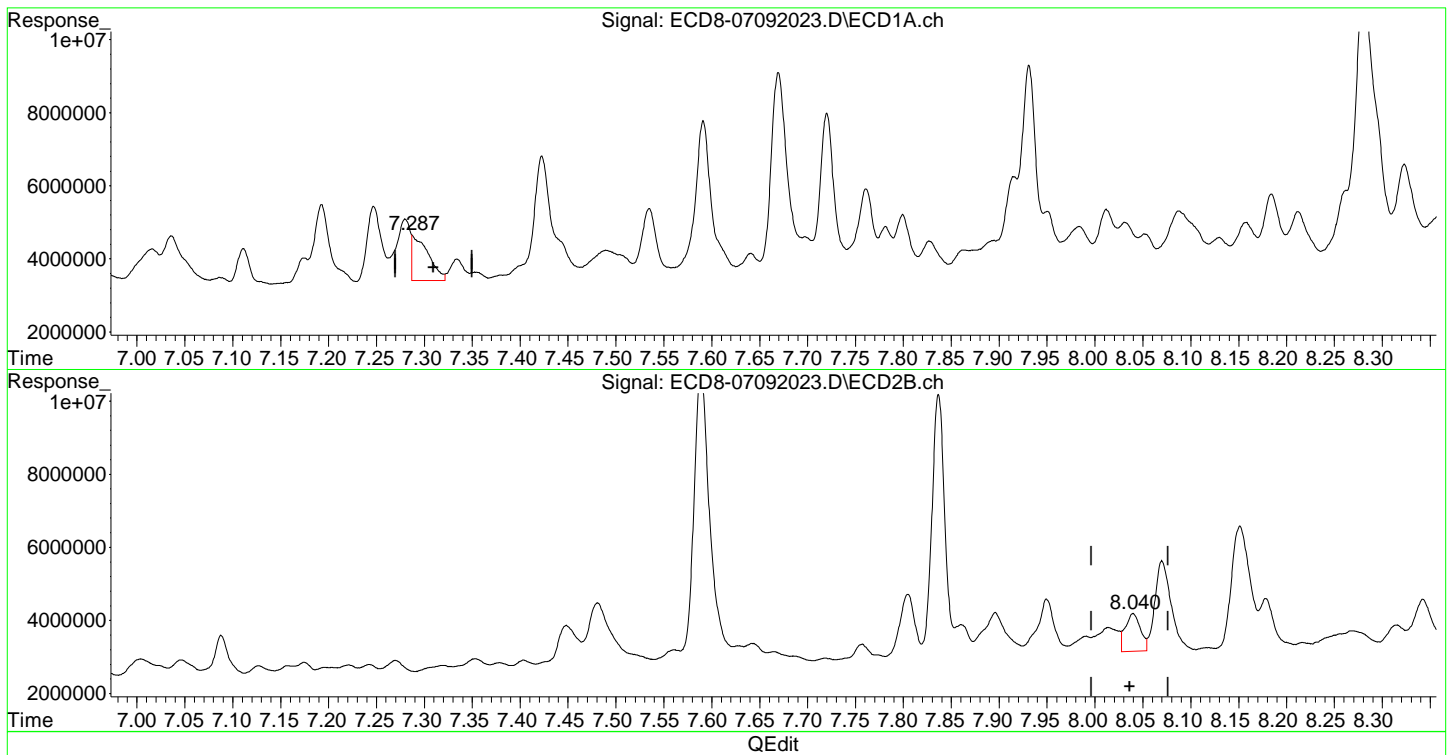
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:55:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:55
Operator : MJB
Sample : A0F0647-02RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:55:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.287min 0.341 ng/mL m
response 1249444

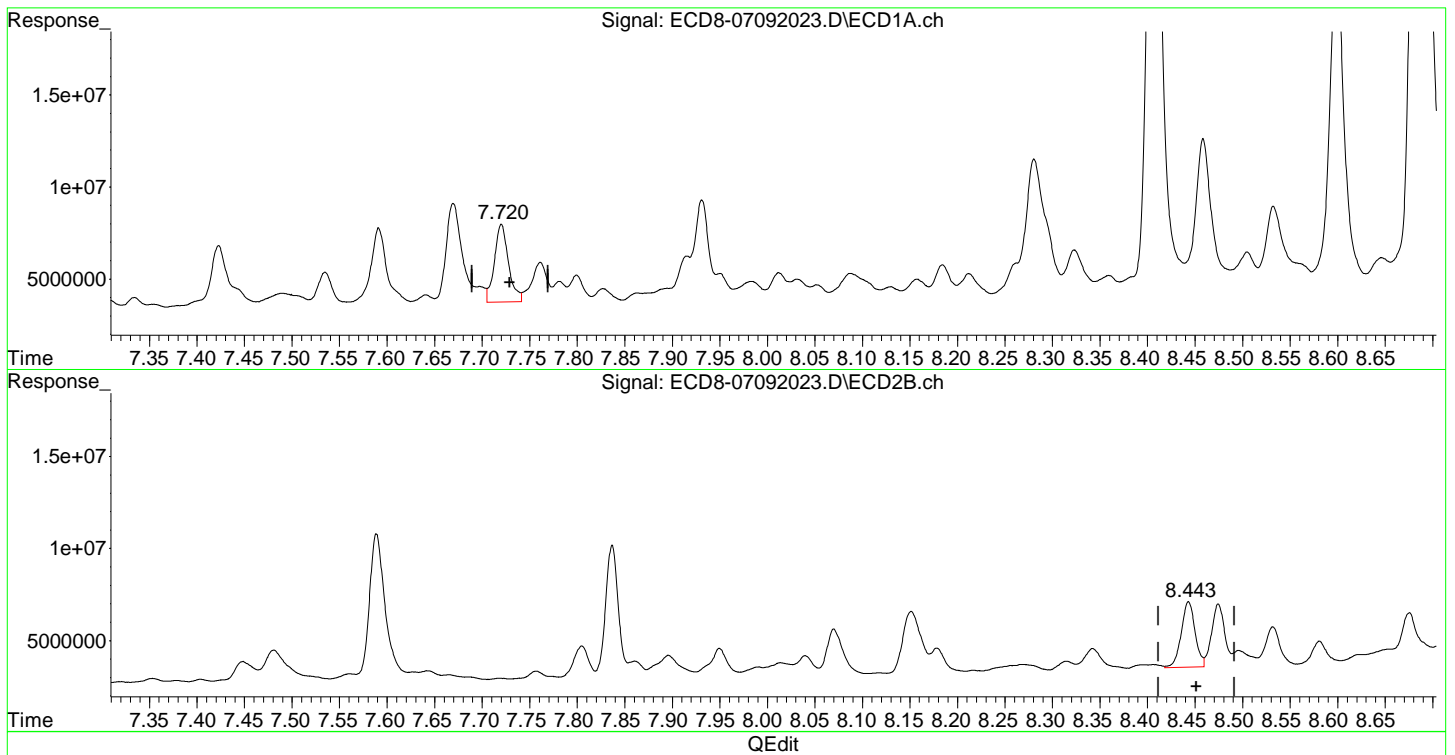
MJB 7/10/20

(12) 4,4'-DDE #2
8.040min 0.319 ng/mL
response 1035625

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:55
Operator : MJB
Sample : A0F0647-02RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:55:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.720min 1.483 ng/mL
response 4230063

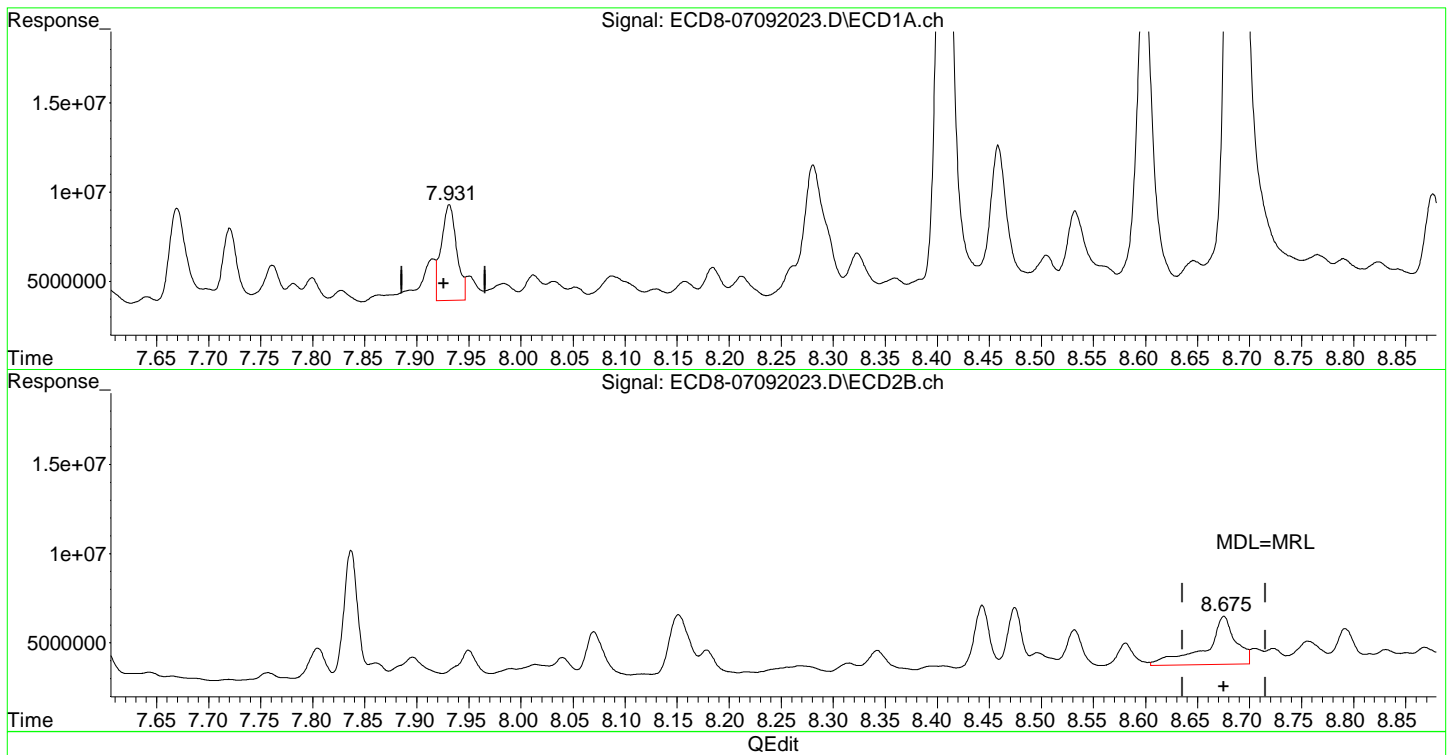
MJB 7/10/20

(15) 4,4'-DDD #2
8.443min 1.338 ng/mL
response 3570670

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:55
Operator : MJB
Sample : A0F0647-02RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:55:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.931min 2.361 ng/mL
response 5366980

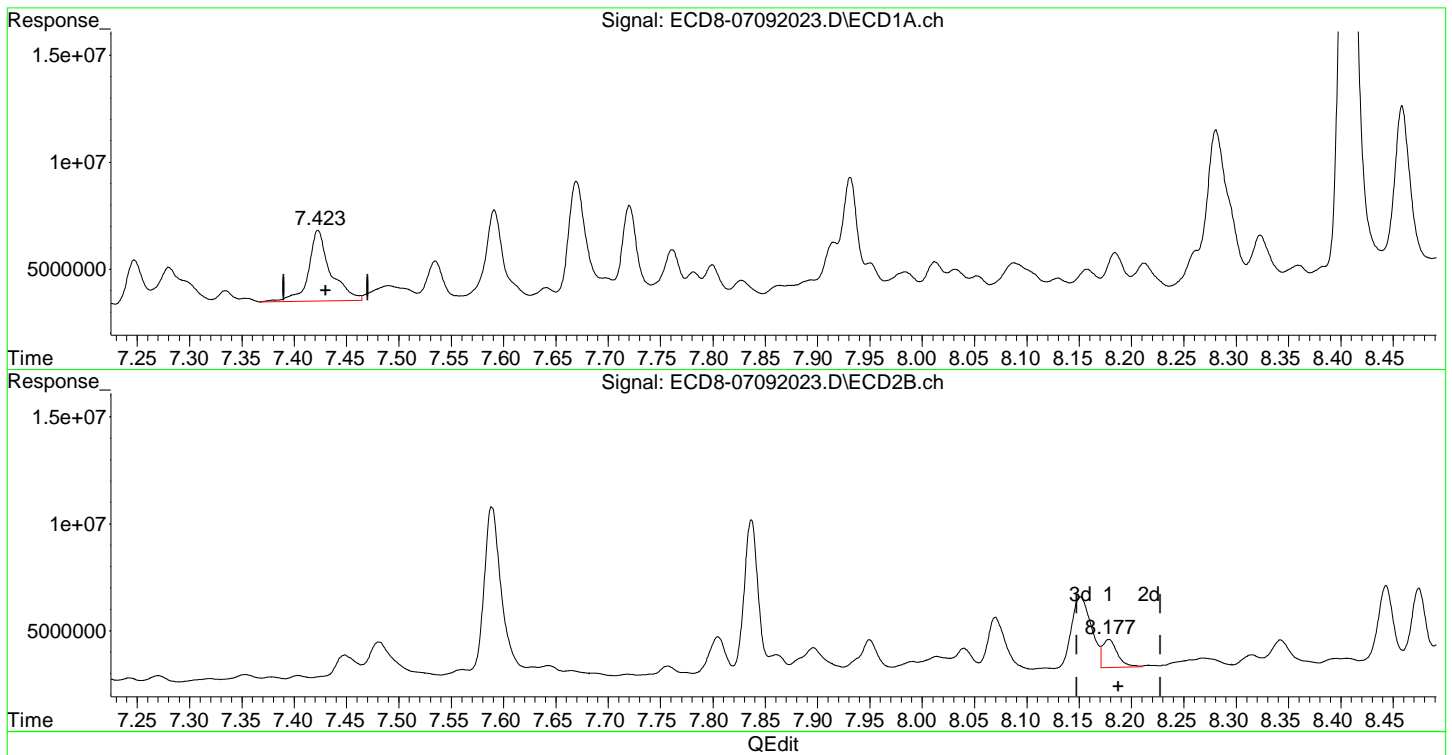
MJB 7/10/20

(17) 4,4'-DDT #2
8.675min 1.053 ng/mL
response 2712430

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:55
Operator : MJB
Sample : A0F0647-02RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:55:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.423min 1.573 ng/mL
response 3302953

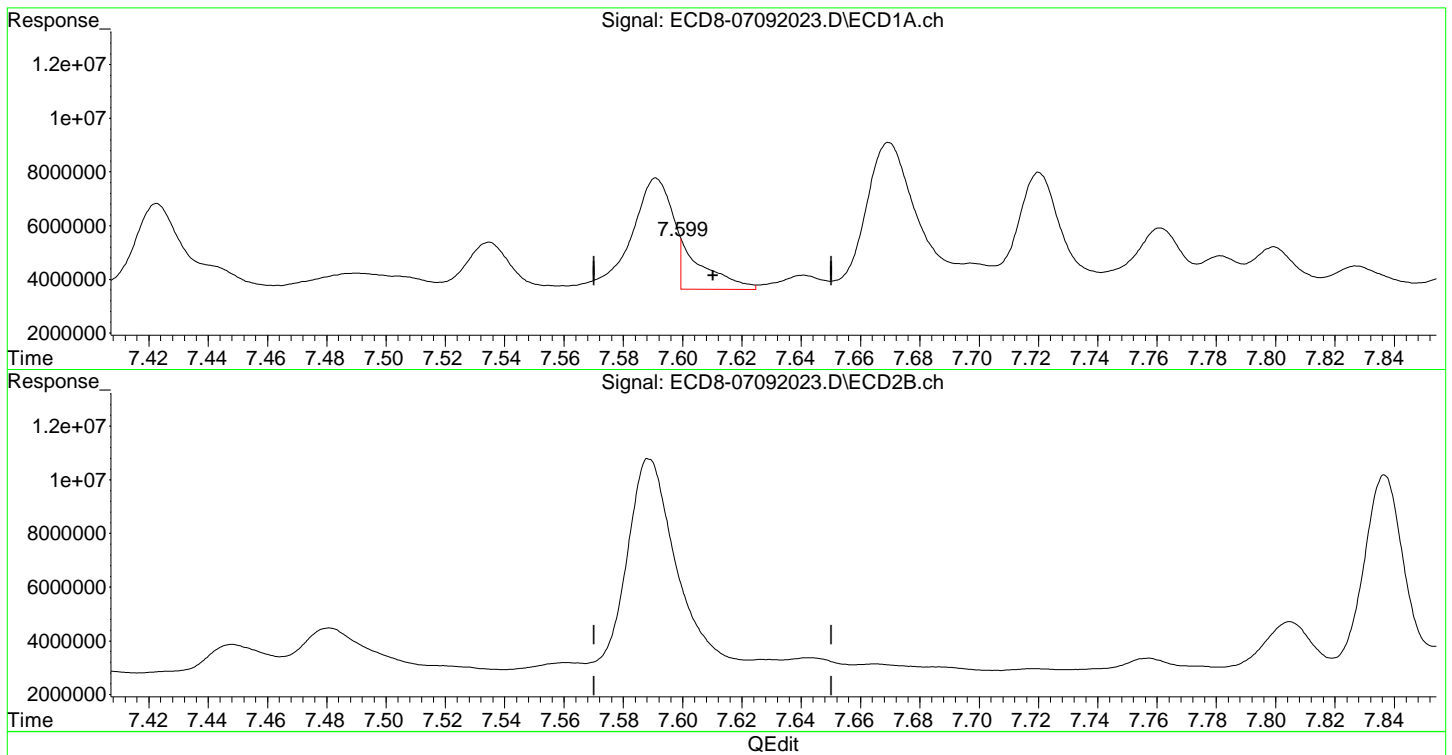
MJB 7/10/20

(28) 2,4'-DDD #2
8.178min 0.633 ng/mL
response 1315921

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:55
Operator : MJB
Sample : A0F0647-02RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:55:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.599min 0.862 ng/mL m
response 1878588

MJB 7/10/20

(29) 2,4'-DDT #2
8.406min -0.068 ng/mL
response 189569

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 17:55
 Operator : MJB
 Sample : A0F0647-02RE3@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:55:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.115 | 5.677 | 69174152 | 67919078 | 18.966 | 19.132 |
| 22) S DCBP (S) | 9.310 | 10.195 | 80919288 | 71965824 | 28.297 | 30.607 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.656 | 6.280 | 893009 | 101627 | 0.183 | 0.021 # |
| 3) g-BHC | 5.942 | 6.583 | 321038 | 510578 | 0.075 | 0.120 # |
| 4) b-BHC | 6.005 | 6.673 | 511239 | 511426 | 0.284 | 0.280 |
| 5) Heptachlor | 6.346 | 6.957 | 554261 | 359667 | 0.140 | 0.085 # |
| 6) d-BHC | 6.178 | 6.889f | 259019 | 1052391 | 0.109 | 0.319 # |
| 7) Aldrin | 6.564 | 7.221 | 1181874 | 231521 | 0.274 | 0.058 # |
| 8) Heptachlo... | 7.036 | 7.665 | 1392102 | 274460 | 0.352 | 0.073 # |
| 9) trans-Chl... | 7.111f | 7.805 | 996548 | 1742473 | 0.248 | 0.456 # |
| 10) cis-Chlor... | 7.247 | 7.896f | 2047971 | 1171644 | 0.358 | 0.314 |
| 11) Endosulfa... | 7.334 | 7.950 | 543966 | 1499586 | 0.148 | 0.442 # |
| 12) 4,4'-DDE | 7.334f | 8.040 | 543966 | 1035625 | 0.148 | 0.319 # |
| 13) Dieldrin | 7.490 | 8.178 | 660651 | 1315921 | 0.164 | 0.341 # |
| 14) Endrin | 7.670 | 8.396 | 5380389 | 191619 | 1.594 | 0.065 # |
| 15) 4,4'-DDD | 7.720 | 8.443 | 4230063 | 3570670 | 1.483 | 1.338 |
| 16) Endosulfa... | 7.827 | 8.532 | 643869 | 2092257 | 0.212 | 0.692 # |
| 17) 4,4'-DDT | 7.931 | 8.675 | 5366980 | 2712430 | 2.361 | 1.053 # |
| 18) Endrin Al... | 8.130 | 8.792 | 477080 | 1881222 | BelowCal | 0.650 |
| 19) Endosulfa... | 8.407 | 8.978 | 34260588 | 6190375 | 11.601 | 2.088 # |
| 20) Methoxychlor | 8.281 | 9.164 | 7274001 | 7986671 | 6.706 | 6.428 |
| 21) Endrin Ke... | 8.599 | 9.359 | 18129200 | 4646119 | 5.083 | 1.383 # |
| 23) Hexachlor... | 2.885 | 3.352f | 298582 | 2689784 | BelowCal | 0.448 |
| 24) Hexachlor... | 5.494 | 6.137 | 423982 | 640897 | BelowCal | 0.031 |
| 25) Oxychlorane | 0.000 | 7.589 | 0 | 7956122 | N.D. | 2.502 # |
| 26) 2,4'-DDE | 7.036f | 7.805 | 1392102 | 1742473 | 0.582 | 0.580 |
| 27) trans-Non... | 7.247 | 7.861 | 2047971 | 870066 | 0.311 | 0.011 # |
| 28) 2,4'-DDD | 7.423 | 8.178 | 3302953 | 1315921 | 1.573 | 0.633 # |
| 29) 2,4'-DDT | 7.591 | 8.406 | 4128068 | 189569 | 2.102 | BelowCal # |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 17:55
 Operator : MJB
 Sample : A0F0647-02RE3@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 11:55:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

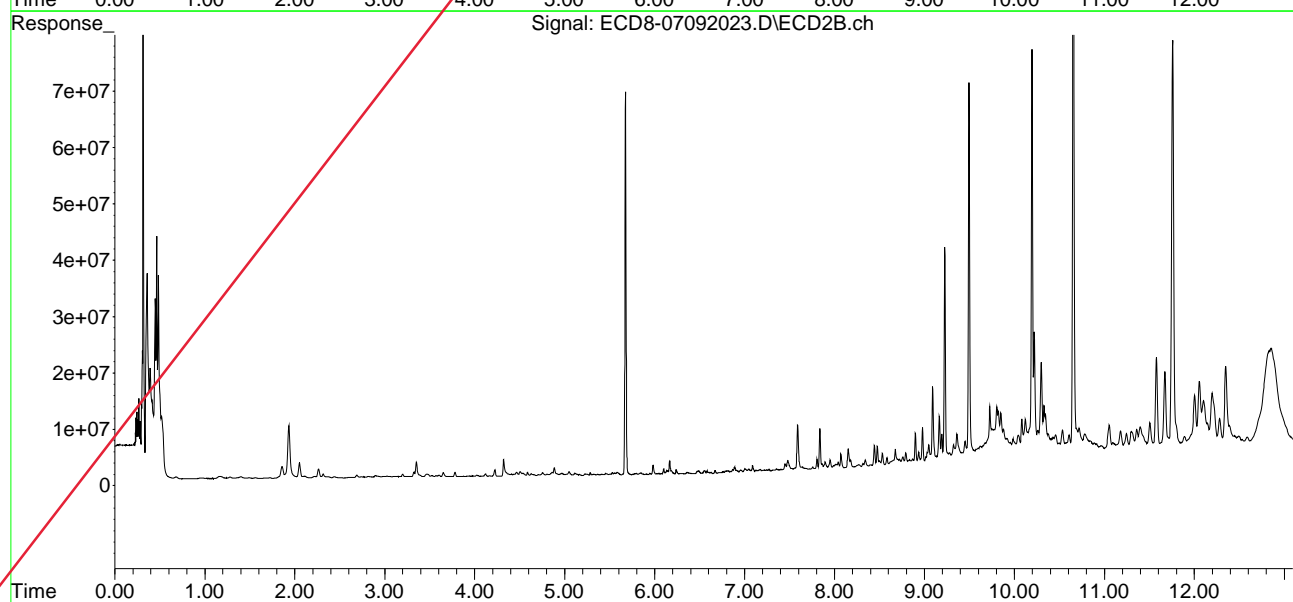
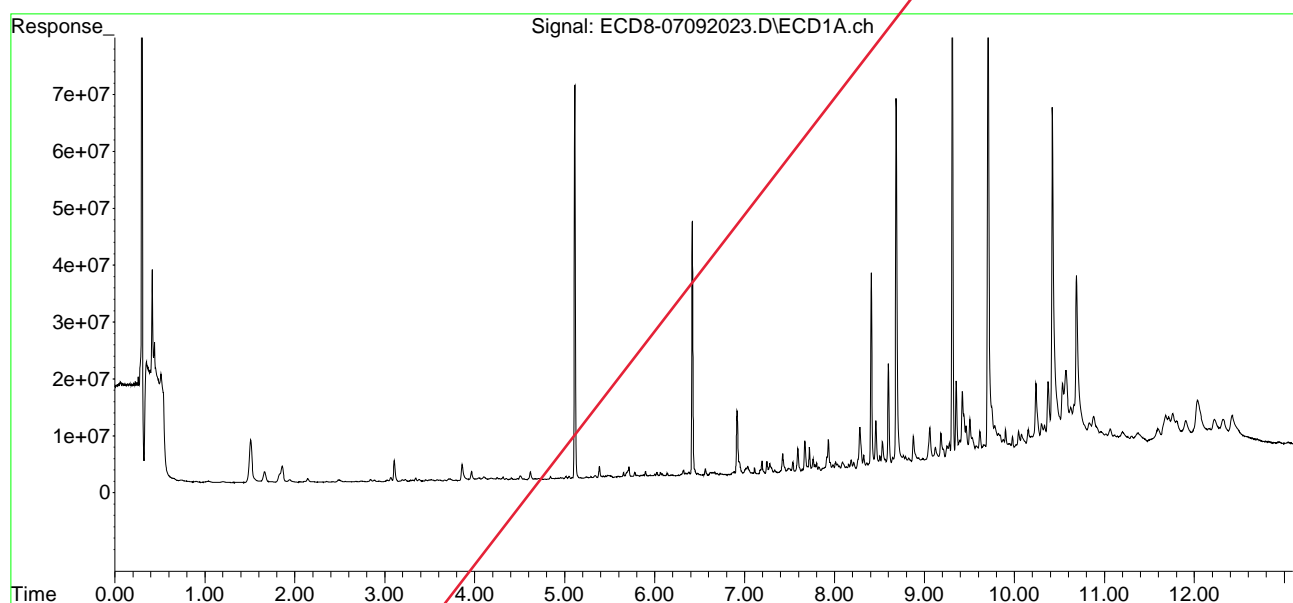
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|--------|----------|----------|----------|-----------|
| 30) | cis-Nonac... | 7.697 | 8.443 | 868305 | 3570670 | 0.211 | 0.893 # |
| 31) | Mirex | 8.359 | 9.359 | 880000 | 4646119 | 0.038 | 1.793 # |
| 32) | Chlordane... | 7.193 | 7.896 | 2136451 | 1171644 | 5.172 | 2.705 # |
| 33) | Chlordane... | 7.280f | 7.991 | 1677961 | 449563 | 3.261 | 1.232 # |
| 34) | Chlordane... | 7.864 | 8.675 | 365758 | 2712430 | 2.829 | 22.741 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.280 | 8.217 | 1677961 | 72620 | 102.086 | 2.213 # |
| 37) | Toxaphene... | 7.591 | 8.581 | 4128068 | 1281401 | 127.731 | 30.091 # |
| 38) | Toxaphene... | 7.864f | 8.581f | 365758 | 1281401 | 5.042 | 20.280 # |
| 39) | Toxaphene... | 8.130 | 8.675 | 477080 | 2712430 | BelowCal | 11.611 |
| 40) | Toxaphene... | 8.359 | 8.851 | 880000 | 469164 | 16.896 | 7.990 # |
| 41) | Toxaphene... | 8.407 | 9.226 | 34260588 | 37924089 | 464.258 | 590.298 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 17:55
Operator : MJB
Sample : A0F0647-02RE3@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:55:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 20:23
 Operator : MJB
 Sample : 0G09046-CCV5
 Misc : A20E232, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 12:06:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|----------|----------|----------|------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.115 | 5.676 | 189.1E6 | 160.1E6 | 51.854 | 45.091 |
| 22) S DCBP (S) | 9.312 | 10.194 | 143.0E6 | 127.4E6 | 49.944 | 53.294 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.651 | 6.282 | 277.3E6 | 237.4E6 | 56.909 | 49.804 |
| 3) g-BHC | 5.933 | 6.599 | 230.1E6 | 211.0E6 | 53.877 | 49.418 |
| 4) b-BHC | 6.012 | 6.668 | 76881234 | 75059386 | 42.639 | 41.064 |
| 5) Heptachlor | 6.341 | 6.966 | 232.3E6 | 216.2E6 | 58.745 | 51.027 |
| 6) d-BHC | 6.160 | 6.921 | 161.4E6 | 173.7E6 | 43.977 | 43.576 |
| 7) Aldrin | 6.580 | 7.227 | 230.9E6 | 207.1E6 | 53.556 | 51.652 |
| 8) Heptachlo... | 7.041 | 7.667 | 203.1E6 | 190.0E6 | 51.391 | 50.478 |
| 9) trans-Chl... | 7.137 | 7.807 | 197.6E6 | 190.4E6 | 49.108 | 49.872 |
| 10) cis-Chlor... | 7.233 | 7.914 | 197.0E6 | 183.5E6 | 52.297 | 49.259 |
| 11) Endosulfa... | 7.327 | 7.962 | 211.0E6 | 168.2E6 | 57.310 | 49.575 |
| 12) 4,4'-DDE | 7.307 | 8.033 | 158.7E6 | 156.0E6 | 43.290 | 43.840 |
| 13) Dieldrin | 7.499 | 8.161 | 219.0E6 | 197.1E6 | 54.259 | 51.116 |
| 14) Endrin | 7.662 | 8.386 | 167.8E6 | 145.4E6 | 49.710 | 49.197 |
| 15) 4,4'-DDD | 7.726 | 8.447 | 125.1E6 | 129.3E6 | 43.858 | 45.212 |
| 16) Endosulfa... | 7.818 | 8.535 | 162.5E6 | 155.2E6 | 53.395 | 51.337 |
| 17) 4,4'-DDT | 7.921 | 8.670 | 131.0E6 | 128.8E6 | 52.879 | 47.154 |
| 18) Endrin Al... | 8.107 | 8.773 | 150.8E6 | 140.8E6 | 53.940 | 48.660 |
| 19) Endosulfa... | 8.406 | 8.964 | 154.5E6 | 139.9E6 | 52.301 | 47.183 |
| 20) Methoxychlor | 8.265 | 9.156 | 60003714 | 61922054 | 52.392 | 47.522 |
| 21) Endrin Ke... | 8.599 | 9.358 | 202.3E6 | 175.9E6 | 56.723 | 52.362 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.494 | 6.106f | 390675 | 84063 | BelowCal | BelowCal |
| 25) Oxychlorane | 6.978 | 7.610 | 832446 | 8161 | 0.069 | BelowCal # |
| 26) 2,4'-DDE | 7.041 | 7.807 | 203.1E6 | 190.4E6 | 84.861 | 81.386 |
| 27) trans-Non... | 7.233 | 7.864 | 197.0E6 | 916993 | 55.884 | 0.025 # |
| 28) 2,4'-DDD | 0.000 | 8.161f | 0 | 197.1E6 | N.D. | 94.822 # |
| 29) 2,4'-DDT | 7.606 | 8.386f | 894970 | 145.4E6 | 0.319 | 69.466 # |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 20:23
 Operator : MJB
 Sample : 0G09046-CCV5
 Misc : A20E232, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 12:06:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

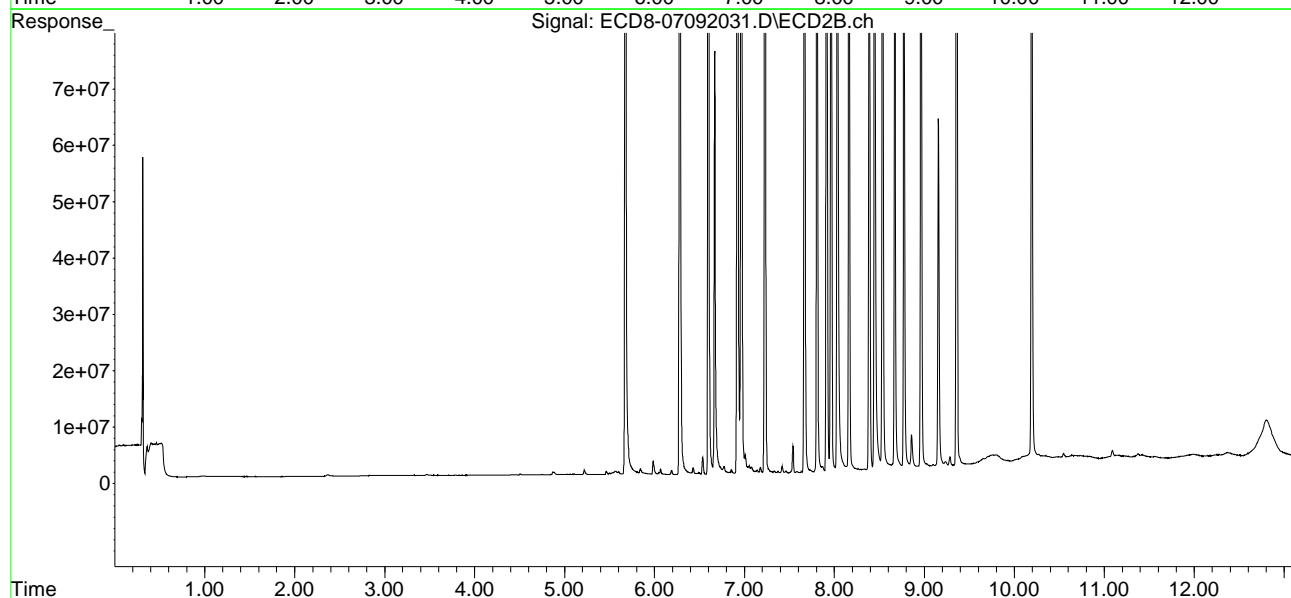
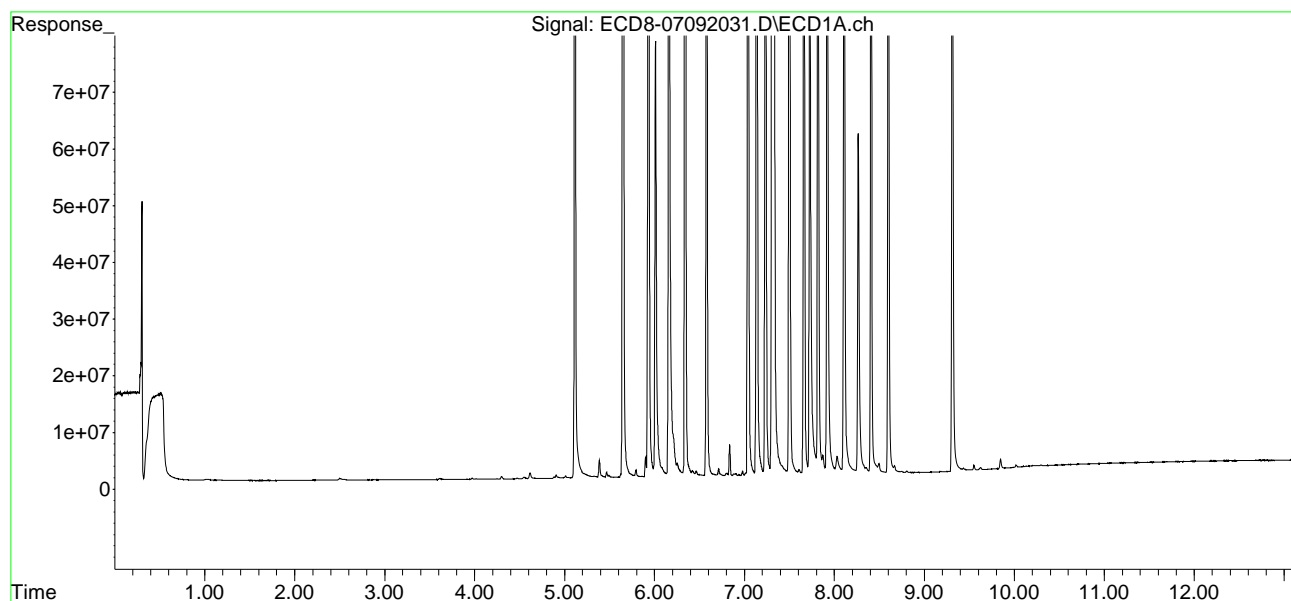
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|--------|---------|---------|----------|------------|
| 30) | cis-Nonac... | 7.726f | 8.447 | 125.1E6 | 129.3E6 | 30.433 | 32.343 |
| 31) | Mirex | 8.353 | 9.358 | 1020262 | 175.9E6 | 0.096 | 75.941 # |
| 32) | Chlordane... | 7.233f | 7.914f | 197.0E6 | 183.5E6 | 476.908 | 423.708 |
| 33) | Chlordane... | 7.307 | 8.033f | 158.7E6 | 156.0E6 | 308.381 | 427.466 # |
| 34) | Chlordane... | 7.870f | 8.670 | 3359939 | 128.8E6 | 25.990 | 1080.246 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.307f | 8.262f | 158.7E6 | 270950 | 8486.811 | 8.257 # |
| 37) | Toxaphene... | 7.606f | 8.613f | 894970 | 909609 | 24.765 | 21.360 |
| 38) | Toxaphene... | 7.870 | 8.613 | 3359939 | 909609 | 46.314 | 14.396 # |
| 39) | Toxaphene... | 8.107f | 8.670 | 150.8E6 | 128.8E6 | 2145.428 | 1204.518 # |
| 40) | Toxaphene... | 8.353 | 8.858 | 1020262 | 5951736 | 19.589 | 101.365 # |
| 41) | Toxaphene... | 8.406 | 9.234 | 154.5E6 | 1020022 | 2093.083 | 15.877 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:23
Operator : MJB
Sample : 0G09046-CCV5
Misc : A20E232, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 20:39
 Operator : MJB
 Sample : 0G09046-CCV6
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 12:06:36 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|----------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.088f | 5.676 | 2371594 | 18574 | 0.650 | 0.005 # |
| 22) S DCBP (S) | 9.314 | 10.200 | 66739 | 2908434 | BelowCal | 1.078 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 5.930 | 6.584 | 99955 | 74199 | 0.023 | 0.017 # |
| 4) b-BHC | 6.000 | 6.676 | 126261 | 57294 | 0.070 | 0.031 # |
| 5) Heptachlor | 6.341 | 6.965 | 456448 | 458542 | 0.115 | 0.108 |
| 6) d-BHC | 6.140f | 6.930 | 157701 | 54749 | 0.079 | 0.050 # |
| 7) Aldrin | 6.590 | 7.226 | 62847 | 79398 | 0.015 | 0.020 # |
| 8) Heptachlo... | 7.056 | 7.706f | 99710680 | 597809 | 25.230 | 0.159 # |
| 9) trans-Chl... | 7.137 | 7.809 | 3245359 | 99758081 | 0.807 | 26.128 # |
| 10) cis-Chlor... | 7.227 | 7.914 | 188.1E6 | 6701198 | 50.007 | 1.799 # |
| 11) Endosulfa... | 7.334 | 7.980 | 2495494 | 740331 | 0.678 | 0.218 # |
| 12) 4,4'-DDE | 7.314 | 8.025 | 900512 | 515196 | 0.246 | 0.162 # |
| 13) Dieldrin | 7.470f | 8.182 | 7137927 | 86603210 | 1.768 | 22.463 # |
| 14) Endrin | 7.695f | 8.403 | 198.7E6 | 98933857 | 58.872 | 33.464 # |
| 15) 4,4'-DDD | 7.695f | 8.435 | 198.7E6 | 187.0E6 | 69.628 | 63.292 |
| 16) Endosulfa... | 7.816 | 0.000 | 413325 | 0 | 0.136 | N.D. # |
| 17) 4,4'-DDT | 7.923 | 8.673 | 215298 | 511242 | 0.104 | 0.168 # |
| 18) Endrin Al... | 8.118 | 8.777 | 285743 | 437472 | BelowCal | 0.151 |
| 19) Endosulfa... | 0.000 | 8.967 | 0 | 370915 | N.D. | 0.125 # |
| 20) Methoxychlor | 8.274 | 9.164 | 21327 | 345316 | BelowCal | 0.131 |
| 21) Endrin Ke... | 8.609 | 9.343f | 467032 | 115.0E6 | 0.131 | 34.253 # |
| 23) Hexachlor... | 2.882 | 3.372 | 186.6E6 | 207.1E6 | 49.346 | 47.176 |
| 24) Hexachlor... | 5.493 | 6.141 | 160.8E6 | 126.3E6 | 50.905 | 41.801 |
| 25) Oxychlorane | 6.970 | 7.596 | 168.5E6 | 154.7E6 | 52.262 | 50.775 |
| 26) 2,4'-DDE | 7.056 | 7.809 | 99710680 | 99758081 | 41.662 | 44.624 |
| 27) trans-Non... | 7.227 | 7.871 | 188.1E6 | 168.1E6 | 53.410 | 49.656 |
| 28) 2,4'-DDD | 7.426 | 8.182 | 85289909 | 86603210 | 44.091 | 41.669 |
| 29) 2,4'-DDT | 7.607 | 8.403 | 100.8E6 | 98933857 | 52.453 | 48.923 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 20:39
 Operator : MJB
 Sample : 0G09046-CCV6
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 12:06:36 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

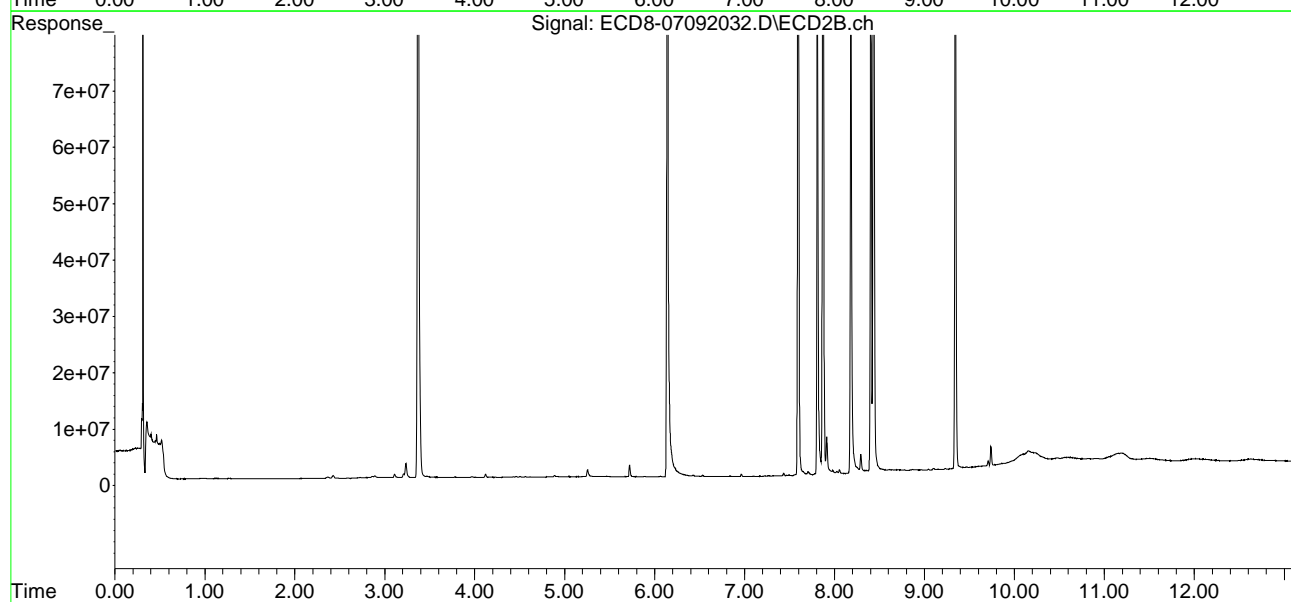
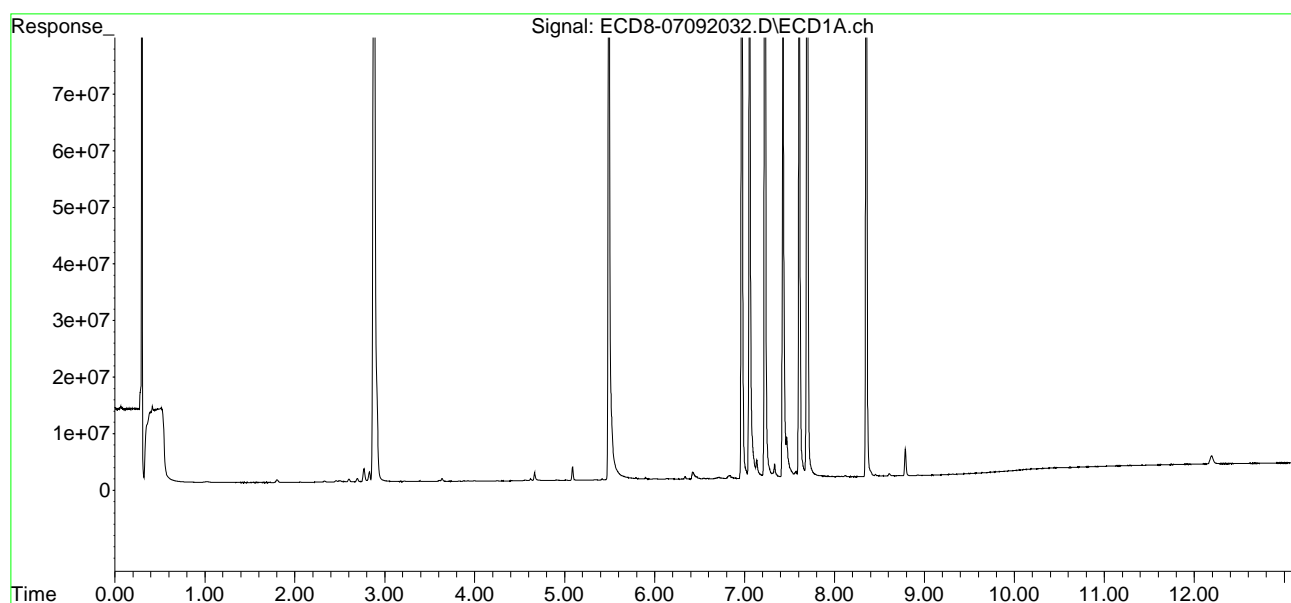
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|--------|---------|---------|----------|----------|
| 30) | cis-Nonac... | 7.695 | 8.435 | 198.7E6 | 187.0E6 | 48.315 | 46.795 |
| 31) | Mirex | 8.354 | 9.343 | 128.7E6 | 115.0E6 | 52.230 | 50.139 |
| 32) | Chlordane... | 7.227 | 7.871 | 188.1E6 | 168.1E6 | 455.403 | 388.171 |
| 33) | Chlordane... | 7.314 | 7.980 | 900512 | 740331 | 1.750 | 2.029 |
| 34) | Chlordane... | 7.845 | 8.673 | 332810 | 511242 | 2.574 | 4.286 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.314f | 8.245 | 900512 | 1237726 | 52.901 | 37.720 # |
| 37) | Toxaphene... | 7.574 | 8.604f | 1152451 | 551827 | 32.961 | 12.958 # |
| 38) | Toxaphene... | 7.885 | 8.604 | 256465 | 551827 | 3.535 | 8.733 # |
| 39) | Toxaphene... | 8.118 | 8.673 | 285743 | 511242 | BelowCal | BelowCal |
| 40) | Toxaphene... | 8.354 | 8.869 | 128.7E6 | 448837 | 2470.181 | 7.644 # |
| 41) | Toxaphene... | 8.455f | 9.230 | 383922 | 486748 | 5.202 | 7.576 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:39
Operator : MJB
Sample : 0G09046-CCV6
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 20:56
 Operator : MJB
 Sample : 0G09046-CCB3
 Misc : A20F379
 ALS Vial : 7 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 12:06:57 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|---------|---------|----------|------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.113 | 5.675 | 371.6E6 | 327.3E6 | 101.877 | 92.188 |
| 22) S DCBP (S) | 9.313 | 10.195 | 279.3E6 | 247.7E6 | 96.756 | 99.766 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.657 | 6.268 | 15280 | 38777 | 0.003 | 0.008 # |
| 3) g-BHC | 5.945 | 6.604 | 9058 | 14746 | 0.002 | 0.003 # |
| 4) b-BHC | 6.013 | 6.675 | 46287 | 18519 | 0.026 | 0.010 # |
| 5) Heptachlor | 6.348 | 6.983 | 12326 | 109892 | 0.003 | 0.026 # |
| 6) d-BHC | 6.166 | 6.925 | 30991 | 36824 | 0.042 | 0.045 |
| 7) Aldrin | 6.565 | 7.225 | 271672 | 23697 | 0.063 | 0.006 # |
| 8) Heptachlo... | 7.054 | 7.668 | 12089 | 91965 | 0.003 | 0.024 # |
| 9) trans-Chl... | 7.131 | 7.807 | 141189 | 55885 | 0.035 | 0.015 # |
| 10) cis-Chlor... | 7.229 | 7.913 | 27108 | 116463 | BelowCal | 0.031 |
| 11) Endosulfa... | 7.334 | 0.000 | 17263 | 0 | 0.005 | N.D. # |
| 12) 4,4'-DDE | 7.309 | 8.041 | 10159 | 22369 | 0.003 | 0.013 # |
| 13) Dieldrin | 7.498 | 8.165 | 28598 | 28849 | 0.007 | 0.007 |
| 14) Endrin | 7.671 | 8.409 | 18500 | 29834 | 0.005 | 0.010 # |
| 15) 4,4'-DDD | 7.736 | 8.460 | 41873 | 32654 | 0.015 | BelowCal # |
| 16) Endosulfa... | 7.822 | 8.536 | 42205 | 46984 | 0.014 | 0.016 |
| 17) 4,4'-DDT | 7.928 | 8.670 | 12315 | 29898 | 0.015 | BelowCal # |
| 18) Endrin Al... | 8.114 | 8.777 | 62388 | 102832 | BelowCal | 0.036 |
| 19) Endosulfa... | 8.410 | 8.966 | 110316 | 182080 | 0.037 | 0.061 # |
| 20) Methoxychlor | 8.267 | 9.153 | 97903 | 243588 | BelowCal | 0.046 |
| 21) Endrin Ke... | 8.607 | 9.359 | 450893 | 343257 | 0.126 | 0.102 |
| 23) Hexachlor... | 0.000 | 3.398f | 0 | 54718 | N.D. | BelowCal |
| 24) Hexachlor... | 5.494 | 6.184f | 672936 | 85648 | 0.029 | BelowCal # |
| 25) Oxychlorane | 6.971 | 7.594 | 16672 | 108313 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.054 | 7.807 | 12089 | 55885 | 0.005 | BelowCal # |
| 27) trans-Non... | 7.229 | 7.913f | 27108 | 116463 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.429 | 8.183 | 18245 | 26945 | BelowCal | 0.013 |
| 29) 2,4'-DDT | 7.595 | 8.409 | 116301 | 29834 | BelowCal | BelowCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
 Data File : ECD8-07092033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 9 Jul 2020 20:56
 Operator : MJB
 Sample : 0G09046-CCB3
 Misc : A20F379
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 10 12:06:57 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

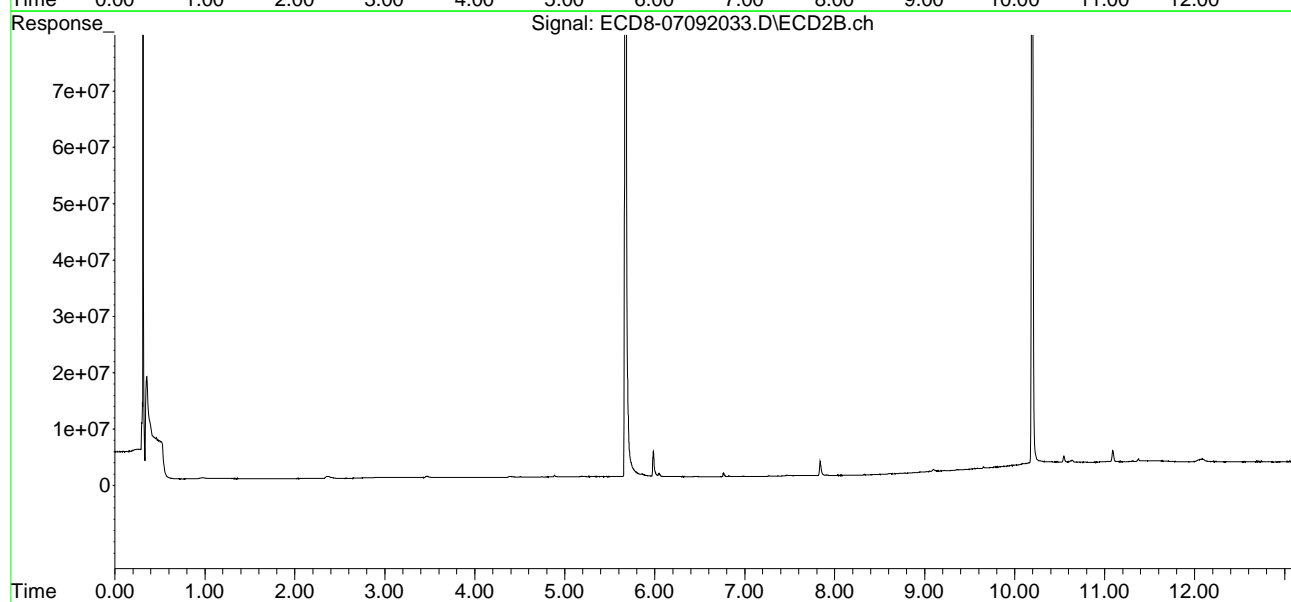
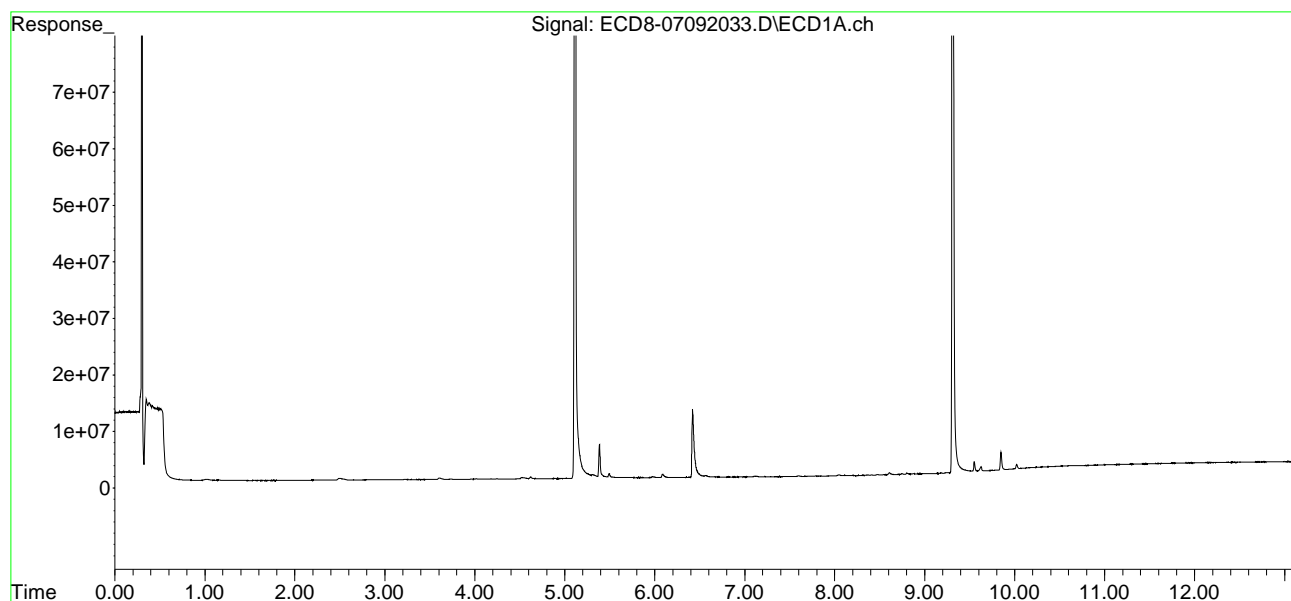
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----|--------------|--------|--------|--------|--------|------------|----------|
| 30) | cis-Nonac... | 7.695 | 8.460 | 29348 | 32654 | 0.007 | 0.008 |
| 31) | Mirex | 8.366 | 9.359 | 142338 | 343257 | BelowCal | BelowCal |
| 32) | Chlordane... | 7.229f | 7.913f | 27108 | 116463 | 0.066 | 0.269 # |
| 33) | Chlordane... | 7.309 | 8.013 | 10159 | 12322 | 0.020 | 0.034 # |
| 34) | Chlordane... | 7.846 | 8.657 | 31890 | 32010 | 0.247 | 0.268 |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.292 | 8.227 | 21521 | 13463 | BelowCal | 0.410 |
| 37) | Toxaphene... | 7.595 | 8.557 | 116301 | 20876 | 175388.445 | 0.490 # |
| 38) | Toxaphene... | 7.873 | 8.612 | 12843 | 113188 | 0.177 | 1.791 # |
| 39) | Toxaphene... | 8.132 | 8.670 | 37402 | 29898 | BelowCal | BelowCal |
| 40) | Toxaphene... | 8.366 | 8.866 | 142338 | 85839 | 2.733 | 1.462 # |
| 41) | Toxaphene... | 8.410 | 9.245 | 110316 | 226522 | 1.495 | 3.526 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:56
Operator : MJB
Sample : 0G09046-CCB3
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



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

Sequence 0F06008 (Cal ID A0F0804) DUALECD8



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:

0F06008

Instrument:

DUALECD8

Date:

06/06/20 14:30

Calibration:

A0F0804

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|--------------|--------|----------|--------|-----|-------|---------|---------|
| 1 | 0F06008-BKD1 | Water | QC | QC | | | | A20E203 |
| 2 | 0F06008-ICB1 | Water | QC | QC | | | | A20F087 |
| 3 | 0F06008-CAL1 | Water | QC | QC | | | | A20F080 |
| 4 | 0F06008-CAL2 | Water | QC | QC | | | | A20F081 |
| 5 | 0F06008-CAL3 | Water | QC | QC | | | | A20C179 |
| 6 | 0F06008-CAL4 | Water | QC | QC | | | | A20C180 |
| 7 | 0F06008-CAL5 | Water | QC | QC | | | | A20C181 |
| 8 | 0F06008-CAL6 | Water | QC | QC | | | | A20C182 |
| 9 | 0F06008-CAL7 | Water | QC | QC | | | | A20E232 |
| 10 | 0F06008-CAL8 | Water | QC | QC | | | | A20E233 |
| 11 | 0F06008-CAL9 | Water | QC | QC | | | | A20C177 |
| 12 | 0F06008-IBL1 | Water | QC | QC | | | | |
| 13 | 0F06008-ICV1 | Water | QC | QC | | | | A20C164 |
| 14 | 0F06008-CALA | Water | QC | QC | | | | A20F082 |
| 15 | 0F06008-CALB | Water | QC | QC | | | | A20C353 |
| 16 | 0F06008-CALC | Water | QC | QC | | | | A20C354 |
| 17 | 0F06008-CALD | Water | QC | QC | | | | A20C355 |
| 18 | 0F06008-CALE | Water | QC | QC | | | | A20C356 |
| 19 | 0F06008-CALF | Water | QC | QC | | | | A20C357 |
| 20 | 0F06008-CALG | Water | QC | QC | | | | A20C358 |
| 21 | 0F06008-CALH | Water | QC | QC | | | | A20C359 |
| 22 | 0F06008-CALI | Water | QC | QC | | | | A20C352 |
| 23 | 0F06008-IBL2 | Water | QC | QC | | | | |
| 24 | 0F06008-ICV2 | Water | QC | QC | | | | A20C360 |
| 25 | 0F06008-CALJ | Water | QC | QC | | | | A20F083 |
| 26 | 0F06008-CALK | Water | QC | QC | | | | A20F057 |
| 27 | 0F06008-CALL | Water | QC | QC | | | | A20F058 |
| 28 | 0F06008-CALM | Water | QC | QC | | | | A20F059 |
| 29 | 0F06008-CALN | Water | QC | QC | | | | A20F060 |
| 30 | 0F06008-CALO | Water | QC | QC | | | | A20F061 |
| 31 | 0F06008-CALP | Water | QC | QC | | | | A20F056 |
| 32 | 0F06008-IBL3 | Water | QC | QC | | | | |
| 33 | 0F06008-ICV3 | Water | QC | QC | | | | A20F062 |
| 34 | 0F06008-CALQ | Water | QC | QC | | | | A20F084 |
| 35 | 0F06008-CALR | Water | QC | QC | | | | A20F064 |
| 36 | 0F06008-CALS | Water | QC | QC | | | | A20F065 |
| 37 | 0F06008-CALT | Water | QC | QC | | | | A20F066 |
| 38 | 0F06008-CALU | Water | QC | QC | | | | A20D430 |
| 39 | 0F06008-CALV | Water | QC | QC | | | | A20D431 |
| 40 | 0F06008-CALW | Water | QC | QC | | | | A20F063 |
| 41 | 0F06008-IBL4 | Water | QC | QC | | | | |
| 42 | 0F06008-ICV4 | Water | QC | QC | | | | A20F067 |

Comments: I CAL

Data Entered By/Date: MPB 6/8/20

Data Reviewed By/Date: MPB 6/8/20

Calibration Status Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_200606.M
 Title : Instrument: DualECD8
 Last Update : Sun Jun 07 14:07:09 2020
 Response Via : Initial Calibration

A0F06004

| # | ID | Conc | ISTD Conc | Path\File |
|---|----|------|--------------|---|
| 1 | 1 | 10 | 0 | C:\msdchem\1\data\2020-06\0F06008\ECD8-06062036.D |
| 2 | 2 | 50 | 0 | C:\msdchem\1\data\2020-06\0F06008\ECD8-06062037.D |
| 3 | 3 | 100 | 0 | C:\msdchem\1\data\2020-06\0F06008\ECD8-06062038.D |
| 4 | 4 | 200 | 0 | C:\msdchem\1\data\2020-06\0F06008\ECD8-06062039.D |
| 5 | 5 | 500 | 0 | C:\msdchem\1\data\2020-06\0F06008\ECD8-06062040.D |
| 6 | 6 | 1000 | 0 | C:\msdchem\1\data\2020-06\0F06008\ECD8-06062041.D |
| 7 | 7 | 2000 | 0 | C:\msdchem\1\data\2020-06\0F06008\ECD8-06062042.D |
| 8 | 8 | -1 | 0 | C:\msdchem\1\data\2020-06\0F06008\ECD8-06062023.D |
| 9 | 9 | -1 | 0 | C:\msdchem\1\data\2020-06\0F06008\ECD8-06062024.D |

*MB
6/8/20*

| # | ID | Update Time | Quant Time | Acquisition Time |
|---|----|-------------------|-------------------|------------------|
| 1 | 1 | Jun 07 14:06 2020 | Jun 07 13:50 2020 | 7 Jun 2020 00:23 |
| 2 | 2 | Jun 07 14:06 2020 | Jun 07 13:51 2020 | 7 Jun 2020 00:39 |
| 3 | 3 | Jun 07 14:06 2020 | Jun 07 13:51 2020 | 7 Jun 2020 00:56 |
| 4 | 4 | Jun 07 14:06 2020 | Jun 07 13:52 2020 | 7 Jun 2020 1:12 |
| 5 | 5 | Jun 07 14:06 2020 | Jun 07 13:49 2020 | 7 Jun 2020 1:29 |
| 6 | 6 | Jun 07 14:07 2020 | Jun 07 13:52 2020 | 7 Jun 2020 1:45 |
| 7 | 7 | Jun 07 14:07 2020 | Jun 07 13:53 2020 | 7 Jun 2020 2:02 |
| 8 | 8 | Jun 07 14:05 2020 | Jun 07 13:42 2020 | 6 Jun 2020 20:48 |
| 9 | 9 | Jun 07 14:05 2020 | Jun 07 13:42 2020 | 6 Jun 2020 21:04 |

ECD8_QUANTPEST_200606.M Mon Jun 08 11:13:32 2020

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_200606.M
 Title : Instrument: DualECD8
 Last Update : Sun Jun 07 14:07:09 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD8-06062036.D 2 =ECD8-06062037.D 3 =ECD8-06062038.D 4 =ECD8-06062039.D 5 =ECD8-06062040.D
 6 =ECD8-06062041.D 7 =ECD8-06062042.D 8 =ECD8-06062023.D 9 =ECD8-06062024.D

| Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Avg | %RSD |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| 1) S TCMX (S) | 4.090 | 3.739 | 3.473 | 3.499 | 3.499 | 3.469 | 3.581 | 3.722 | 3.753 | 3.647 | E6 5.58 |
| 2) a-BHC | 4.872 | 4.659 | 4.467 | 4.645 | 4.794 | 4.752 | 5.076 | 5.317 | 5.276 | 4.873 | E6 6.00 |
| 3) g-BHC | 4.433 | 4.063 | 3.889 | 4.077 | 4.131 | 4.229 | 4.445 | 4.573 | 4.595 | 4.271 | E6 5.86 |
| 4) b-BHC | 2.059 | 1.828 | 1.692 | 1.687 | 1.656 | 1.707 | 1.804 | 1.892 | 1.902 | 1.803 | E6 7.35 |
| 5) Heptachlor | 4.179 | 3.783 | 3.595 | 3.672 | 3.864 | 3.911 | 4.000 | 4.305 | 4.274 | 3.954 | E6 6.48 |
| 6) d-BHC | 3.341 | 3.148 | 3.066 | 3.334 | 3.453 | 3.629 | 3.961 | 4.251 | 4.426 | 3.623 | E6 13.39 |
| 7) Aldrin | 4.433 | 4.211 | 4.018 | 4.218 | 4.211 | 4.254 | 4.392 | 4.542 | 4.527 | 4.312 | E6 4.01 |
| 8) Heptachlor Exp... | 4.486 | 3.938 | 3.693 | 3.764 | 3.780 | 3.795 | 3.904 | 4.139 | 4.070 | 3.952 | E6 6.28 |
| 9) trans-Chlordane | 4.654 | 4.057 | 3.751 | 3.784 | 3.822 | 3.808 | 4.016 | 4.095 | 4.226 | 4.023 | E6 7.16 |
| 10) cis-Chlordane | 5.178 | 4.335 | 3.894 | 3.726 | 3.711 | 3.732 | 3.891 | 3.969 | 4.058 | 4.055 | E6 11.47 |
| 11) Endosulfan I | 4.021 | 3.674 | 3.488 | 3.554 | 3.562 | 3.519 | 3.726 | 3.777 | 3.808 | 3.681 | E6 4.67 |
| 12) 4,4'-DDE | 3.663 | 3.469 | 3.362 | 3.461 | 3.570 | 3.621 | 3.803 | 3.935 | 4.100 | 3.665 | E6 6.57 |
| 13) Dieldrin | 4.178 | 3.835 | 3.667 | 3.964 | 3.928 | 3.979 | 4.210 | 4.279 | 4.289 | 4.037 | E6 5.33 |
| 14) Endrin | 3.460 | 3.240 | 3.103 | 3.147 | 3.382 | 3.305 | 3.438 | 3.628 | 3.669 | 3.375 | E6 5.84 |
| 15) 4,4'-DDD | 2.757 | 2.642 | 2.522 | 2.703 | 2.732 | 2.827 | 3.019 | 3.156 | 3.321 | 2.853 | E6 9.10 |
| 16) Endosulfan II | 3.380 | 2.878 | 2.781 | 2.862 | 2.890 | 2.913 | 3.091 | 3.256 | 3.335 | 3.043 | E6 7.49 |
| 17) 4,4'-DDT | 2.354 | 2.126 | 2.090 | 2.124 | 2.317 | 2.518 | 2.666 | 2.783 | 2.926 | 2.434 | E6 12.61 |
| 18) Endrin Aldehyde | 3.760 | 3.347 | 3.038 | 2.830 | 2.768 | 2.708 | 2.769 | 2.895 | 2.950 | 3.007 | E6 11.36 |
| 19) Endosulfan Sul... | 3.285 | 3.005 | 2.732 | 2.755 | 2.757 | 2.846 | 2.968 | 3.122 | 3.110 | 2.953 | E6 6.60 |
| 20) Methoxychlor | 1.385 | 1.189 | 1.042 | 1.031 | 1.111 | 1.133 | 1.188 | 1.297 | 1.352 | 1.192 | E6 10.79 |
| 21) Endrin Ketone | 4.227 | 3.684 | 3.341 | 3.282 | 3.276 | 3.386 | 3.507 | 3.650 | 3.747 | 3.567 | E6 8.54 |
| 22) S DCBP (S) | 4.026 | 3.477 | 3.037 | 2.960 | 2.895 | 2.802 | 2.937 | 2.920 | 2.920 | 3.108 | E6 12.69 |
| 23) Hexachlorobuta... | 5.026 | 4.817 | 4.095 | 3.966 | 3.804 | 3.812 | 3.622 | 3.634 | 3.891 | 4.074 | E6 12.41 |
| 24) Hexachlorobenzene | 4.140 | 3.808 | 3.337 | 3.029 | 3.038 | 3.195 | 3.201 | 3.280 | 3.420 | 3.383 | E6 10.86 |
| 25) Oxychlordane | 4.249 | 4.069 | 3.426 | 3.182 | 3.181 | 3.270 | 3.147 | 3.269 | 3.404 | 3.466 | E6 11.73 |
| 26) 2,4'-DDE | 2.901 | 2.683 | 2.295 | 2.129 | 2.208 | 2.332 | 2.256 | 2.313 | 2.423 | 2.393 | E6 10.30 |
| 27) trans-Nonachlor | 5.414 | 4.424 | 3.797 | 3.563 | 3.521 | 3.604 | 3.539 | 3.664 | 3.681 | 3.912 | E6 16.05 |
| 28) 2,4'-DDD | 2.567 | 2.380 | 1.957 | 1.877 | 1.873 | 1.993 | 1.950 | 2.041 | 2.142 | 2.087 | E6 11.44 |
| 29) 2,4'-DDT | 2.435 | 2.238 | 1.840 | 1.755 | 1.804 | 2.013 | 1.983 | 2.086 | 2.156 | 2.034 | E6 10.87 |
| 30) cis-Nonachlor | 4.994 | 4.619 | 4.035 | 3.783 | 3.795 | 3.897 | 3.879 | 3.968 | 4.037 | 4.112 | E6 10.09 |
| 31) Mirex | 3.904 | 3.450 | 2.802 | 2.556 | 2.442 | 2.514 | 2.436 | 2.440 | 2.516 | 2.784 | E6 19.05 |
| 32) Chlordane (1) | 4.409 | 3.855 | 3.873 | 3.897 | 4.173 | 4.254 | 4.454 | | | 4.131 | E5 6.21 |
| 33) Chlordane (2) | 5.648 | 4.880 | 4.920 | 4.765 | 5.149 | 5.216 | 5.438 | | | 5.145 | E5 6.20 |
| 34) Chlordane (3) | 1.512 | 1.206 | 1.207 | 1.192 | 1.285 | 1.294 | 1.353 | | | 1.293 | E5 8.74 |
| 35) Chlordane - AVE | | | | | | | | | | 0.000 | -1.00 |
| 36) Toxaphene (1) | 2.232 | 1.734 | 1.662 | 1.596 | 1.599 | 1.592 | 1.662 | | | 1.725 | E4 13.29 |
| 37) Toxaphene (2) | 4.283 | 3.503 | 3.335 | 3.118 | 3.059 | 3.084 | 3.165 | | | 3.364 | E4 12.94 |
| 38) Toxaphene (3) | 8.667 | 6.860 | 6.846 | 6.691 | 7.144 | 7.258 | 7.316 | | | 7.255 | E4 9.16 |
| 39) Toxaphene (4) | 1.189 | 0.717 | 0.669 | 0.641 | 0.643 | 0.668 | 0.690 | | | 0.745 | E5 26.48 |
| 40) Toxaphene (5) | 5.990 | 4.886 | 4.962 | 4.784 | 5.097 | 5.284 | 5.455 | | | 5.208 | E4 7.98 |
| 41) Toxaphene (6) | 8.607 | 6.954 | 6.836 | 6.830 | 7.108 | 7.516 | 7.806 | | | 7.380 | E4 8.85 |
| 42) Toxaphene - AVE | | | | | | | | | | 0.000 | -1.00 |

MJB
6/8/20

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_200606.M
 Title : Instrument: DualECD8

Signal #2 Calibration Files

1 =ECD8-06062036.D 2 =ECD8-06062037.D 3 =ECD8-06062038.D
 4 =ECD8-06062039.D 5 =ECD8-06062040.D 6 =ECD8-06062041.D

| Compound | 1 | 2 | 3 | 4 | 5 | 6 | Avg | %RSD | | | | |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-------|
| 44) S TCMX (S) #2 | 4.082 | 3.665 | 3.136 | 3.184 | 3.187 | 3.311 | 3.577 | 3.856 | 3.952 | 3.550 | E6 | 10.18 |
| 45) a-BHC #2 | 4.536 | 4.299 | 4.205 | 4.441 | 4.628 | 4.719 | 5.064 | 5.356 | 5.648 | 4.766 | E6 | 10.30 |
| 46) g-BHC #2 | 4.283 | 3.940 | 3.809 | 3.918 | 4.102 | 4.249 | 4.551 | 4.659 | 4.912 | 4.269 | E6 | 8.75 |
| 47) b-BHC #2 | 2.138 | 1.907 | 1.680 | 1.664 | 1.678 | 1.682 | 1.799 | 1.931 | 1.973 | 1.828 | E6 | 9.23 |
| 48) Heptachlor #2 | 4.575 | 4.131 | 3.780 | 3.839 | 4.058 | 4.104 | 4.344 | 4.675 | 4.629 | 4.237 | E6 | 7.92 |
| 49) d-BHC #2 | 3.572 | 3.489 | 3.402 | 3.618 | 3.657 | 4.003 | 4.222 | 4.664 | 4.773 | 3.933 | E6 | 13.07 |
| 50) Aldrin #2 | 4.047 | 3.671 | 3.628 | 3.793 | 3.945 | 3.990 | 4.119 | 4.375 | 4.524 | 4.010 | E6 | 7.50 |
| 51) Heptachlor Exp... | 4.061 | 3.756 | 3.483 | 3.538 | 3.671 | 3.571 | 3.769 | 3.983 | 4.050 | 3.765 | E6 | 5.89 |
| 52) trans-Chlordan... | 4.273 | 3.715 | 3.484 | 3.545 | 3.566 | 3.641 | 3.838 | 4.114 | 4.187 | 3.818 | E6 | 7.87 |
| 53) cis-Chlordane #2 | 4.314 | 3.733 | 3.472 | 3.400 | 3.378 | 3.612 | 3.800 | 3.890 | 3.934 | 3.726 | E6 | 8.08 |
| 54) Endosulfan I #2 | 3.638 | 3.245 | 3.145 | 3.163 | 3.187 | 3.251 | 3.438 | 3.700 | 3.762 | 3.392 | E6 | 7.31 |
| 55) 4,4'-DDE #2 | 3.427 | 3.126 | 3.020 | 3.224 | 3.334 | 3.631 | 3.818 | 4.054 | 4.306 | 3.549 | E6 | 12.34 |
| 56) Dieldrin #2 | 3.882 | 3.632 | 3.445 | 3.558 | 3.602 | 3.779 | 4.052 | 4.344 | 4.405 | 3.855 | E6 | 8.97 |
| 57) Endrin #2 | 3.089 | 2.730 | 2.661 | 2.646 | 2.810 | 2.885 | 3.068 | 3.273 | 3.445 | 2.956 | E6 | 9.50 |
| 58) 4,4'-DDD #2 | 2.867 | 2.582 | 2.395 | 2.508 | 2.661 | 2.887 | 3.123 | 3.345 | 3.516 | 2.876 | E6 | 13.41 |
| 59) Endosulfan II #2 | 3.230 | 2.841 | 2.757 | 2.783 | 2.777 | 2.935 | 3.139 | 3.229 | 3.523 | 3.024 | E6 | 8.89 |
| 60) 4,4'-DDT #2 | 2.795 | 2.507 | 2.260 | 2.328 | 2.531 | 2.809 | 2.950 | 3.241 | 3.358 | 2.753 | E6 | 13.96 |
| 61) Endrin Aldehyd... | 3.437 | 3.155 | 2.859 | 2.597 | 2.580 | 2.586 | 2.802 | 2.988 | 3.036 | 2.893 | E6 | 10.10 |
| 62) Endosulfan Sul... | 3.185 | 2.906 | 2.740 | 2.699 | 2.649 | 2.811 | 3.081 | 3.260 | 3.355 | 2.965 | E6 | 8.84 |
| 63) Methoxychlor #2 | 1.595 | 1.408 | 1.198 | 1.192 | 1.280 | 1.313 | 1.339 | 1.429 | 1.595 | 1.372 | E6 | 10.93 |
| 64) Endrin Ketone #2 | 3.839 | 3.295 | 3.005 | 3.027 | 3.030 | 3.227 | 3.460 | 3.605 | 3.743 | 3.359 | E6 | 9.50 |
| 65) S DCBP (S) #2 | 3.200 | 2.733 | 2.449 | 2.358 | 2.313 | 2.358 | 2.423 | 2.563 | 2.636 | 2.559 | E6 | 10.87 |
| 66) Hexachlorobuta... | 5.662 | 5.391 | 4.629 | 4.533 | 4.332 | 4.447 | 4.214 | 4.288 | 4.785 | 4.698 | E6 | 10.77 |
| 67) Hexachlorobenz... | 3.915 | 3.490 | 3.007 | 2.718 | 2.774 | 3.189 | 3.185 | 3.378 | 3.648 | 3.256 | E6 | 12.15 |
| 68) Oxychlordane #2 | 4.156 | 3.680 | 3.159 | 2.952 | 2.917 | 3.137 | 3.079 | 3.222 | 3.312 | 3.291 | E6 | 11.99 |
| 69) 2,4'-DDE #2 | 3.189 | 2.644 | 2.182 | 2.136 | 2.130 | 2.349 | 2.314 | 2.474 | 2.618 | 2.449 | E6 | 13.80 |
| 70) trans-Nonachlo... | 4.909 | 4.150 | 3.639 | 3.275 | 3.327 | 3.491 | 3.365 | 3.586 | 3.683 | 3.714 | E6 | 13.98 |
| 71) 2,4'-DDD #2 | 2.371 | 2.358 | 2.010 | 1.828 | 1.832 | 2.018 | 1.969 | 2.084 | 2.236 | 2.078 | E6 | 9.81 |
| 72) 2,4'-DDT #2 | 2.483 | 2.244 | 1.842 | 1.790 | 1.883 | 2.088 | 2.079 | 2.309 | 2.477 | 2.133 | E6 | 12.33 |
| 73) cis-Nonachlor #2 | 4.687 | 4.362 | 3.778 | 3.551 | 3.709 | 3.854 | 3.796 | 3.945 | 4.289 | 3.997 | E6 | 9.23 |
| 74) Mirex #2 | 3.409 | 3.067 | 2.624 | 2.313 | 2.212 | 2.291 | 2.229 | 2.384 | 2.431 | 2.551 | E6 | 16.35 |
| 75) Chlordane (1) #2 | 4.482 | 3.900 | 4.035 | 3.945 | 4.480 | 4.646 | 4.833 | | | 4.331 | E5 | 8.53 |
| 76) Chlordane (2) #2 | 3.943 | 3.319 | 3.399 | 3.308 | 3.659 | 3.844 | 4.066 | | | 3.648 | E5 | 8.57 |
| 77) Chlordane (3) #2 | 1.378 | 1.106 | 1.088 | 1.053 | 1.197 | 1.218 | 1.310 | | | 1.193 | E5 | 10.09 |
| 78) Chlordane - AV... | | | | | | | | | | 0.000 | | -1.00 |
| 79) Toxaphene (1) #2 | 3.725 | 3.338 | 3.187 | 3.087 | 3.168 | 3.208 | 3.256 | | | 3.281 | E4 | 6.41 |
| 80) Toxaphene (2) #2 | 4.550 | 4.055 | 4.059 | 4.060 | 4.161 | 4.356 | 4.569 | | | 4.258 | E4 | 5.43 |
| 81) Toxaphene (3) #2 | 7.373 | 6.099 | 5.828 | 5.829 | 6.030 | 6.334 | 6.736 | | | 6.319 | E4 | 8.90 |
| 82) Toxaphene (4) #2 | 2.581 | 1.169 | 1.056 | 1.022 | 1.058 | 1.087 | 1.134 | | | 1.301 | E5 | 43.57 |
| 83) Toxaphene (5) #2 | 6.964 | 5.396 | 5.383 | 5.393 | 5.693 | 5.895 | 6.377 | | | 5.872 | E4 | 10.25 |
| 84) Toxaphene (6) #2 | 7.425 | 6.044 | 5.802 | 5.862 | 6.181 | 6.663 | 6.996 | | | 6.425 | E4 | 9.62 |
| 85) Toxaphene - AV... | | | | | | | | | | 0.000 | | -1.00 |

(#) = Out of Range

Compound List Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_200606.M
 Title : Instrument: DualECD8
 Last Update : Sun Jun 07 14:07:09 2020
 Response Via : Initial Calibration

Total Cpnds : 85

MJB
6/14/20

| PK# | Compound Name | Exp_RT | Rel_RT | Cal | A/H | ID |
|-----|------------------------|--------|--------|-----|-----|----|
| 1 | S TCMX (S) | 5.274 | 1.000 | A | H | R |
| 2 | a-BHC | 5.813 | 1.000 | A | H | R |
| 3 | g-BHC | 6.094 | 1.000 | A | H | R |
| 4 | b-BHC | 6.171 | 1.000 | A | H | R |
| 5 | Heptachlor | 6.504 | 1.000 | A | H | R |
| 6 | d-BHC | 6.319 | 1.000 | Q | H | R |
| 7 | Aldrin | 6.745 | 1.000 | A | H | R |
| 8 | Heptachlor Expoxide | 7.205 | 1.000 | A | H | R |
| 9 | trans-Chlordane | 7.301 | 1.000 | A | H | R |
| 10 | cis-Chlordane | 7.398 | 1.000 | Q | H | R |
| 11 | Endosulfan I | 7.494 | 1.000 | A | H | R |
| 12 | 4,4'-DDE | 7.464 | 1.000 | A | H | R |
| 13 | Dieldrin | 7.666 | 1.000 | A | H | R |
| 14 | Endrin | 7.831 | 1.000 | A | H | R |
| 15 | 4,4'-DDD | 7.884 | 1.000 | A | H | R |
| 16 | Endosulfan II | 7.987 | 1.000 | A | H | R |
| 17 | 4,4'-DDT | 8.083 | 1.000 | Q | H | R |
| 18 | Endrin Aldehyde | 8.278 | 1.000 | Q | H | R |
| 19 | Endosulfan Sulfate | 8.580 | 1.000 | A | H | R |
| 20 | Methoxychlor | 8.423 | 1.000 | Q | H | R |
| 21 | Endrin Ketone | 8.774 | 1.000 | A | H | R |
| 22 | S DCBP (S) | 9.481 | 1.000 | Q | H | R |
| 23 | Hexachlorobutadiene | 3.047 | 1.000 | Q | H | R |
| 24 | Hexachlorobenzene | 5.655 | 1.000 | Q | H | R |
| 25 | Oxychlordane | 7.134 | 1.000 | Q | H | R |
| 26 | 2,4'-DDE | 7.214 | 1.000 | A | H | R |
| 27 | trans-Nonachlor | 7.391 | 1.000 | Q | H | R |
| 28 | 2,4'-DDD | 7.585 | 1.000 | Q | H | R |
| 29 | 2,4'-DDT | 7.768 | 1.000 | Q | H | R |
| 30 | cis-Nonachlor | 7.860 | 1.000 | A | H | R |
| 31 | Mirex | 8.526 | 1.000 | Q | H | R |
| 32 | Chlordane (1) | 7.302 | 1.000 | A | H | R |
| 33 | Chlordane (2) | 7.396 | 1.000 | A | H | R |
| 34 | Chlordane (3) | 7.944 | 1.000 | A | H | R |
| 35 | Chlordane - AVE | 0.000 | 1.000 | A | H | R |
| 36 | Toxaphene (1) | 7.376 | 1.000 | Q | H | R |
| 37 | Toxaphene (2) | 7.668 | 1.000 | Q | H | R |
| 38 | Toxaphene (3) | 7.980 | 1.000 | A | H | R |
| 39 | Toxaphene (4) | 8.221 | 1.000 | Q | H | R |
| 40 | Toxaphene (5) | 8.448 | 1.000 | A | H | R |
| 41 | Toxaphene (6) | 8.515 | 1.000 | A | H | R |
| 42 | Toxaphene - AVE | 0.000 | 1.000 | A | H | R |
| 43 | Signal #2 | 0.000 | 1.000 | A | H | R |
| 44 | S TCMX (S) #2 | 5.847 | 1.000 | A | H | R |
| 45 | a-BHC #2 | 6.453 | 1.000 | A | H | R |
| 46 | g-BHC #2 | 6.772 | 1.000 | A | H | R |
| 47 | b-BHC #2 | 6.838 | 1.000 | A | H | R |
| 48 | Heptachlor #2 | 7.142 | 1.000 | A | H | R |
| 49 | d-BHC #2 | 7.091 | 1.000 | Q | H | R |
| 50 | Aldrin #2 | 7.406 | 1.000 | A | H | R |
| 51 | Heptachlor Expoxide #2 | 7.847 | 1.000 | A | H | R |
| 52 | trans-Chlordane #2 | 7.987 | 1.000 | A | H | R |
| 53 | cis-Chlordane #2 | 8.095 | 1.000 | A | H | R |
| 54 | Endosulfan I #2 | 8.144 | 1.000 | A | H | R |
| 55 | 4,4'-DDE #2 | 8.206 | 1.000 | Q | H | R |
| 56 | Dieldrin #2 | 8.344 | 1.000 | A | H | R |

| | | | | | | |
|----|------------------------|--------|-------|---|---|---|
| 57 | Endrin #2 | 8.571 | 1.000 | A | H | R |
| 58 | 4,4'-DDD #2 | 8.623 | 1.000 | Q | H | R |
| 59 | Endosulfan II #2 | 8.720 | 1.000 | A | H | R |
| 60 | 4,4'-DDT #2 | 8.849 | 1.000 | Q | H | R |
| 61 | Endrin Aldehyde #2 | 8.958 | 1.000 | A | H | R |
| 62 | Endosulfan Sulfate #2 | 9.150 | 1.000 | A | H | R |
| 63 | Methoxychlor #2 | 9.334 | 1.000 | Q | H | R |
| 64 | Endrin Ketone #2 | 9.549 | 1.000 | A | H | R |
| 65 | S DCBP (S) #2 | 10.396 | 1.000 | Q | H | R |
| 66 | Hexachlorobutadiene #2 | 3.534 | 1.000 | Q | H | R |
| 67 | Hexachlorobenzene #2 | 6.312 | 1.000 | Q | H | R |
| 68 | Oxychlorane #2 | 7.774 | 1.000 | Q | H | R |
| 69 | 2,4'-DDE #2 | 7.982 | 1.000 | Q | H | R |
| 70 | trans-Nonachlor #2 | 8.049 | 1.000 | Q | H | R |
| 71 | 2,4'-DDD #2 | 8.357 | 1.000 | A | H | R |
| 72 | 2,4'-DDT #2 | 8.581 | 1.000 | Q | H | R |
| 73 | cis-Nonachlor #2 | 8.616 | 1.000 | A | H | R |
| 74 | Mirex #2 | 9.536 | 1.000 | Q | H | R |
| 75 | Chlordane (1) #2 | 7.986 | 1.000 | A | H | R |
| 76 | Chlordane (2) #2 | 8.094 | 1.000 | A | H | R |
| 77 | Chlordane (3) #2 | 8.755 | 1.000 | A | H | R |
| 78 | Chlordane - AVE #2 | 0.000 | 1.000 | A | H | R |
| 79 | Toxaphene (1) #2 | 8.323 | 1.000 | A | H | R |
| 80 | Toxaphene (2) #2 | 8.671 | 1.000 | A | H | R |
| 81 | Toxaphene (3) #2 | 8.704 | 1.000 | A | H | R |
| 82 | Toxaphene (4) #2 | 8.772 | 1.000 | Q | H | R |
| 83 | Toxaphene (5) #2 | 8.951 | 1.000 | A | H | R |
| 84 | Toxaphene (6) #2 | 9.330 | 1.000 | A | H | R |
| 85 | Toxaphene - AVE #2 | 0.000 | 1.000 | A | H | R |

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

ECD8_QUANTPEST_200606.M Mon Jun 08 11:13:49 2020

Calibration Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_200606.M
 Title : Instrument: DualECD8
 Last Update : Sun Jun 07 14:07:09 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD8-06062036 2 =ECD8-06062037 3 =ECD8-06062038 4 =ECD8-06062039 5 =ECD8-06062040
 6 =ECD8-06062041 7 =ECD8-06062042 8 =ECD8-06062023 9 =ECD8-06062024

| | Compound | Fit | Constant | Linear | Quad | RSD/Cf |
|-------|---------------------|------|------------|-----------|-----------|--------|
| 1) S | TCMX (S) | Avg | ----- | 3.6472 e6 | ----- | 0.0558 |
| 2) | a-BHC | Avg | ----- | 4.8731 e6 | ----- | 0.0600 |
| 3) | g-BHC | Avg | ----- | 4.2706 e6 | ----- | 0.0586 |
| 4) | b-BHC | Avg | ----- | 1.8031 e6 | ----- | 0.0735 |
| 5) | Heptachlor | Avg | ----- | 3.9537 e6 | ----- | 0.0648 |
| 6) | d-BHC | Quad | -1.1242 e5 | 3.4077 e6 | 6.0334 e3 | 0.9966 |
| 7) | Aldrin | Avg | ----- | 4.3119 e6 | ----- | 0.0401 |
| 8) | Heptachlor Expoxide | Avg | ----- | 3.9520 e6 | ----- | 0.0628 |
| 9) | trans-Chlordane | Avg | ----- | 4.0235 e6 | ----- | 0.0716 |
| 10) | cis-Chlordane | Quad | 7.5333 e5 | 3.6188 e6 | 2.5560 e3 | 0.9994 |
| 11) | Endosulfan I | Avg | ----- | 3.6810 e6 | ----- | 0.0467 |
| 12) | 4,4'-DDE | Avg | ----- | 3.6651 e6 | ----- | 0.0657 |
| 13) | Dieldrin | Avg | ----- | 4.0366 e6 | ----- | 0.0533 |
| 14) | Endrin | Avg | ----- | 3.3746 e6 | ----- | 0.0584 |
| 15) | 4,4'-DDD | Avg | ----- | 2.8532 e6 | ----- | 0.0910 |
| 16) | Endosulfan II | Avg | ----- | 3.0428 e6 | ----- | 0.0749 |
| 17) | 4,4'-DDT | Quad | -2.1004 e4 | 2.2730 e6 | 3.8808 e3 | 0.9954 |
| 18) | Endrin Aldehyde | Quad | 5.4281 e5 | 2.7218 e6 | 1.1816 e3 | 0.9996 |
| 19) | Endosulfan Sulfate | Avg | ----- | 2.9533 e6 | ----- | 0.0660 |
| 20) | Methoxychlor | Quad | 1.5057 e5 | 1.0505 e6 | 1.7538 e3 | 0.9972 |
| 21) | Endrin Ketone | Avg | ----- | 3.5666 e6 | ----- | 0.0854 |
| 22) S | DCBP (S) | Quad | 6.0484 e5 | 2.8210 e6 | 6.1200 e2 | 0.9996 |
| 23) | Hexachlorobutadiene | Quad | 7.1449 e5 | 3.7630 e6 | 7.9174 e1 | 0.9976 |
| 24) | Hexachlorobenzene | Quad | 5.8355 e5 | 3.0443 e6 | 2.0085 e3 | 0.9988 |
| 25) | Oxychlordane | Quad | 6.1480 e5 | 3.1506 e6 | 1.1700 e3 | 0.9980 |
| 26) | 2,4'-DDE | Avg | ----- | 2.3933 e6 | ----- | 0.1030 |
| 27) | trans-Nonachlor | Quad | 9.8361 e5 | 3.4208 e6 | 1.5502 e3 | 0.9995 |
| 28) | 2,4'-DDD | Quad | 3.7479 e5 | 1.8592 e6 | 1.5119 e3 | 0.9981 |
| 29) | 2,4'-DDT | Quad | 3.1813 e5 | 1.8081 e6 | 2.0429 e3 | 0.9965 |
| 30) | cis-Nonachlor | Avg | ----- | 4.1119 e6 | ----- | 0.1009 |
| 31) | Mirex | Quad | 7.8655 e5 | 2.4329 e6 | 2.9319 e2 | 0.9980 |
| 32) | Chlordane (1) | Avg | ----- | 4.1307 e5 | ----- | 0.0621 |
| 33) | Chlordane (2) | Avg | ----- | 5.1450 e5 | ----- | 0.0620 |
| 34) | Chlordane (3) | Avg | ----- | 1.2928 e5 | ----- | 0.0874 |
| 35) | Chlordane - AVE | Avg | ----- | ----- | ----- | 0.0000 |
| 36) | Toxaphene (1) | Quad | 6.6198 e4 | 1.5753 e4 | 0.3458 | 0.9998 |
| 37) | Toxaphene (2) | Quad | 1.1677 e5 | 3.1427 e4 | -0.1792 | 0.9991 |
| 38) | Toxaphene (3) | Avg | ----- | 7.2546 e4 | ----- | 0.0916 |
| 39) | Toxaphene (4) | Quad | 5.8052 e5 | 6.0640 e4 | 4.3696 | 0.9999 |
| 40) | Toxaphene (5) | Avg | ----- | 5.2084 e4 | ----- | 0.0798 |
| 41) | Toxaphene (6) | Avg | ----- | 7.3796 e4 | ----- | 0.0885 |
| 42) | Toxaphene - AVE | Avg | ----- | ----- | ----- | 0.0000 |

MJB
6/9/20

Signal #2

| | Compound | Fit | Constant | Linear | Quad | RSD/Cf |
|------|------------|------|------------|-----------|-----------|--------|
| 1) S | TCMX (S) | Avg | ----- | 3.5501 e6 | ----- | 0.1018 |
| 2) | a-BHC | Avg | ----- | 4.7662 e6 | ----- | 0.1030 |
| 3) | g-BHC | Avg | ----- | 4.2691 e6 | ----- | 0.0875 |
| 4) | b-BHC | Avg | ----- | 1.8279 e6 | ----- | 0.0923 |
| 5) | Heptachlor | Avg | ----- | 4.2374 e6 | ----- | 0.0792 |
| 6) | d-BHC | Quad | -1.3192 e5 | 3.7111 e6 | 6.3808 e3 | 0.9970 |
| 7) | Aldrin | Avg | ----- | 4.0102 e6 | ----- | 0.0750 |

| | | | | | | | |
|-------|---------------------|------|------------|--------|-------|-----------|--------|
| 8) | Heptachlor Epoxide | Avg | ----- | 3.7647 | e6 | ----- | 0.0589 |
| 9) | trans-Chlordane | Avg | ----- | 3.8181 | e6 | ----- | 0.0787 |
| 10) | cis-Chlordane | Avg | ----- | 3.7257 | e6 | ----- | 0.0808 |
| 11) | Endosulfan I | Avg | ----- | 3.3922 | e6 | ----- | 0.0731 |
| 12) | 4,4'-DDE | Quad | -1.9448 e4 | 3.3036 | e6 | 5.8007 e3 | 0.9966 |
| 13) | Dieldrin | Avg | ----- | 3.8554 | e6 | ----- | 0.0897 |
| 14) | Endrin | Avg | ----- | 2.9564 | e6 | ----- | 0.0950 |
| 15) | 4,4'-DDD | Quad | 6.0449 e4 | 2.6172 | e6 | 5.3234 e3 | 0.9953 |
| 16) | Endosulfan II | Avg | ----- | 3.0239 | e6 | ----- | 0.0889 |
| 17) | 4,4'-DDT | Quad | 9.5234 e4 | 2.4810 | e6 | 5.2900 e3 | 0.9940 |
| 18) | Endrin Aldehyde | Avg | ----- | 2.8933 | e6 | ----- | 0.1010 |
| 19) | Endosulfan Sulfate | Avg | ----- | 2.9651 | e6 | ----- | 0.0884 |
| 20) | Methoxychlor | Quad | 1.8798 e5 | 1.1997 | e6 | 2.0905 e3 | 0.9982 |
| 21) | Endrin Ketone | Avg | ----- | 3.3588 | e6 | ----- | 0.0950 |
| 22) S | DCBP (S) | Quad | 4.5507 e5 | 2.2738 | e6 | 2.0463 e3 | 0.9996 |
| 23) | Hexachlorobutadiene | Quad | 7.6660 e5 | 4.2884 | e6 | 1.8178 e3 | 0.9980 |
| 24) | Hexachlorobenzene | Quad | 5.5412 e5 | 2.8152 | e6 | 4.6254 e3 | 0.9969 |
| 25) | Oxychlordane | Quad | 6.3062 e5 | 2.9227 | e6 | 2.2025 e3 | 0.9988 |
| 26) | 2,4'-DDE | Quad | 5.2842 e5 | 2.0909 | e6 | 2.9763 e3 | 0.9974 |
| 27) | trans-Nonachlor | Quad | 8.3423 e5 | 3.2497 | e6 | 2.4054 e3 | 0.9991 |
| 28) | 2,4'-DDD | Avg | ----- | 2.0783 | e6 | ----- | 0.0981 |
| 29) | 2,4'-DDT | Quad | 3.1516 e5 | 1.8410 | e6 | 3.5728 e3 | 0.9965 |
| 30) | cis-Nonachlor | Avg | ----- | 3.9969 | e6 | ----- | 0.0923 |
| 31) | Mirex | Quad | 6.4024 e5 | 2.2320 | e6 | 9.9420 e2 | 0.9978 |
| 32) | Chlordane (1) | Avg | ----- | 4.3314 | e5 | ----- | 0.0853 |
| 33) | Chlordane (2) | Avg | ----- | 3.6484 | e5 | ----- | 0.0857 |
| 34) | Chlordane (3) | Avg | ----- | 1.1928 | e5 | ----- | 0.1009 |
| 35) | Chlordane - AVE | Avg | ----- | ----- | ----- | ----- | 0.0000 |
| 36) | Toxaphene (1) | Avg | ----- | 3.2814 | e4 | ----- | 0.0641 |
| 37) | Toxaphene (2) | Avg | ----- | 4.2585 | e4 | ----- | 0.0543 |
| 38) | Toxaphene (3) | Avg | ----- | 6.3186 | e4 | ----- | 0.0890 |
| 39) | Toxaphene (4) | Quad | 1.6657 e6 | 8.9997 | e4 | 1.2942 e1 | 0.9976 |
| 40) | Toxaphene (5) | Avg | ----- | 5.8716 | e4 | ----- | 0.1025 |
| 41) | Toxaphene (6) | Avg | ----- | 6.4246 | e4 | ----- | 0.0962 |
| 42) | Toxaphene - AVE | Avg | ----- | ----- | ----- | ----- | 0.0000 |

ECD8_QUANTPEST_200606.M Mon Jun 08 11:14:05 2020

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

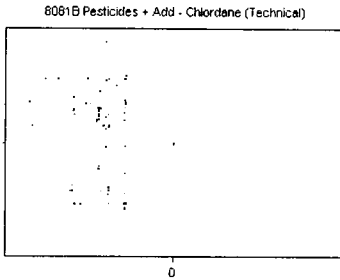
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_200601**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

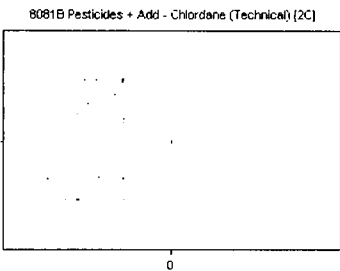


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0F06008-CALJ | 10 | 0 | 0.000 | 0.00 |
| 0F06008-CALK | 50 | 0 | 0.000 | 0.00 |
| 0F06008-CALL | 100 | 0 | 0.000 | 0.00 |
| 0F06008-CALM | 200 | 0 | 0.000 | 0.00 |
| 0F06008-CALN | 500 | 0 | 0.000 | 0.00 |
| 0F06008-CALO | 1000 | 0 | 0.000 | 0.00 |
| 0F06008-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**

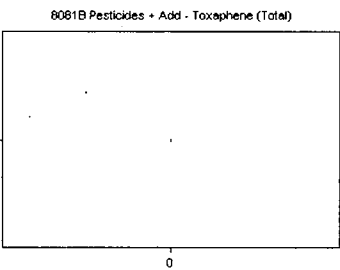


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0F06008-CALJ | 10 | 0 | 0.000 | 0.00 |
| 0F06008-CALK | 50 | 0 | 0.000 | 0.00 |
| 0F06008-CALL | 100 | 0 | 0.000 | 0.00 |
| 0F06008-CALM | 200 | 0 | 0.000 | 0.00 |
| 0F06008-CALN | 500 | 0 | 0.000 | 0.00 |
| 0F06008-CALO | 1000 | 0 | 0.000 | 0.00 |
| 0F06008-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**

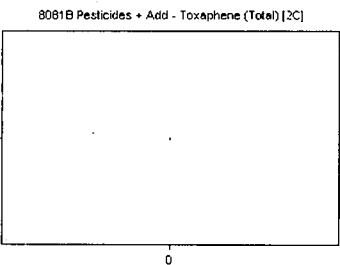


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0F06008-CALQ | 10 | 0 | 0.000 | 0.00 |
| 0F06008-CALR | 50 | 0 | 0.000 | 0.00 |
| 0F06008-CALS | 100 | 0 | 0.000 | 0.00 |
| 0F06008-CALT | 200 | 0 | 0.000 | 0.00 |
| 0F06008-CALU | 500 | 0 | 0.000 | 0.00 |
| 0F06008-CALV | 1000 | 0 | 0.000 | 0.00 |
| 0F06008-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 |
|--------------|---------------|----------|-----------------|------|
| 0F06008-CALQ | 10 | 0 | 0.000 | 0.00 |
| 0F06008-CALR | 50 | 0 | 0.000 | 0.00 |
| 0F06008-CALS | 100 | 0 | 0.000 | 0.00 |
| 0F06008-CALT | 200 | 0 | 0.000 | 0.00 |
| 0F06008-CALU | 500 | 0 | 0.000 | 0.00 |
| 0F06008-CALV | 1000 | 0 | 0.000 | 0.00 |
| 0F06008-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: **A0F0804**

Instrument: **DUALECD8**

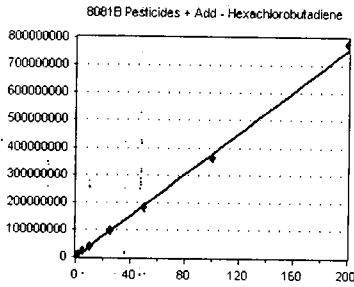
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20060**

Hexachlorobutadiene

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

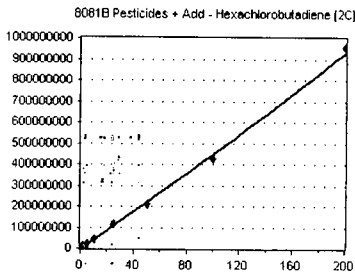


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 2512894 | 5025788.000 | 3.05 |
| OF06008-CALB | 1 | 4817265 | 4817265.000 | 3.05 |
| OF06008-CALC | 2 | 8189944 | 4094972.000 | 3.05 |
| OF06008-CALD | 5 | 1.982969E+07 | 3965938.000 | 3.05 |
| OF06008-CALE | 10 | 3.803698E+07 | 3803698.000 | 3.05 |
| OF06008-CALF | 25 | 9.529468E+07 | 3811787.000 | 3.05 |
| OF06008-CALG | 50 | 1.811247E+08 | 3622494.000 | 3.05 |
| OF06008-CALH | 100 | 3.633748E+08 | 3633748.000 | 3.05 |
| OF06008-CALI | 200 | 7.782024E+08 | 3891012.000 | 3.05 |

AVE RF 4074078.000 RF RSD 12.41 AVE RT 3.05

Hexachlorobutadiene [2C]

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

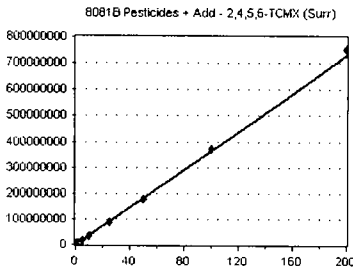


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 2831116 | 5662232.000 | 3.53 |
| OF06008-CALB | 1 | 5390738 | 5390738.000 | 3.53 |
| OF06008-CALC | 2 | 9258660 | 4629330.000 | 3.53 |
| OF06008-CALD | 5 | 2.266468E+07 | 4532936.000 | 3.53 |
| OF06008-CALE | 10 | 4.332244E+07 | 4332244.000 | 3.53 |
| OF06008-CALF | 25 | 1.111811E+08 | 4447244.000 | 3.53 |
| OF06008-CALG | 50 | 2.106969E+08 | 4213938.000 | 3.54 |
| OF06008-CALH | 100 | 4.287604E+08 | 4287604.000 | 3.53 |
| OF06008-CALI | 200 | 9.570979E+08 | 4785490.000 | 3.54 |

AVE RF 4697973.000 RF RSD 10.77 AVE RT 3.53

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

Curve Fit: **AVERAGE RF**

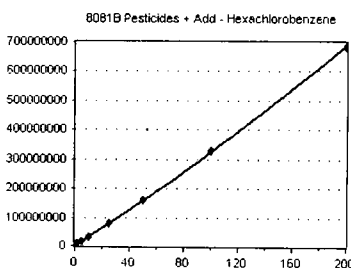


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2044821 | 4089642.000 | 5.28 |
| OF06008-CAL2 | 1 | 3739252 | 3739252.000 | 5.27 |
| OF06008-CAL3 | 2 | 6945394 | 3472697.000 | 5.28 |
| OF06008-CAL4 | 5 | 1.749523E+07 | 3499046.000 | 5.28 |
| OF06008-CAL5 | 10 | 3.498695E+07 | 3498695.000 | 5.27 |
| OF06008-CAL6 | 25 | 8.672869E+07 | 3469148.000 | 5.27 |
| OF06008-CAL7 | 50 | 1.790503E+08 | 3581006.000 | 5.27 |
| OF06008-CAL8 | 100 | 3.72218E+08 | 3722180.000 | 5.28 |
| OF06008-CAL9 | 200 | 7.506074E+08 | 3753037.000 | 5.28 |

AVE RF 3647189.000 RF RSD 5.58 AVE RT 5.27

Hexachlorobenzene

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 2070033 | 4140066.000 | 5.66 |
| OF06008-CALB | 1 | 3808389 | 3808389.000 | 5.66 |
| OF06008-CALC | 2 | 6674738 | 3337369.000 | 5.66 |
| OF06008-CALD | 5 | 1.514618E+07 | 3029236.000 | 5.66 |
| OF06008-CALE | 10 | 3.038142E+07 | 3038142.000 | 5.66 |
| OF06008-CALF | 25 | 7.988011E+07 | 3195205.000 | 5.66 |
| OF06008-CALG | 50 | 1.60025E+08 | 3200500.000 | 5.66 |
| OF06008-CALH | 100 | 3.280487E+08 | 3280487.000 | 5.66 |
| OF06008-CALI | 200 | 6.84096E+08 | 3420480.000 | 5.66 |

AVE RF 3383319.000 RF RSD 10.86 AVE RT 5.66

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

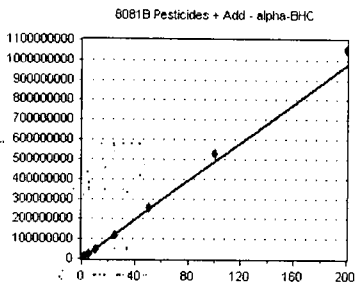
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_200601**

alpha-BHC

Curve Fit: **AVERAGE RF**

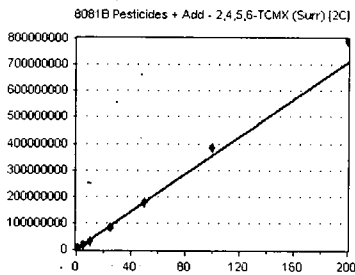


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2436012 | 4872024.000 | 5.81 |
| OF06008-CAL2 | 1 | 4659043 | 4659043.000 | 5.81 |
| OF06008-CAL3 | 2 | 8934865 | 4467433.000 | 5.81 |
| OF06008-CAL4 | 5 | 2.322514E+07 | 4645028.000 | 5.81 |
| OF06008-CAL5 | 10 | 4.79434E+07 | 4794340.000 | 5.81 |
| OF06008-CAL6 | 25 | 1.188076E+08 | 4752304.000 | 5.81 |
| OF06008-CAL7 | 50 | 2.537892E+08 | 5075784.000 | 5.81 |
| OF06008-CAL8 | 100 | 5.316676E+08 | 5316676.000 | 5.81 |
| OF06008-CAL9 | 200 | 1.055142E+09 | 5275710.000 | 5.81 |

AVE RF 4873149.000 **RF RSD** 6.00 **AVE RT** 5.81

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

Curve Fit: **AVERAGE RF**

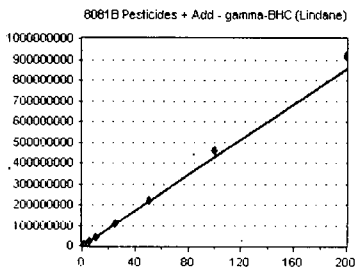


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2041136 | 4082272.000 | 5.85 |
| OF06008-CAL2 | 1 | 3664569 | 3664569.000 | 5.85 |
| OF06008-CAL3 | 2 | 6272971 | 3136486.000 | 5.85 |
| OF06008-CAL4 | 5 | 1.592129E+07 | 3184258.000 | 5.85 |
| OF06008-CAL5 | 10 | 3.187282E+07 | 3187282.000 | 5.85 |
| OF06008-CAL6 | 25 | 8.27845E+07 | 3311380.000 | 5.85 |
| OF06008-CAL7 | 50 | 1.788299E+08 | 3576598.000 | 5.85 |
| OF06008-CAL8 | 100 | 3.855692E+08 | 3855692.000 | 5.85 |
| OF06008-CAL9 | 200 | 7.90438E+08 | 3952190.000 | 5.85 |

AVE RF 3550081.000 **RF RSD** 10.18 **AVE RT** 5.85

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

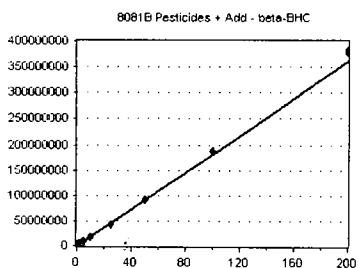


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2216617 | 4433234.000 | 6.10 |
| OF06008-CAL2 | 1 | 4062836 | 4062836.000 | 6.10 |
| OF06008-CAL3 | 2 | 7777680 | 3888840.000 | 6.10 |
| OF06008-CAL4 | 5 | 2.038635E+07 | 4077270.000 | 6.10 |
| OF06008-CAL5 | 10 | 4.130726E+07 | 4130726.000 | 6.09 |
| OF06008-CAL6 | 25 | 1.057326E+08 | 4229304.000 | 6.10 |
| OF06008-CAL7 | 50 | 2.222262E+08 | 4444524.000 | 6.09 |
| OF06008-CAL8 | 100 | 4.573063E+08 | 4573063.000 | 6.10 |
| OF06008-CAL9 | 200 | 9.190418E+08 | 4595209.000 | 6.10 |

AVE RF 4270556.000 **RF RSD** 5.86 **AVE RT** 6.10

beta-BHC

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1029510 | 2059020.000 | 6.18 |
| OF06008-CAL2 | 1 | 1828397 | 1828397.000 | 6.17 |
| OF06008-CAL3 | 2 | 3383841 | 1691921.000 | 6.17 |
| OF06008-CAL4 | 5 | 8436819 | 1687364.000 | 6.17 |
| OF06008-CAL5 | 10 | 1.656392E+07 | 1656392.000 | 6.17 |
| OF06008-CAL6 | 25 | 4.266394E+07 | 1706558.000 | 6.17 |
| OF06008-CAL7 | 50 | 9.021186E+07 | 1804237.000 | 6.17 |
| OF06008-CAL8 | 100 | 1.891662E+08 | 1891662.000 | 6.17 |
| OF06008-CAL9 | 200 | 3.804316E+08 | 1902158.000 | 6.17 |

AVE RF 1803079.000 **RF RSD** 7.35 **AVE RT** 6.17

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

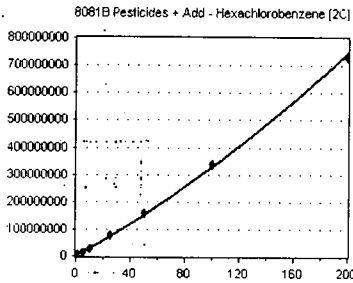
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_200601**

Hexachlorobenzene [2C]

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

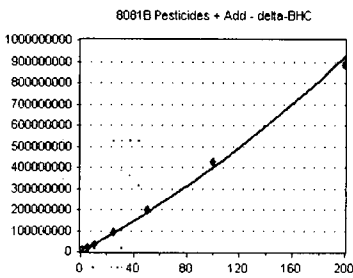


| Standard | Concentration | Response | Factor | RT |
|--------------|---------------|-------------|-------------|------|
| 0F06008-CALA | 0.5 | 1957618 | 3915236.000 | 6.32 |
| 0F06008-CALB | 1 | 3490476 | 3490476.000 | 6.32 |
| 0F06008-CALC | 2 | 6013960 | 3006980.000 | 6.32 |
| 0F06008-CALD | 5 | 1.35893E+07 | 2717860.000 | 6.31 |
| 0F06008-CALE | 10 | 2.77425E+07 | 2774250.000 | 6.31 |
| 0F06008-CALF | 25 | 7.97289E+07 | 3189159.000 | 6.31 |
| 0F06008-CALG | 50 | 1.59243E+08 | 3184872.000 | 6.31 |
| 0F06008-CALH | 100 | 3.37785E+08 | 3377859.000 | 6.31 |
| 0F06008-CALI | 200 | 7.2956E+08 | 3647800.000 | 6.31 |

AVE RF 3256055.000 RF RSD 12.15 AVE RT 6.31

delta-BHC

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

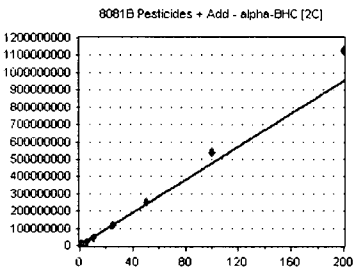


| Standard | Concentration | Response | Factor | RT |
|--------------|---------------|--------------|-------------|------|
| 0F06008-CAL1 | 0.5 | 1670301 | 3340602.000 | 6.32 |
| 0F06008-CAL2 | 1 | 3147880 | 3147880.000 | 6.32 |
| 0F06008-CAL3 | 2 | 6132156 | 3066078.000 | 6.32 |
| 0F06008-CAL4 | 5 | 1.666935E+07 | 3333870.000 | 6.32 |
| 0F06008-CAL5 | 10 | 3.452914E+07 | 3452914.000 | 6.32 |
| 0F06008-CAL6 | 25 | 9.072161E+07 | 3628864.000 | 6.32 |
| 0F06008-CAL7 | 50 | 1.980374E+08 | 3960748.000 | 6.32 |
| 0F06008-CAL8 | 100 | 4.250902E+08 | 4250902.000 | 6.32 |
| 0F06008-CAL9 | 200 | 8.852381E+08 | 4426191.000 | 6.32 |

AVE RF 3623117.000 RF RSD 13.39 AVE RT 6.32

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

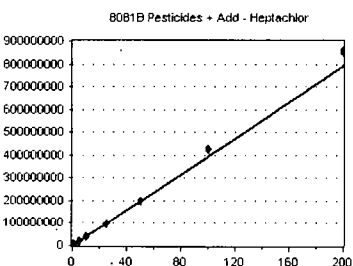


| Standard | Concentration | Response | Factor | RT |
|--------------|---------------|--------------|-------------|------|
| 0F06008-CAL1 | 0.5 | 2268024 | 4536048.000 | 6.45 |
| 0F06008-CAL2 | 1 | 4299192 | 4299192.000 | 6.45 |
| 0F06008-CAL3 | 2 | 8409840 | 4204920.000 | 6.45 |
| 0F06008-CAL4 | 5 | 2.220676E+07 | 4441352.000 | 6.45 |
| 0F06008-CAL5 | 10 | 4.628085E+07 | 4628085.000 | 6.45 |
| 0F06008-CAL6 | 25 | 1.179717E+08 | 4718868.000 | 6.45 |
| 0F06008-CAL7 | 50 | 2.531772E+08 | 5063544.000 | 6.45 |
| 0F06008-CAL8 | 100 | 5.355608E+08 | 5355608.000 | 6.45 |
| 0F06008-CAL9 | 200 | 1.129601E+09 | 5648005.000 | 6.45 |

AVE RF 4766180.000 RF RSD 10.30 AVE RT 6.45

Heptachlor

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Factor | RT |
|--------------|---------------|--------------|-------------|------|
| 0F06008-CAL1 | 0.5 | 2089353 | 4178706.000 | 6.51 |
| 0F06008-CAL2 | 1 | 3783244 | 3783244.000 | 6.51 |
| 0F06008-CAL3 | 2 | 7189639 | 3594820.000 | 6.51 |
| 0F06008-CAL4 | 5 | 1.836234E+07 | 3672468.000 | 6.51 |
| 0F06008-CAL5 | 10 | 3.864312E+07 | 3864312.000 | 6.50 |
| 0F06008-CAL6 | 25 | 9.77874E+07 | 3911496.000 | 6.50 |
| 0F06008-CAL7 | 50 | 1.999791E+08 | 3999582.000 | 6.50 |
| 0F06008-CAL8 | 100 | 4.304687E+08 | 4304687.000 | 6.51 |
| 0F06008-CAL9 | 200 | 8.547201E+08 | 4273601.000 | 6.51 |

AVE RF 3953657.000 RF RSD 6.48 AVE RT 6.50

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

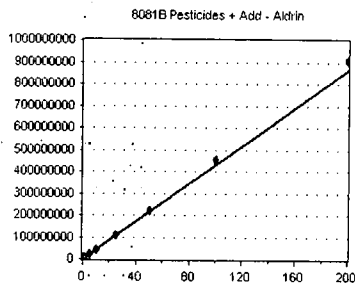
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_200601**

Aldrin

Curve Fit: **AVERAGE RF**

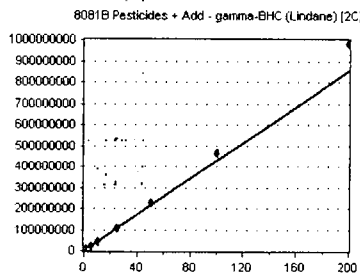


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2216702 | 4433404.000 | 6.75 |
| OF06008-CAL2 | 1 | 4211391 | 4211391.000 | 6.75 |
| OF06008-CAL3 | 2 | 8035771 | 4017886.000 | 6.74 |
| OF06008-CAL4 | 5 | 2.1091E+07 | 4218200.000 | 6.75 |
| OF06008-CAL5 | 10 | 4.211484E+07 | 4211484.000 | 6.74 |
| OF06008-CAL6 | 25 | 1.063616E+08 | 4254464.000 | 6.74 |
| OF06008-CAL7 | 50 | 2.195754E+08 | 4391508.000 | 6.75 |
| OF06008-CAL8 | 100 | 4.541675E+08 | 4541675.000 | 6.75 |
| OF06008-CAL9 | 200 | 9.054911E+08 | 4527456.000 | 6.75 |

AVE RF 4311941.000 RF RSD 4.01 AVE RT 6.74

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

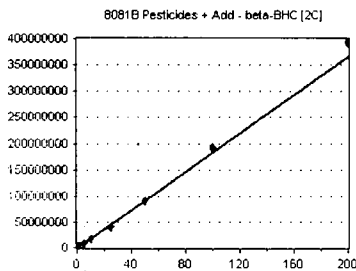


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2141693 | 4283386.000 | 6.77 |
| OF06008-CAL2 | 1 | 3939884 | 3939884.000 | 6.77 |
| OF06008-CAL3 | 2 | 7617064 | 3808532.000 | 6.77 |
| OF06008-CAL4 | 5 | 1.958783E+07 | 3917566.000 | 6.77 |
| OF06008-CAL5 | 10 | 4.102407E+07 | 4102407.000 | 6.77 |
| OF06008-CAL6 | 25 | 1.062165E+08 | 4248660.000 | 6.77 |
| OF06008-CAL7 | 50 | 2.275312E+08 | 4550624.000 | 6.77 |
| OF06008-CAL8 | 100 | 4.659285E+08 | 4659285.000 | 6.77 |
| OF06008-CAL9 | 200 | 9.823348E+08 | 4911674.000 | 6.77 |

AVE RF 4269113.000 RF RSD 8.75 AVE RT 6.77

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

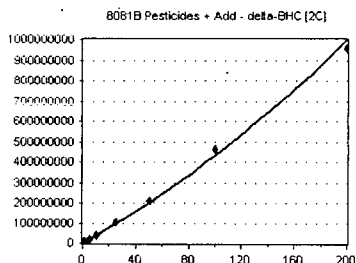


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1069043 | 2138086.000 | 6.84 |
| OF06008-CAL2 | 1 | 1906857 | 1906857.000 | 6.84 |
| OF06008-CAL3 | 2 | 3359896 | 1679948.000 | 6.84 |
| OF06008-CAL4 | 5 | 8320126 | 1664025.000 | 6.84 |
| OF06008-CAL5 | 10 | 1.677931E+07 | 1677931.000 | 6.84 |
| OF06008-CAL6 | 25 | 4.203947E+07 | 1681579.000 | 6.84 |
| OF06008-CAL7 | 50 | 8.992502E+07 | 1798501.000 | 6.84 |
| OF06008-CAL8 | 100 | 1.930951E+08 | 1930951.000 | 6.84 |
| OF06008-CAL9 | 200 | 3.945622E+08 | 1972811.000 | 6.84 |

AVE RF 1827854.000 RF RSD 9.23 AVE RT 6.84

delta-BHC [2C]

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1786163 | 3572326.000 | 7.09 |
| OF06008-CAL2 | 1 | 3488504 | 3488504.000 | 7.09 |
| OF06008-CAL3 | 2 | 6804587 | 3402294.000 | 7.09 |
| OF06008-CAL4 | 5 | 1.808935E+07 | 3617870.000 | 7.09 |
| OF06008-CAL5 | 10 | 3.657064E+07 | 3657064.000 | 7.09 |
| OF06008-CAL6 | 25 | 1.000647E+08 | 4002588.000 | 7.09 |
| OF06008-CAL7 | 50 | 2.110976E+08 | 4221952.000 | 7.09 |
| OF06008-CAL8 | 100 | 4.664062E+08 | 4664062.000 | 7.09 |
| OF06008-CAL9 | 200 | 9.546493E+08 | 4773247.000 | 7.09 |

AVE RF 3933323.000 RF RSD 13.07 AVE RT 7.09

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

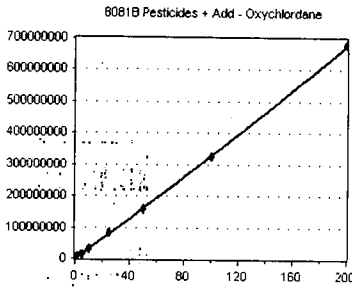
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20060**

Oxychlorthane

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

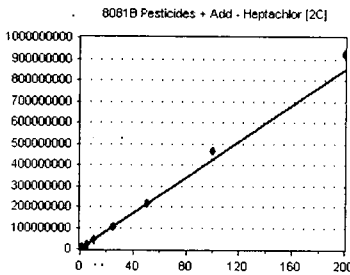


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 2124726 | 4249452.000 | 7.14 |
| OF06008-CALB | 1 | 4069036 | 4069036.000 | 7.14 |
| OF06008-CALC | 2 | 6851909 | 3425955.000 | 7.14 |
| OF06008-CALD | 5 | 1.591163E+07 | 3182326.000 | 7.14 |
| OF06008-CALE | 10 | 3.181176E+07 | 3181176.000 | 7.13 |
| OF06008-CALF | 25 | 8.175862E+07 | 3270345.000 | 7.13 |
| OF06008-CALG | 50 | 1.57349E+08 | 3146980.000 | 7.13 |
| OF06008-CALH | 100 | 3.268872E+08 | 3268872.000 | 7.13 |
| OF06008-CALI | 200 | 6.808485E+08 | 3404243.000 | 7.14 |

AVE RF 3466487.000 RF RSD 11.73 AVE RT 7.13

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

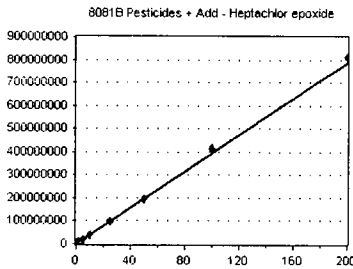


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2287728 | 4575456.000 | 7.14 |
| OF06008-CAL2 | 1 | 4131038 | 4131038.000 | 7.14 |
| OF06008-CAL3 | 2 | 7559963 | 3779982.000 | 7.14 |
| OF06008-CAL4 | 5 | 1.919702E+07 | 3839404.000 | 7.14 |
| OF06008-CAL5 | 10 | 4.057913E+07 | 4057913.000 | 7.14 |
| OF06008-CAL6 | 25 | 1.025924E+08 | 4103696.000 | 7.14 |
| OF06008-CAL7 | 50 | 2.172068E+08 | 4344136.000 | 7.14 |
| OF06008-CAL8 | 100 | 4.675244E+08 | 4675244.000 | 7.14 |
| OF06008-CAL9 | 200 | 9.258958E+08 | 4629479.000 | 7.14 |

AVE RF 4237372.000 RF RSD 7.92 AVE RT 7.14

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

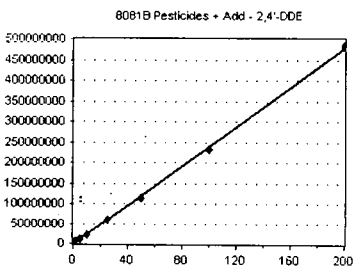


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2242901 | 4485802.000 | 7.21 |
| OF06008-CAL2 | 1 | 3938014 | 3938014.000 | 7.21 |
| OF06008-CAL3 | 2 | 7385357 | 3692679.000 | 7.21 |
| OF06008-CAL4 | 5 | 1.881852E+07 | 3763704.000 | 7.21 |
| OF06008-CAL5 | 10 | 3.780331E+07 | 3780331.000 | 7.21 |
| OF06008-CAL6 | 25 | 9.486647E+07 | 3794659.000 | 7.21 |
| OF06008-CAL7 | 50 | 1.952055E+08 | 3904110.000 | 7.21 |
| OF06008-CAL8 | 100 | 4.138632E+08 | 4138632.000 | 7.21 |
| OF06008-CAL9 | 200 | 8.140326E+08 | 4070163.000 | 7.21 |

AVE RF 3952010.000 RF RSD 6.28 AVE RT 7.21

2,4'-DDE

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 1450647 | 2901294.000 | 7.22 |
| OF06008-CALB | 1 | 2683204 | 2683204.000 | 7.22 |
| OF06008-CALC | 2 | 4589279 | 2294640.000 | 7.22 |
| OF06008-CALD | 5 | 1.064415E+07 | 2128830.000 | 7.22 |
| OF06008-CALE | 10 | 2.20836E+07 | 2208360.000 | 7.22 |
| OF06008-CALF | 25 | 5.829049E+07 | 2331620.000 | 7.21 |
| OF06008-CALG | 50 | 1.127803E+08 | 2255606.000 | 7.21 |
| OF06008-CALH | 100 | 2.3132E+08 | 2313200.000 | 7.21 |
| OF06008-CALI | 200 | 4.84647E+08 | 2423235.000 | 7.21 |

AVE RF 2393332.000 RF RSD 10.30 AVE RT 7.21

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

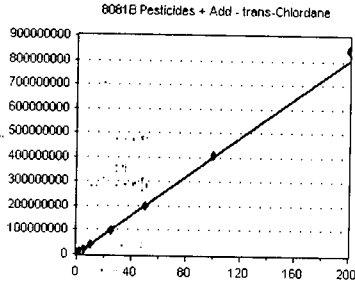
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20060**

trans-Chlordane

Curve Fit: **AVERAGE RF**

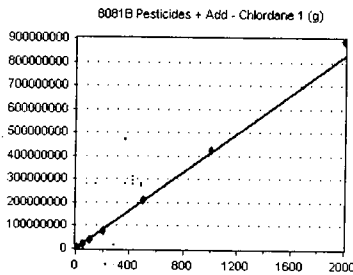


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CAL1 | 0.5 | 2326907 | 4653814.000 | 7.30 |
| 0F06008-CAL2 | 1 | 4057330 | 4057330.000 | 7.30 |
| 0F06008-CAL3 | 2 | 7502150 | 3751075.000 | 7.30 |
| 0F06008-CAL4 | 5 | 1.891758E+07 | 3783516.000 | 7.30 |
| 0F06008-CAL5 | 10 | 3.821807E+07 | 3821807.000 | 7.30 |
| 0F06008-CAL6 | 25 | 9.518814E+07 | 3807526.000 | 7.30 |
| 0F06008-CAL7 | 50 | 2.007857E+08 | 4015714.000 | 7.30 |
| 0F06008-CAL8 | 100 | 4.0946E+08 | 4094600.000 | 7.30 |
| 0F06008-CAL9 | 200 | 8.452209E+08 | 4226105.000 | 7.30 |

AVE RF 4023499.000 RF RSD 7.16 AVE RT 7.30

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

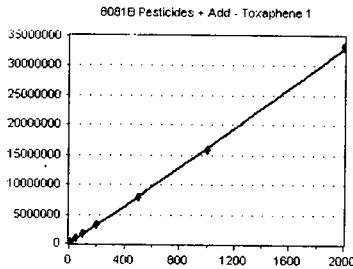


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CALJ | 10 | 4408504 | 440850.400 | 7.30 |
| 0F06008-CALK | 50 | 1.927452E+07 | 385490.400 | 7.30 |
| 0F06008-CALL | 100 | 3.872964E+07 | 387296.400 | 7.30 |
| 0F06008-CALM | 200 | 7.794846E+07 | 389742.300 | 7.30 |
| 0F06008-CALN | 500 | 2.086748E+08 | 417349.600 | 7.30 |
| 0F06008-CALO | 1000 | 4.253646E+08 | 425364.600 | 7.30 |
| 0F06008-CALP | 2000 | 8.907384E+08 | 445369.200 | 7.30 |

AVE RF 413066.100 RF RSD 6.21 AVE RT 7.30

Toxaphene 1

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

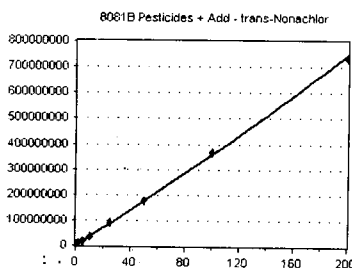


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CALQ | 10 | 223232 | 22323.200 | 7.38 |
| 0F06008-CALR | 50 | 867007 | 17340.140 | 7.38 |
| 0F06008-CALS | 100 | 1661660 | 16616.600 | 7.38 |
| 0F06008-CALT | 200 | 3191894 | 15959.470 | 7.38 |
| 0F06008-CALU | 500 | 7997162 | 15994.320 | 7.38 |
| 0F06008-CALV | 1000 | 1.591887E+07 | 15918.870 | 7.38 |
| 0F06008-CALW | 2000 | 3.324375E+07 | 16621.880 | 7.38 |

AVE RF 17253.500 RF RSD 13.29 AVE RT 7.38

trans-Nonachlor

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CALA | 0.5 | 2706753 | 5413506.000 | 7.39 |
| 0F06008-CALB | 1 | 4424272 | 4424272.000 | 7.39 |
| 0F06008-CALC | 2 | 7594996 | 3797498.000 | 7.39 |
| 0F06008-CALD | 5 | 1.781713E+07 | 3563426.000 | 7.39 |
| 0F06008-CALE | 10 | 3.521171E+07 | 3521171.000 | 7.39 |
| 0F06008-CALF | 25 | 9.011133E+07 | 3604453.000 | 7.39 |
| 0F06008-CALG | 50 | 1.769606E+08 | 3539212.000 | 7.39 |
| 0F06008-CALH | 100 | 3.663856E+08 | 3663856.000 | 7.39 |
| 0F06008-CALI | 200 | 7.362885E+08 | 3681443.000 | 7.39 |

AVE RF 3912093.000 RF RSD 16.05 AVE RT 7.39

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

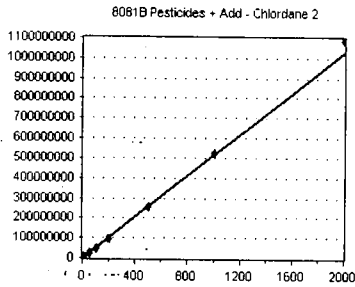
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20060**

Chlordane 2

Curve Fit: **AVERAGE RF**

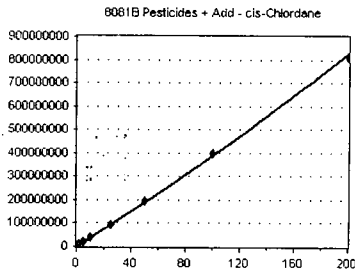


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALJ | 10 | 5647776 | 564777.600 | 7.40 |
| OF06008-CALK | 50 | 2.439993E+07 | 487998.600 | 7.40 |
| OF06008-CALL | 100 | 4.919884E+07 | 491988.400 | 7.40 |
| OF06008-CALM | 200 | 9.529086E+07 | 476454.300 | 7.40 |
| OF06008-CALN | 500 | 2.574318E+08 | 514863.600 | 7.40 |
| OF06008-CALO | 1000 | 5.215904E+08 | 521590.400 | 7.40 |
| OF06008-CALP | 2000 | 1.087682E+09 | 543841.000 | 7.40 |

AVE RF 514502.000 RF RSD 6.20 AVE RT 7.40

cis-Chlordane

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

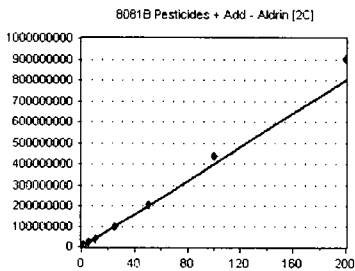


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2588788 | 5177576.000 | 7.40 |
| OF06008-CAL2 | 1 | 4334731 | 4334731.000 | 7.40 |
| OF06008-CAL3 | 2 | 7787006 | 3893503.000 | 7.40 |
| OF06008-CAL4 | 5 | 1.862959E+07 | 3725918.000 | 7.40 |
| OF06008-CAL5 | 10 | 3.711436E+07 | 3711436.000 | 7.40 |
| OF06008-CAL6 | 25 | 9.330993E+07 | 3732397.000 | 7.40 |
| OF06008-CAL7 | 50 | 1.94558E+08 | 3891160.000 | 7.40 |
| OF06008-CAL8 | 100 | 3.968927E+08 | 3968927.000 | 7.40 |
| OF06008-CAL9 | 200 | 8.116776E+08 | 4058388.000 | 7.40 |

AVE RF 4054893.000 RF RSD 11.47 AVE RT 7.40

Aldrin [2C]

Curve Fit: **AVERAGE RF**

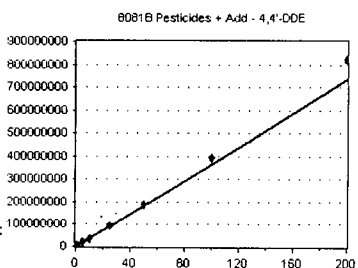


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2023732 | 4047464.000 | 7.41 |
| OF06008-CAL2 | 1 | 3671024 | 3671024.000 | 7.41 |
| OF06008-CAL3 | 2 | 7256390 | 3628195.000 | 7.41 |
| OF06008-CAL4 | 5 | 1.896265E+07 | 3792530.000 | 7.41 |
| OF06008-CAL5 | 10 | 3.94494E+07 | 3944940.000 | 7.41 |
| OF06008-CAL6 | 25 | 9.974054E+07 | 3989622.000 | 7.41 |
| OF06008-CAL7 | 50 | 2.059749E+08 | 4119498.000 | 7.41 |
| OF06008-CAL8 | 100 | 4.374826E+08 | 4374826.000 | 7.41 |
| OF06008-CAL9 | 200 | 9.047082E+08 | 4523541.000 | 7.41 |

AVE RF 4010182.000 RF RSD 7.50 AVE RT 7.41

4,4'-DDE

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1831508 | 3663016.000 | 7.47 |
| OF06008-CAL2 | 1 | 3469480 | 3469480.000 | 7.47 |
| OF06008-CAL3 | 2 | 6724934 | 3362467.000 | 7.47 |
| OF06008-CAL4 | 5 | 1.730723E+07 | 3461446.000 | 7.47 |
| OF06008-CAL5 | 10 | 3.570272E+07 | 3570272.000 | 7.47 |
| OF06008-CAL6 | 25 | 9.052785E+07 | 3621114.000 | 7.47 |
| OF06008-CAL7 | 50 | 1.901723E+08 | 3803446.000 | 7.46 |
| OF06008-CAL8 | 100 | 3.934936E+08 | 3934936.000 | 7.46 |
| OF06008-CAL9 | 200 | 8.199603E+08 | 4099802.000 | 7.46 |

AVE RF 3665109.000 RF RSD 6.57 AVE RT 7.47

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

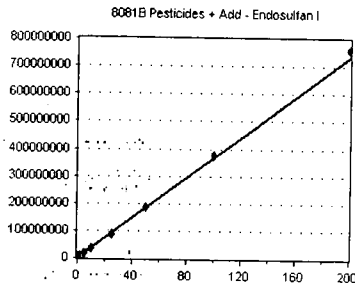
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20060**

Endosulfan I

Curve Fit: **AVERAGE RF**

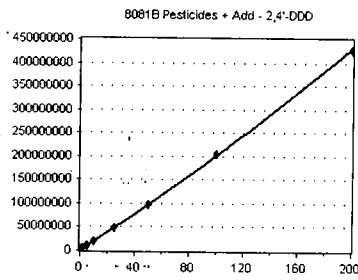


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2010361 | 4020722.000 | 7.50 |
| OF06008-CAL2 | 1 | 3674308 | 3674308.000 | 7.50 |
| OF06008-CAL3 | 2 | 6975798 | 3487899.000 | 7.50 |
| OF06008-CAL4 | 5 | 1.777203E+07 | 3554406.000 | 7.50 |
| OF06008-CAL5 | 10 | 3.562079E+07 | 3562079.000 | 7.49 |
| OF06008-CAL6 | 25 | 8.796988E+07 | 3518795.000 | 7.49 |
| OF06008-CAL7 | 50 | 1.862794E+08 | 3725588.000 | 7.49 |
| OF06008-CAL8 | 100 | 3.777263E+08 | 3777263.000 | 7.50 |
| OF06008-CAL9 | 200 | 7.61633E+08 | 3808165.000 | 7.49 |

AVE RF 3681025.000 RF RSD 4.67 AVE RT 7.50

2,4'-DDD

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

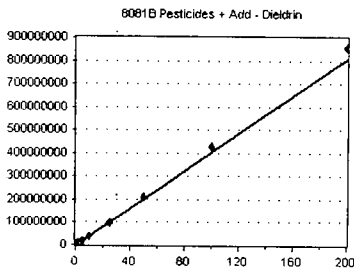


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 1283450 | 2566900.000 | 7.59 |
| OF06008-CALB | 1 | 2380316 | 2380316.000 | 7.59 |
| OF06008-CALC | 2 | 3914792 | 1957396.000 | 7.59 |
| OF06008-CALD | 5 | 9382730 | 1876546.000 | 7.59 |
| OF06008-CALE | 10 | 1.873191E+07 | 1873191.000 | 7.59 |
| OF06008-CALF | 25 | 4.982577E+07 | 1993031.000 | 7.59 |
| OF06008-CALG | 50 | 9.751546E+07 | 1950309.000 | 7.59 |
| OF06008-CALH | 100 | 2.040582E+08 | 2040582.000 | 7.59 |
| OF06008-CALI | 200 | 4.284045E+08 | 2142023.000 | 7.59 |

AVE RF 2086699.000 RF RSD 11.44 AVE RT 7.59

Dieldrin

Curve Fit: **AVERAGE RF**

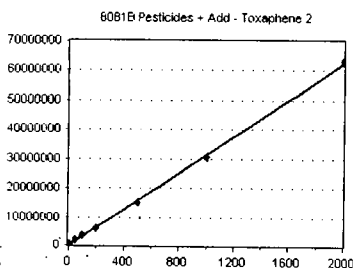


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2088893 | 4177786.000 | 7.67 |
| OF06008-CAL2 | 1 | 3834504 | 3834504.000 | 7.67 |
| OF06008-CAL3 | 2 | 7333173 | 3666587.000 | 7.67 |
| OF06008-CAL4 | 5 | 1.981932E+07 | 3963864.000 | 7.67 |
| OF06008-CAL5 | 10 | 3.928329E+07 | 3928329.000 | 7.67 |
| OF06008-CAL6 | 25 | 9.948322E+07 | 3979329.000 | 7.67 |
| OF06008-CAL7 | 50 | 2.10519E+08 | 4210380.000 | 7.67 |
| OF06008-CAL8 | 100 | 4.279445E+08 | 4279445.000 | 7.67 |
| OF06008-CAL9 | 200 | 8.577927E+08 | 4288964.000 | 7.67 |

AVE RF 4036576.000 RF RSD 5.33 AVE RT 7.67

Toxaphene 2

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALQ | 10 | 428322 | 42832.200 | 7.67 |
| OF06008-CALR | 50 | 1751397 | 35027.940 | 7.67 |
| OF06008-CALS | 100 | 3335225 | 33352.250 | 7.67 |
| OF06008-CALT | 200 | 6236956 | 31184.780 | 7.67 |
| OF06008-CALU | 500 | 1.529676E+07 | 30593.520 | 7.67 |
| OF06008-CALV | 1000 | 3.083503E+07 | 30835.030 | 7.67 |
| OF06008-CALW | 2000 | 6.329266E+07 | 31646.330 | 7.67 |

AVE RF 33638.860 RF RSD 12.94 AVE RT 7.67

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

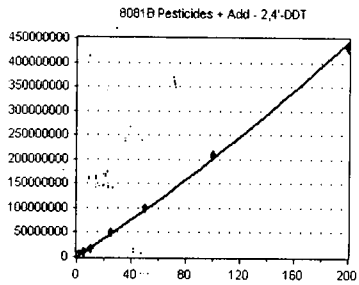
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_200601**

2,4'-DDT

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

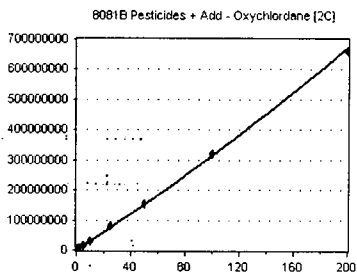


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CALA | 0.5 | 1217591 | 2435182.000 | 7.77 |
| 0F06008-CALB | 1 | 2237919 | 2237919.000 | 7.77 |
| 0F06008-CALC | 2 | 3679380 | 1839690.000 | 7.77 |
| 0F06008-CALD | 5 | 8777458 | 1755492.000 | 7.77 |
| 0F06008-CALE | 10 | 1.803541E+07 | 1803541.000 | 7.77 |
| 0F06008-CALF | 25 | 5.032132E+07 | 2012853.000 | 7.77 |
| 0F06008-CALG | 50 | 9.91532E+07 | 1983064.000 | 7.77 |
| 0F06008-CALH | 100 | 2.085776E+08 | 2085776.000 | 7.77 |
| 0F06008-CALI | 200 | 4.311273E+08 | 2155637.000 | 7.77 |

AVE RF 2034350.000 **RF RSD** 10.87 **AVE RT** 7.77

Oxychlorane [2C]

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

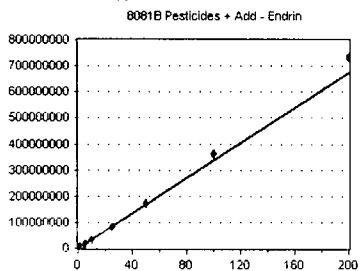


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CALA | 0.5 | 2077896 | 4155792.000 | 7.78 |
| 0F06008-CALB | 1 | 3679856 | 3679856.000 | 7.78 |
| 0F06008-CALC | 2 | 6318570 | 3159285.000 | 7.78 |
| 0F06008-CALD | 5 | 1.476148E+07 | 2952296.000 | 7.78 |
| 0F06008-CALE | 10 | 2.917128E+07 | 2917128.000 | 7.78 |
| 0F06008-CALF | 25 | 7.843356E+07 | 3137343.000 | 7.77 |
| 0F06008-CALG | 50 | 1.539408E+08 | 3078816.000 | 7.77 |
| 0F06008-CALH | 100 | 3.222219E+08 | 3222219.000 | 7.78 |
| 0F06008-CALI | 200 | 6.624637E+08 | 3312319.000 | 7.78 |

AVE RF 3290561.000 **RF RSD** 11.99 **AVE RT** 7.77

Endrin

Curve Fit: **AVERAGE RF**

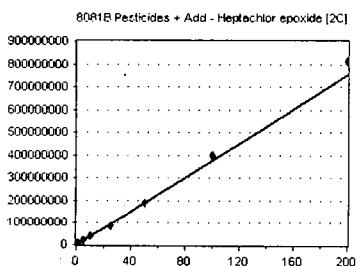


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CAL1 | 0.5 | 1730100 | 3460200.000 | 7.83 |
| 0F06008-CAL2 | 1 | 3239569 | 3239569.000 | 7.83 |
| 0F06008-CAL3 | 2 | 6205989 | 3102995.000 | 7.83 |
| 0F06008-CAL4 | 5 | 1.573264E+07 | 3146528.000 | 7.83 |
| 0F06008-CAL5 | 10 | 3.382195E+07 | 3382195.000 | 7.83 |
| 0F06008-CAL6 | 25 | 8.261793E+07 | 3304717.000 | 7.83 |
| 0F06008-CAL7 | 50 | 1.719097E+08 | 3438194.000 | 7.83 |
| 0F06008-CAL8 | 100 | 3.627833E+08 | 3627833.000 | 7.83 |
| 0F06008-CAL9 | 200 | 7.337914E+08 | 3668957.000 | 7.83 |

AVE RF 3374576.000 **RF RSD** 5.84 **AVE RT** 7.83

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CAL1 | 0.5 | 2030251 | 4060502.000 | 7.85 |
| 0F06008-CAL2 | 1 | 3756308 | 3756308.000 | 7.85 |
| 0F06008-CAL3 | 2 | 6966527 | 3483264.000 | 7.85 |
| 0F06008-CAL4 | 5 | 1.769044E+07 | 3538088.000 | 7.85 |
| 0F06008-CAL5 | 10 | 3.67103E+07 | 3671030.000 | 7.85 |
| 0F06008-CAL6 | 25 | 8.927006E+07 | 3570803.000 | 7.85 |
| 0F06008-CAL7 | 50 | 1.88467E+08 | 3769340.000 | 7.85 |
| 0F06008-CAL8 | 100 | 3.983266E+08 | 3983266.000 | 7.85 |
| 0F06008-CAL9 | 200 | 8.100269E+08 | 4050135.000 | 7.85 |

AVE RF 3764748.000 **RF RSD** 5.89 **AVE RT** 7.85

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

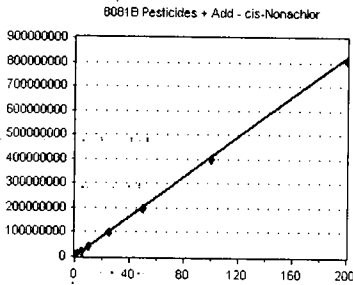
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20060**

cis-Nonachlor

Curve Fit: **AVERAGE RF**

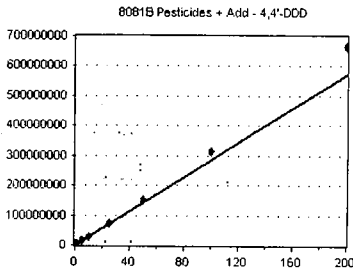


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 2497038 | 4994076.000 | 7.86 |
| OF06008-CALB | 1 | 4619495 | 4619495.000 | 7.86 |
| OF06008-CALC | 2 | 8069719 | 4034860.000 | 7.86 |
| OF06008-CALD | 5 | 1.891543E+07 | 3783086.000 | 7.86 |
| OF06008-CALE | 10 | 3.794503E+07 | 3794503.000 | 7.86 |
| OF06008-CALF | 25 | 9.741745E+07 | 3896698.000 | 7.86 |
| OF06008-CALG | 50 | 1.939701E+08 | 3879402.000 | 7.86 |
| OF06008-CALH | 100 | 3.967771E+08 | 3967771.000 | 7.86 |
| OF06008-CALI | 200 | 8.074796E+08 | 4037398.000 | 7.86 |

AVE RF 4111921.000 RF RSD 10.09 AVE RT 7.86

4,4'-DDD

Curve Fit: **AVERAGE RF**

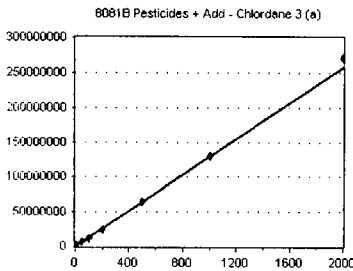


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1378674 | 2757348.000 | 7.89 |
| OF06008-CAL2 | 1 | 2642114 | 2642114.000 | 7.89 |
| OF06008-CAL3 | 2 | 5043957 | 2521979.000 | 7.89 |
| OF06008-CAL4 | 5 | 1.351317E+07 | 2702634.000 | 7.89 |
| OF06008-CAL5 | 10 | 2.731552E+07 | 2731552.000 | 7.89 |
| OF06008-CAL6 | 25 | 7.067964E+07 | 2827186.000 | 7.89 |
| OF06008-CAL7 | 50 | 1.509564E+08 | 3019128.000 | 7.89 |
| OF06008-CAL8 | 100 | 3.156475E+08 | 3156475.000 | 7.89 |
| OF06008-CAL9 | 200 | 6.641558E+08 | 3320779.000 | 7.88 |

AVE RF 2853244.000 RF RSD 9.10 AVE RT 7.89

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

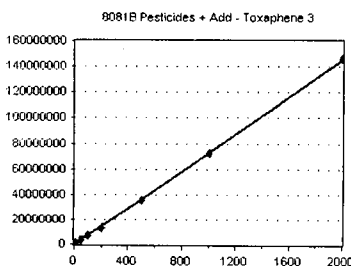


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALJ | 10 | 1511798 | 151179.800 | 7.95 |
| OF06008-CALK | 50 | 6029645 | 120592.900 | 7.95 |
| OF06008-CALL | 100 | 1.207154E+07 | 120715.400 | 7.95 |
| OF06008-CALM | 200 | 2.384763E+07 | 119238.100 | 7.94 |
| OF06008-CALN | 500 | 6.427297E+07 | 128545.900 | 7.94 |
| OF06008-CALO | 1000 | 1.29417E+08 | 129417.000 | 7.94 |
| OF06008-CALP | 2000 | 2.705068E+08 | 135253.400 | 7.94 |

AVE RF 129277.500 RF RSD 8.74 AVE RT 7.94

Toxaphene 3

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALQ | 10 | 866733 | 86673.300 | 7.98 |
| OF06008-CALR | 50 | 3429819 | 68596.380 | 7.98 |
| OF06008-CALS | 100 | 6846475 | 68464.750 | 7.98 |
| OF06008-CALT | 200 | 1.338203E+07 | 66910.150 | 7.98 |
| OF06008-CALU | 500 | 3.572019E+07 | 71440.380 | 7.98 |
| OF06008-CALV | 1000 | 7.257624E+07 | 72576.240 | 7.98 |
| OF06008-CALW | 2000 | 1.463252E+08 | 73162.600 | 7.98 |

AVE RF 72546.260 RF RSD 9.16 AVE RT 7.98

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

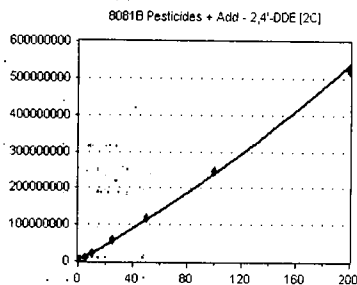
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_200601**

2,4'-DDE [2C]

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

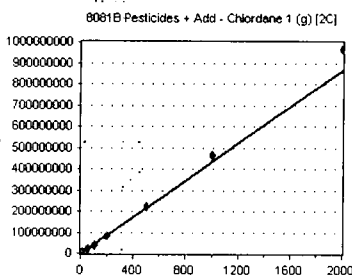


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 1594318 | 3188636.000 | 7.99 |
| OF06008-CALB | 1 | 2644092 | 2644092.000 | 7.99 |
| OF06008-CALC | 2 | 4364012 | 2182006.000 | 7.99 |
| OF06008-CALD | 5 | 1.06815E+07 | 2136300.000 | 7.98 |
| OF06008-CALE | 10 | 2.130357E+07 | 2130357.000 | 7.98 |
| OF06008-CALF | 25 | 5.872468E+07 | 2348987.000 | 7.98 |
| OF06008-CALG | 50 | 1.157241E+08 | 2314482.000 | 7.98 |
| OF06008-CALH | 100 | 2.474069E+08 | 2474069.000 | 7.98 |
| OF06008-CALI | 200 | 5.235851E+08 | 2617926.000 | 7.98 |

AVE RF 2448539.000 **RF RSD** 13.80 **AVE RT** 7.98

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**

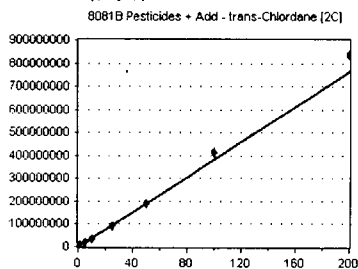


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALJ | 10 | 4481852 | 448185.200 | 7.99 |
| OF06008-CALK | 50 | 1.950088E+07 | 390017.600 | 7.99 |
| OF06008-CALL | 100 | 4.034854E+07 | 403485.400 | 7.99 |
| OF06008-CALM | 200 | 7.889733E+07 | 394486.600 | 7.99 |
| OF06008-CALN | 500 | 2.239754E+08 | 447950.800 | 7.99 |
| OF06008-CALO | 1000 | 4.646026E+08 | 464602.600 | 7.99 |
| OF06008-CALP | 2000 | 9.66543E+08 | 483271.500 | 7.99 |

AVE RF 433142.800 **RF RSD** 8.53 **AVE RT** 7.99

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**

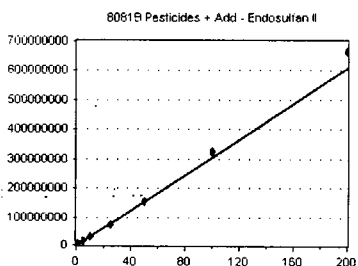


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2136256 | 4272512.000 | 7.99 |
| OF06008-CAL2 | 1 | 3714650 | 3714650.000 | 7.99 |
| OF06008-CAL3 | 2 | 6968284 | 3484142.000 | 7.99 |
| OF06008-CAL4 | 5 | 1.772512E+07 | 3545024.000 | 7.99 |
| OF06008-CAL5 | 10 | 3.56578E+07 | 3565780.000 | 7.99 |
| OF06008-CAL6 | 25 | 9.101561E+07 | 3640624.000 | 7.99 |
| OF06008-CAL7 | 50 | 1.919127E+08 | 3838254.000 | 7.99 |
| OF06008-CAL8 | 100 | 4.114088E+08 | 4114088.000 | 7.99 |
| OF06008-CAL9 | 200 | 8.37478E+08 | 4187390.000 | 7.99 |

AVE RF 3818052.000 **RF RSD** 7.87 **AVE RT** 7.99

Endosulfan II

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1690214 | 3380428.000 | 7.99 |
| OF06008-CAL2 | 1 | 2878102 | 2878102.000 | 7.99 |
| OF06008-CAL3 | 2 | 5561746 | 2780873.000 | 7.99 |
| OF06008-CAL4 | 5 | 1.431041E+07 | 2862082.000 | 7.99 |
| OF06008-CAL5 | 10 | 2.88951E+07 | 2889510.000 | 7.99 |
| OF06008-CAL6 | 25 | 7.281431E+07 | 2912573.000 | 7.99 |
| OF06008-CAL7 | 50 | 1.545384E+08 | 3090768.000 | 7.99 |
| OF06008-CAL8 | 100 | 3.255514E+08 | 3255514.000 | 7.99 |
| OF06008-CAL9 | 200 | 6.670335E+08 | 3335167.000 | 7.99 |

AVE RF 3042780.000 **RF RSD** 7.49 **AVE RT** 7.99

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

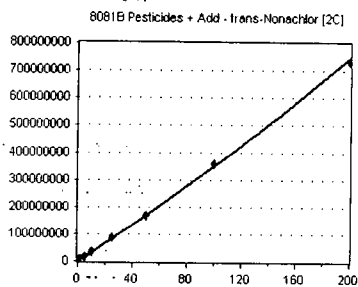
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20060**

trans-Nonachlor [2C]

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

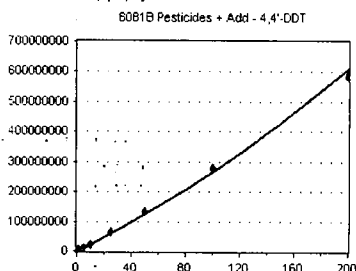


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 2454721 | 4909442.000 | 8.05 |
| OF06008-CALB | 1 | 4150088 | 4150088.000 | 8.05 |
| OF06008-CALC | 2 | 7278851 | 3639426.000 | 8.05 |
| OF06008-CALD | 5 | 1.637421E+07 | 3274842.000 | 8.05 |
| OF06008-CALE | 10 | 3.32689E+07 | 3326890.000 | 8.05 |
| OF06008-CALF | 25 | 8.727599E+07 | 3491040.000 | 8.05 |
| OF06008-CALG | 50 | 1.6827E+08 | 3365400.000 | 8.05 |
| OF06008-CALH | 100 | 3.586213E+08 | 3586213.000 | 8.05 |
| OF06008-CALI | 200 | 7.366821E+08 | 3683411.000 | 8.05 |

AVE RF 3714083.000 RF RSD 13.98 AVE RT 8.05

4,4'-DDT

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

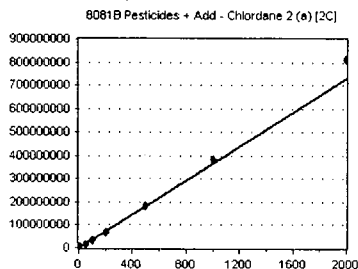


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1176997 | 2353994.000 | 8.08 |
| OF06008-CAL2 | 1 | 2125504 | 2125504.000 | 8.08 |
| OF06008-CAL3 | 2 | 4180058 | 2090029.000 | 8.08 |
| OF06008-CAL4 | 5 | 1.062163E+07 | 2124326.000 | 8.08 |
| OF06008-CAL5 | 10 | 2.317338E+07 | 2317338.000 | 8.08 |
| OF06008-CAL6 | 25 | 6.293912E+07 | 2517565.000 | 8.08 |
| OF06008-CAL7 | 50 | 1.332796E+08 | 2665592.000 | 8.08 |
| OF06008-CAL8 | 100 | 2.783095E+08 | 2783095.000 | 8.08 |
| OF06008-CAL9 | 200 | 5.85116E+08 | 2925580.000 | 8.08 |

AVE RF 2433669.000 RF RSD 12.61 AVE RT 8.08

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**

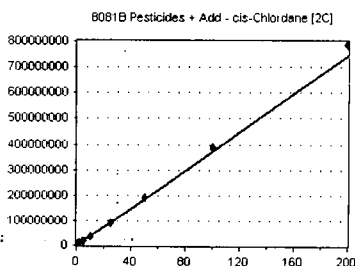


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALJ | 10 | 3943445 | 394344.500 | 8.09 |
| OF06008-CALK | 50 | 1.659551E+07 | 331910.200 | 8.09 |
| OF06008-CALL | 100 | 3.39943E+07 | 339943.000 | 8.10 |
| OF06008-CALM | 200 | 6.615788E+07 | 330789.400 | 8.09 |
| OF06008-CALN | 500 | 1.82957E+08 | 365914.000 | 8.09 |
| OF06008-CALO | 1000 | 3.843868E+08 | 384386.800 | 8.09 |
| OF06008-CALP | 2000 | 8.132308E+08 | 406615.400 | 8.09 |

AVE RF 364843.300 RF RSD 8.57 AVE RT 8.09

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2156882 | 4313764.000 | 8.10 |
| OF06008-CAL2 | 1 | 3732649 | 3732649.000 | 8.10 |
| OF06008-CAL3 | 2 | 6943307 | 3471654.000 | 8.10 |
| OF06008-CAL4 | 5 | 1.700191E+07 | 3400382.000 | 8.10 |
| OF06008-CAL5 | 10 | 3.378101E+07 | 3378101.000 | 8.10 |
| OF06008-CAL6 | 25 | 9.029682E+07 | 3611873.000 | 8.10 |
| OF06008-CAL7 | 50 | 1.899764E+08 | 3799528.000 | 8.10 |
| OF06008-CAL8 | 100 | 3.890147E+08 | 3890147.000 | 8.10 |
| OF06008-CAL9 | 200 | 7.867141E+08 | 3933571.000 | 8.10 |

AVE RF 3725741.000 RF RSD 8.08 AVE RT 8.10

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

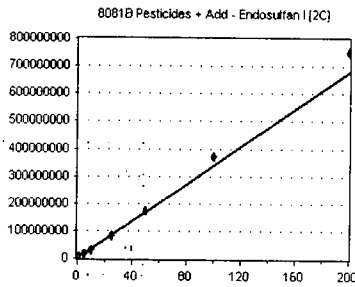
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_200601**

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

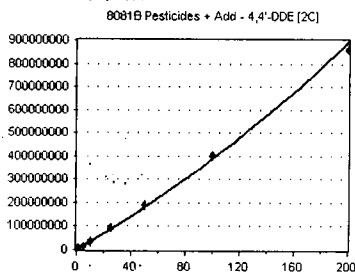


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1818776 | 3637552.000 | 8.14 |
| OF06008-CAL2 | 1 | 3245203 | 3245203.000 | 8.14 |
| OF06008-CAL3 | 2 | 6290523 | 3145262.000 | 8.14 |
| OF06008-CAL4 | 5 | 1.581419E+07 | 3162838.000 | 8.14 |
| OF06008-CAL5 | 10 | 3.187448E+07 | 3187448.000 | 8.14 |
| OF06008-CAL6 | 25 | 8.126439E+07 | 3250576.000 | 8.14 |
| OF06008-CAL7 | 50 | 1.718989E+08 | 3437978.000 | 8.14 |
| OF06008-CAL8 | 100 | 3.700339E+08 | 3700339.000 | 8.14 |
| OF06008-CAL9 | 200 | 7.524525E+08 | 3762263.000 | 8.14 |

AVE RF 3392162.000 RF RSD 7.31 AVE RT 8.14

4,4'-DDE [2C]

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

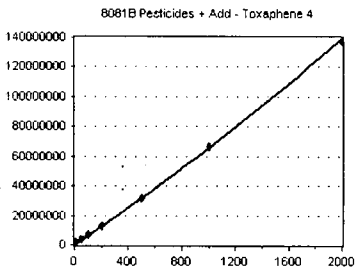


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1713296 | 3426592.000 | 8.21 |
| OF06008-CAL2 | 1 | 3125539 | 3125539.000 | 8.21 |
| OF06008-CAL3 | 2 | 6040045 | 3020023.000 | 8.21 |
| OF06008-CAL4 | 5 | 1.612106E+07 | 3224212.000 | 8.21 |
| OF06008-CAL5 | 10 | 3.333731E+07 | 3333731.000 | 8.21 |
| OF06008-CAL6 | 25 | 9.077982E+07 | 3631193.000 | 8.21 |
| OF06008-CAL7 | 50 | 1.908876E+08 | 3817752.000 | 8.21 |
| OF06008-CAL8 | 100 | 4.054416E+08 | 4054416.000 | 8.21 |
| OF06008-CAL9 | 200 | 8.612708E+08 | 4306354.000 | 8.21 |

AVE RF 3548868.000 RF RSD 12.34 AVE RT 8.21

Toxaphene 4

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

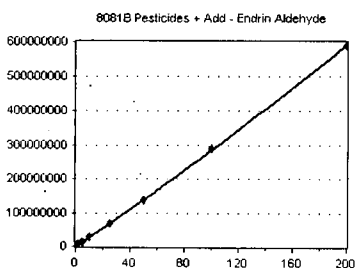


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALQ | 10 | 1188909 | 118890.900 | 8.22 |
| OF06008-CALR | 50 | 3584023 | 71680.460 | 8.22 |
| OF06008-CALS | 100 | 6690852 | 66908.520 | 8.22 |
| OF06008-CALT | 200 | 1.282181E+07 | 64109.050 | 8.22 |
| OF06008-CALU | 500 | 3.21594E+07 | 64318.800 | 8.22 |
| OF06008-CALV | 1000 | 6.682571E+07 | 66825.710 | 8.22 |
| OF06008-CALW | 2000 | 1.380348E+08 | 69017.400 | 8.22 |

AVE RF 74535.830 RF RSD 26.48 AVE RT 8.22

Endrin Aldehyde

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1879799 | 3759598.000 | 8.28 |
| OF06008-CAL2 | 1 | 3347299 | 3347299.000 | 8.28 |
| OF06008-CAL3 | 2 | 6075803 | 3037902.000 | 8.28 |
| OF06008-CAL4 | 5 | 1.414811E+07 | 2829622.000 | 8.28 |
| OF06008-CAL5 | 10 | 2.767718E+07 | 2767718.000 | 8.28 |
| OF06008-CAL6 | 25 | 6.770545E+07 | 2708218.000 | 8.28 |
| OF06008-CAL7 | 50 | 1.384375E+08 | 2768750.000 | 8.28 |
| OF06008-CAL8 | 100 | 2.894749E+08 | 2894749.000 | 8.28 |
| OF06008-CAL9 | 200 | 5.90079E+08 | 2950395.000 | 8.28 |

AVE RF 3007139.000 RF RSD 11.36 AVE RT 8.28

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

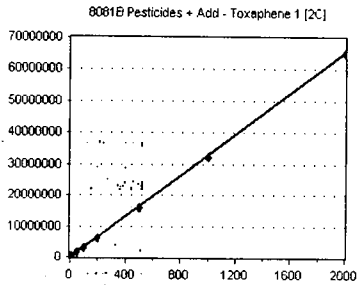
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_200601**

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

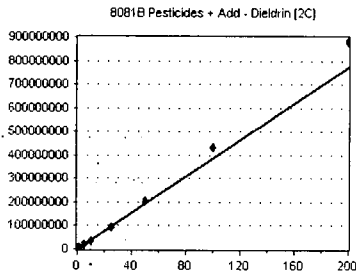


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CALQ | 10 | 372544 | 37254.400 | 8.32 |
| 0F06008-CALR | 50 | 1668991 | 33379.820 | 8.32 |
| 0F06008-CALS | 100 | 3187485 | 31874.850 | 8.32 |
| 0F06008-CALT | 200 | 6174593 | 30872.960 | 8.32 |
| 0F06008-CALU | 500 | 1.58378E+07 | 31675.600 | 8.32 |
| 0F06008-CALV | 1000 | 3.208299E+07 | 32082.990 | 8.32 |
| 0F06008-CALW | 2000 | 6.51119E+07 | 32555.950 | 8.32 |

AVE RF 32813.800 RF RSD 6.41 AVE RT 8.32

Dieldrin [2C]

Curve Fit: **AVERAGE RF**

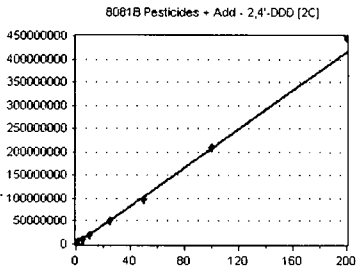


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CAL1 | 0.5 | 1940818 | 3881636.000 | 8.35 |
| 0F06008-CAL2 | 1 | 3631612 | 3631612.000 | 8.35 |
| 0F06008-CAL3 | 2 | 6890064 | 3445032.000 | 8.35 |
| 0F06008-CAL4 | 5 | 1.779247E+07 | 3558494.000 | 8.35 |
| 0F06008-CAL5 | 10 | 3.602043E+07 | 3602043.000 | 8.35 |
| 0F06008-CAL6 | 25 | 9.447097E+07 | 3778839.000 | 8.34 |
| 0F06008-CAL7 | 50 | 2.026062E+08 | 4052124.000 | 8.34 |
| 0F06008-CAL8 | 100 | 4.344226E+08 | 4344226.000 | 8.35 |
| 0F06008-CAL9 | 200 | 8.809841E+08 | 4404921.000 | 8.35 |

AVE RF 3855436.000 RF RSD 8.97 AVE RT 8.34

2,4'-DDD [2C]

Curve Fit: **AVERAGE RF**

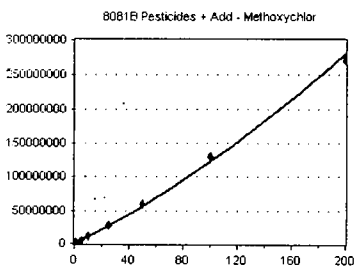


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CALA | 0.5 | 1185591 | 2371182.000 | 8.36 |
| 0F06008-CALB | 1 | 2357973 | 2357973.000 | 8.36 |
| 0F06008-CALC | 2 | 4019825 | 2009913.000 | 8.36 |
| 0F06008-CALD | 5 | 9138537 | 1827707.000 | 8.36 |
| 0F06008-CALE | 10 | 1.831917E+07 | 1831917.000 | 8.36 |
| 0F06008-CALF | 25 | 5.044072E+07 | 2017629.000 | 8.36 |
| 0F06008-CALG | 50 | 9.843228E+07 | 1968646.000 | 8.36 |
| 0F06008-CALH | 100 | 2.084093E+08 | 2084093.000 | 8.36 |
| 0F06008-CALI | 200 | 4.472045E+08 | 2236023.000 | 8.36 |

AVE RF 2078342.000 RF RSD 9.81 AVE RT 8.36

Methoxychlor

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CAL1 | 0.5 | 692268 | 1384536.000 | 8.43 |
| 0F06008-CAL2 | 1 | 1188720 | 1188720.000 | 8.43 |
| 0F06008-CAL3 | 2 | 2083992 | 1041996.000 | 8.43 |
| 0F06008-CAL4 | 5 | 5153462 | 1030692.000 | 8.43 |
| 0F06008-CAL5 | 10 | 1.111372E+07 | 1111372.000 | 8.43 |
| 0F06008-CAL6 | 25 | 2.832909E+07 | 1133164.000 | 8.42 |
| 0F06008-CAL7 | 50 | 5.942428E+07 | 1188486.000 | 8.42 |
| 0F06008-CAL8 | 100 | 1.297068E+08 | 1297068.000 | 8.42 |
| 0F06008-CAL9 | 200 | 2.704406E+08 | 1352203.000 | 8.42 |

AVE RF 1192026.000 RF RSD 10.79 AVE RT 8.42

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

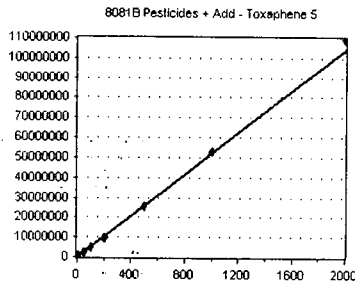
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20060**

Toxaphene 5

Curve Fit: **AVERAGE RF**

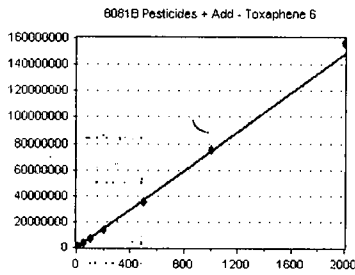


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALQ | 10 | 599046 | 59904.600 | 8.45 |
| OF06008-CALR | 50 | 2442896 | 48857.920 | 8.45 |
| OF06008-CALS | 100 | 4962066 | 49620.660 | 8.45 |
| OF06008-CALT | 200 | 9567302 | 47836.510 | 8.45 |
| OF06008-CALU | 500 | 2.548496E+07 | 50969.920 | 8.45 |
| OF06008-CALV | 1000 | 5.284462E+07 | 52844.620 | 8.45 |
| OF06008-CALW | 2000 | 1.091099E+08 | 54554.950 | 8.45 |

AVE RF 52084.170 RF RSD 7.98 AVE RT 8.45

Toxaphene 6

Curve Fit: **AVERAGE RF**

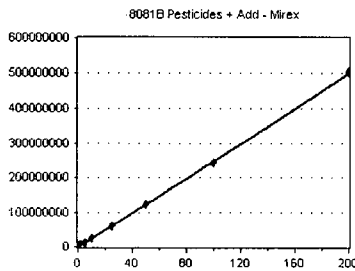


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALQ | 10 | 860734 | 86073.400 | 8.52 |
| OF06008-CALR | 50 | 3477197 | 69543.940 | 8.52 |
| OF06008-CALS | 100 | 6835641 | 68356.410 | 8.52 |
| OF06008-CALT | 200 | 1.36602E+07 | 68301.000 | 8.52 |
| OF06008-CALU | 500 | 3.554189E+07 | 71083.770 | 8.52 |
| OF06008-CALV | 1000 | 7.515898E+07 | 75158.980 | 8.52 |
| OF06008-CALW | 2000 | 1.561148E+08 | 78057.400 | 8.52 |

AVE RF 73796.410 RF RSD 8.85 AVE RT 8.52

Mirex

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

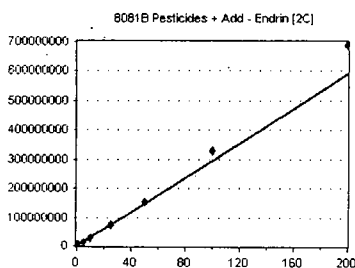


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 1951891 | 3903782.000 | 8.53 |
| OF06008-CALB | 1 | 3450319 | 3450319.000 | 8.53 |
| OF06008-CALC | 2 | 5603738 | 2801869.000 | 8.53 |
| OF06008-CALD | 5 | 1.278145E+07 | 2556290.000 | 8.53 |
| OF06008-CALE | 10 | 2.441517E+07 | 2441517.000 | 8.53 |
| OF06008-CALF | 25 | 6.284691E+07 | 2513877.000 | 8.53 |
| OF06008-CALG | 50 | 1.217952E+08 | 2435904.000 | 8.53 |
| OF06008-CALH | 100 | 2.43953E+08 | 2439530.000 | 8.53 |
| OF06008-CALI | 200 | 5.032382E+08 | 2516191.000 | 8.53 |

AVE RF 2784364.000 RF RSD 19.05 AVE RT 8.53

Endrin [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1544731 | 3089462.000 | 8.57 |
| OF06008-CAL2 | 1 | 2729745 | 2729745.000 | 8.57 |
| OF06008-CAL3 | 2 | 5322724 | 2661362.000 | 8.57 |
| OF06008-CAL4 | 5 | 1.322808E+07 | 2645616.000 | 8.57 |
| OF06008-CAL5 | 10 | 2.80958E+07 | 2809580.000 | 8.57 |
| OF06008-CAL6 | 25 | 7.212264E+07 | 2884906.000 | 8.57 |
| OF06008-CAL7 | 50 | 1.534064E+08 | 3068128.000 | 8.57 |
| OF06008-CAL8 | 100 | 3.273262E+08 | 3273262.000 | 8.57 |
| OF06008-CAL9 | 200 | 6.890865E+08 | 3445433.000 | 8.57 |

AVE RF 2956388.000 RF RSD 9.50 AVE RT 8.57

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

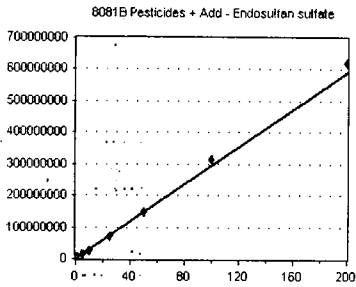
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_200601**

Endosulfan sulfate

Curve Fit: **AVERAGE RF**

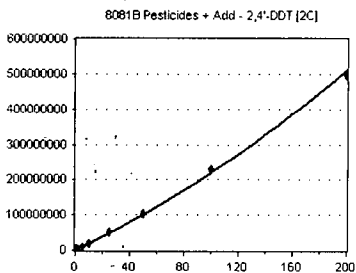


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1642508 | 3285016.000 | 8.58 |
| OF06008-CAL2 | 1 | 3004760 | 3004760.000 | 8.58 |
| OF06008-CAL3 | 2 | 5464489 | 2732245.000 | 8.58 |
| OF06008-CAL4 | 5 | 1.377658E+07 | 2755316.000 | 8.58 |
| OF06008-CAL5 | 10 | 2.75691E+07 | 2756910.000 | 8.58 |
| OF06008-CAL6 | 25 | 7.115276E+07 | 2846111.000 | 8.58 |
| OF06008-CAL7 | 50 | 1.484149E+08 | 2968298.000 | 8.58 |
| OF06008-CAL8 | 100 | 3.121926E+08 | 3121926.000 | 8.58 |
| OF06008-CAL9 | 200 | 6.219037E+08 | 3109519.000 | 8.58 |

AVE RF 2953344.000 RF RSD 6.60 AVE RT 8.58

2,4'-DDT [2C]

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

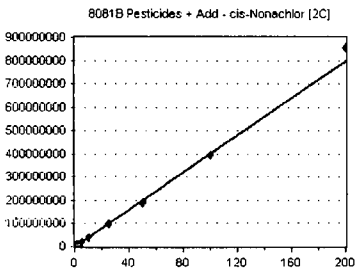


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 1241303 | 2482606.000 | 8.58 |
| OF06008-CALB | 1 | 2243898 | 2243898.000 | 8.58 |
| OF06008-CALC | 2 | 3684050 | 1842025.000 | 8.58 |
| OF06008-CALD | 5 | 8951762 | 1790352.000 | 8.58 |
| OF06008-CALE | 10 | 1.883359E+07 | 1883359.000 | 8.58 |
| OF06008-CALF | 25 | 5.21985E+07 | 2087940.000 | 8.58 |
| OF06008-CALG | 50 | 1.039632E+08 | 2079264.000 | 8.58 |
| OF06008-CALH | 100 | 2.309369E+08 | 2309369.000 | 8.58 |
| OF06008-CALI | 200 | 4.95494E+08 | 2477470.000 | 8.58 |

AVE RF 2132920.000 RF RSD 12.33 AVE RT 8.58

cis-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

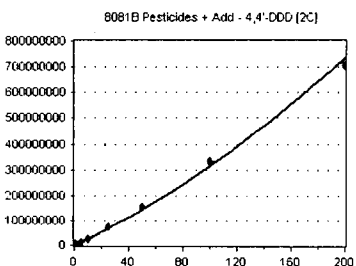


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 2343379 | 4686758.000 | 8.62 |
| OF06008-CALB | 1 | 4362479 | 4362479.000 | 8.62 |
| OF06008-CALC | 2 | 7556685 | 3778343.000 | 8.62 |
| OF06008-CALD | 5 | 1.775257E+07 | 3550514.000 | 8.62 |
| OF06008-CALE | 10 | 3.709458E+07 | 3709458.000 | 8.62 |
| OF06008-CALF | 25 | 9.6357E+07 | 3854280.000 | 8.62 |
| OF06008-CALG | 50 | 1.898044E+08 | 3796088.000 | 8.62 |
| OF06008-CALH | 100 | 3.944956E+08 | 3944956.000 | 8.62 |
| OF06008-CALI | 200 | 8.578132E+08 | 4289066.000 | 8.62 |

AVE RF 3996882.000 RF RSD 9.23 AVE RT 8.62

4,4'-DDD [2C]

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1433465 | 2866930.000 | 8.63 |
| OF06008-CAL2 | 1 | 2582156 | 2582156.000 | 8.63 |
| OF06008-CAL3 | 2 | 4789098 | 2394549.000 | 8.63 |
| OF06008-CAL4 | 5 | 1.25409E+07 | 2508180.000 | 8.63 |
| OF06008-CAL5 | 10 | 2.661394E+07 | 2661394.000 | 8.63 |
| OF06008-CAL6 | 25 | 7.217549E+07 | 2887020.000 | 8.62 |
| OF06008-CAL7 | 50 | 1.561362E+08 | 3122724.000 | 8.62 |
| OF06008-CAL8 | 100 | 3.345143E+08 | 3345143.000 | 8.62 |
| OF06008-CAL9 | 200 | 7.031197E+08 | 3515599.000 | 8.62 |

AVE RF 2875966.000 RF RSD 13.41 AVE RT 8.62

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

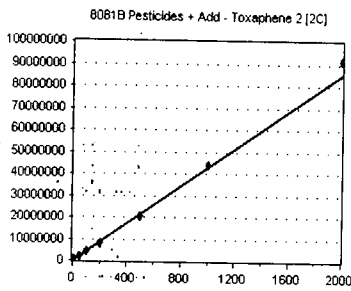
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20060**

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

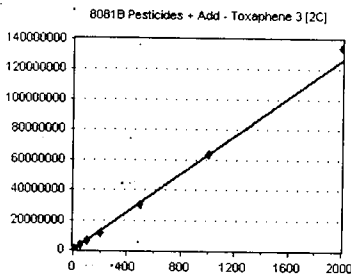


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALQ | 10 | 454972 | 45497.200 | 8.67 |
| OF06008-CALR | 50 | 2027364 | 40547.280 | 8.67 |
| OF06008-CALS | 100 | 4059174 | 40591.740 | 8.67 |
| OF06008-CALT | 200 | 8120804 | 40604.020 | 8.67 |
| OF06008-CALU | 500 | 2.080319E+07 | 41606.380 | 8.67 |
| OF06008-CALV | 1000 | 4.355887E+07 | 43558.870 | 8.67 |
| OF06008-CALW | 2000 | 9.137571E+07 | 45687.860 | 8.67 |

AVE RF 42584.760 RF RSD 5.43 AVE RT 8.67

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

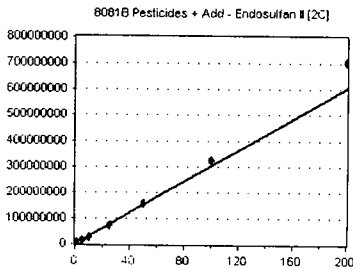


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALQ | 10 | 737338 | 73733.800 | 8.71 |
| OF06008-CALR | 50 | 3049566 | 60991.320 | 8.71 |
| OF06008-CALS | 100 | 5827857 | 58278.570 | 8.71 |
| OF06008-CALT | 200 | 1.165809E+07 | 58290.450 | 8.71 |
| OF06008-CALU | 500 | 3.015073E+07 | 60301.460 | 8.70 |
| OF06008-CALV | 1000 | 6.334426E+07 | 63344.260 | 8.71 |
| OF06008-CALW | 2000 | 1.347299E+08 | 67364.950 | 8.70 |

AVE RF 63186.400 RF RSD 8.90 AVE RT 8.71

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

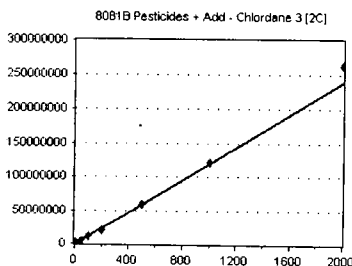


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1615141 | 3230282.000 | 8.72 |
| OF06008-CAL2 | 1 | 2841269 | 2841269.000 | 8.72 |
| OF06008-CAL3 | 2 | 5513918 | 2756959.000 | 8.72 |
| OF06008-CAL4 | 5 | 1.391595E+07 | 2783190.000 | 8.72 |
| OF06008-CAL5 | 10 | 2.776886E+07 | 2776886.000 | 8.72 |
| OF06008-CAL6 | 25 | 7.337006E+07 | 2934803.000 | 8.72 |
| OF06008-CAL7 | 50 | 1.569653E+08 | 3139306.000 | 8.72 |
| OF06008-CAL8 | 100 | 3.229488E+08 | 3229488.000 | 8.72 |
| OF06008-CAL9 | 200 | 7.045011E+08 | 3522506.000 | 8.72 |

AVE RF 3023854.000 RF RSD 8.89 AVE RT 8.72

Chlordane 3 [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALJ | 10 | 1377635 | 137763.500 | 8.76 |
| OF06008-CALK | 50 | 5527957 | 110559.100 | 8.76 |
| OF06008-CALL | 100 | 1.087873E+07 | 108787.300 | 8.76 |
| OF06008-CALM | 200 | 2.105665E+07 | 105283.300 | 8.76 |
| OF06008-CALN | 500 | 5.982671E+07 | 119653.400 | 8.76 |
| OF06008-CALO | 1000 | 1.218456E+08 | 121845.600 | 8.76 |
| OF06008-CALP | 2000 | 2.620668E+08 | 131033.400 | 8.76 |

AVE RF 119275.100 RF RSD 10.09 AVE RT 8.76

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

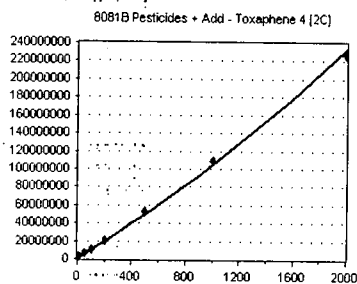
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20060**

Toxaphene 4 [2C]

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

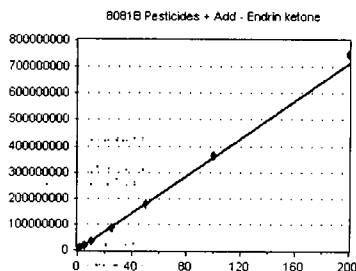


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALQ | 10 | 2581320 | 258132.000 | 8.77 |
| OF06008-CALR | 50 | 5845916 | 116918.300 | 8.77 |
| OF06008-CALS | 100 | 1.056301E+07 | 105630.100 | 8.77 |
| OF06008-CALT | 200 | 2.043685E+07 | 102184.300 | 8.77 |
| OF06008-CALU | 500 | 5.287739E+07 | 105754.800 | 8.77 |
| OF06008-CALV | 1000 | 1.086692E+08 | 108669.200 | 8.77 |
| OF06008-CALW | 2000 | 2.267029E+08 | 113351.400 | 8.77 |

AVE RF 130091.400 RF RSD 43.57 AVE RT 8.77

Endrin ketone

Curve Fit: **AVERAGE RF**

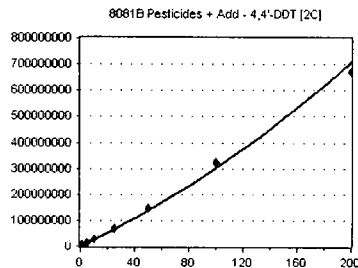


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2113749 | 4227498.000 | 8.77 |
| OF06008-CAL2 | 1 | 3683963 | 3683963.000 | 8.77 |
| OF06008-CAL3 | 2 | 6682577 | 3341289.000 | 8.78 |
| OF06008-CAL4 | 5 | 1.641169E+07 | 3282338.000 | 8.77 |
| OF06008-CAL5 | 10 | 3.275681E+07 | 3275681.000 | 8.77 |
| OF06008-CAL6 | 25 | 8.464596E+07 | 3385839.000 | 8.77 |
| OF06008-CAL7 | 50 | 1.753298E+08 | 3506596.000 | 8.77 |
| OF06008-CAL8 | 100 | 3.649758E+08 | 3649758.000 | 8.77 |
| OF06008-CAL9 | 200 | 7.493416E+08 | 3746708.000 | 8.77 |

AVE RF 3566630.000 RF RSD 8.54 AVE RT 8.77

4,4'-DDT [2C]

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

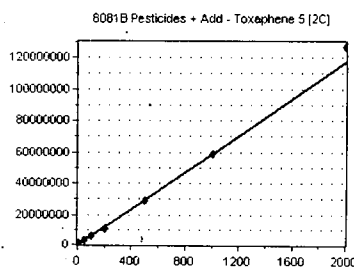


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1397421 | 2794842.000 | 8.85 |
| OF06008-CAL2 | 1 | 2507300 | 2507300.000 | 8.85 |
| OF06008-CAL3 | 2 | 4520922 | 2260461.000 | 8.85 |
| OF06008-CAL4 | 5 | 1.164032E+07 | 2328064.000 | 8.85 |
| OF06008-CAL5 | 10 | 2.530836E+07 | 2530836.000 | 8.85 |
| OF06008-CAL6 | 25 | 7.022194E+07 | 2808878.000 | 8.85 |
| OF06008-CAL7 | 50 | 1.474903E+08 | 2949806.000 | 8.85 |
| OF06008-CAL8 | 100 | 3.24142E+08 | 3241420.000 | 8.85 |
| OF06008-CAL9 | 200 | 6.716278E+08 | 3358139.000 | 8.85 |

AVE RF 2753305.000 RF RSD 13.96 AVE RT 8.85

Toxaphene 5 [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALQ | 10 | 696424 | 69642.400 | 8.95 |
| OF06008-CALR | 50 | 2698078 | 53961.560 | 8.95 |
| OF06008-CALS | 100 | 5383300 | 53833.000 | 8.95 |
| OF06008-CALT | 200 | 1.078588E+07 | 53929.400 | 8.95 |
| OF06008-CALU | 500 | 2.84637E+07 | 56927.400 | 8.95 |
| OF06008-CALV | 1000 | 5.894802E+07 | 58948.020 | 8.95 |
| OF06008-CALW | 2000 | 1.275366E+08 | 63768.300 | 8.95 |

AVE RF 58715.730 RF RSD 10.25 AVE RT 8.95

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

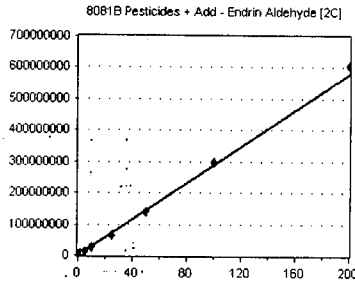
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_200601**

Endrin Aldehyde [2C]

Curve Fit: **AVERAGE RF**

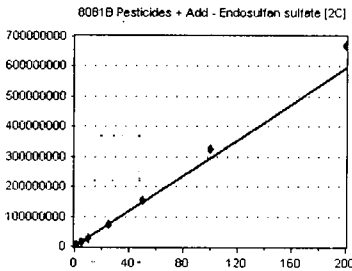


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CAL1 | 0.5 | 1718494 | 3436988.000 | 8.96 |
| 0F06008-CAL2 | 1 | 3154587 | 3154587.000 | 8.96 |
| 0F06008-CAL3 | 2 | 5717746 | 2858873.000 | 8.96 |
| 0F06008-CAL4 | 5 | 1.298674E+07 | 2597348.000 | 8.96 |
| 0F06008-CAL5 | 10 | 2.580052E+07 | 2580052.000 | 8.96 |
| 0F06008-CAL6 | 25 | 6.463944E+07 | 2585578.000 | 8.96 |
| 0F06008-CAL7 | 50 | 1.400919E+08 | 2801838.000 | 8.96 |
| 0F06008-CAL8 | 100 | 2.988383E+08 | 2988383.000 | 8.96 |
| 0F06008-CAL9 | 200 | 6.072426E+08 | 3036213.000 | 8.96 |

AVE RF 2893318.000 RF RSD 10.10 AVE RT 8.96

Endosulfan sulfate [2C]

Curve Fit: **AVERAGE RF**

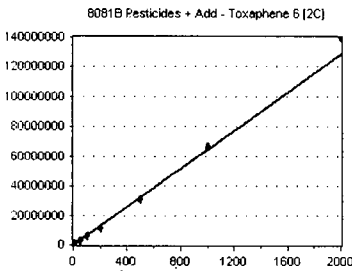


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CAL1 | 0.5 | 1592318 | 3184636.000 | 9.15 |
| 0F06008-CAL2 | 1 | 2906383 | 2906383.000 | 9.15 |
| 0F06008-CAL3 | 2 | 5480703 | 2740352.000 | 9.15 |
| 0F06008-CAL4 | 5 | 1.349592E+07 | 2699184.000 | 9.15 |
| 0F06008-CAL5 | 10 | 2.6487E+07 | 2648700.000 | 9.15 |
| 0F06008-CAL6 | 25 | 7.028007E+07 | 2811203.000 | 9.15 |
| 0F06008-CAL7 | 50 | 1.540264E+08 | 3080528.000 | 9.15 |
| 0F06008-CAL8 | 100 | 3.260439E+08 | 3260439.000 | 9.15 |
| 0F06008-CAL9 | 200 | 6.709503E+08 | 3354751.000 | 9.15 |

AVE RF 2965131.000 RF RSD 8.84 AVE RT 9.15

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**

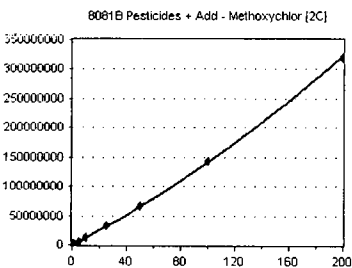


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CALQ | 10 | 742472 | 74247.200 | 9.33 |
| 0F06008-CALR | 50 | 3021892 | 60437.840 | 9.33 |
| 0F06008-CALS | 100 | 5801758 | 58017.580 | 9.33 |
| 0F06008-CALT | 200 | 1.172404E+07 | 58620.200 | 9.33 |
| 0F06008-CALU | 500 | 3.090438E+07 | 61808.760 | 9.33 |
| 0F06008-CALV | 1000 | 6.662541E+07 | 66625.410 | 9.33 |
| 0F06008-CALW | 2000 | 1.399259E+08 | 69962.950 | 9.33 |

AVE RF 64245.710 RF RSD 9.62 AVE RT 9.33

Methoxychlor [2C]

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0F06008-CAL1 | 0.5 | 797429 | 1594858.000 | 9.34 |
| 0F06008-CAL2 | 1 | 1407906 | 1407906.000 | 9.34 |
| 0F06008-CAL3 | 2 | 2395626 | 1197813.000 | 9.34 |
| 0F06008-CAL4 | 5 | 5959726 | 1191945.000 | 9.34 |
| 0F06008-CAL5 | 10 | 1.279638E+07 | 1279638.000 | 9.34 |
| 0F06008-CAL6 | 25 | 3.282125E+07 | 1312850.000 | 9.33 |
| 0F06008-CAL7 | 50 | 6.694992E+07 | 1338998.000 | 9.33 |
| 0F06008-CAL8 | 100 | 1.429294E+08 | 1429294.000 | 9.33 |
| 0F06008-CAL9 | 200 | 3.190594E+08 | 1595297.000 | 9.33 |

AVE RF 1372067.000 RF RSD 10.93 AVE RT 9.33

Element Calibration Review Sheet

Calibration ID: **A0F0804**

Instrument: **DUALECD8**

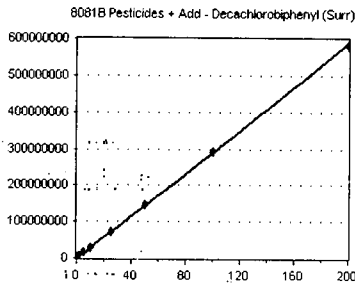
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20060**

Decachlorobiphenyl (Surr)

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

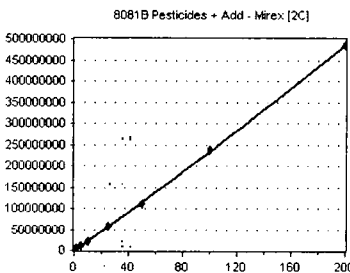


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 2013031 | 4026062.000 | 9.48 |
| OF06008-CAL2 | 1 | 3476866 | 3476866.000 | 9.48 |
| OF06008-CAL3 | 2 | 6074784 | 3037392.000 | 9.48 |
| OF06008-CAL4 | 5 | 1.479808E+07 | 2959616.000 | 9.48 |
| OF06008-CAL5 | 10 | 2.895476E+07 | 2895476.000 | 9.48 |
| OF06008-CAL6 | 25 | 7.00438E+07 | 2801752.000 | 9.48 |
| OF06008-CAL7 | 50 | 1.468536E+08 | 2937072.000 | 9.48 |
| OF06008-CAL8 | 100 | 2.919637E+08 | 2919637.000 | 9.48 |
| OF06008-CAL9 | 200 | 5.839153E+08 | 2919577.000 | 9.48 |

AVE RF 3108161.000 RF RSD 12.69 AVE RT 9.48

Mirex [2C]

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

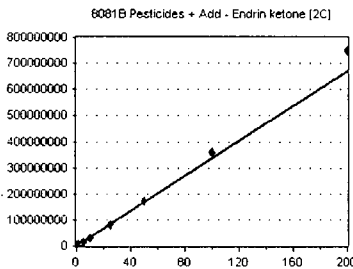


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CALA | 0.5 | 1704303 | 3408606.000 | 9.54 |
| OF06008-CALB | 1 | 3067448 | 3067448.000 | 9.54 |
| OF06008-CALC | 2 | 5247610 | 2623805.000 | 9.54 |
| OF06008-CALD | 5 | 1.156363E+07 | 2312726.000 | 9.54 |
| OF06008-CALE | 10 | 2.212072E+07 | 2212072.000 | 9.54 |
| OF06008-CALF | 25 | 5.728059E+07 | 2291224.000 | 9.54 |
| OF06008-CALG | 50 | 1.11468E+08 | 2229360.000 | 9.54 |
| OF06008-CALH | 100 | 2.384168E+08 | 2384168.000 | 9.54 |
| OF06008-CALI | 200 | 4.861259E+08 | 2430630.000 | 9.54 |

AVE RF 2551115.000 RF RSD 16.35 AVE RT 9.54

Endrin ketone [2C]

Curve Fit: **AVERAGE RF**

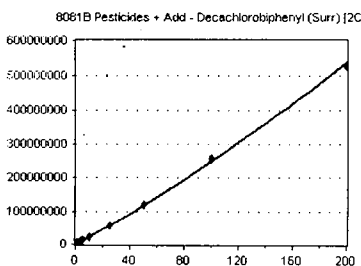


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OF06008-CAL1 | 0.5 | 1919402 | 3838804.000 | 9.55 |
| OF06008-CAL2 | 1 | 3294560 | 3294560.000 | 9.55 |
| OF06008-CAL3 | 2 | 6009531 | 3004766.000 | 9.55 |
| OF06008-CAL4 | 5 | 1.513307E+07 | 3026614.000 | 9.55 |
| OF06008-CAL5 | 10 | 3.029832E+07 | 3029832.000 | 9.55 |
| OF06008-CAL6 | 25 | 8.067641E+07 | 3227056.000 | 9.55 |
| OF06008-CAL7 | 50 | 1.730066E+08 | 3460132.000 | 9.55 |
| OF06008-CAL8 | 100 | 3.604723E+08 | 3604723.000 | 9.55 |
| OF06008-CAL9 | 200 | 7.485304E+08 | 3742652.000 | 9.55 |

AVE RF 3358793.000 RF RSD 9.50 AVE RT 9.55

Decachlorobiphenyl (Surr) [2C]

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|-------|
| OF06008-CAL1 | 0.5 | 1600154 | 3200308.000 | 10.40 |
| OF06008-CAL2 | 1 | 2732738 | 2732738.000 | 10.40 |
| OF06008-CAL3 | 2 | 4898047 | 2449024.000 | 10.40 |
| OF06008-CAL4 | 5 | 1.178777E+07 | 2357554.000 | 10.40 |
| OF06008-CAL5 | 10 | 2.313262E+07 | 2313262.000 | 10.40 |
| OF06008-CAL6 | 25 | 5.893814E+07 | 2357526.000 | 10.40 |
| OF06008-CAL7 | 50 | 1.211499E+08 | 2422998.000 | 10.40 |
| OF06008-CAL8 | 100 | 2.563313E+08 | 2563313.000 | 10.40 |
| OF06008-CAL9 | 200 | 5.272506E+08 | 2636253.000 | 10.40 |

AVE RF 2559219.000 RF RSD 10.87 AVE RT 10.40

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F06008

Analysis Included

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

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F06008

INSTRUMENT SEQUENCE LOG

| SampleID | SampleName | Matrix | STDID | ISTD_ID | Analyzed |
|--------------|-------------------|--------|---------|---------|---------------------|
| 0F06008-ICB1 | Initial Cal Blank | Water | A20F087 | | 6/6/2020 3:34:00PM |
| 0F06008-CAL1 | Cal Standard | Water | A20F080 | " | 6/6/2020 3:51:00PM |
| 0F06008-CAL2 | Cal Standard | Water | A20F081 | " | 6/6/2020 4:07:00PM |
| 0F06008-CAL3 | Cal Standard | Water | A20C179 | " | 6/6/2020 4:24:00PM |
| 0F06008-CAL4 | Cal Standard | Water | A20C180 | " | 6/6/2020 4:40:00PM |
| 0F06008-CAL5 | Cal Standard | Water | A20C181 | " | 6/6/2020 4:57:00PM |
| 0F06008-CAL6 | Cal Standard | Water | A20C182 | " | 6/6/2020 5:13:00PM |
| 0F06008-CAL7 | Cal Standard | Water | A20E232 | " | 6/6/2020 5:30:00PM |
| 0F06008-CAL8 | Cal Standard | Water | A20E233 | " | 6/6/2020 5:46:00PM |
| 0F06008-CAL9 | Cal Standard | Water | A20C177 | " | 6/6/2020 6:03:00PM |
| 0F06008-ICV1 | Initial Cal Check | Water | A20C164 | " | 6/6/2020 6:36:00PM |
| 0F06008-CALA | Cal Standard | Water | A20F082 | " | 6/6/2020 6:52:00PM |
| 0F06008-CALB | Cal Standard | Water | A20C353 | " | 6/6/2020 7:09:00PM |
| 0F06008-CALC | Cal Standard | Water | A20C354 | " | 6/6/2020 7:25:00PM |
| 0F06008-CALD | Cal Standard | Water | A20C355 | " | 6/6/2020 7:42:00PM |
| 0F06008-CALE | Cal Standard | Water | A20C356 | " | 6/6/2020 7:58:00PM |
| 0F06008-CALF | Cal Standard | Water | A20C357 | " | 6/6/2020 8:15:00PM |
| 0F06008-CALG | Cal Standard | Water | A20C358 | " | 6/6/2020 8:31:00PM |
| 0F06008-CALH | Cal Standard | Water | A20C359 | " | 6/6/2020 8:48:00PM |
| 0F06008-CALI | Cal Standard | Water | A20C352 | " | 6/6/2020 9:04:00PM |
| 0F06008-ICV2 | Initial Cal Check | Water | A20C360 | " | 6/6/2020 9:38:00PM |
| 0F06008-CALJ | Cal Standard | Water | A20F083 | " | 6/6/2020 9:54:00PM |
| 0F06008-CALK | Cal Standard | Water | A20F057 | " | 6/6/2020 10:11:00PM |
| 0F06008-CALL | Cal Standard | Water | A20F058 | " | 6/6/2020 10:27:00PM |
| 0F06008-CALM | Cal Standard | Water | A20F059 | " | 6/6/2020 10:44:00PM |
| 0F06008-CALN | Cal Standard | Water | A20F060 | " | 6/6/2020 11:00:00PM |
| 0F06008-CALO | Cal Standard | Water | A20F061 | " | 6/6/2020 11:17:00PM |
| 0F06008-CALP | Cal Standard | Water | A20F056 | " | 6/6/2020 11:33:00PM |
| 0F06008-ICV3 | Initial Cal Check | Water | A20F062 | " | 6/7/2020 12:06:00AM |
| 0F06008-CALQ | Cal Standard | Water | A20F084 | " | 6/7/2020 12:23:00AM |
| 0F06008-CALR | Cal Standard | Water | A20F064 | " | 6/7/2020 12:39:00AM |
| 0F06008-CALS | Cal Standard | Water | A20F065 | " | 6/7/2020 12:56:00AM |
| 0F06008-CALT | Cal Standard | Water | A20F066 | " | 6/7/2020 1:12:00AM |
| 0F06008-CALU | Cal Standard | Water | A20D430 | " | 6/7/2020 1:29:00AM |
| 0F06008-CALV | Cal Standard | Water | A20D431 | " | 6/7/2020 1:45:00AM |
| 0F06008-CALW | Cal Standard | Water | A20F063 | " | 6/7/2020 2:02:00AM |
| 0F06008-ICV4 | Initial Cal Check | Water | A20F067 | " | 6/7/2020 2:35:00AM |

CALIBRATION STANDARD RECOVERIES

Calibration: **A0F0804** Instrument: **DUALECD8F**

1311/8081B TCLP Pest Reg L Sequence: **0F06008** Matrix: **Water**

| | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
|---------------------|-----------|-------------|-----------|-------|------|
| 0F06008-CAL1 | | | | | |
| 0F06008-CAL2 | | | | | |
| 0F06008-CAL3 | | | | | |

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F06008

| Calibration ID | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
|----------------|-----------|-------------|-----------|-------|------|
| 0F06008-CAL4 | | | | | |
| 0F06008-CAL5 | | | | | |
| 0F06008-CAL6 | | | | | |
| 0F06008-CAL7 | | | | | |
| 0F06008-CAL8 | | | | | |
| 0F06008-CAL9 | | | | | |
| 0F06008-CALA | | | | | |
| 0F06008-CALB | | | | | |
| 0F06008-CALC | | | | | |
| 0F06008-CALD | | | | | |
| 0F06008-CALE | | | | | |
| 0F06008-CALF | | | | | |
| 0F06008-CALG | | | | | |
| 0F06008-CALH | | | | | |
| 0F06008-CALI | | | | | |
| 0F06008-CALJ | | | | | |
| 0F06008-CALK | | | | | |
| 0F06008-CALL | | | | | |
| 0F06008-CALM | | | | | |
| 0F06008-CALN | | | | | |
| 0F06008-CALO | | | | | |
| 0F06008-CALP | | | | | |
| 0F06008-CALQ | | | | | |
| 0F06008-CALR | | | | | |
| 0F06008-CALS | | | | | |
| 0F06008-CALT | | | | | |
| 0F06008-CALU | | | | | |
| 0F06008-CALV | | | | | |
| 0F06008-CALW | | | | | |

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: **0F06008**

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: **A0F0804**

Instrument: **DUALECD8F**

608.3 Pesticides

Sequence: **0F06008**

Matrix: **Water**

| 0F06008-ICV1 | Inst. MRL | ICV Level | Result | %Rec. | Qual |
|--------------|-----------|-----------|--------|-------|------|
| 0F06008-ICV2 | Inst. MRL | ICV Level | Result | %Rec. | Qual |
| 0F06008-ICV3 | Inst. MRL | ICV Level | Result | %Rec. | Qual |
| 0F06008-ICV4 | Inst. MRL | ICV Level | Result | %Rec. | Qual |

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

d-BHC

Response

9.00e+008

8.00e+008

7.00e+008

6.00e+008

5.00e+008

4.00e+008

3.00e+008

2.00e+008

1.00e+008

0

0

50

100

150

200

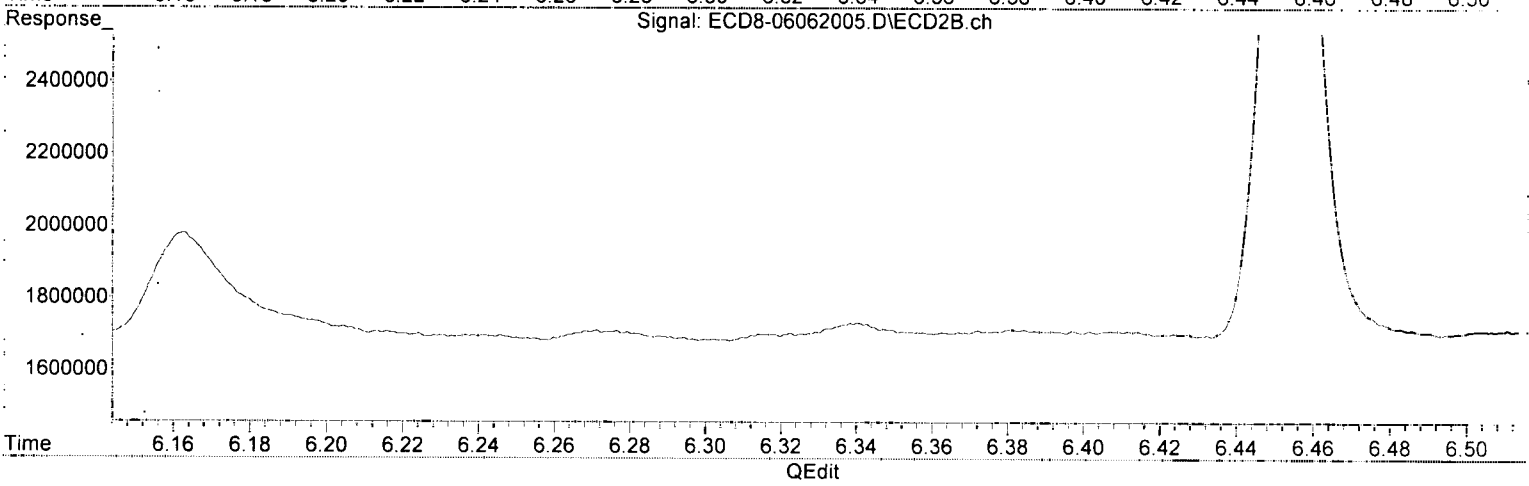
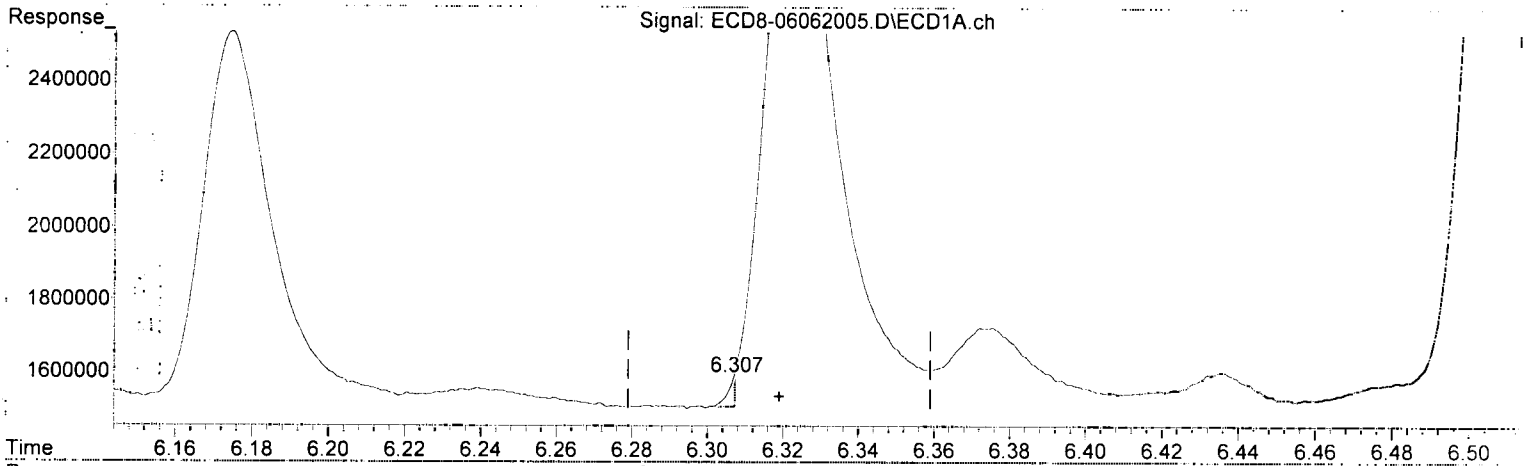
Concentration

R = 6.03e+003 A*A + 3.41e+006 A - 1.12e+005
Coef of Det (r^2) = 0.997
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2009
07/24/20 Anchor QEA, LLC - Gasco Field DC 2019 14a-b.DOC-CAP Testing Cores Page 483 of 908

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

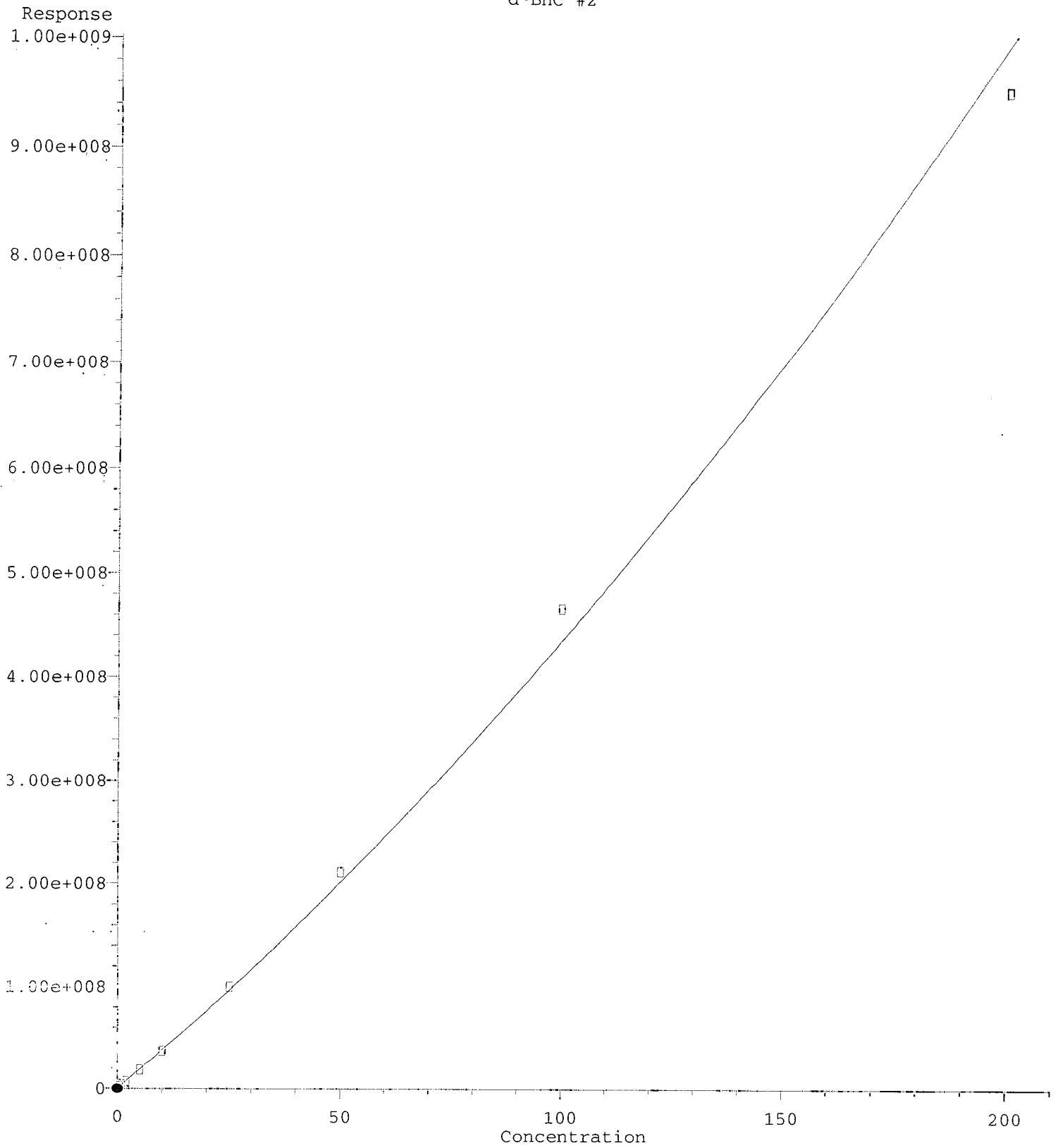


(6) d-BHC
6.307min 0.057 ng/mL(m)
response 80219

MJB
6/7/20

(6) d-BHC #2
7.093min 0.516 ng/mL
response 1786163

d-BHC #2



$R = 6.38e+003 A^*A + 3.71e+006 A - 1.32e+005$

Coef of Det (r^2) = 0.997
07/24/20 Anchor QEA, LLC - Gasco Pier 401 2019 (4a-b) DOC-CAP Testing Cores Page 485 of 908

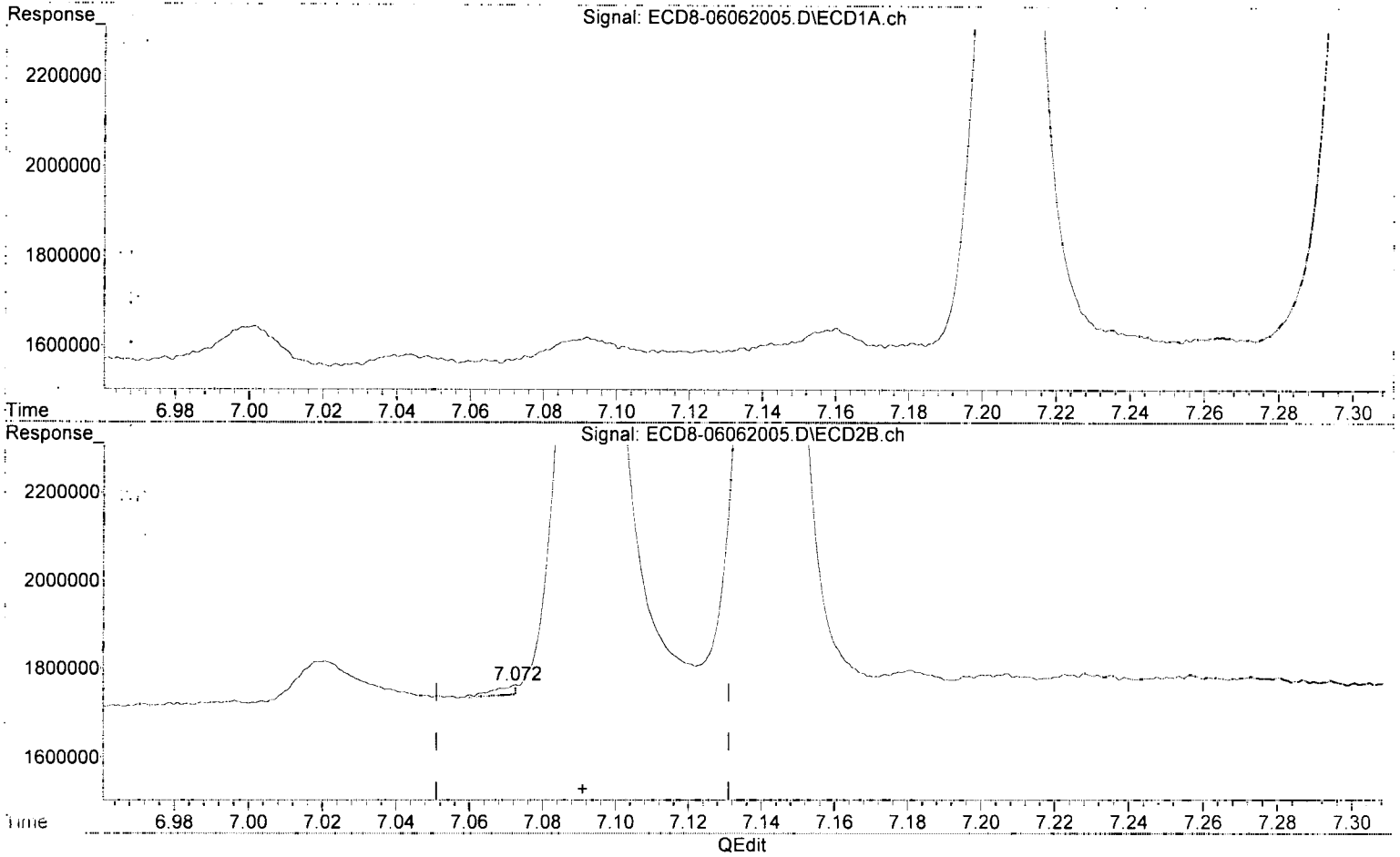
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M

Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

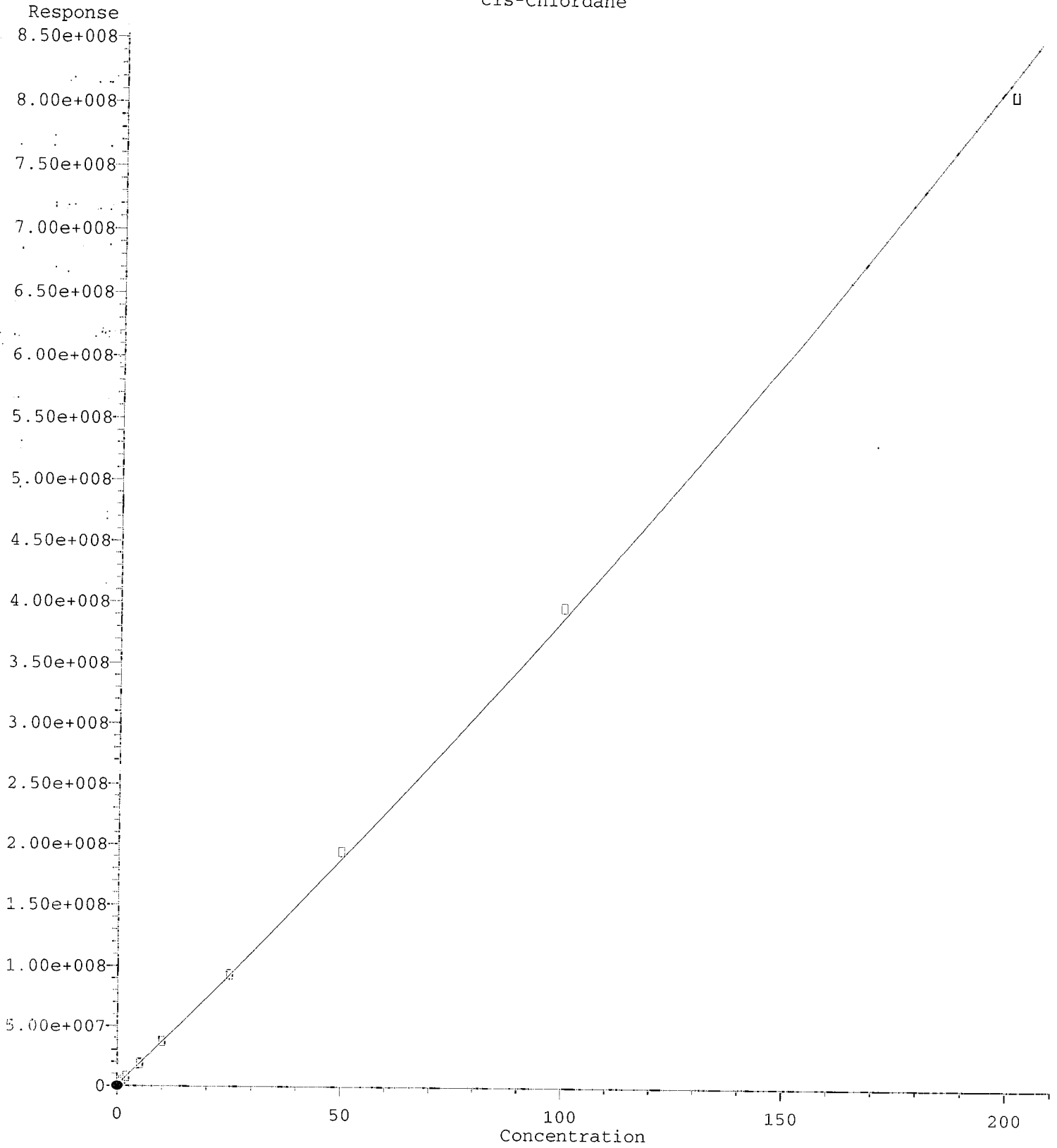


(6) d-BHC
6.307min 0.057 ng/mL m
response 80219

MJB
6/7/20

(6) d-BHC #2
7.072min 0.041 ng/mL(m)
response 22076

cis-Chlordane

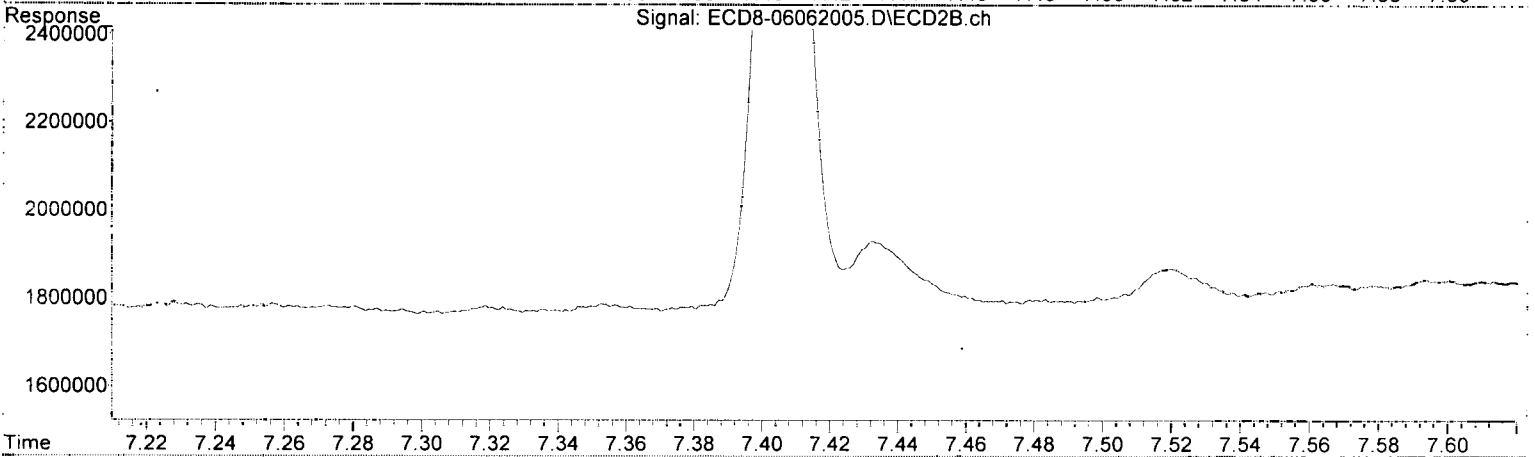
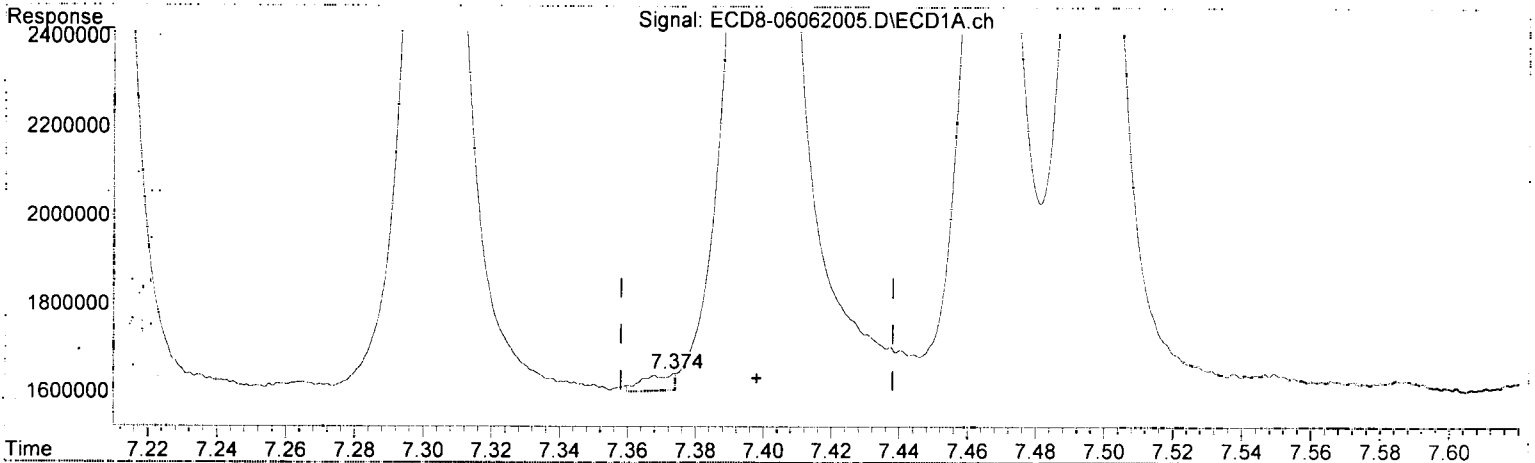


R = 2.56e+003 A*A + 3.62e+006 A + 7.53e+005
Coef of Det (r^2) = 0.989
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2009
07/24/20 Anchor QEX, LLC Gaso Perms DC-2019 14a6.D DC-CAP Testing Cores Page 487 of 908

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

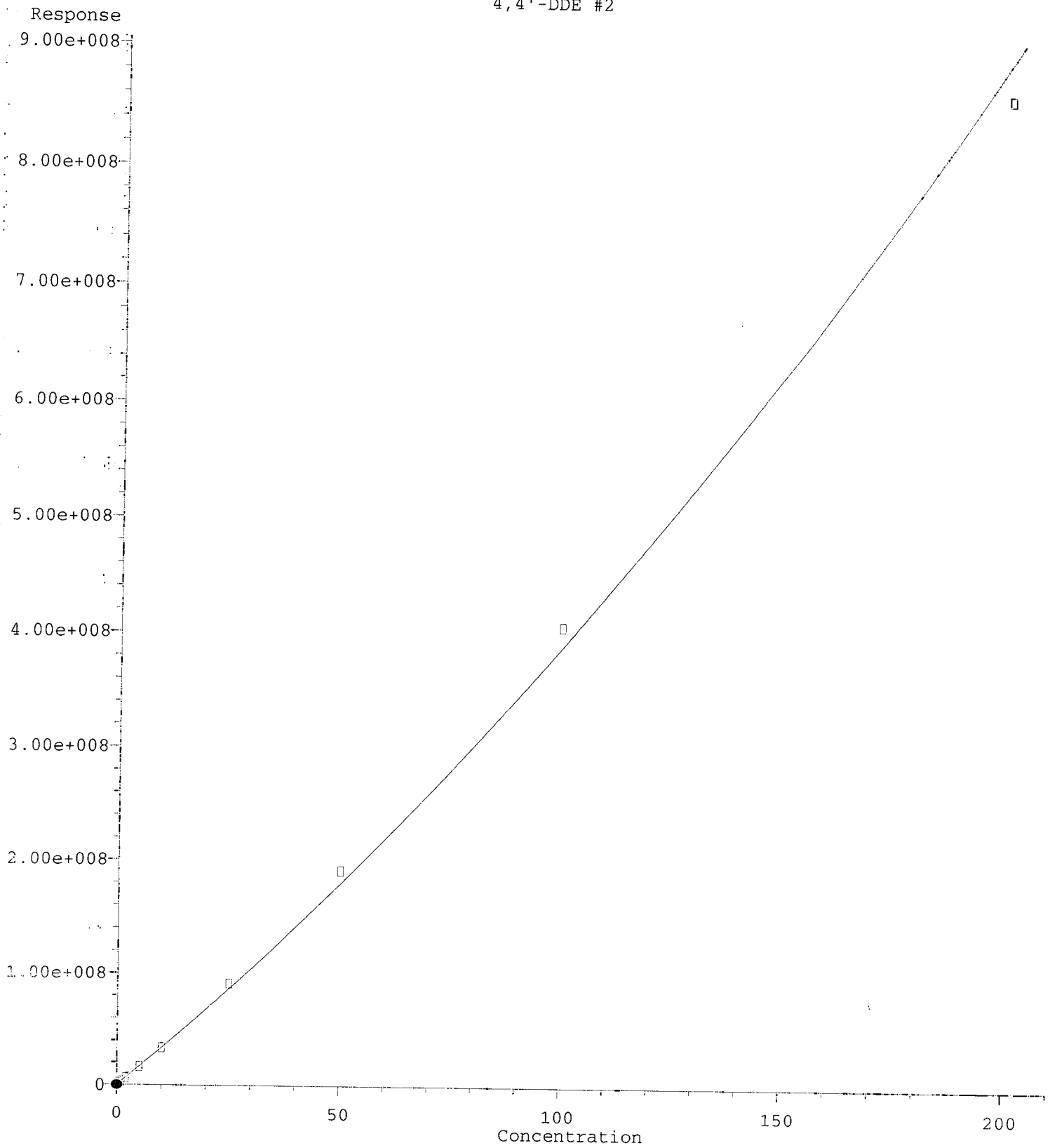


(10) cis-Chlordane
7.374min -0.198 ng/mL(m)
response 37331

MJB
6/7/20

(10) cis-Chlordane #2
8.095min 0.579 ng/mL
response 2156882

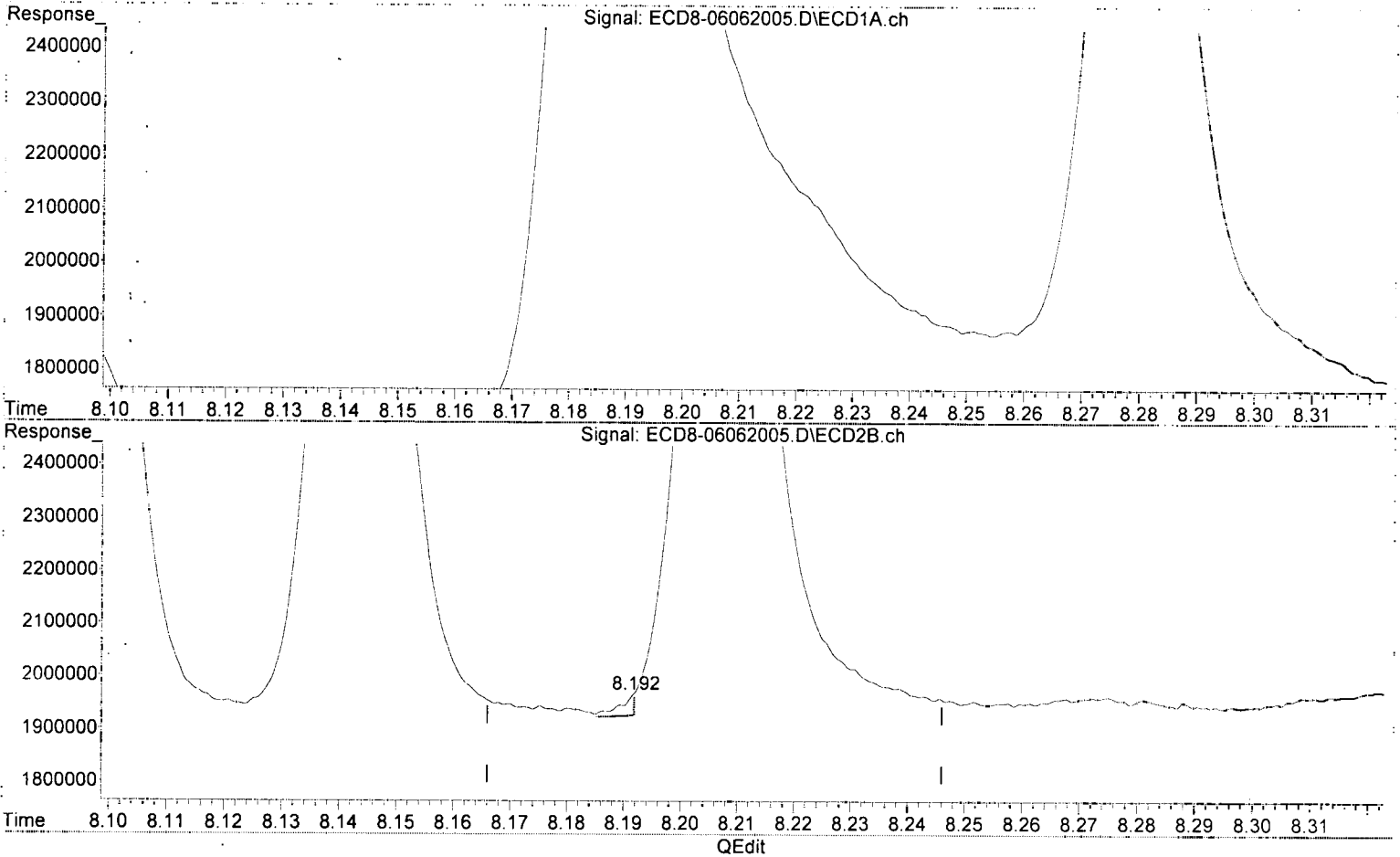
4,4'-DDE #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

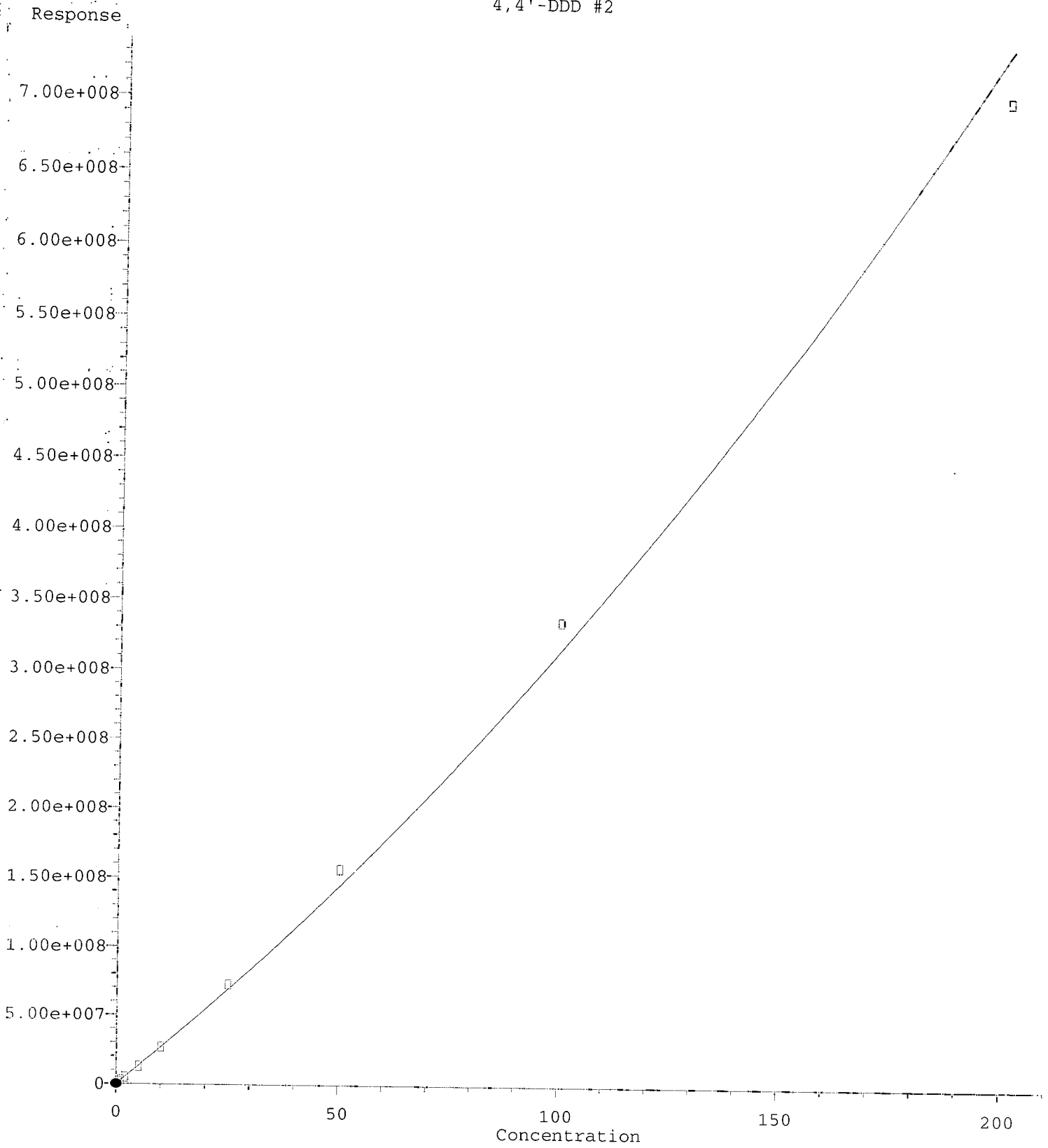
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.467min 0.500 ng/mL
response 1831508

MJB
6/7/20

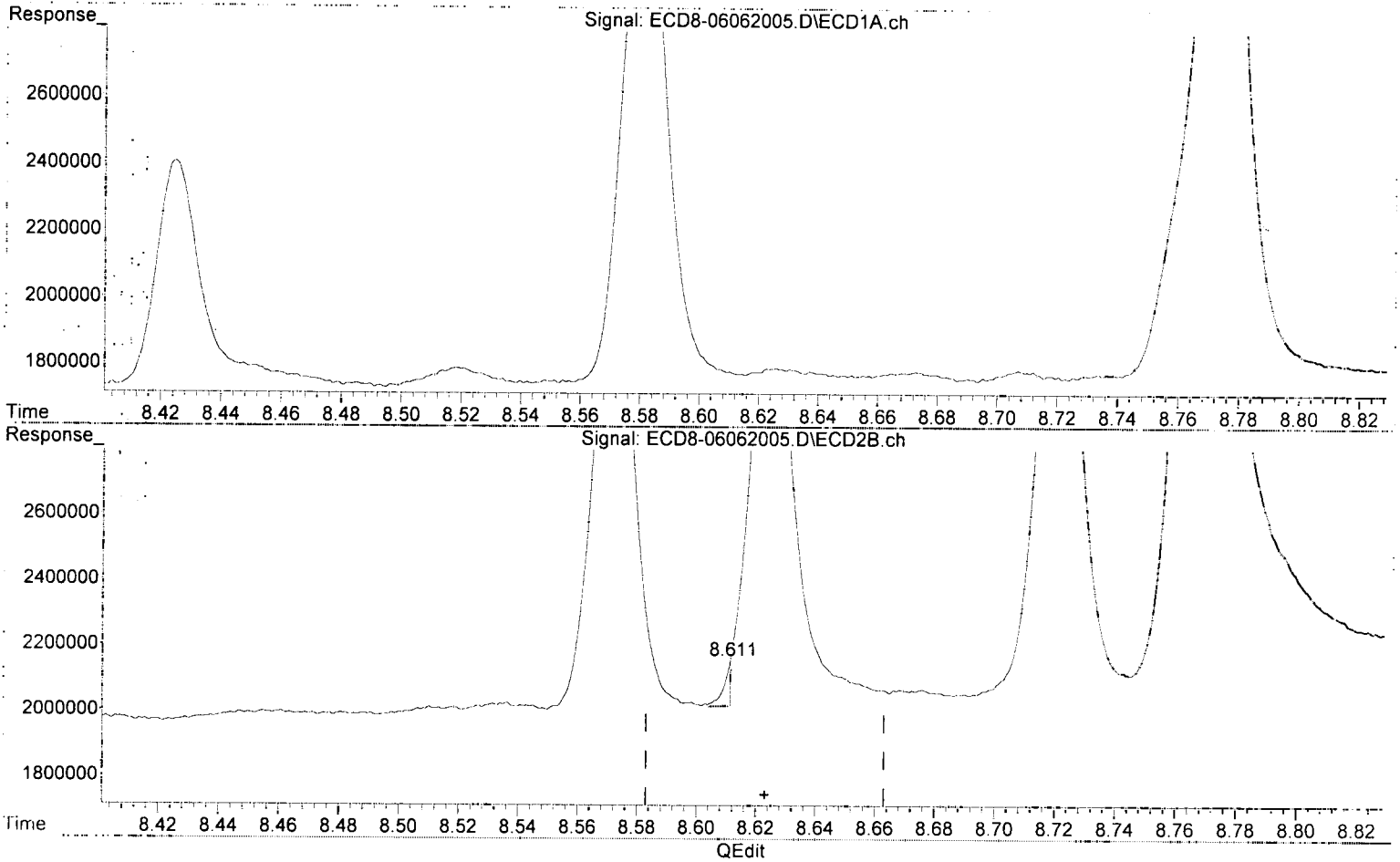
(12) 4,4'-DDE #2
8.192min 0.018 ng/mL(m)
response 39729



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



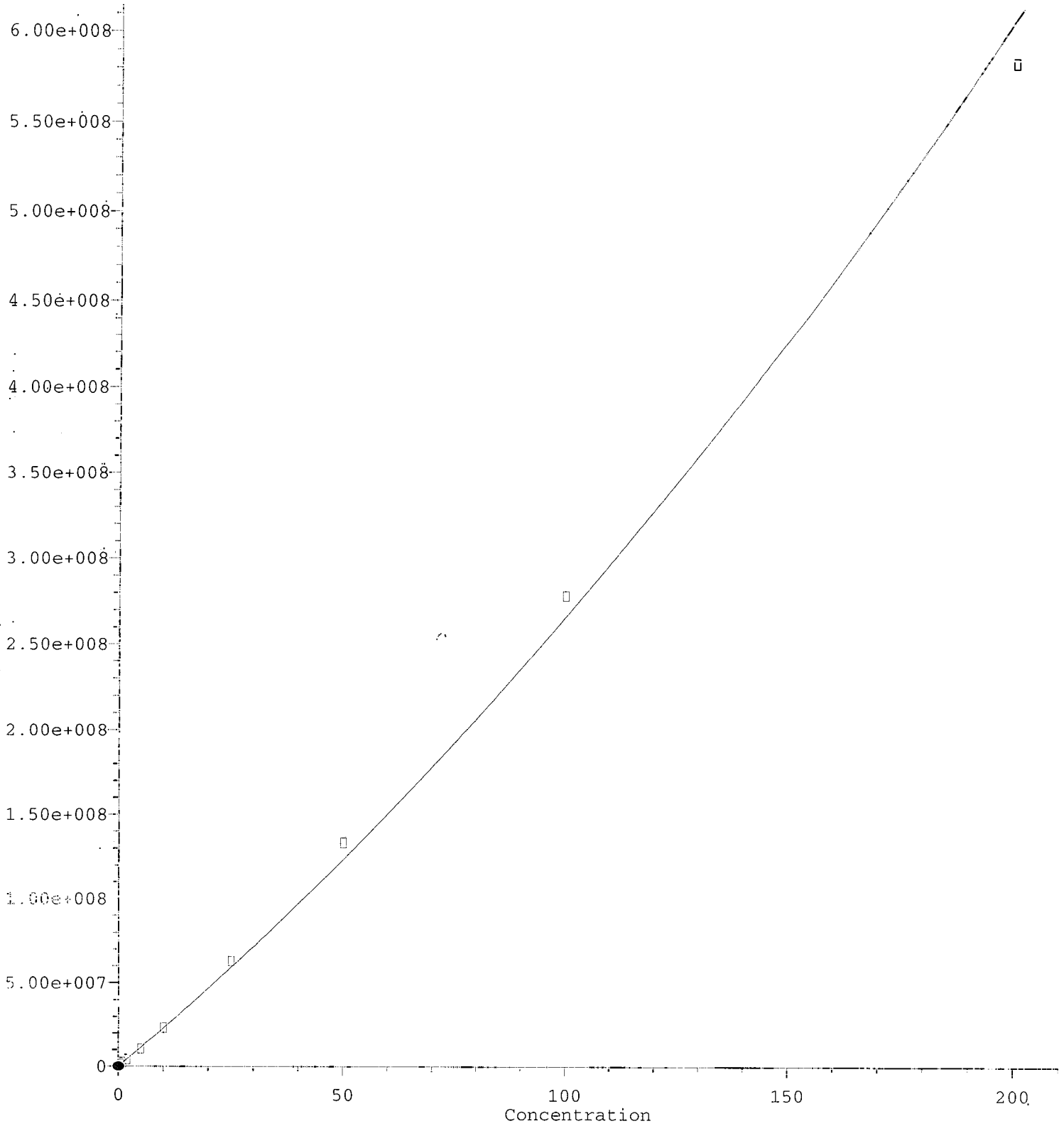
(15) 4,4'-DDD
7.888min 0.483 ng/mL
response 1378674

MJB 6/7/20

(15) 4,4'-DDD #2
8.611min 0.030 ng/mL(m)
response 138557

4,4'-DDT

Response



$R = 3.88e+003 A^*A + 2.27e+006 A - 2.10e+004$

Coef of Det (r^2) = 0.9895
07/24/20 Anchor QEA, LLC - Gasco Pier 1 DC 2019 14a-B DOC-CAP Testing Cores Page 493 of 908

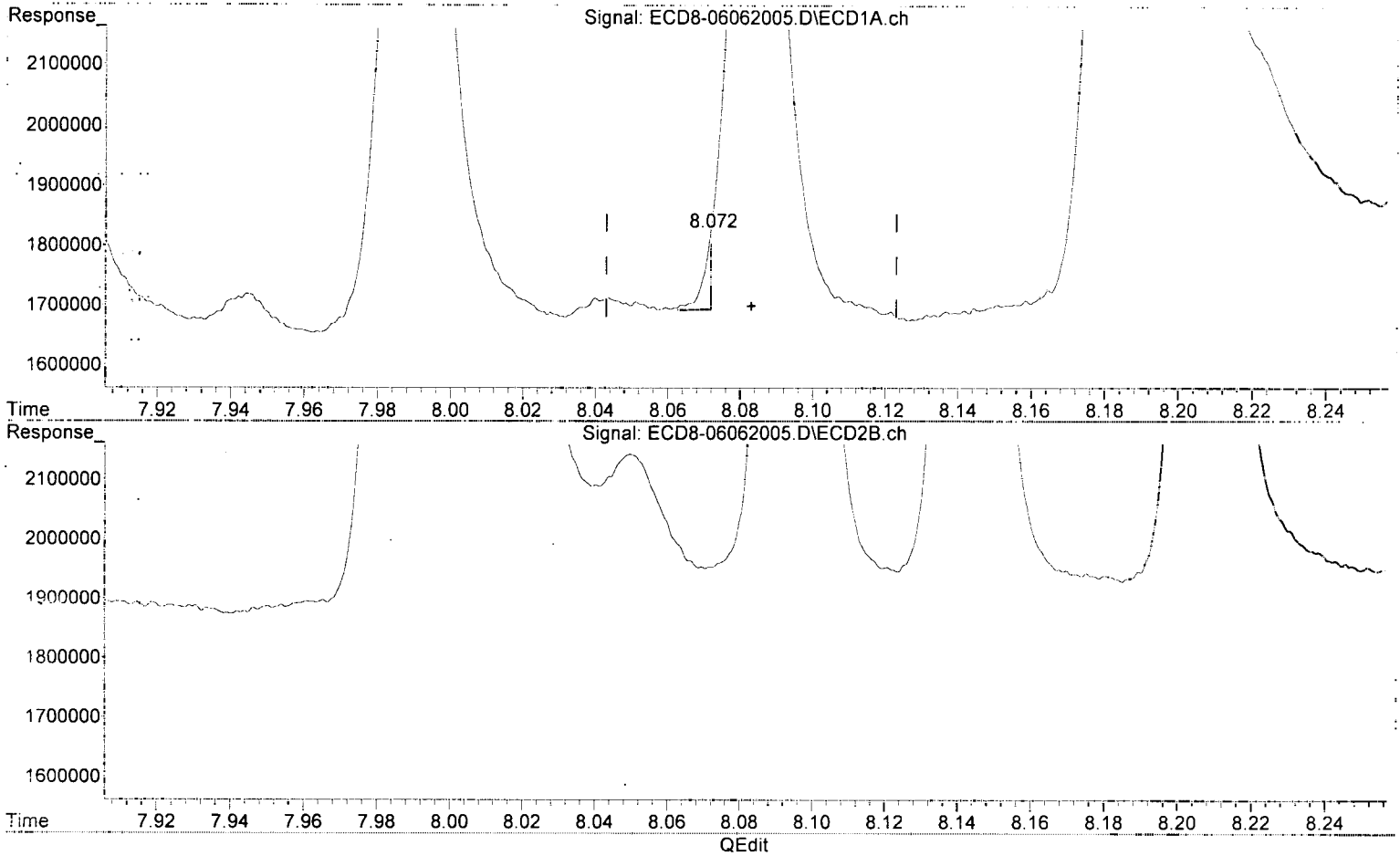
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M

Calibration Table Last Updated: Sun Jun 07 14:14:30 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT

8.072min 0.066 ng/mL(m)

response 129017

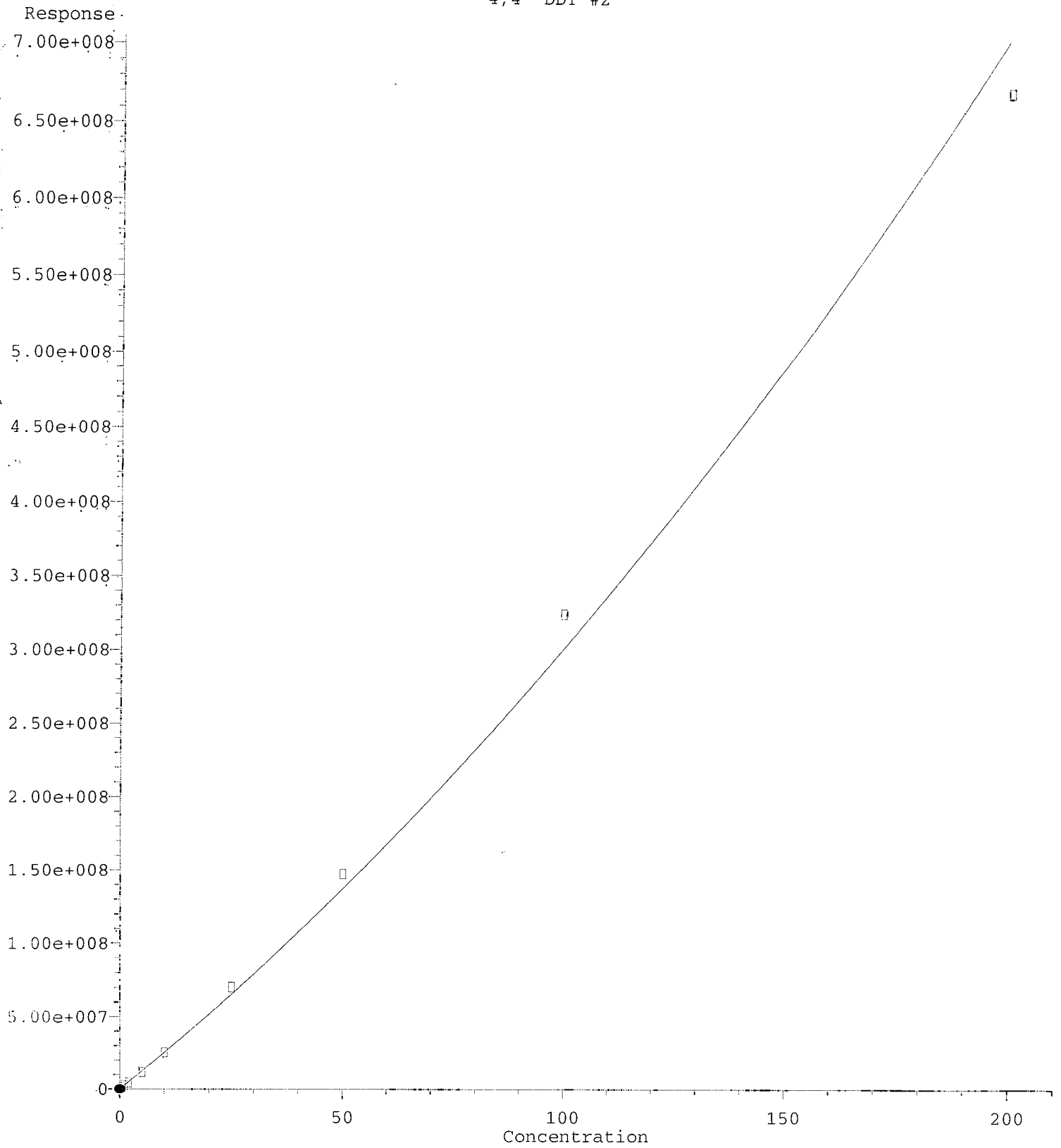
MJB
6/7/20

(17) 4,4'-DDT #2

8.851min 0.524 ng/mL

response 1397421

4,4'-DDT #2



$R = 5.29e+003 A^2 + 2.48e+006 A + 9.52e+004$

Coef of Det (r^2) = 0.9994
07/24/20 Anchor QEA, LC-Gasco-PreRD-2019-14-B-DC-CAP Testing Cores Page 495 of 908

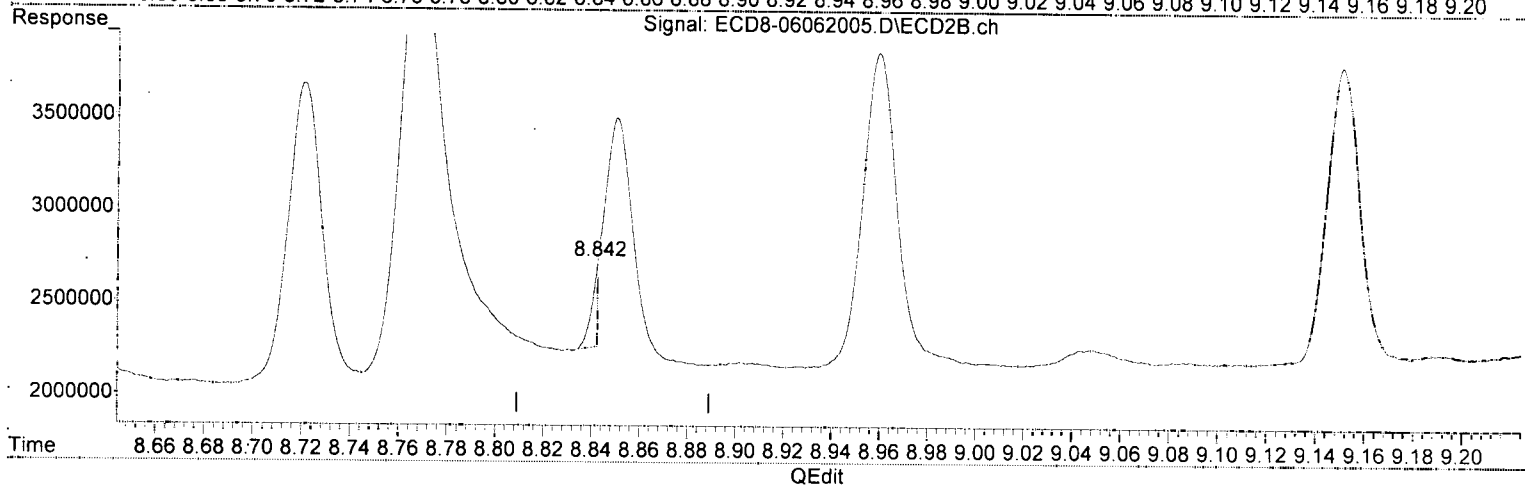
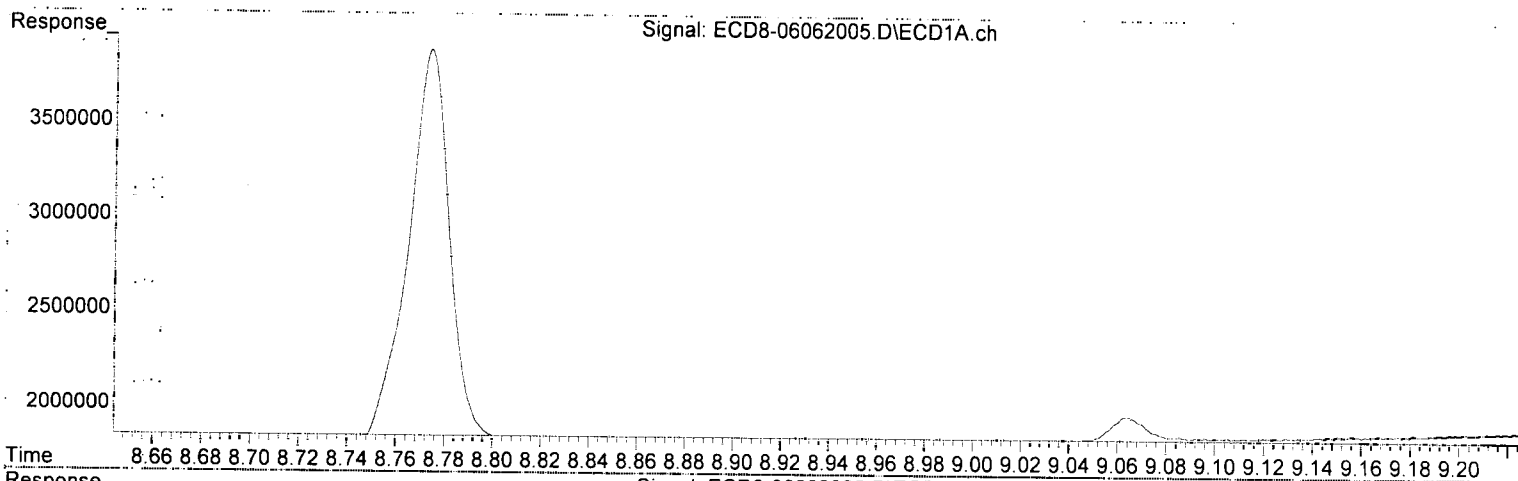
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M

Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT

8.072min 0.066 ng/mL m

response 129017

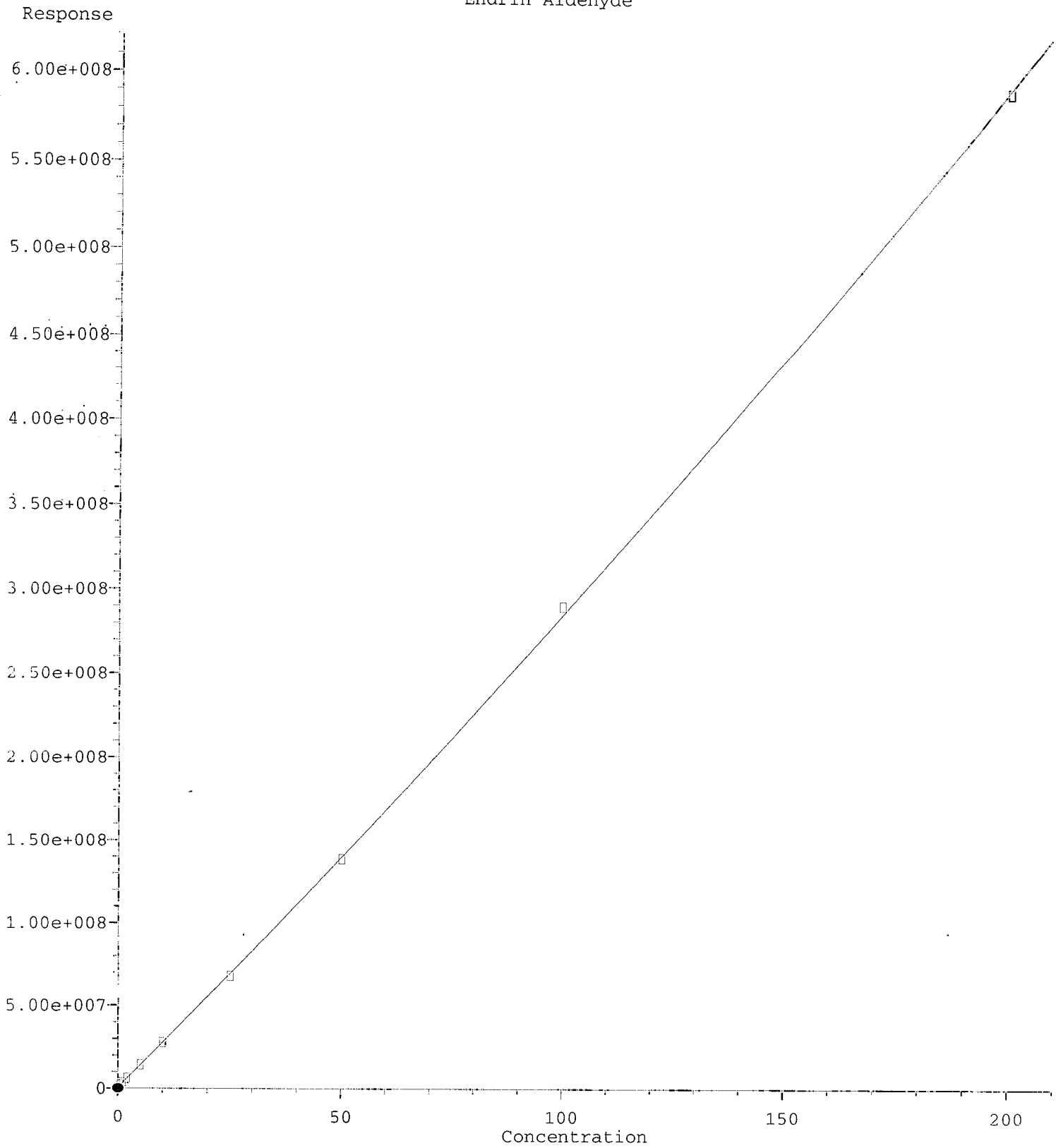
*MJB
6/7/20*

(17) 4,4'-DDT #2

8.842min 0.131 ng/mL m

response 420517

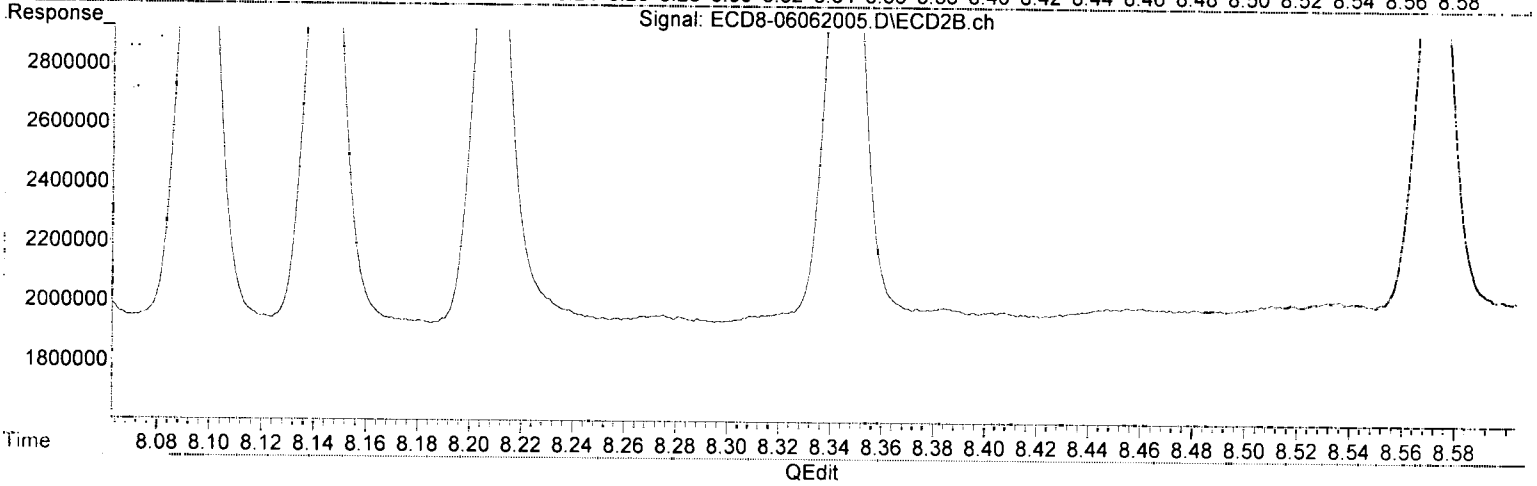
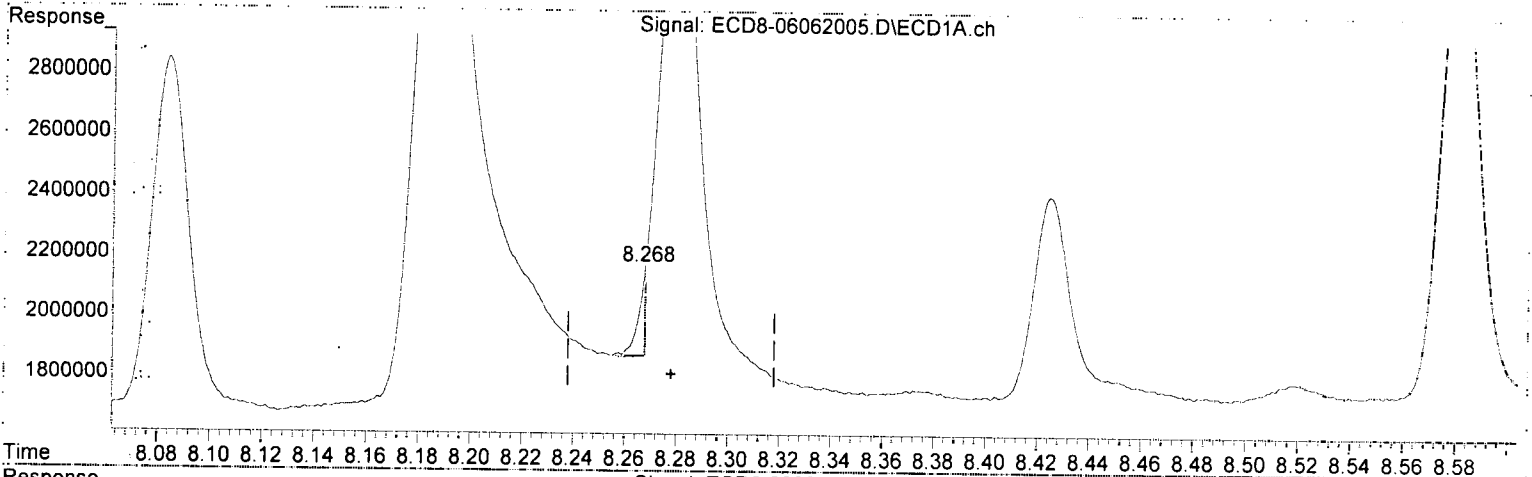
Endrin Aldehyde



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



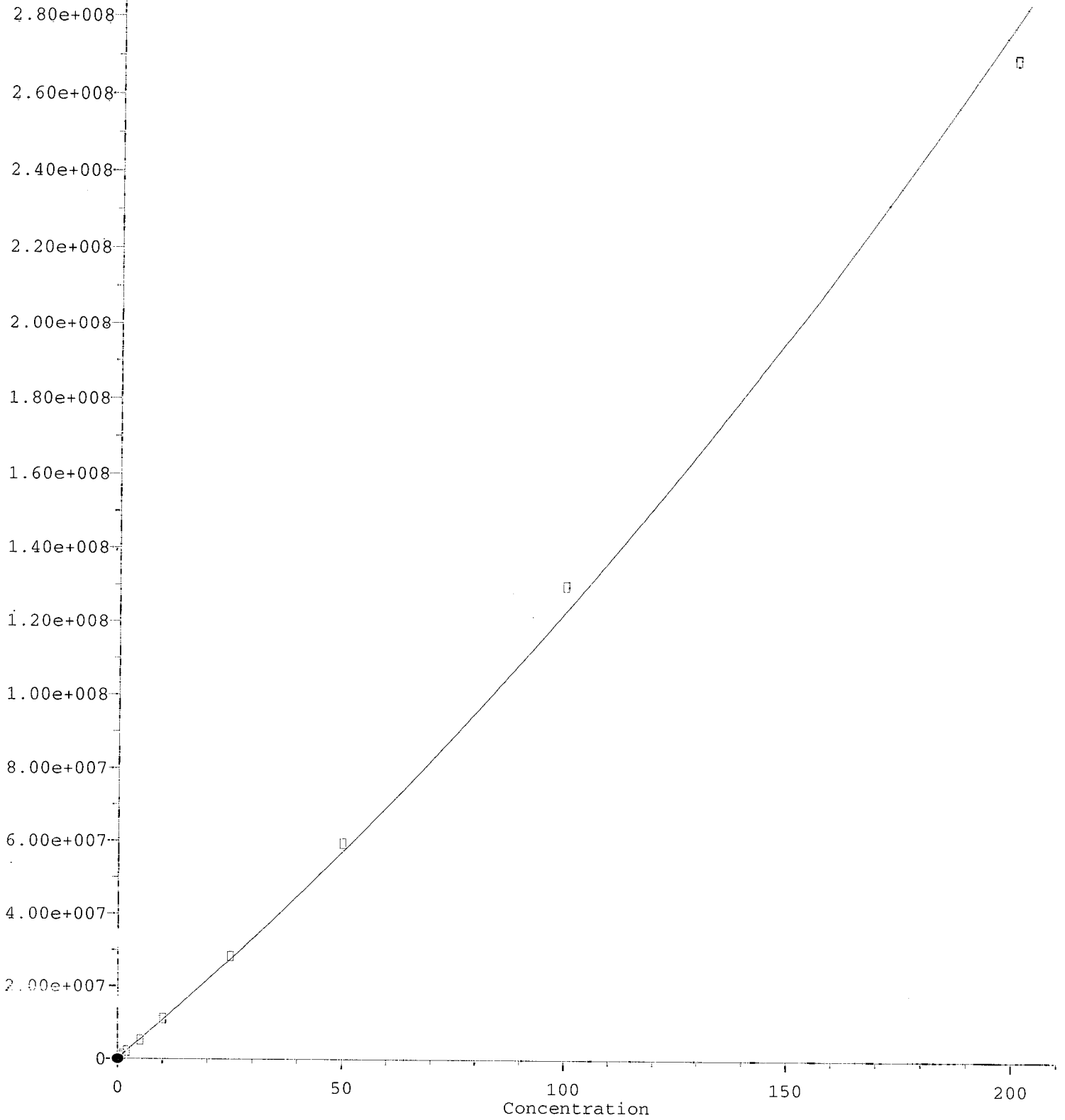
(18) Endrin Aldehyde
8.268min -0.090 ng/mL(m)
response 296884

MJB
6/7/20

(18) Endrin Aldehyde #2
8.960min 0.594 ng/mL
response 1718494

Methoxychlor

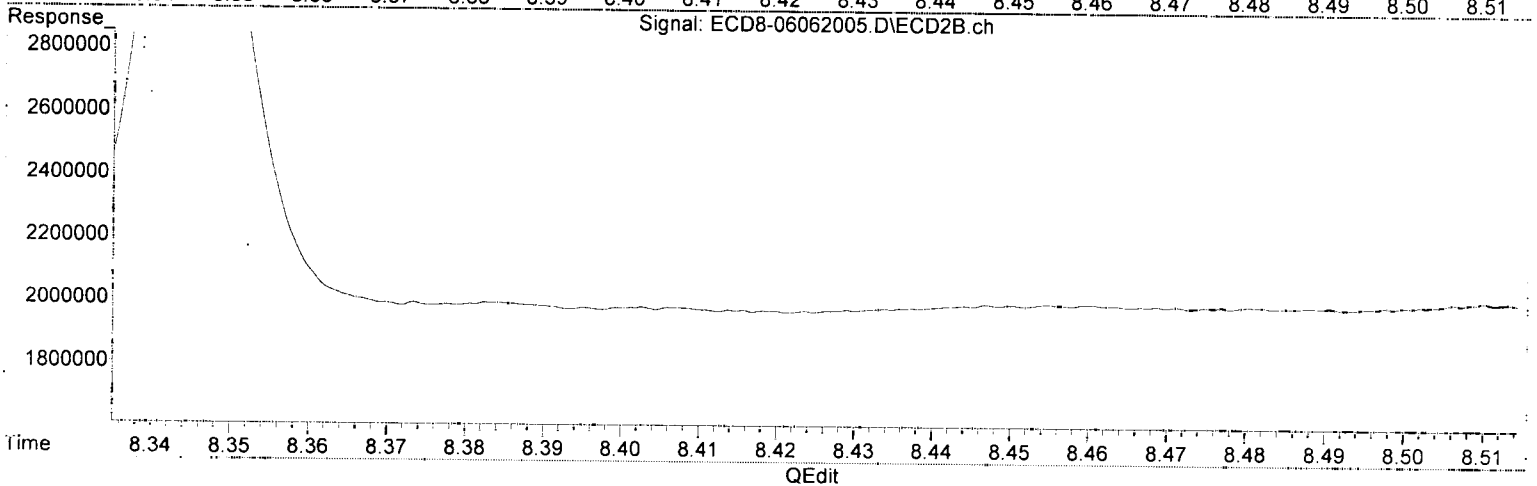
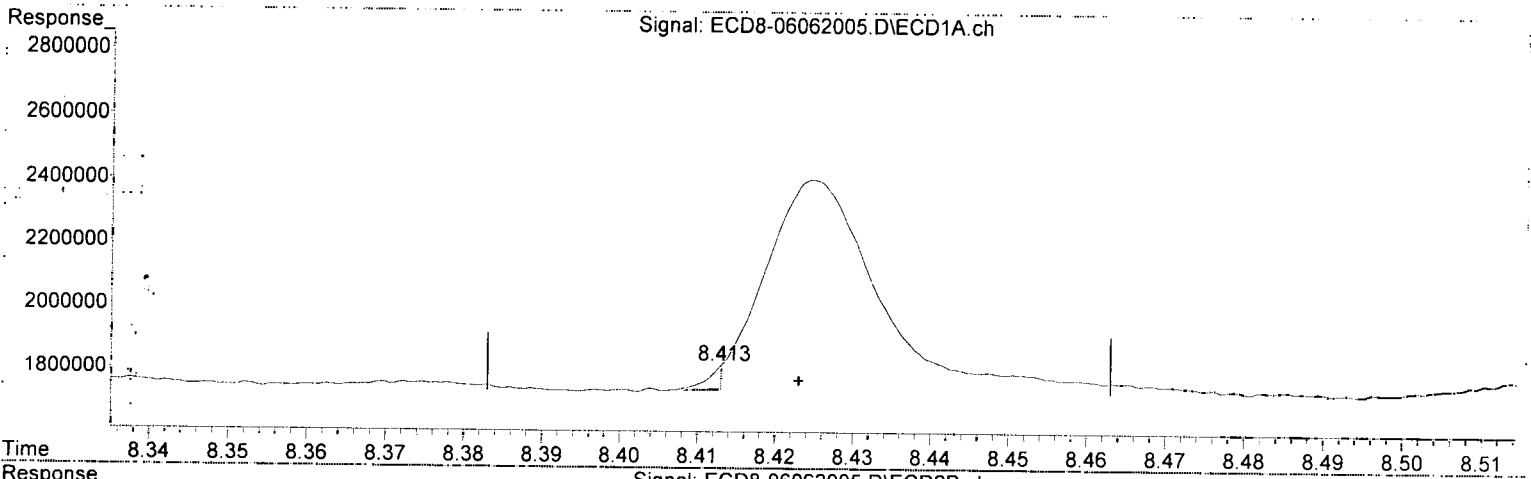
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



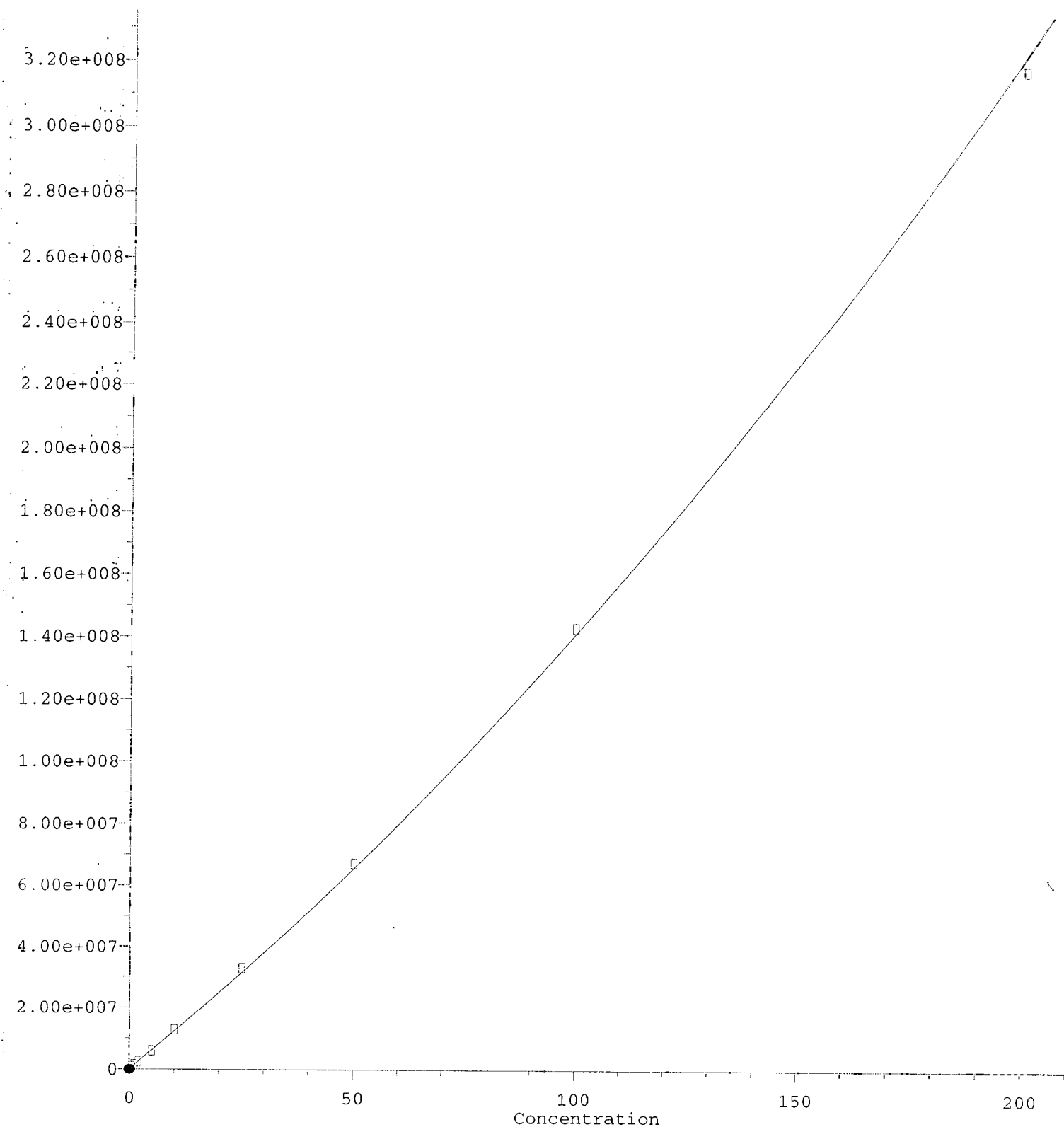
(20) Methoxychlor
8.413min -0.069 ng/mL(m)
response 77928

*MJB
6/7/20*

(20) Methoxychlor #2
9.335min 0.508 ng/mL
response 797429

Methoxychlor #2

Response



$R = 2.09e+003 A^2 + 1.20e+006 A + 1.88e+005$

Coef of Det (r^2) = 0.998
07/24/20 Anchor QEA, ELC - Gasco-Pre RD-DC 2019 (1 of 5) DOC-CAP Testing Cores Page 501 of 908

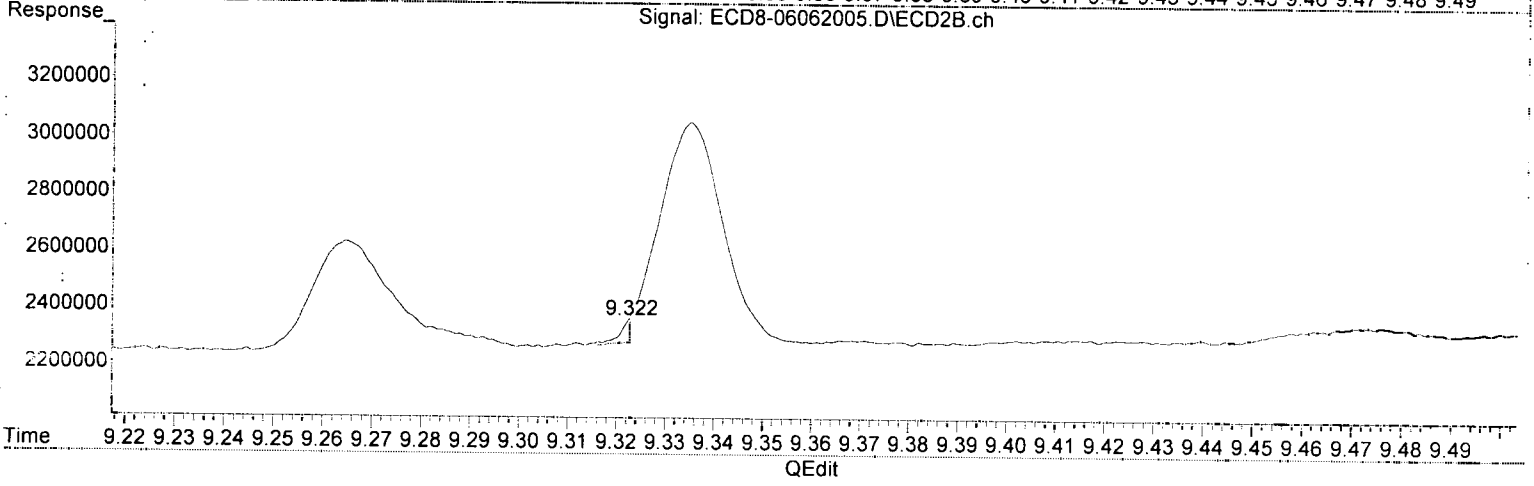
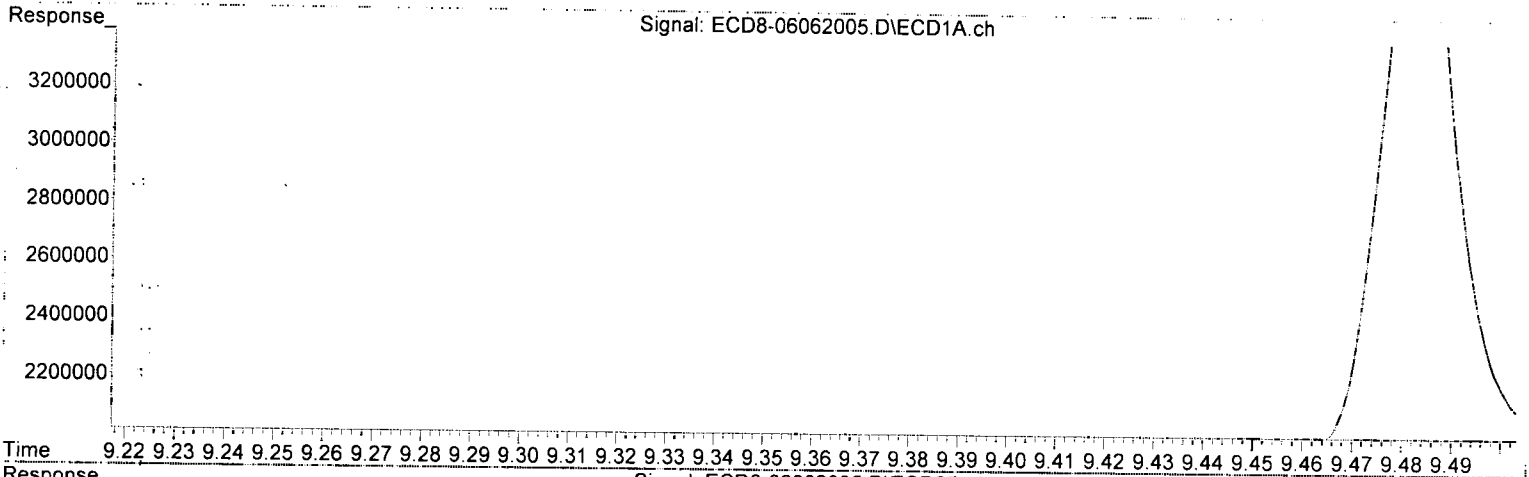
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M

Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



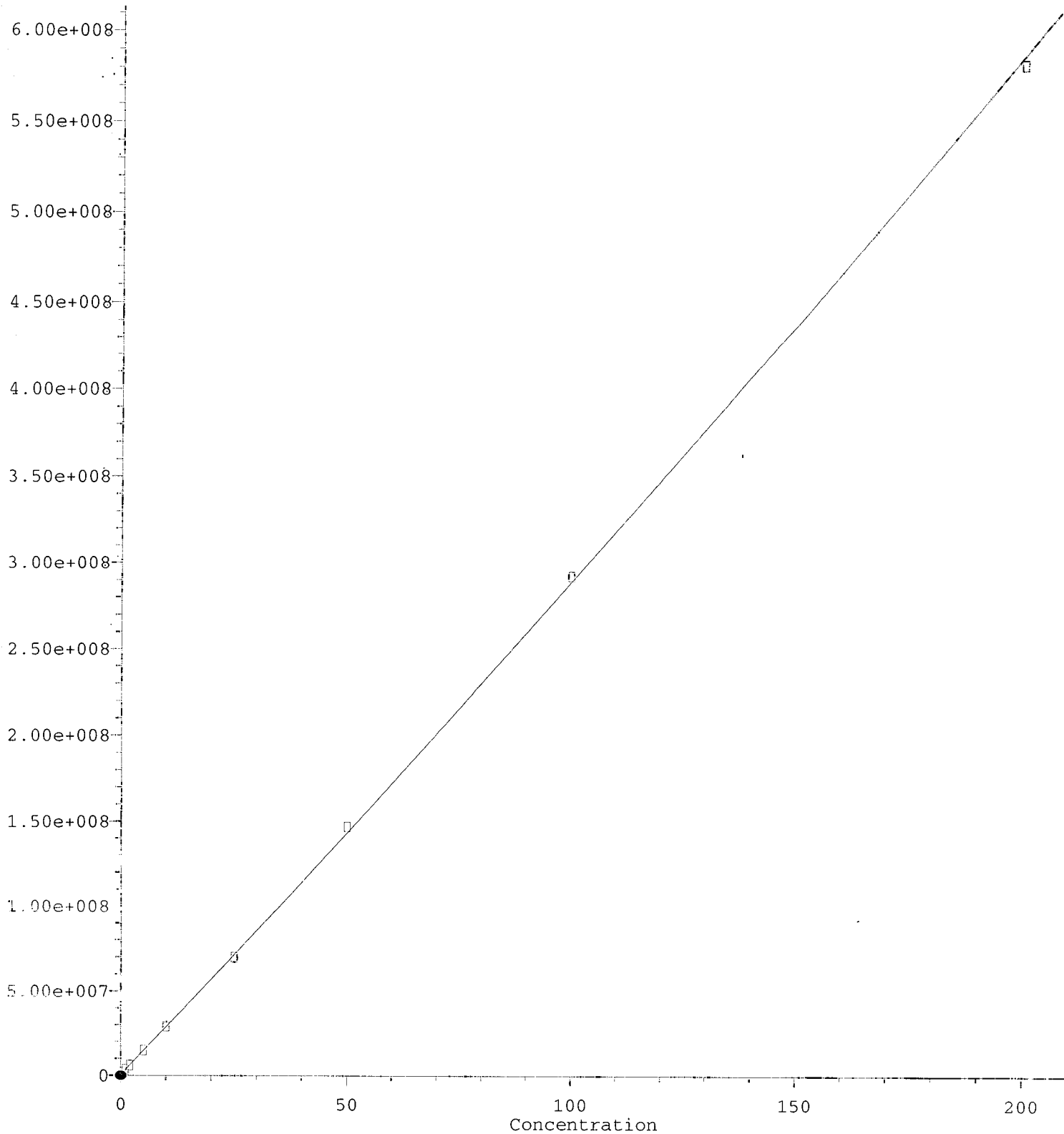
(20) Methoxychlor
8.413min -0.069 ng/mL m
response 77928

*MJB
6/7/20*

(20) Methoxychlor #2
9.322min -0.091 ng/mL(m)
response 78587

DCBP (S)

Response



$R = 6.12e+002 A^2 + 2.82e+006 A + 6.05e+005$

Coef of Det (r^2) 07/24/2000 Anchor GE, ME, E, Gasco, PierD, DC 2019-14-15 DC-CAP Testing Cores Page 503 of 908

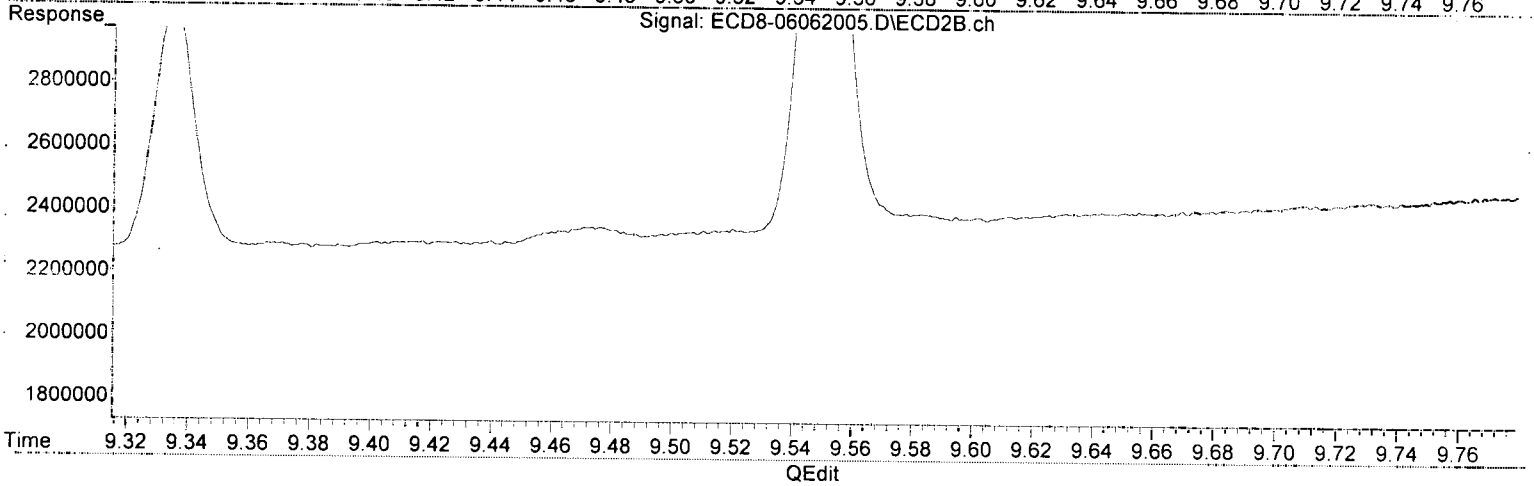
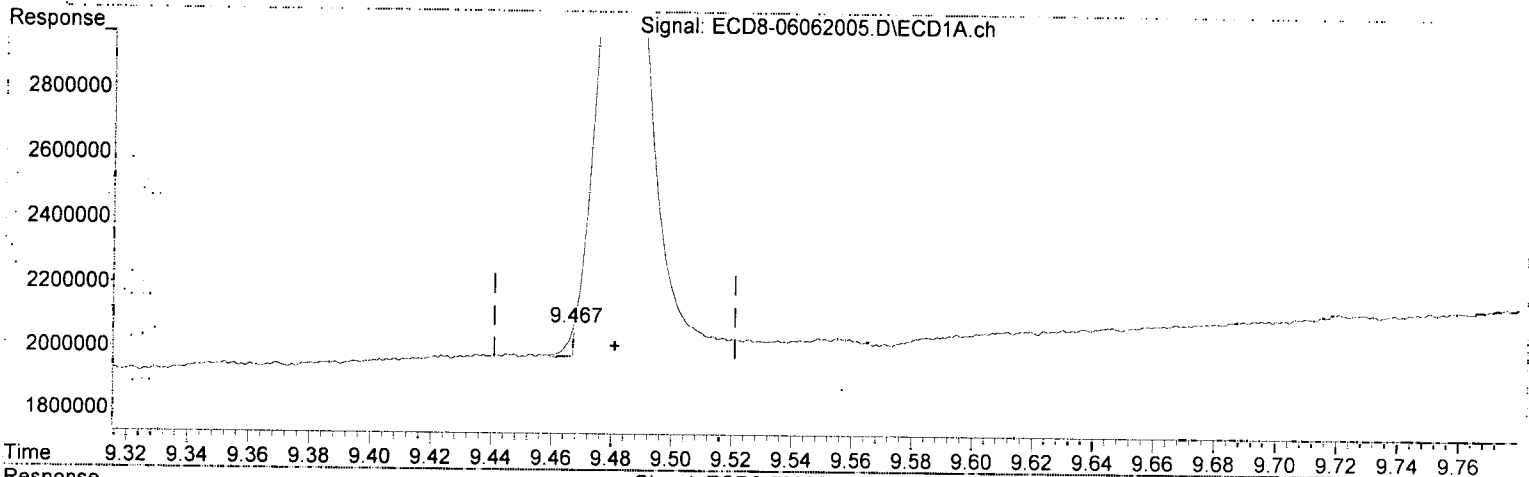
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M

Calibration Table Last Updated: Sun Jun 07 14:14:20 2009

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(22) DCBP (S) (S)

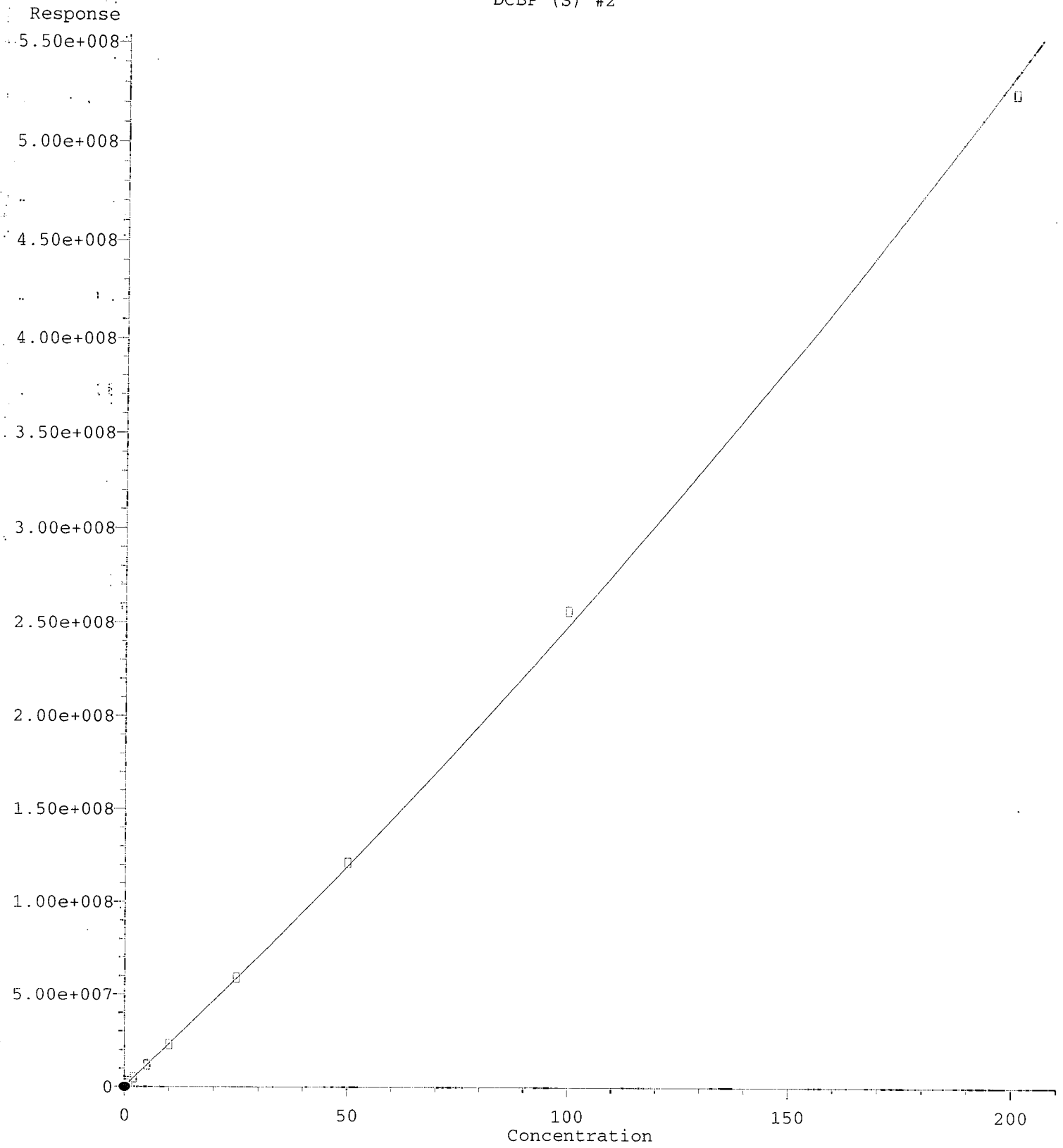
9.467min -0.183 ng/mL (M)
response 89510

MJB
6/7/20

(22) DCBP (S) #2 (S)

10.396min 0.503 ng/mL
response 1600154

DCBP (S) #2



$R = 2.05e+003 A^2 + 2.27e+006 A + 4.55e+005$

Coef of Det (r^2) 0.9999
07/24/20 Anchor QEA, LC-Gasco-Prep etc 2010 (4 of 5) DC-CAP Testing Cores Page 505 of 908

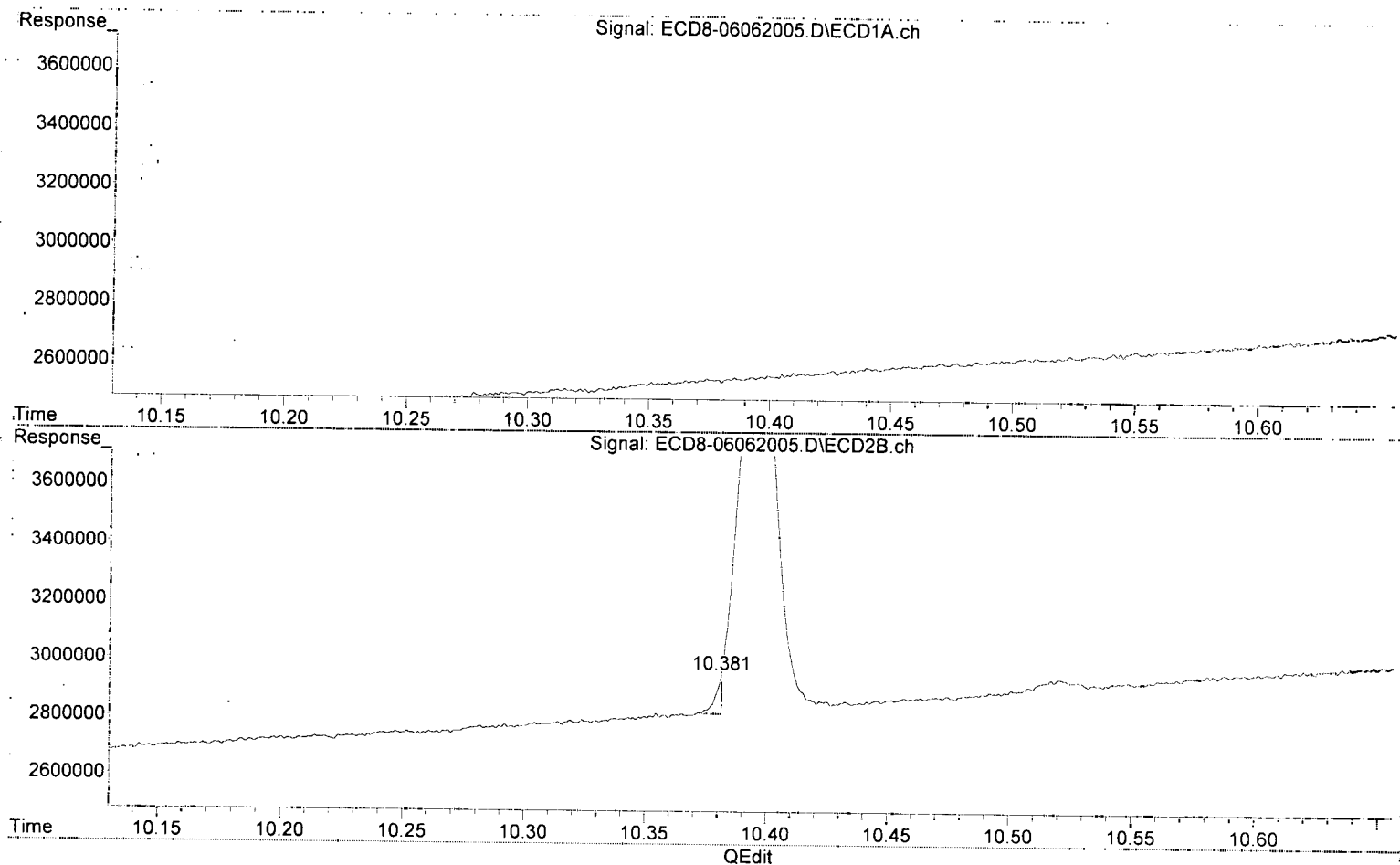
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M

Calibration Table Last Updated: Sun Jun 07 14:14:20 2010

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(22) DCBP (S) (S)

9.467min -0.183 ng/mL m

response 89510

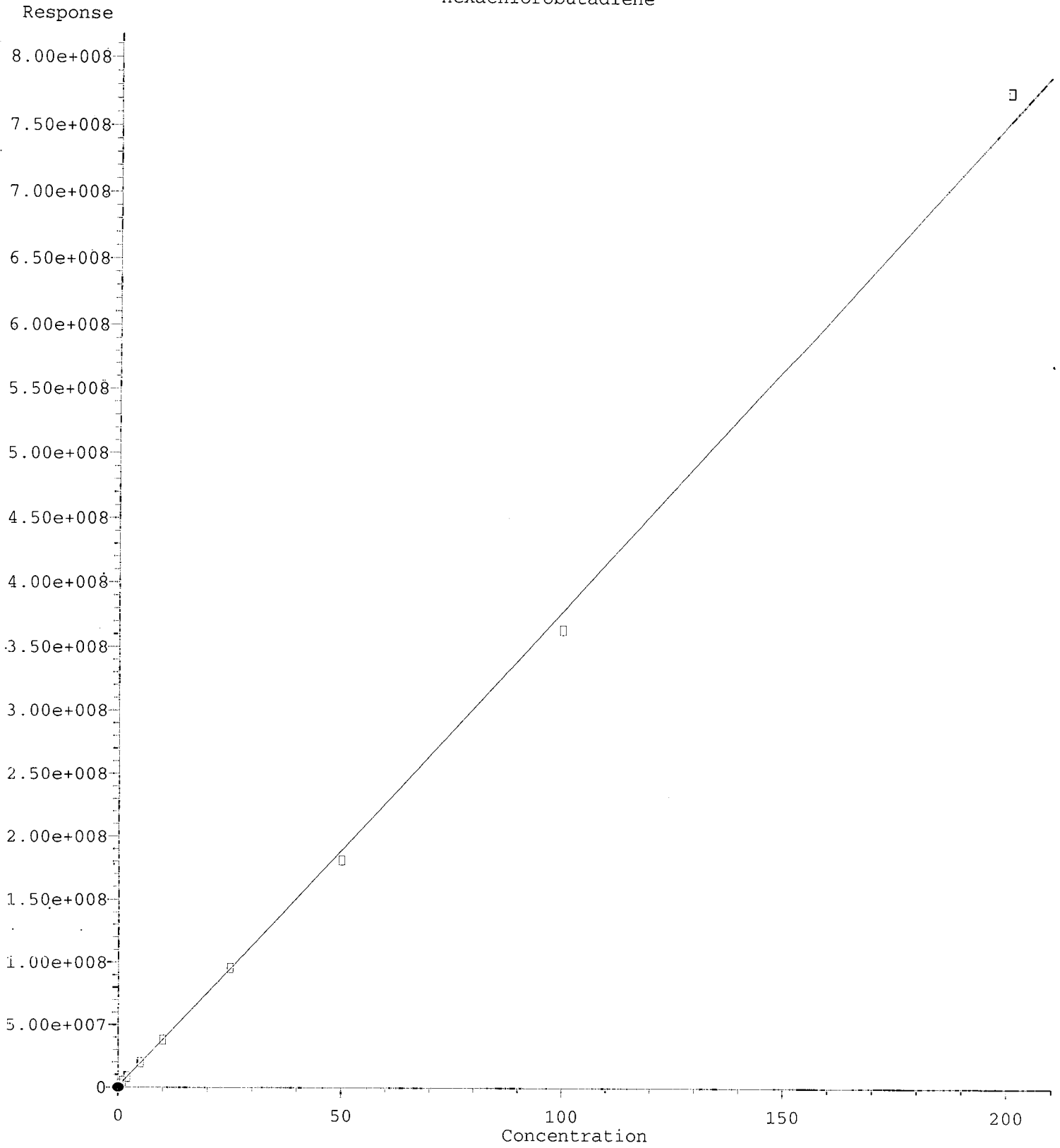
MJB
6/7/20

(22) DCBP (S) #2 (S)

10.381min -0.140 ng/mL (m)

response 136804

Hexachlorobutadiene



$R = 7.92e+001 A^2 + 3.76e+006 A + 7.14e+005$

Coef of Det (r^2) = 0.998. Curve Fit: Quadratic with 1/20
07/24/20 Anchor QEA, LLC - Gasco-PIERD DG 2019 1a-B.DOC-CAP Testing Cores Page 507 of 908

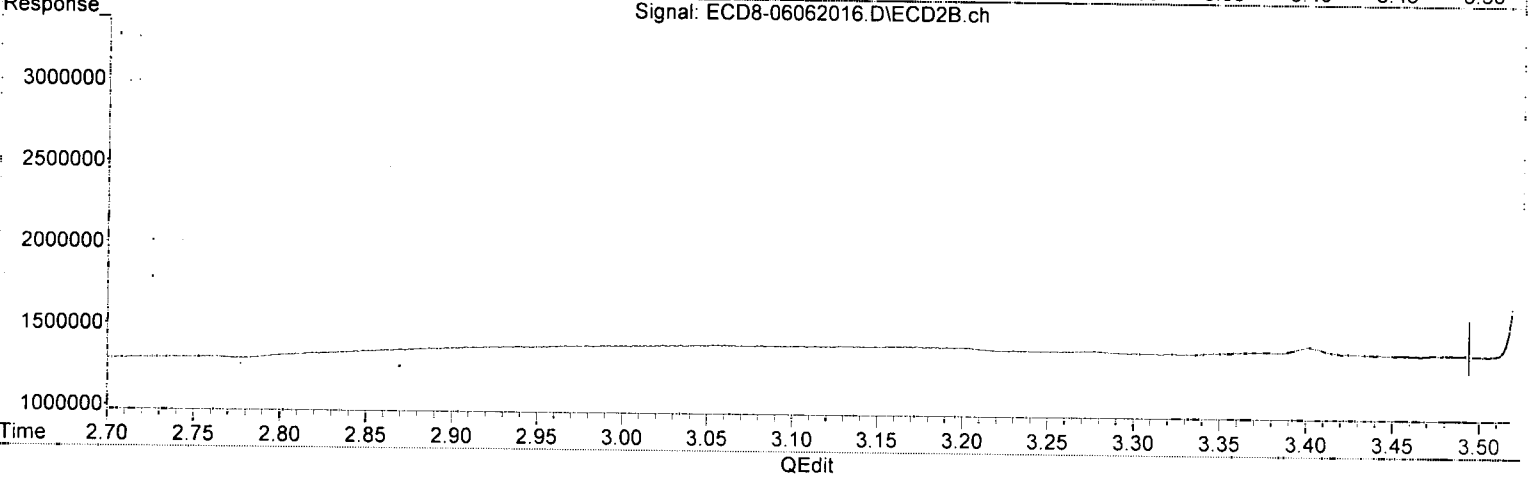
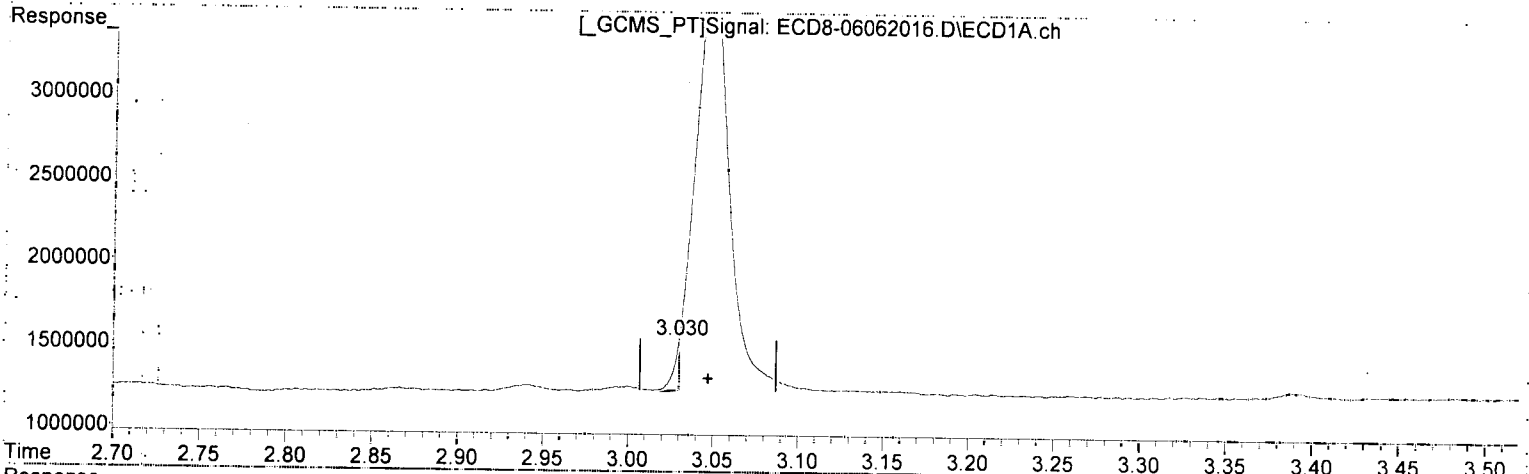
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M

Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

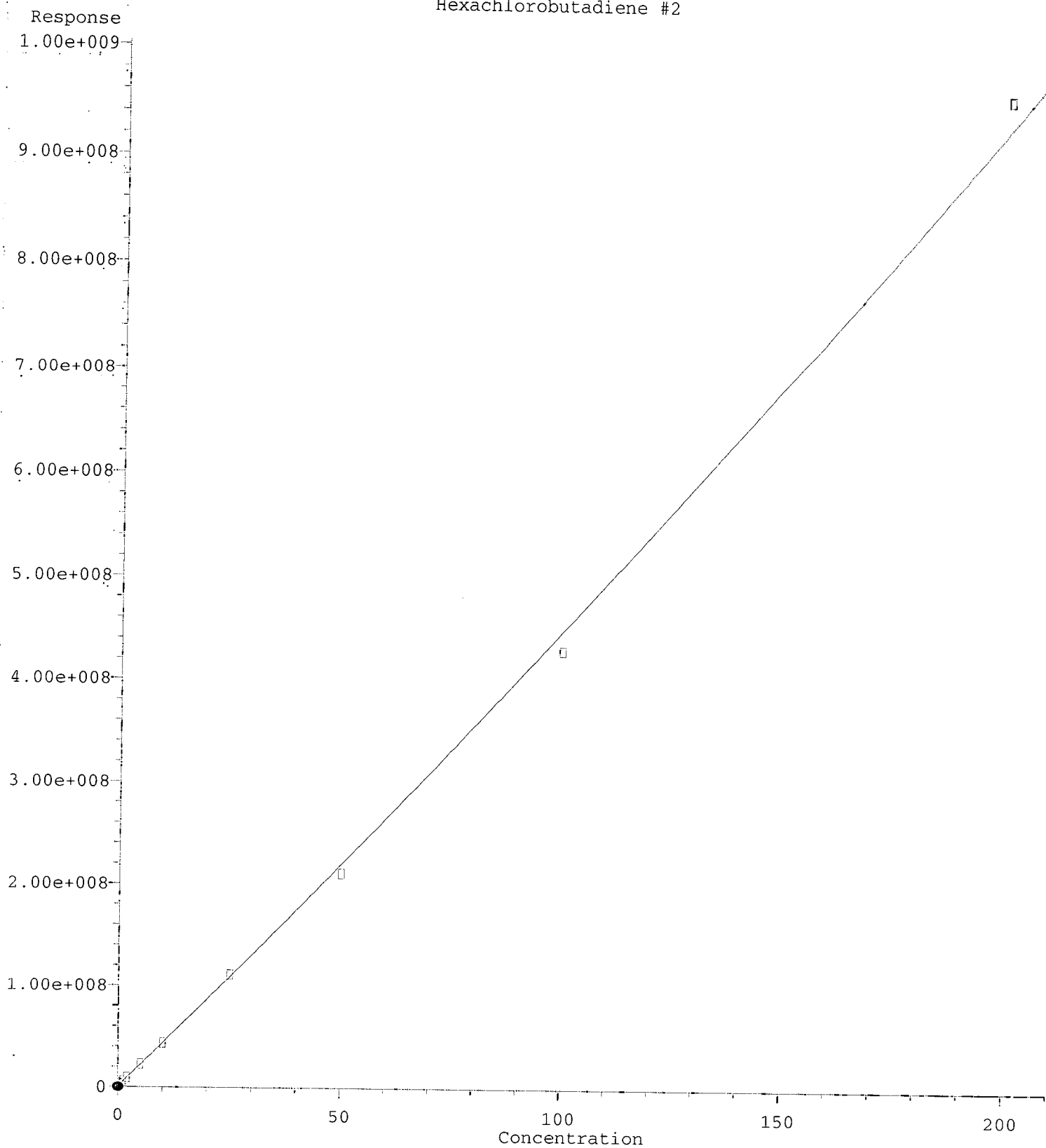


(23) Hexachlorobutadiene
3.030min -0.109 ng/mL(m)
response 303996

*MJB
6/7/20*

(23) Hexachlorobutadiene #2
3.534min 0.481 ng/mL
response 2831116

Hexachlorobutadiene #2

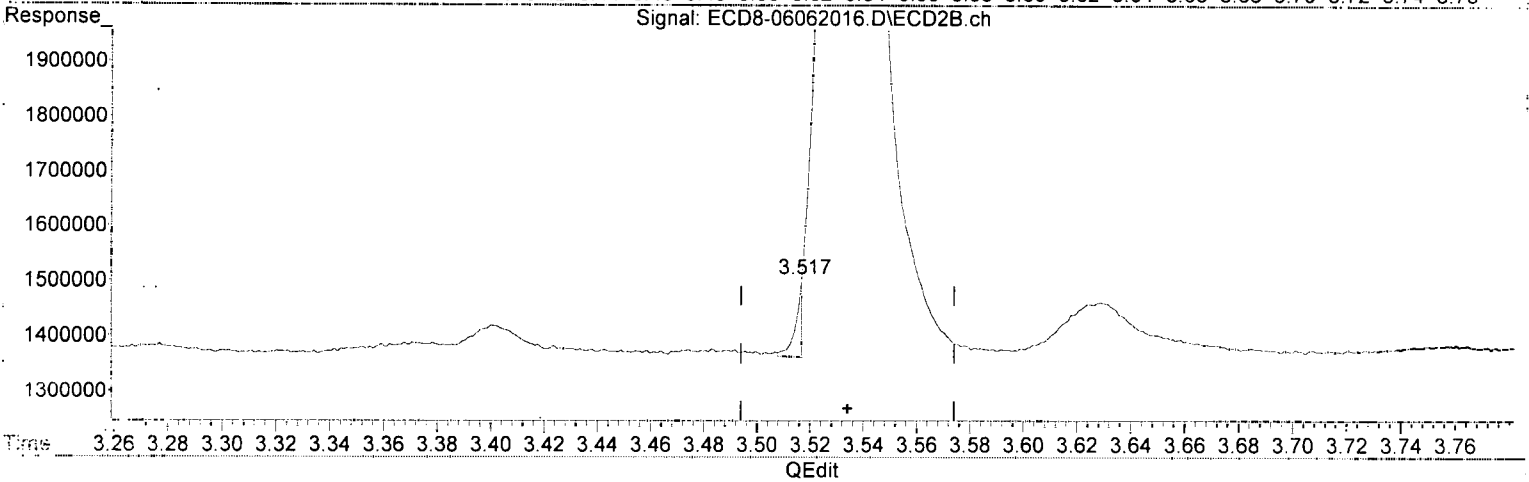
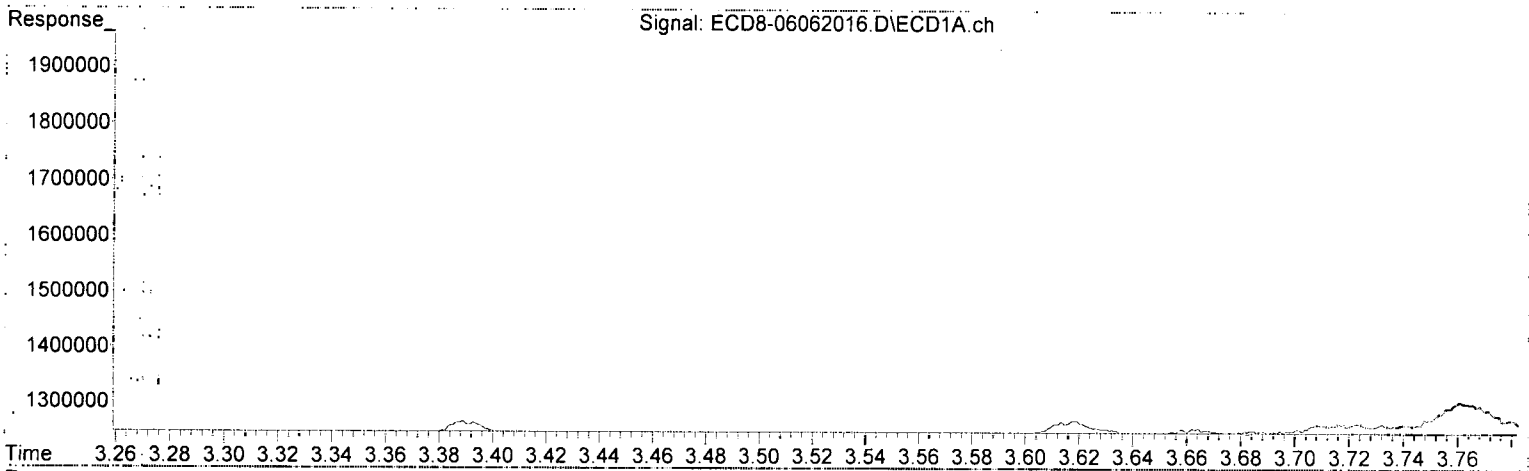


R = 1.82e+003 A*A + 4.29e+006 A + 7.67e+005
Coef of Det (r^2) = 0.998
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2009
Anchor QEA, LLC - Gas Chromatography - DDC-CAP Testing Cores Page 509 of 908

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

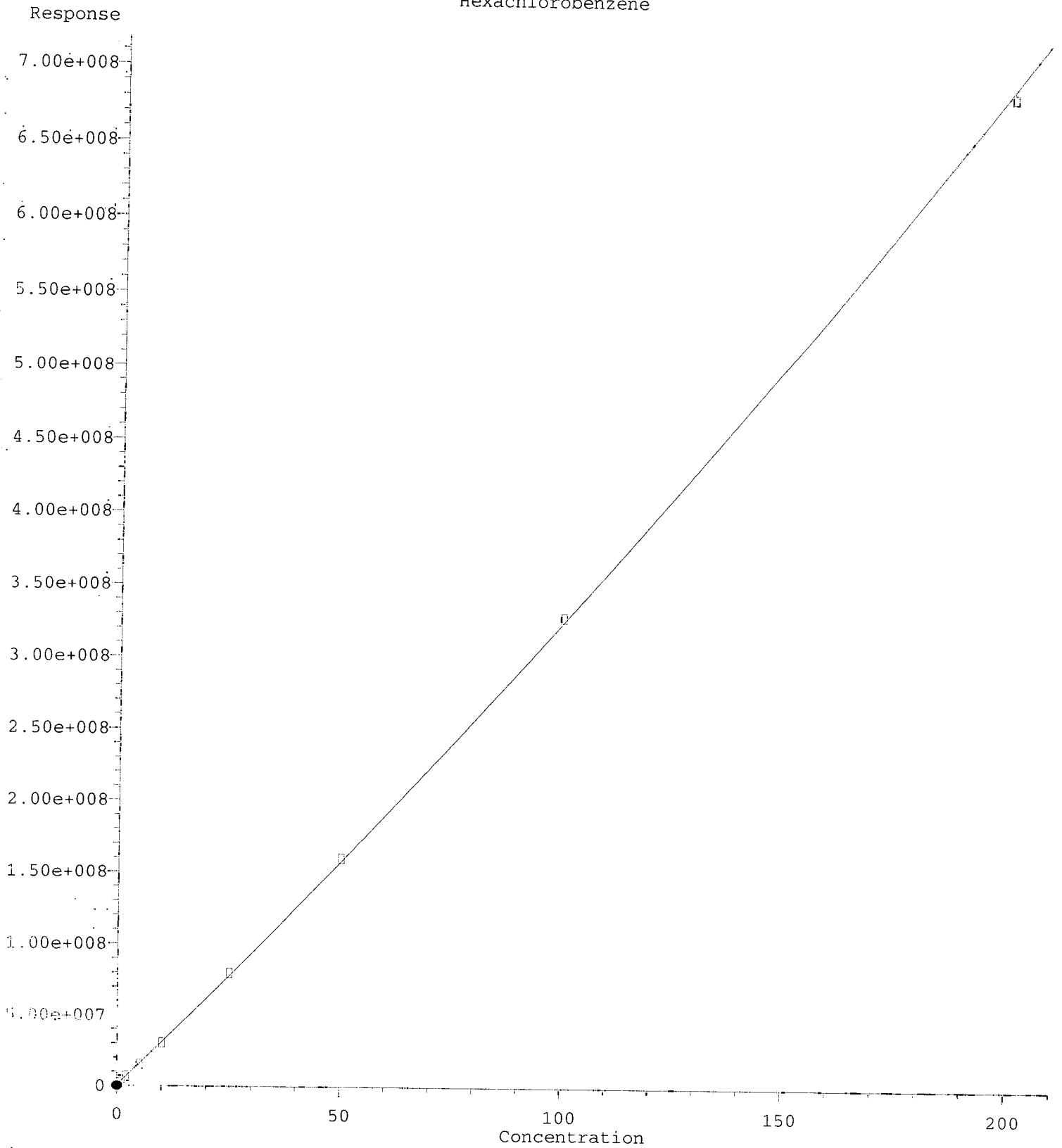


(23) Hexachlorobutadiene
3.030min -0.109 ng/mL m
response 303996

*MJB
6/7/20*

(23) Hexachlorobutadiene #2
3.517min -0.146 ng/mL (m)
response 142557

Hexachlorobenzene

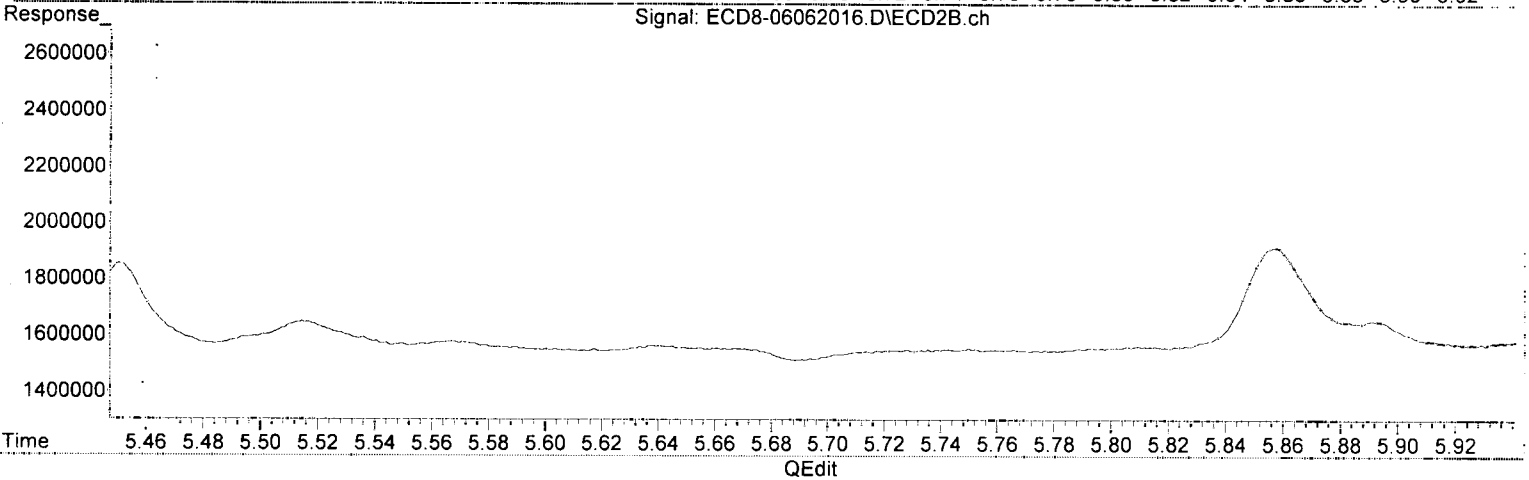
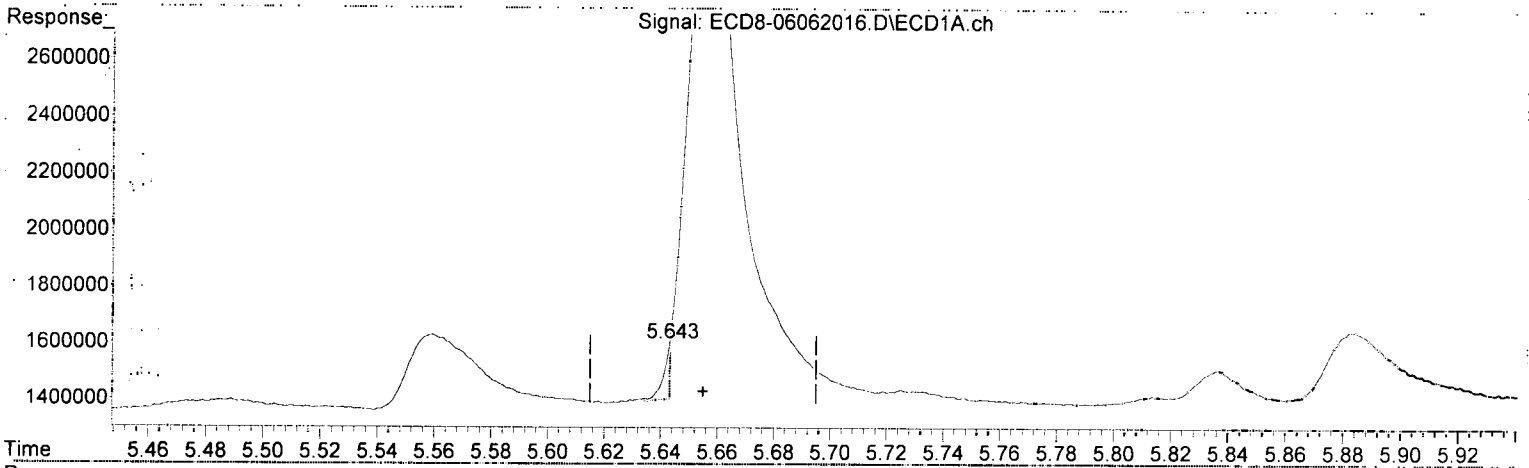


R = 2.01e+003 A*A + 3.04e+006 A + 5.84e+005
Coef of Det (r^2) = 0.999
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jan 23 14:44:26 2006
07/24/2009 Anchor COEX, LLC - Gas Chromatography - DOC-CAP Testing Cores Page 511 of 908

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

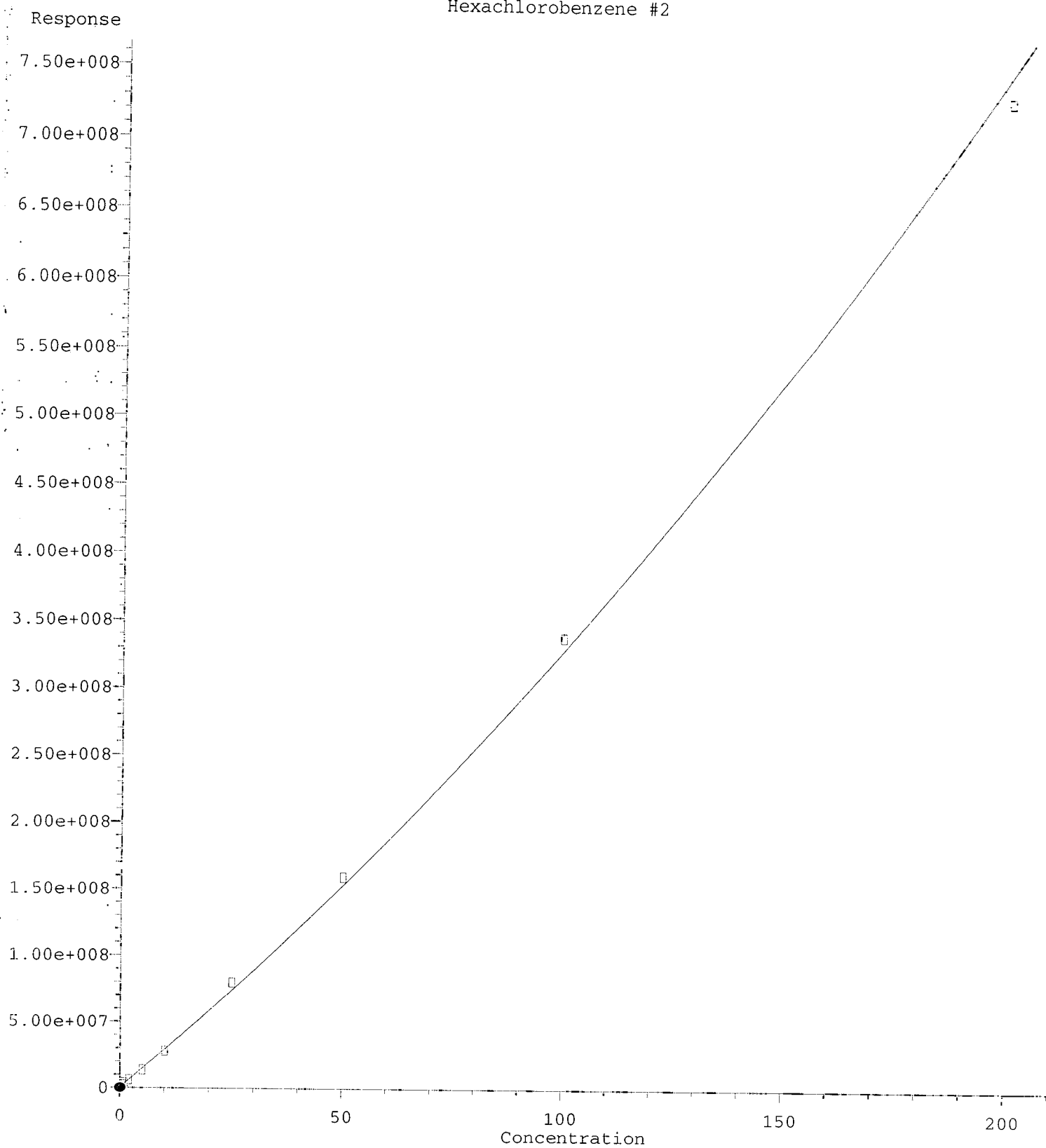


(24) Hexachlorobenzene
5.643min -0.127 ng/mL(m)
response 197862

MJB
6/7/20

(24) Hexachlorobenzene #2
6.315min 0.498 ng/mL
response 1957618

Hexachlorobenzene #2

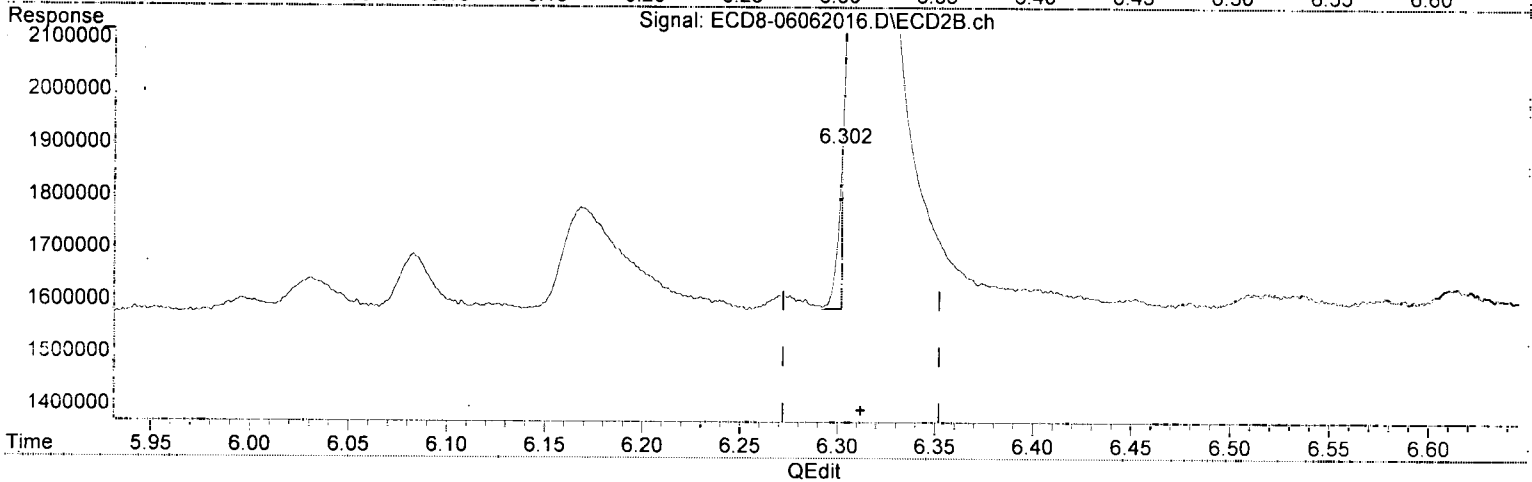
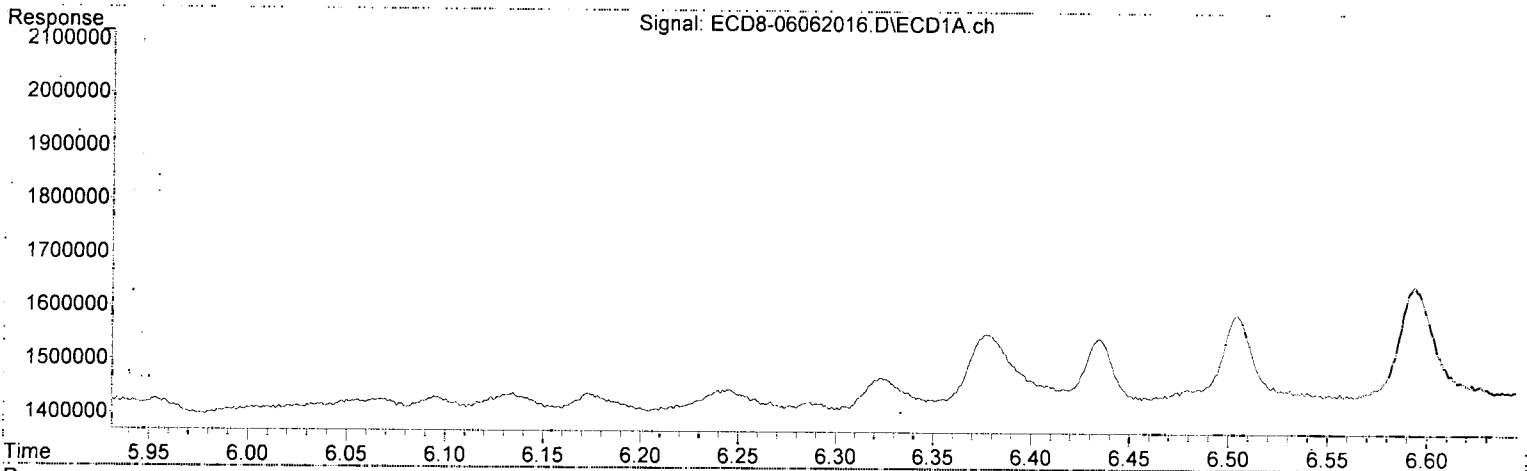


R = 4.63e+003 A*A + 2.82e+006 A + 5.54e+005
Coef of Det (r^2) = 0.997
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2009

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

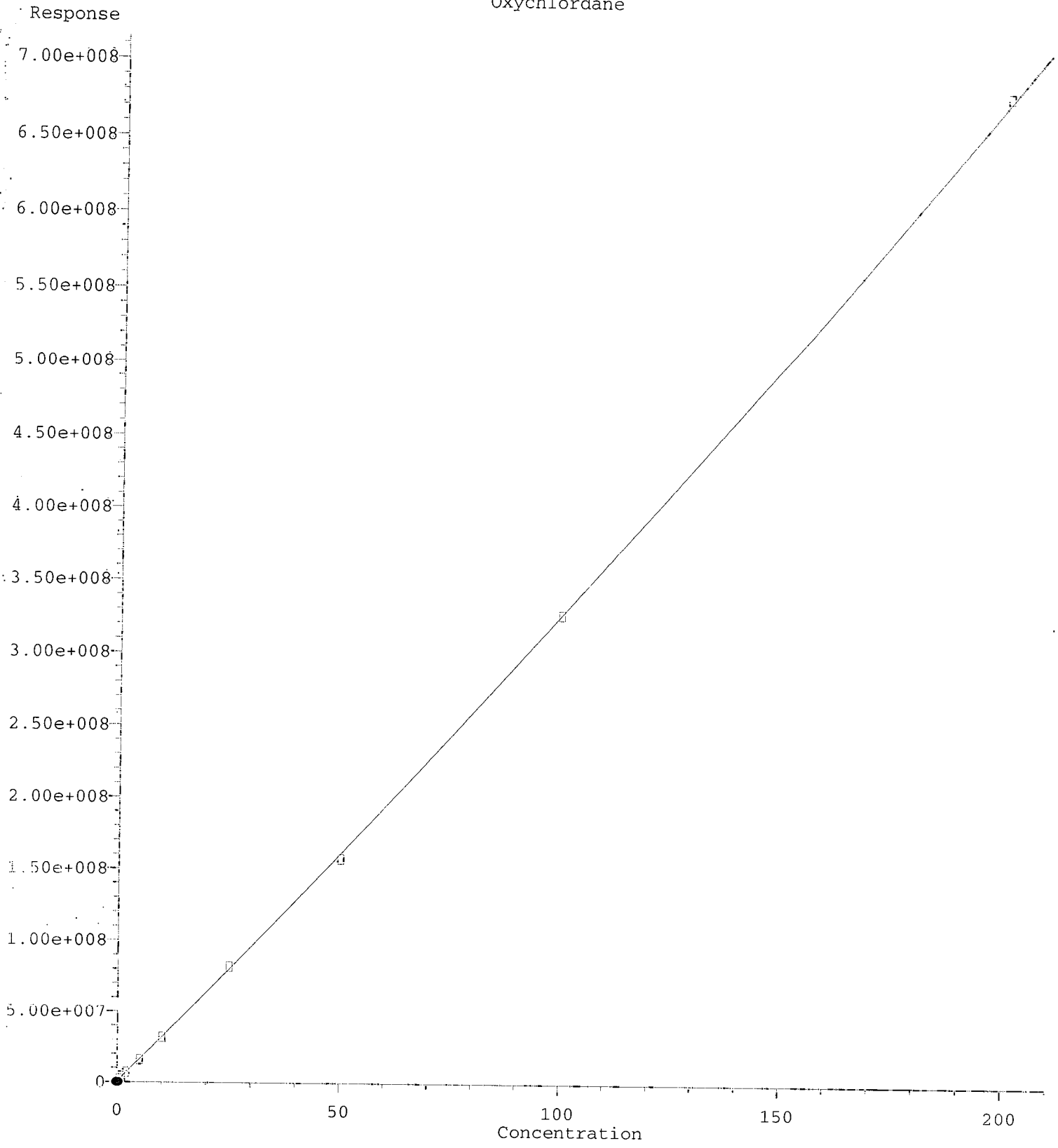


(24) Hexachlorobenzene
5.643min -0.127 ng/mL m
response 197862

*MJB
6/7/20*

(24) Hexachlorobenzene #2
6.302min -0.087 ng/mL (m)
response 307899

Oxychlorthane

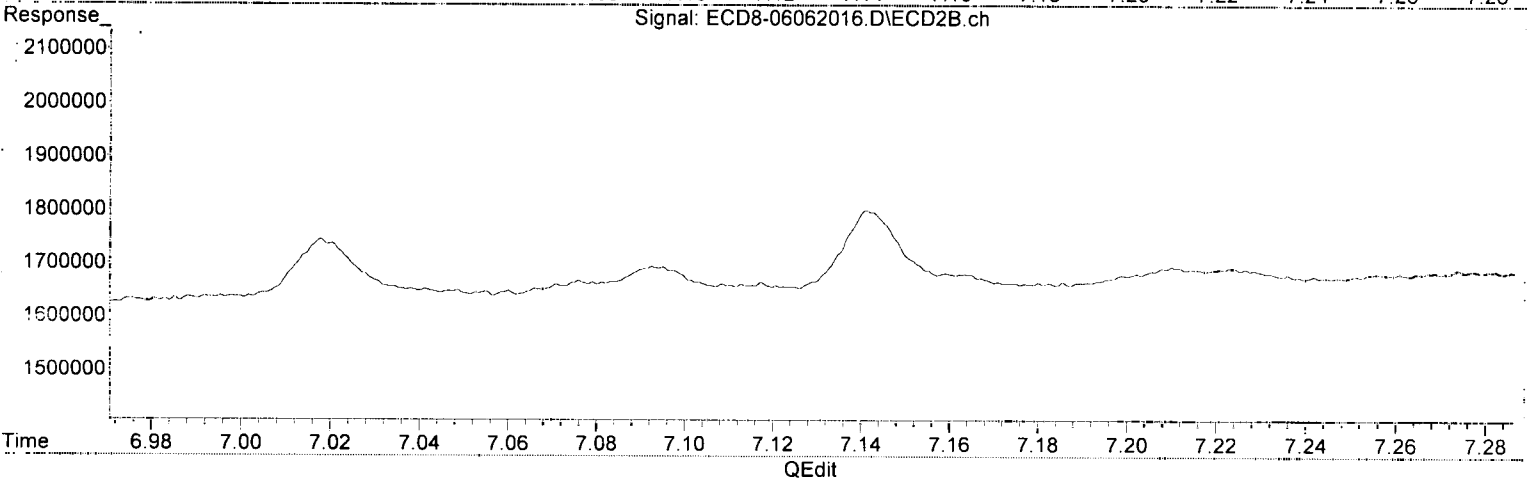
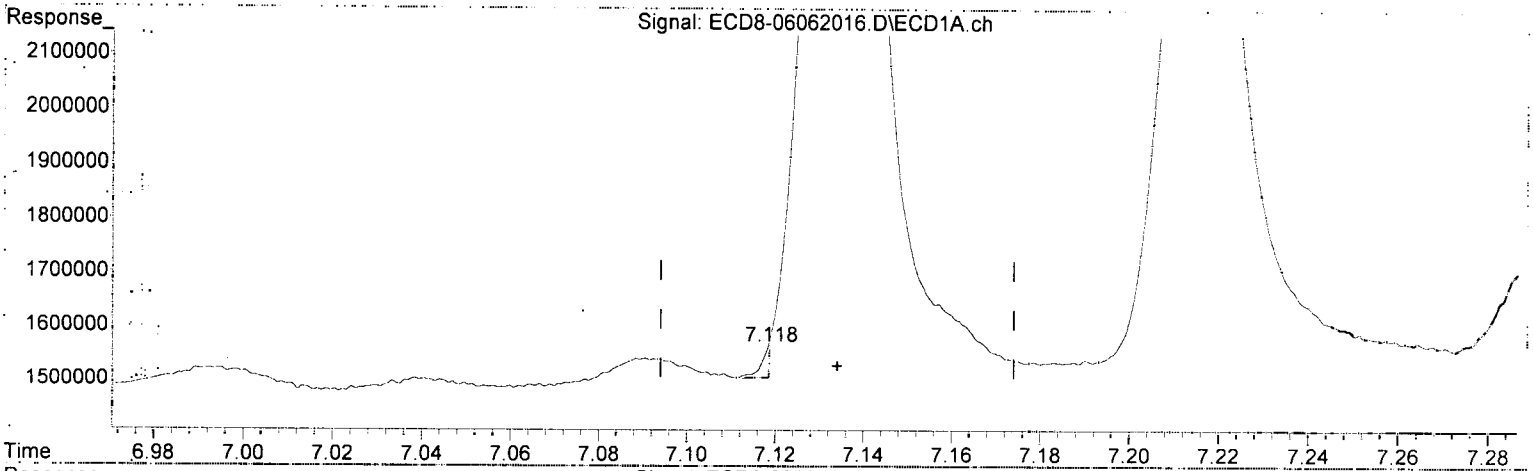


R = 1.17e+003 A*A + 3.15e+006 A + 6.15e+005
Coef of Det (r^2) = 0.998
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:28 2009
07/24/20 Anchor QEX, LLC Case QP-RD-DC-2019-14ab.DOC-CAP Testing Cores Page 515 of 908

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



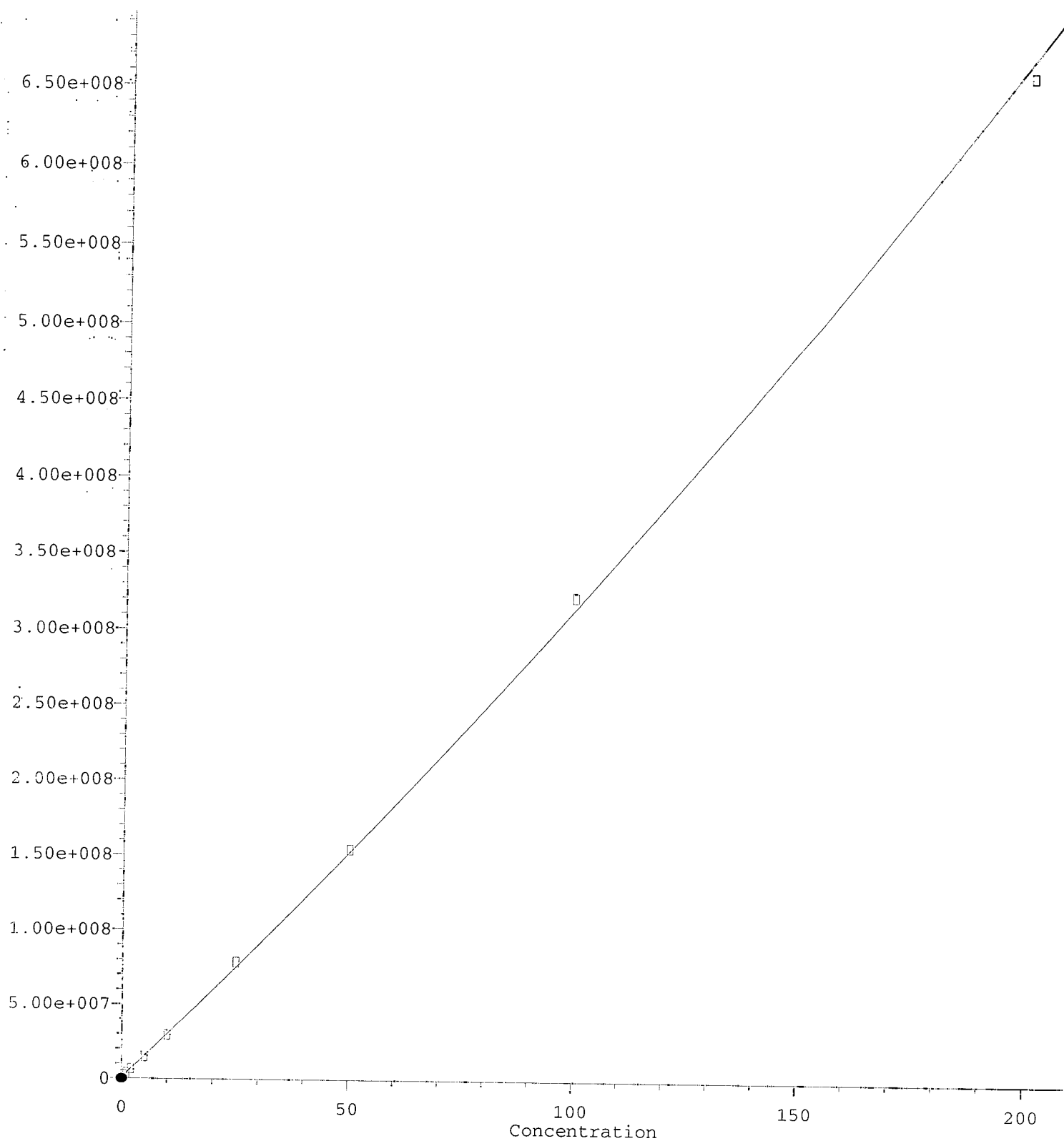
(25) Oxychlordane
7.118min -0.176 ng/mL(m)
response 58958

*MJB
6/7/20*

(25) Oxychlordane #2
7.775min 0.495 ng/mL
response 2077896

Oxychlorthane #2

Response

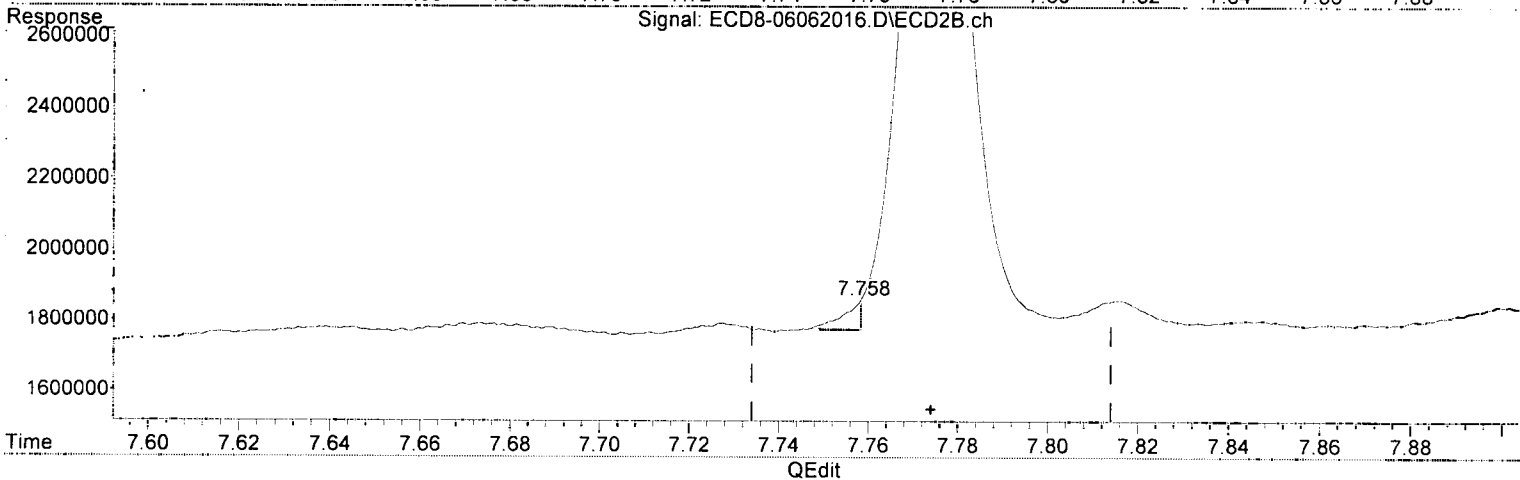
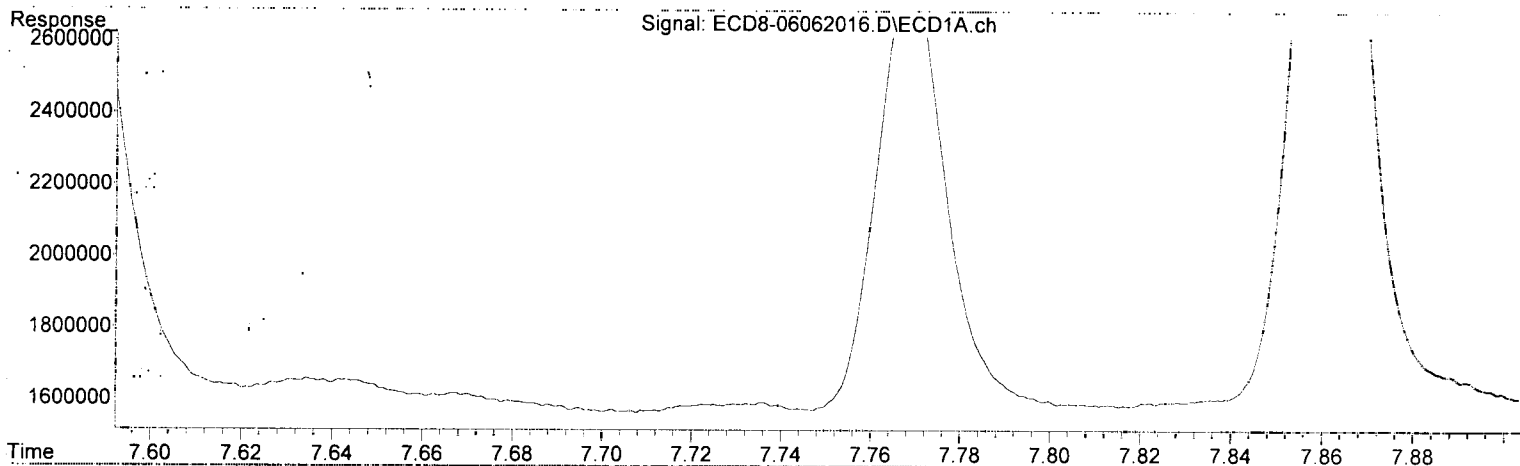


R = 2.20e+003 A*A + 2.92e+006 A + 6.31e+005
Coef of Det (r^2) = 0.999
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2009
Anchor QEA, LLC - Gaso-PHERO-DIC-2019-14a6.2 DOC-CAP Testing Cores Page 517 of 908

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



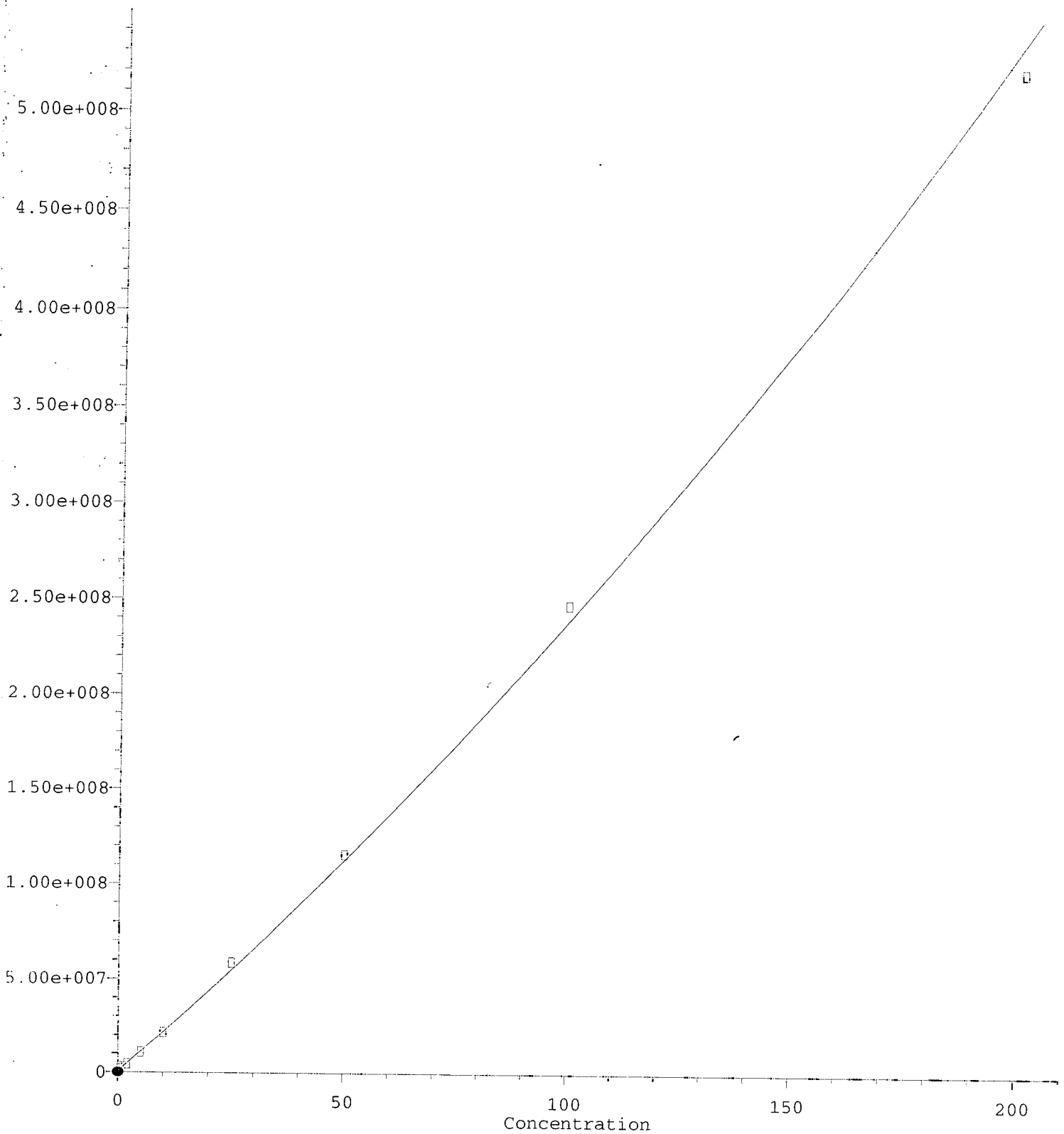
(25) Oxychlordane
7.118min -0.176 ng/mL m
response 58958

MJB
6/7/20

(25) Oxychlordane #2
7.758min -0.187 ng/mL (m)
response 84787

2,4'-DDE #2

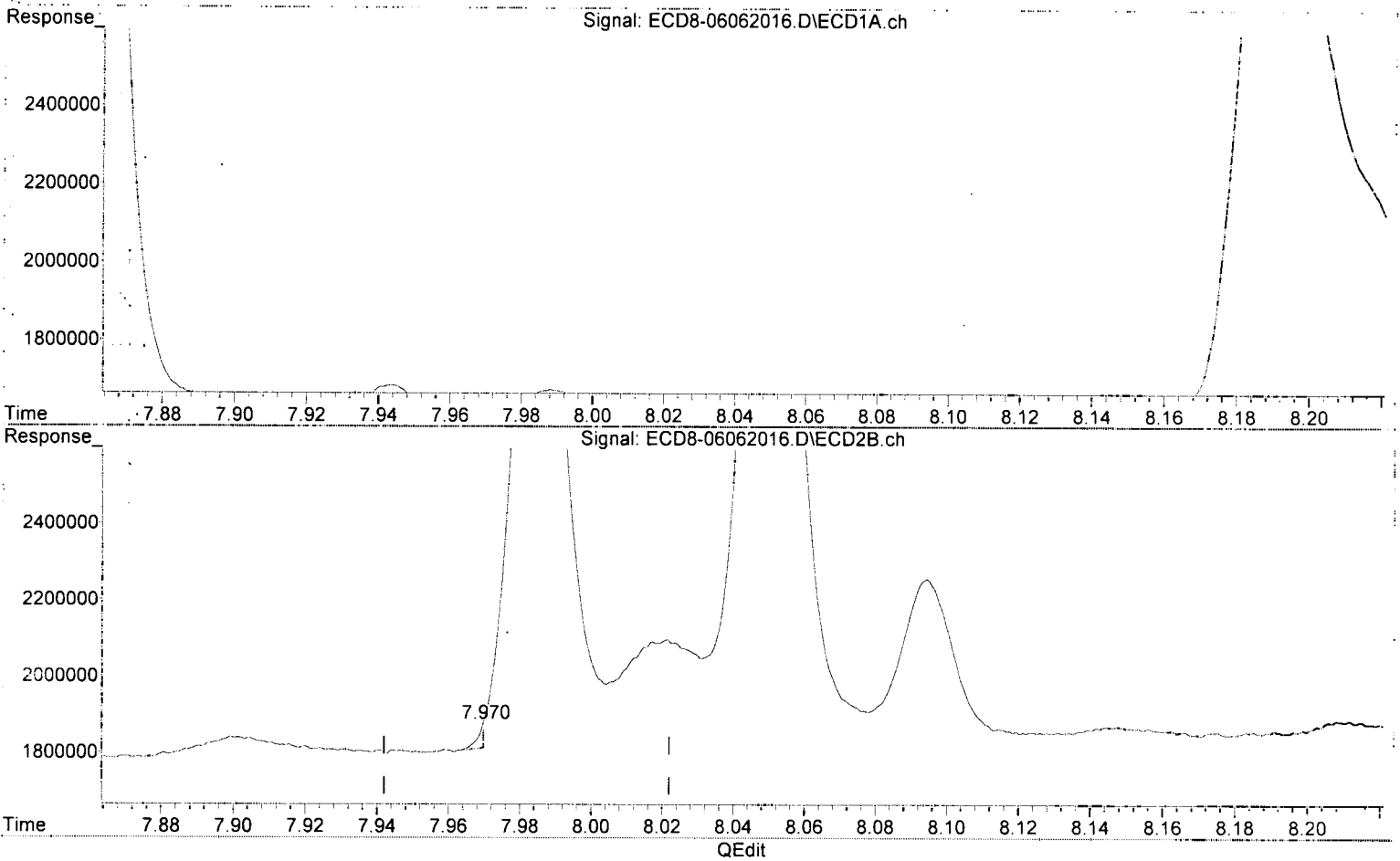
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



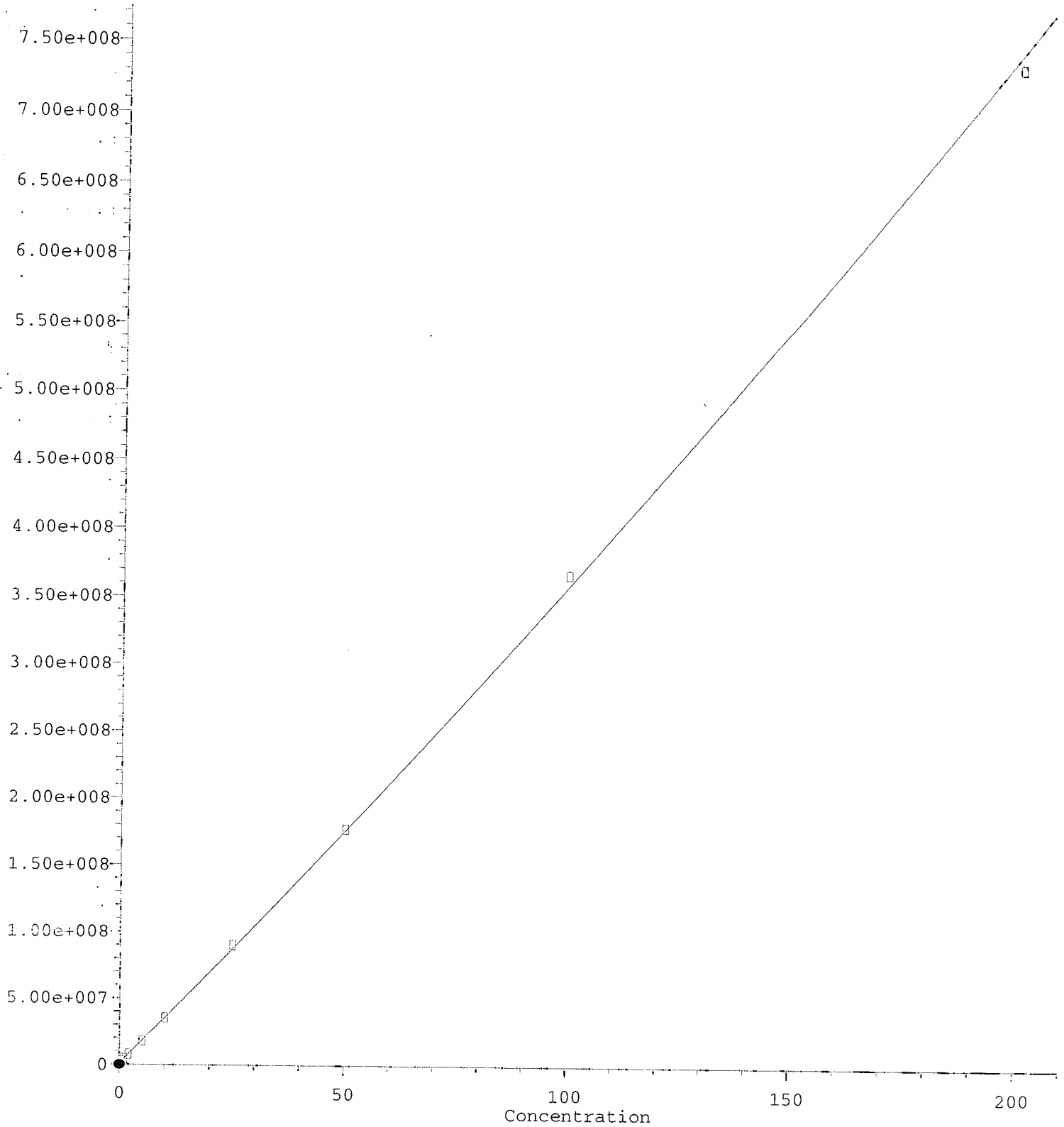
(26) 2,4'-DDE
7.216min 0.606 ng/mL
response 1450647

MJB
6/7/20

(26) 2,4'-DDE #2
7.970min -0.222 ng/mL (m)
response 63874

trans-Nonachlor

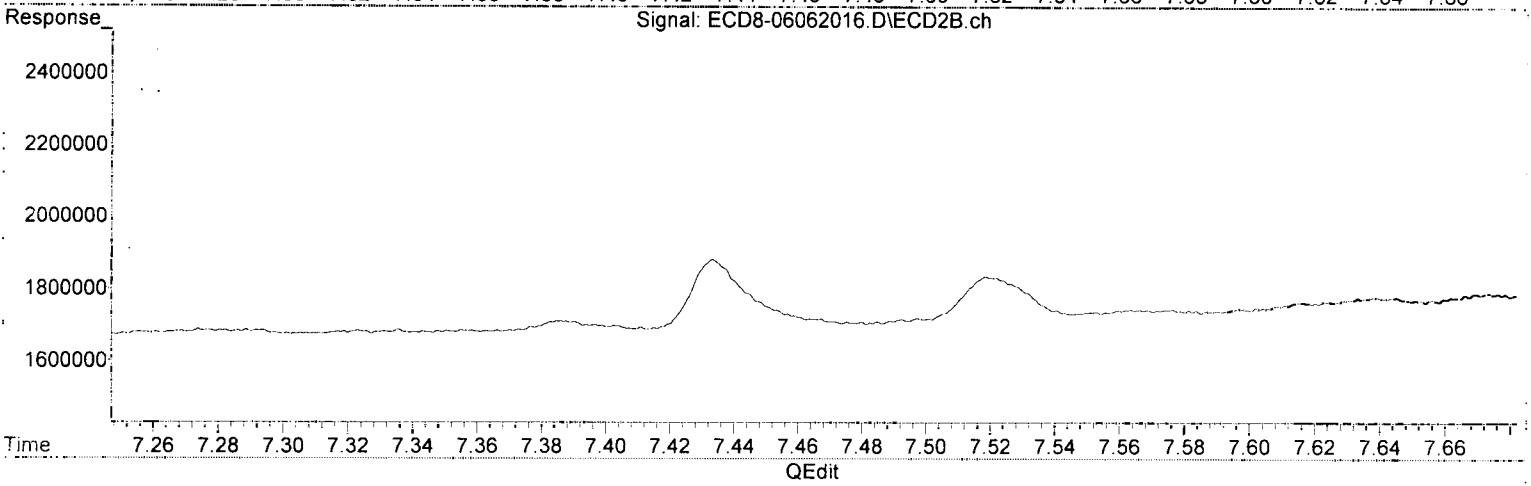
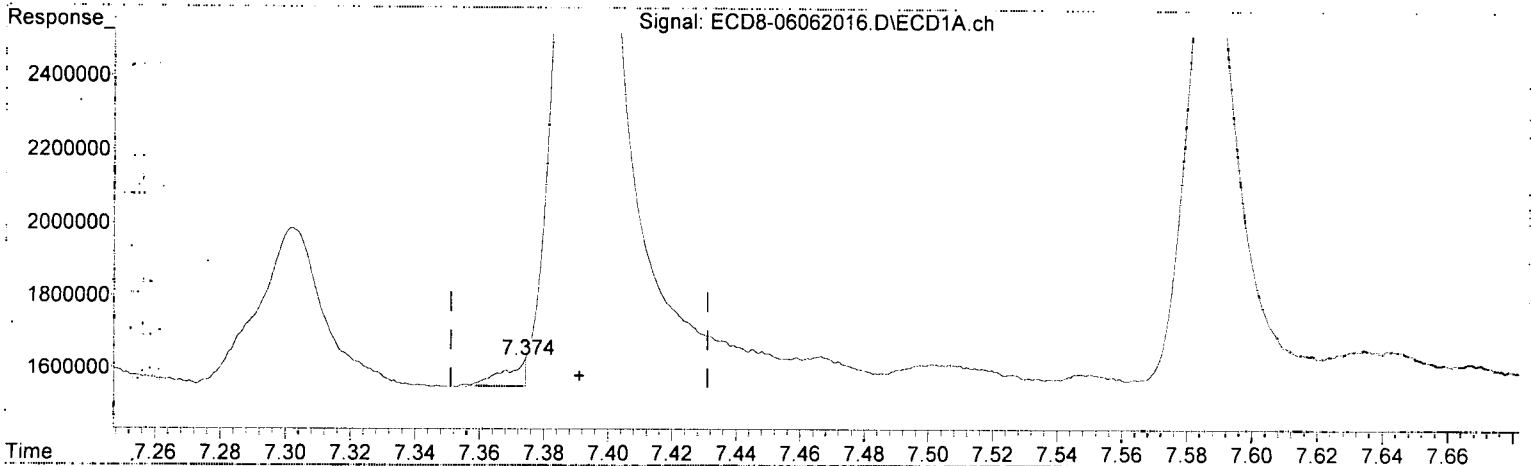
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

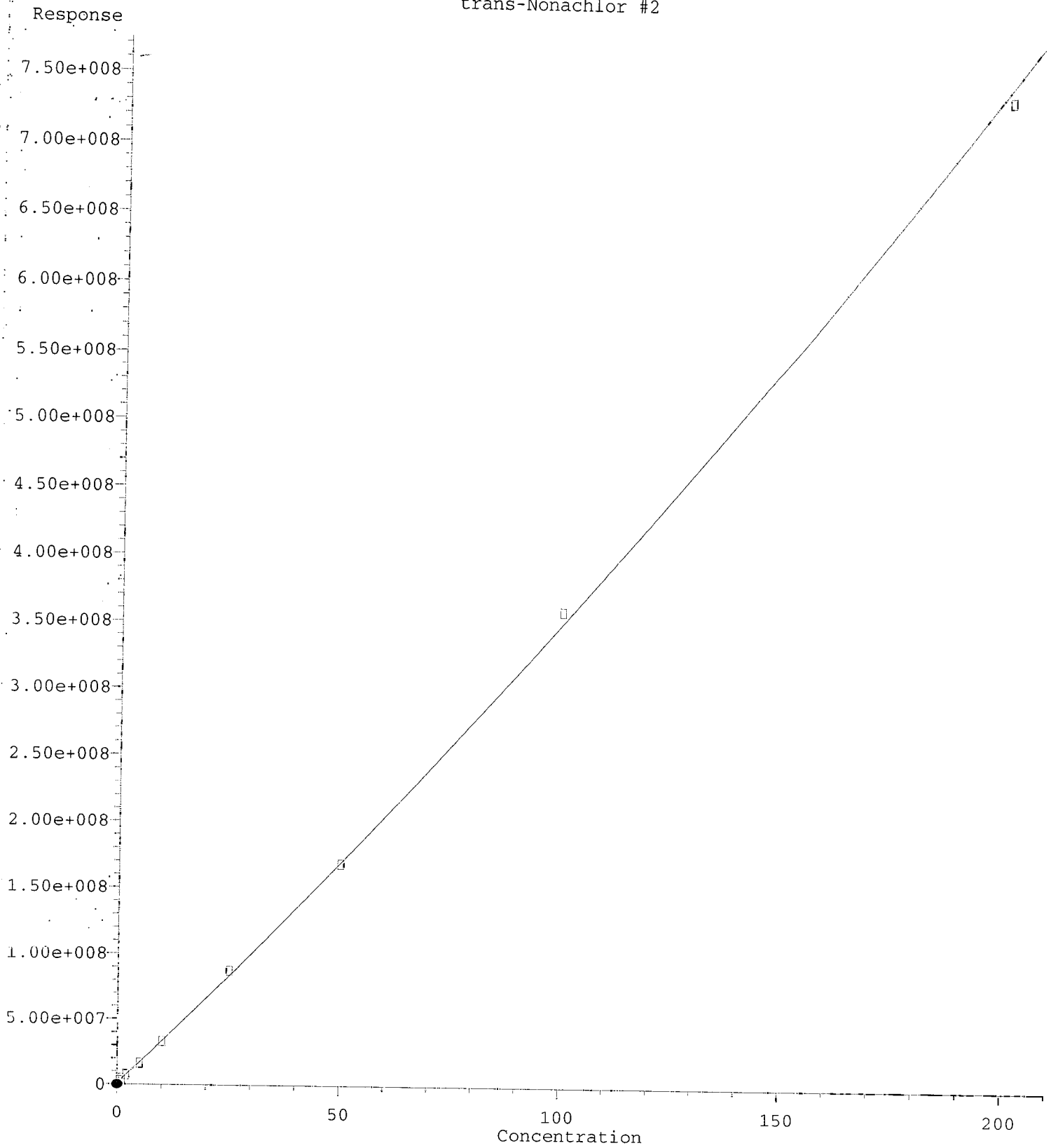


(27) trans-Nonachlor
7.374min -0.266 ng/mL(m)
response 74884

MJB
6/17/20

(27) trans-Nonachlor #2
8.050min 0.498 ng/mL
response 2454721

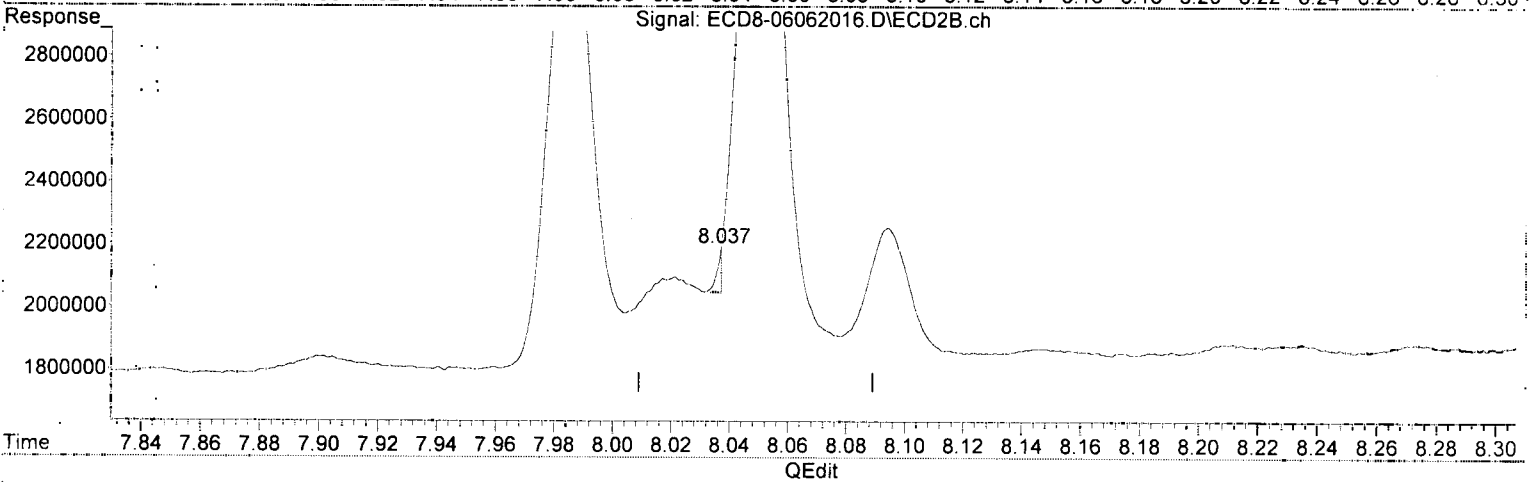
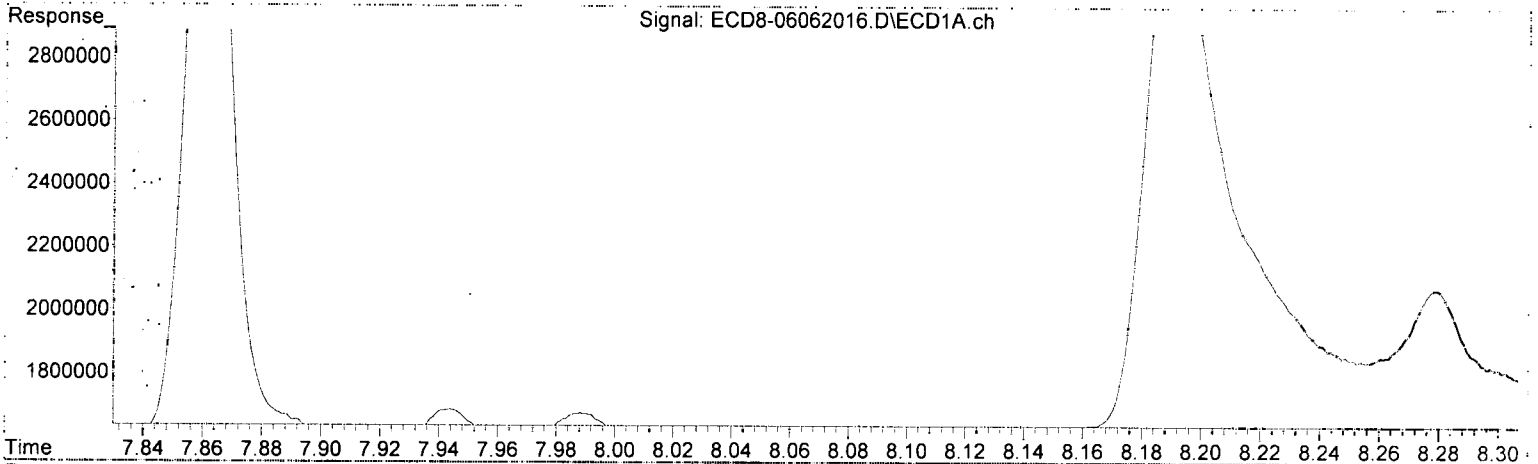
trans-Nonachlor #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

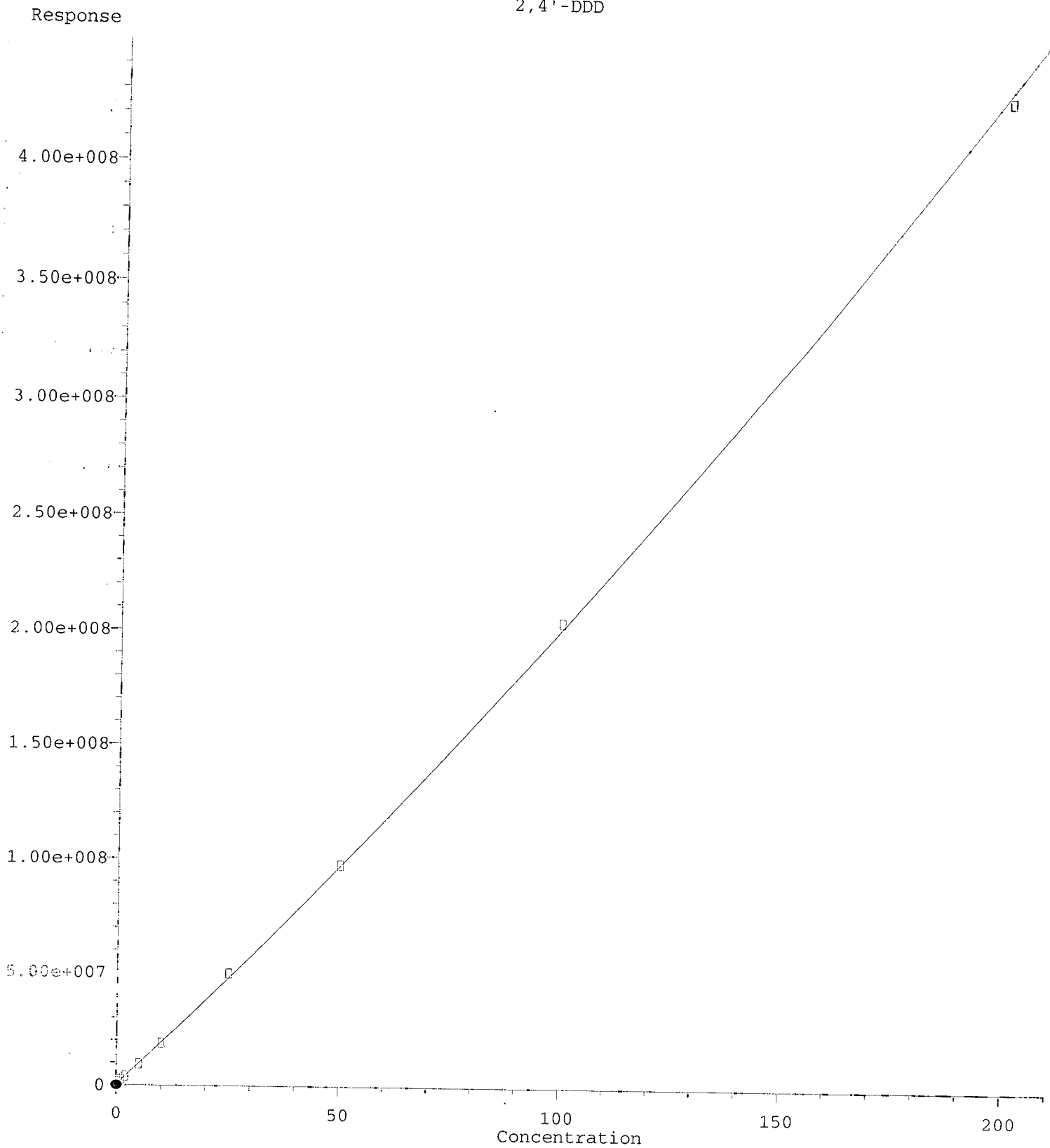


(27) trans-Nonachlor
7.374min -0.266 ng/mL m
response 74884

*MJB
6/7/20*

(27) trans-Nonachlor #2
8.037min -0.213 ng/mL (m)
response 141706

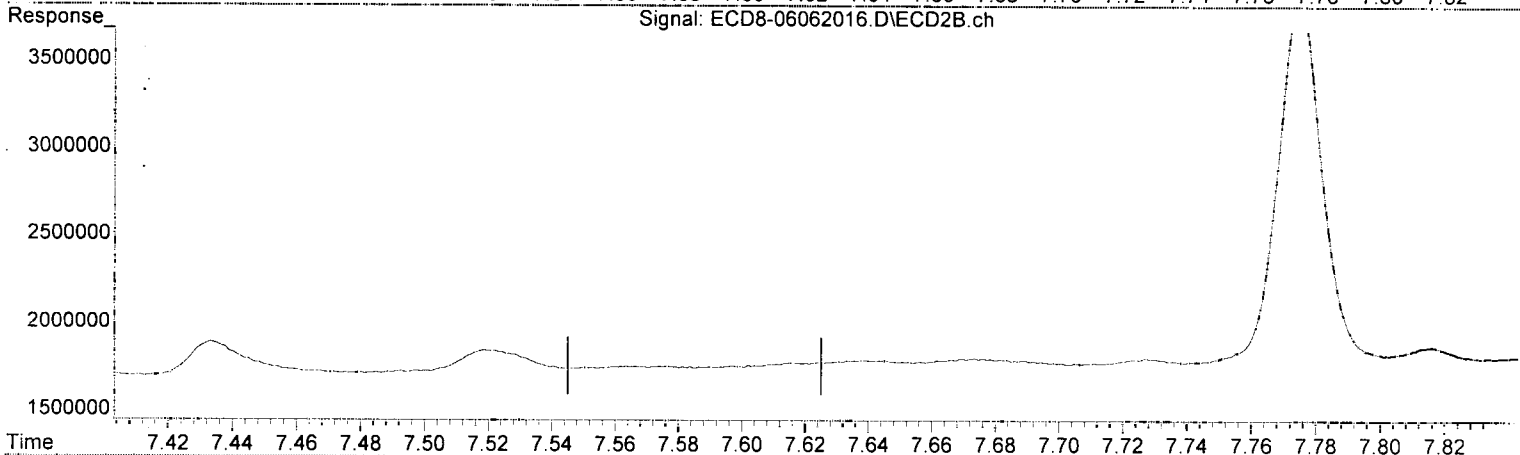
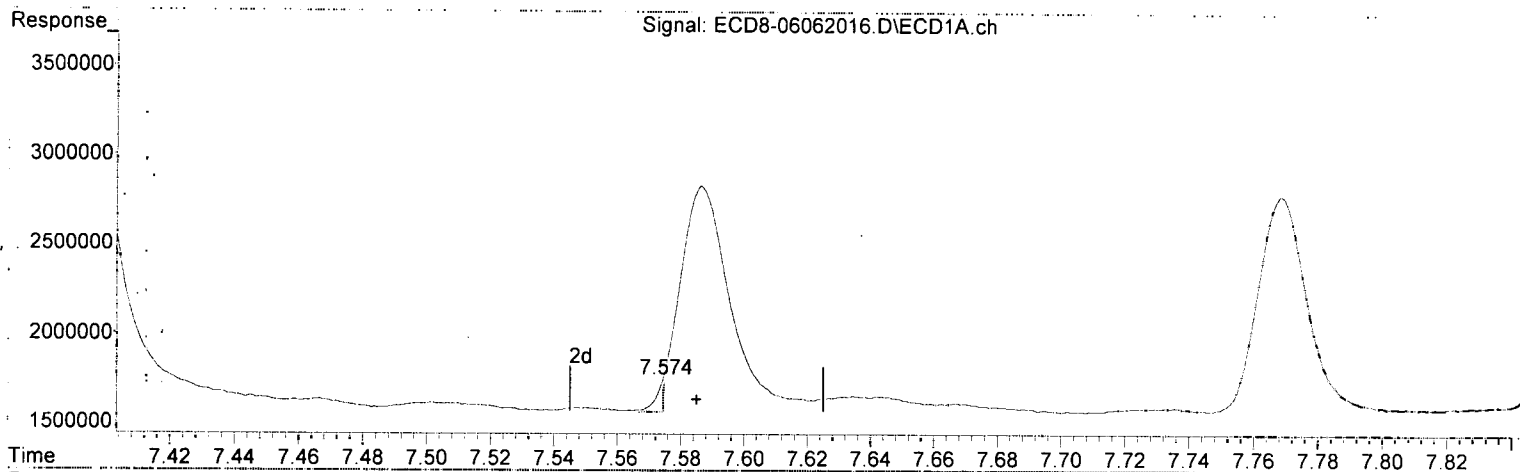
2,4'-DDD



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

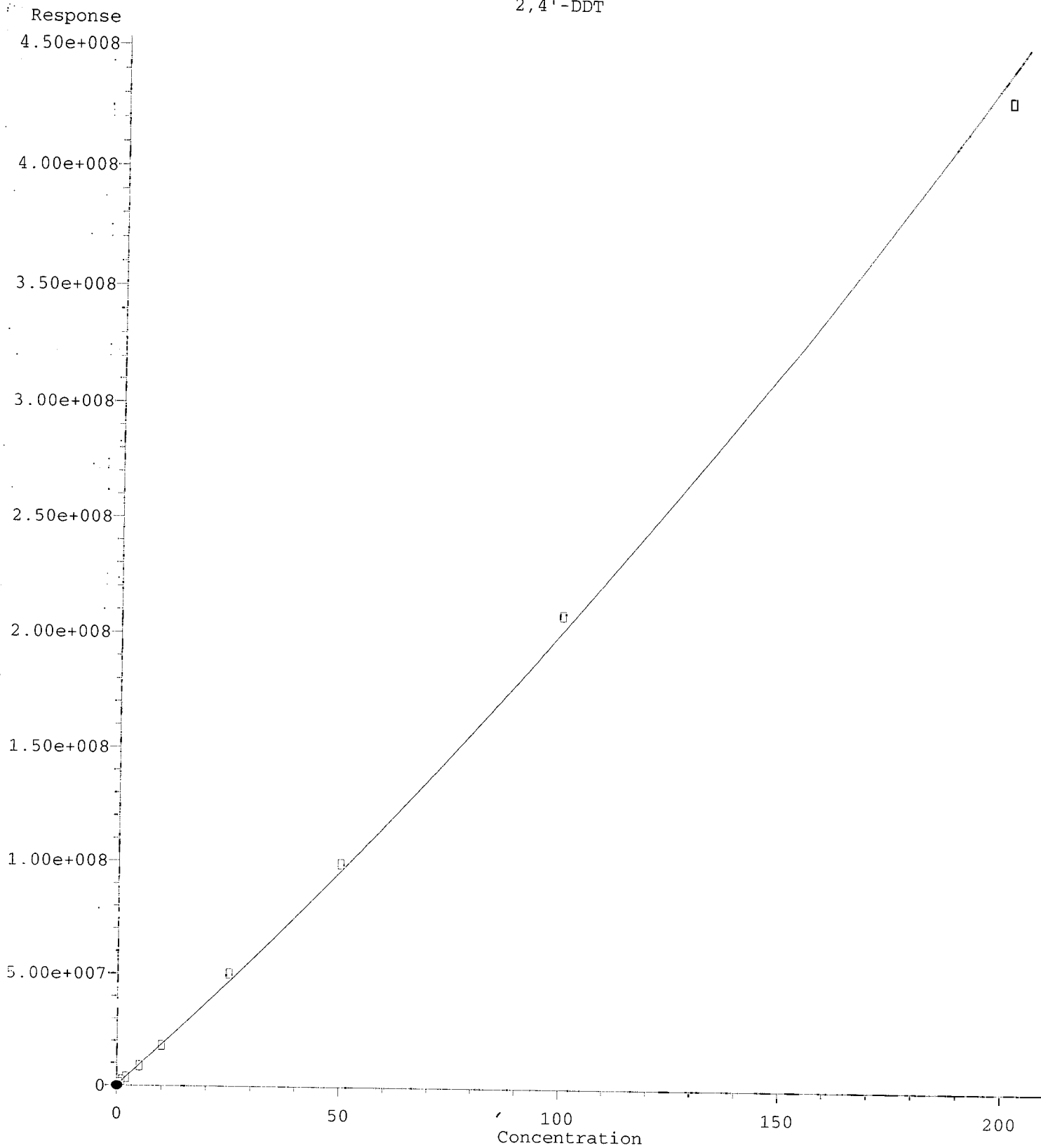


(28) 2,4'-DDD
7.574min -0.101 ng/mL(m)
response 186338

MJB
6/7/20

(28) 2,4'-DDD #2
8.359min 0.570 ng/mL
response 1185591

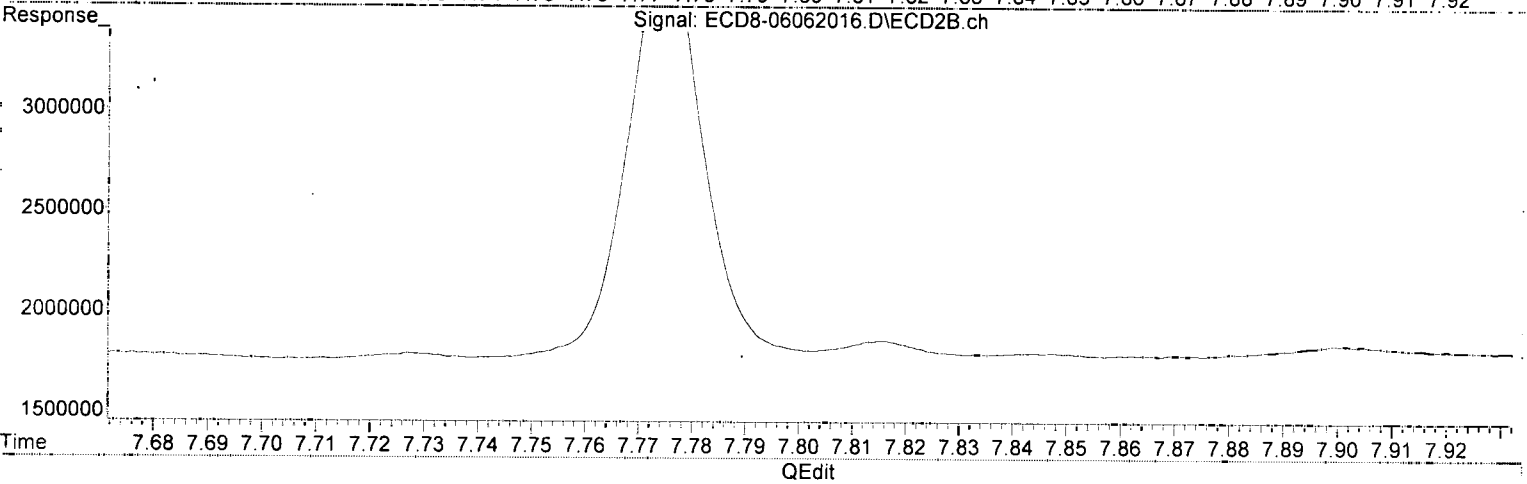
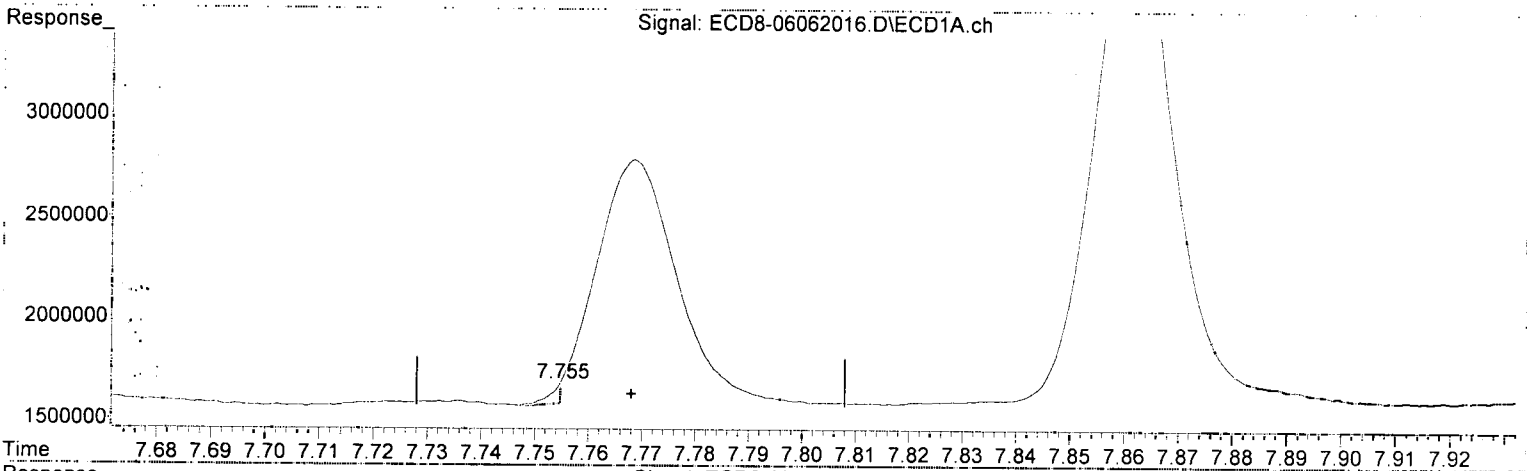
2,4'-DDT



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



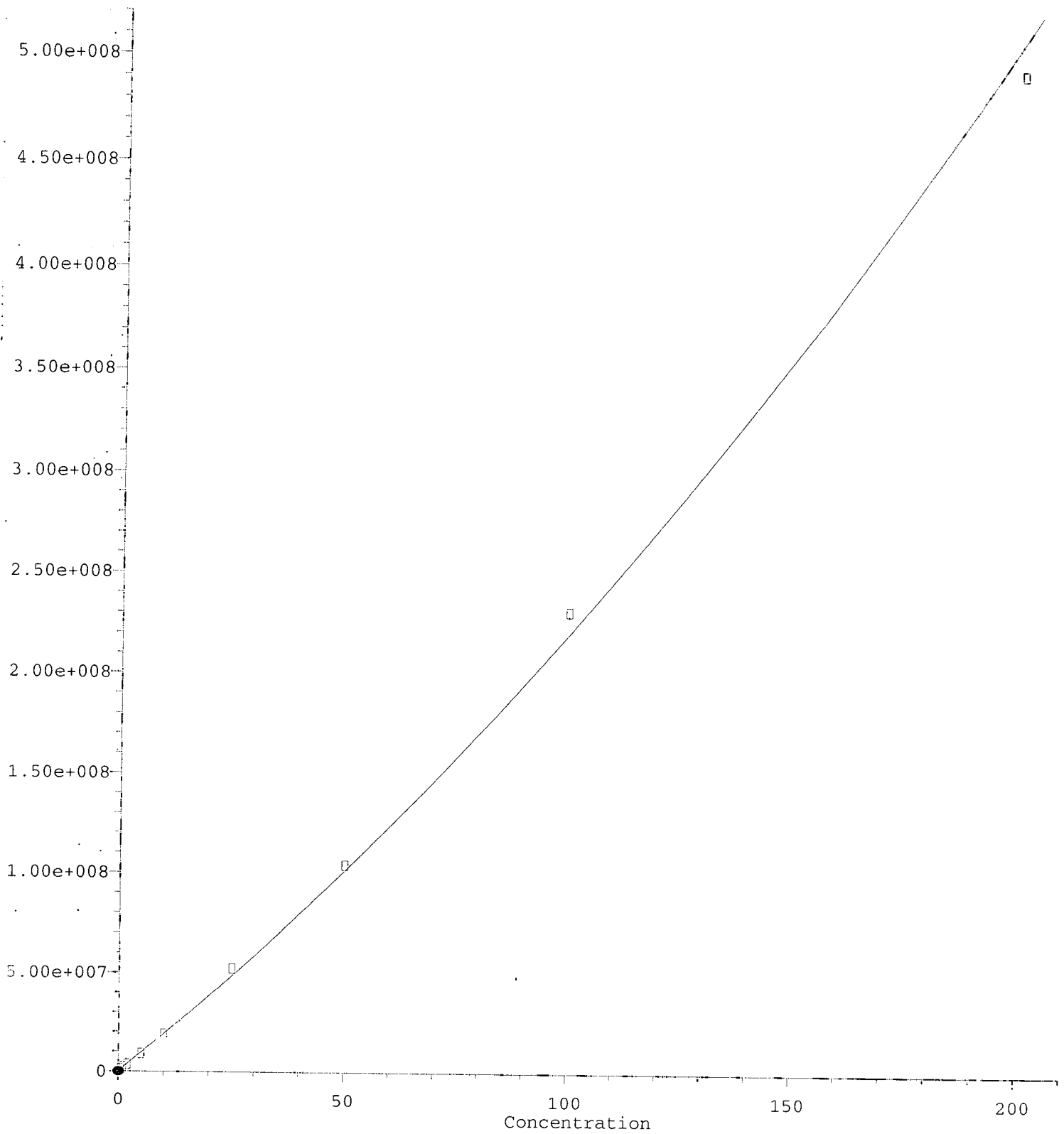
(29) 2,4'-DDT
7.755min -0.121 ng/mL(m)
response 98604

MJB
6/7/20

(29) 2,4'-DDT #2
8.582min 0.503 ng/mL
response 1241303

2,4'-DDT #2

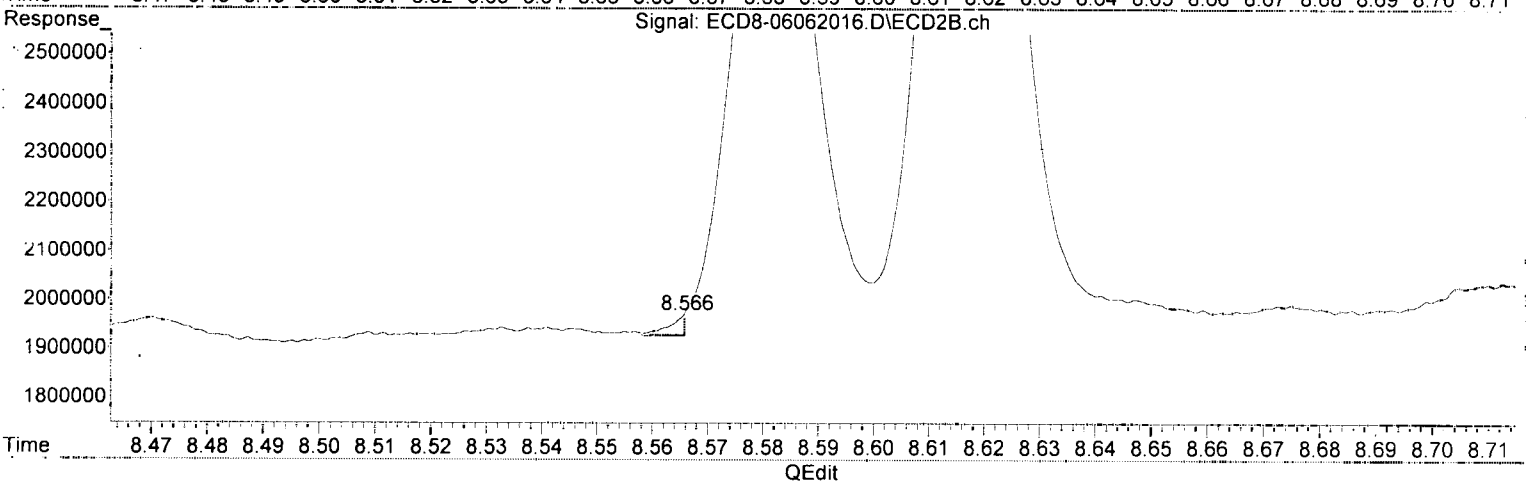
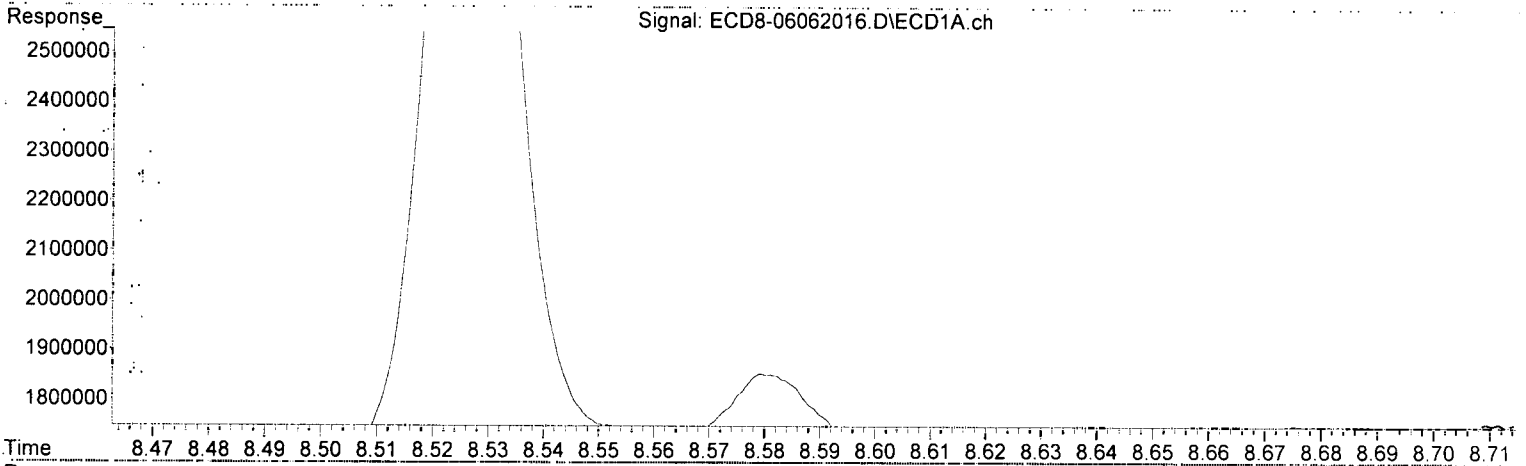
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



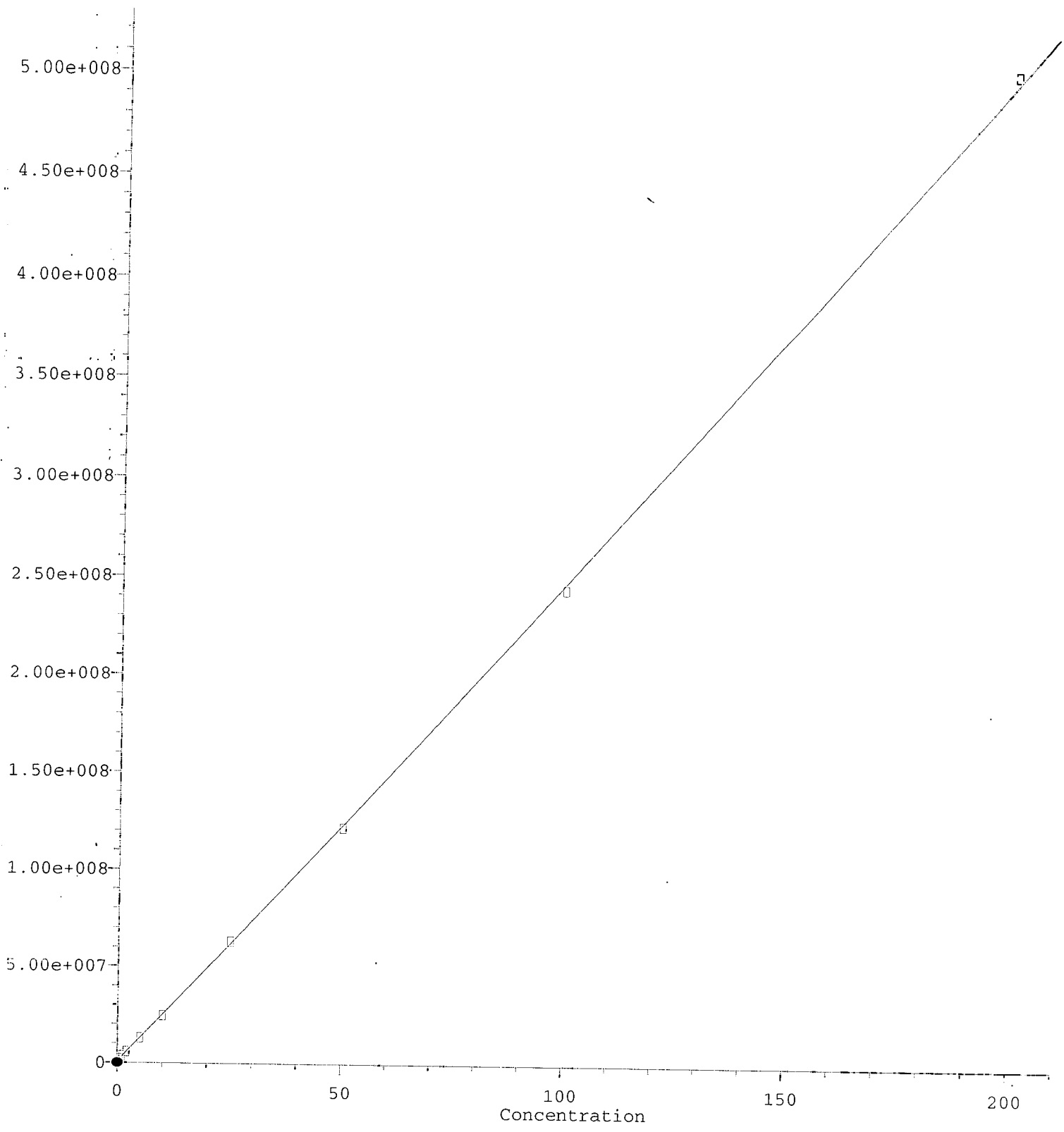
(29) 2,4'-DDT
7.755min -0.121 ng/mL m
response 98604

MJB
6/7/20

(29) 2,4'-DDT #2
8.566min -0.148 ng/mL (m)
response 42146

Mirex

Response

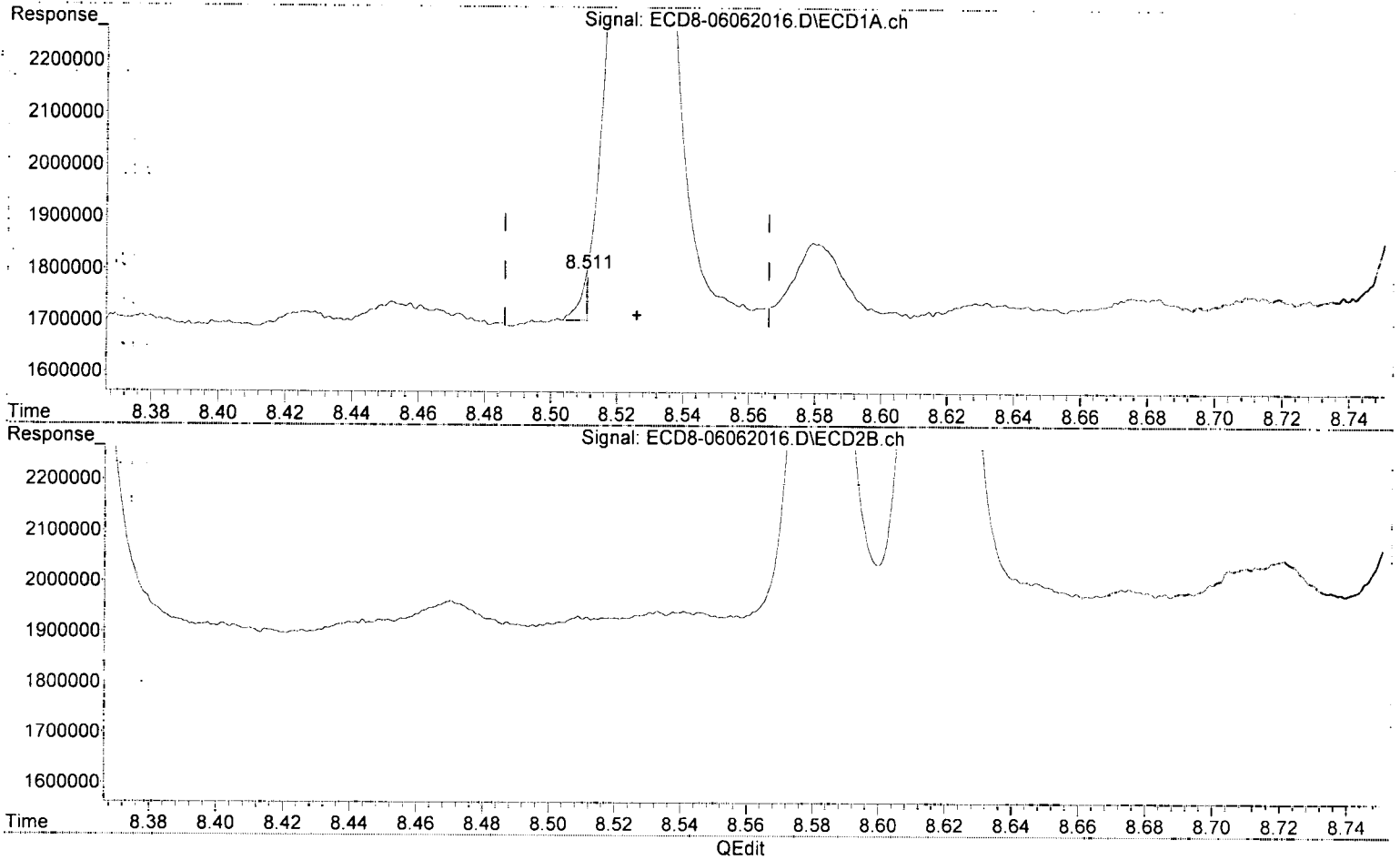


R = 2.93e+002 A*A + 2.43e+006 A + 7.87e+005
Coef of Det (r^2) = 0.998
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:26 2009
07/24/20 Anchor QEA, LLC - Gasco-Perth DC-2019 14a6.2 DOC-CAP Testing Cores Page 531 of 908

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

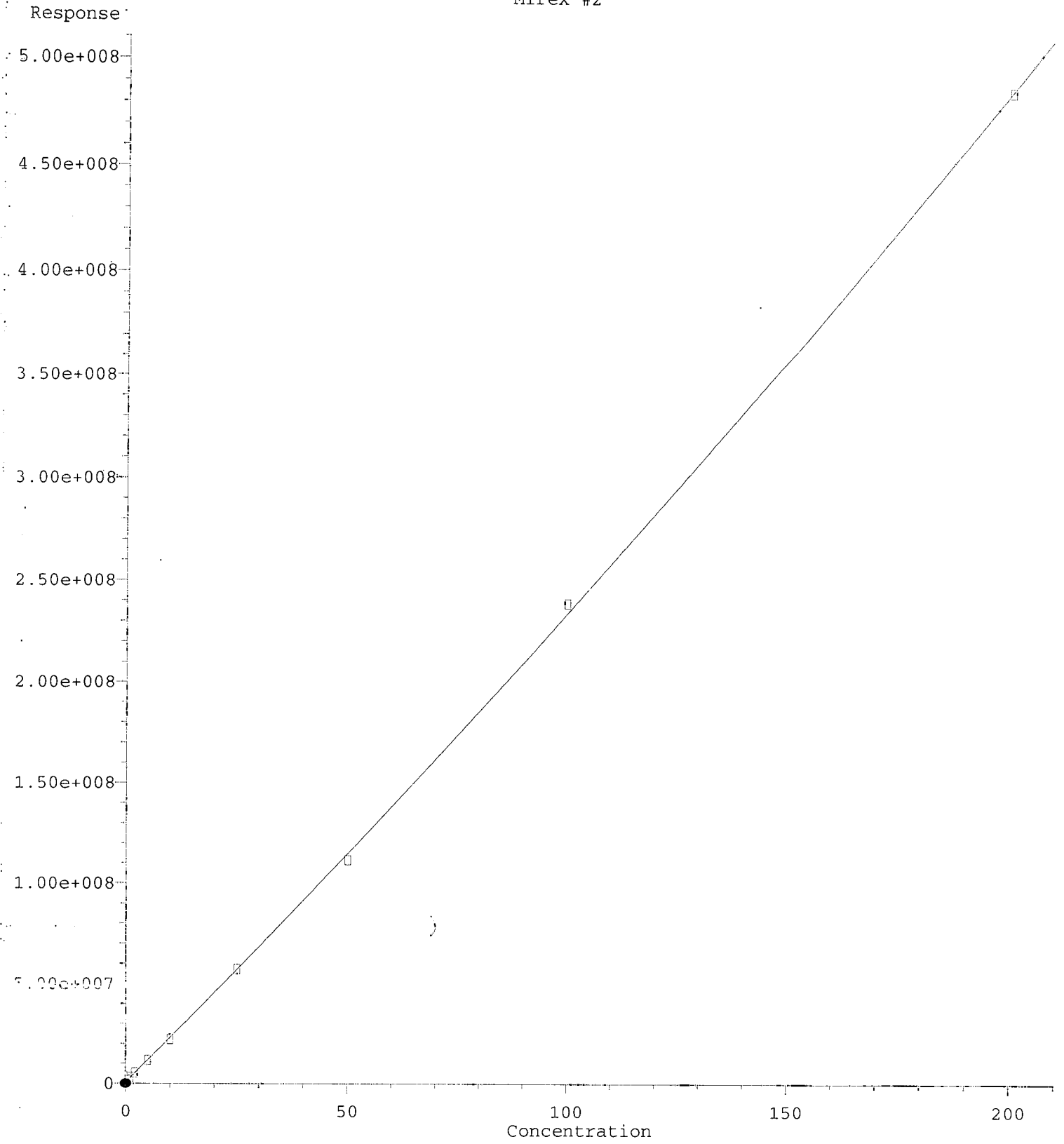


(31) Mirex
8.511min -0.286 ng/mL(m)
response 91666

MJB
6/7/20

(31) Mirex #2
9.536min 0.477 ng/mL
response 1704303

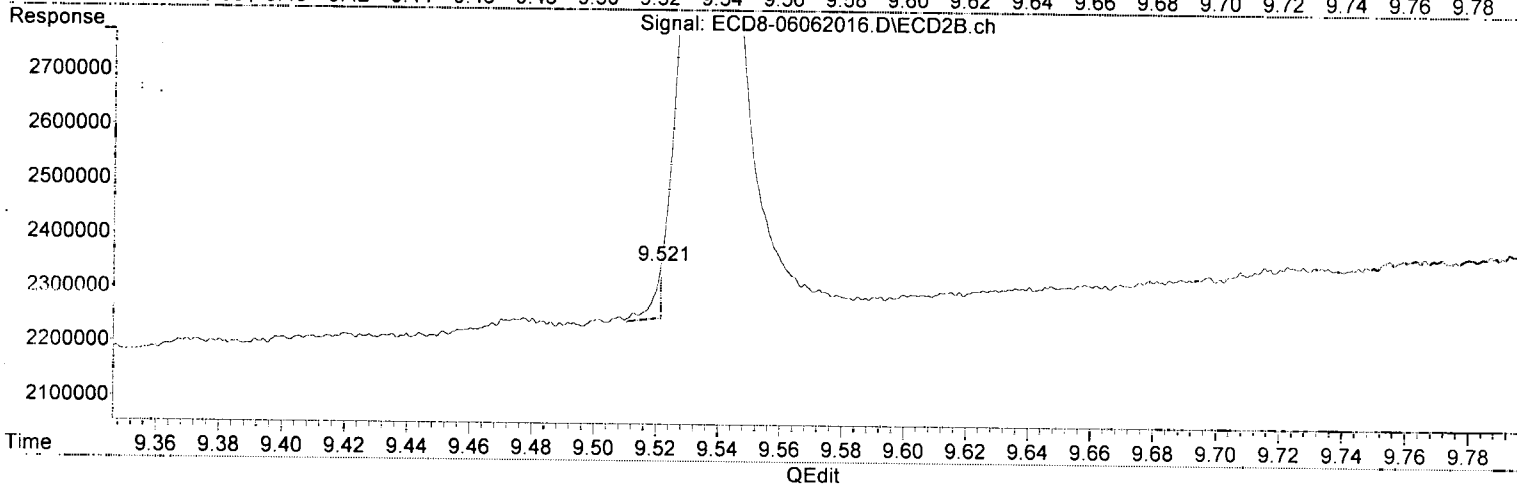
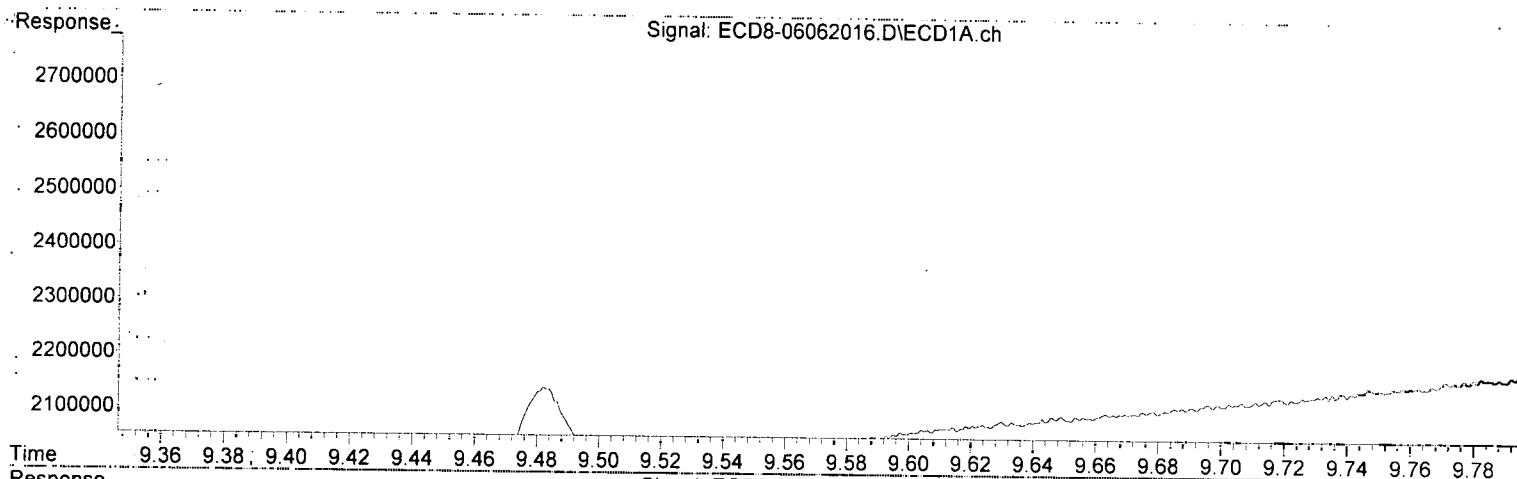
Mirex #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc. : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(31) Mirex

8.511min -0.286 ng/mL m

response 91666

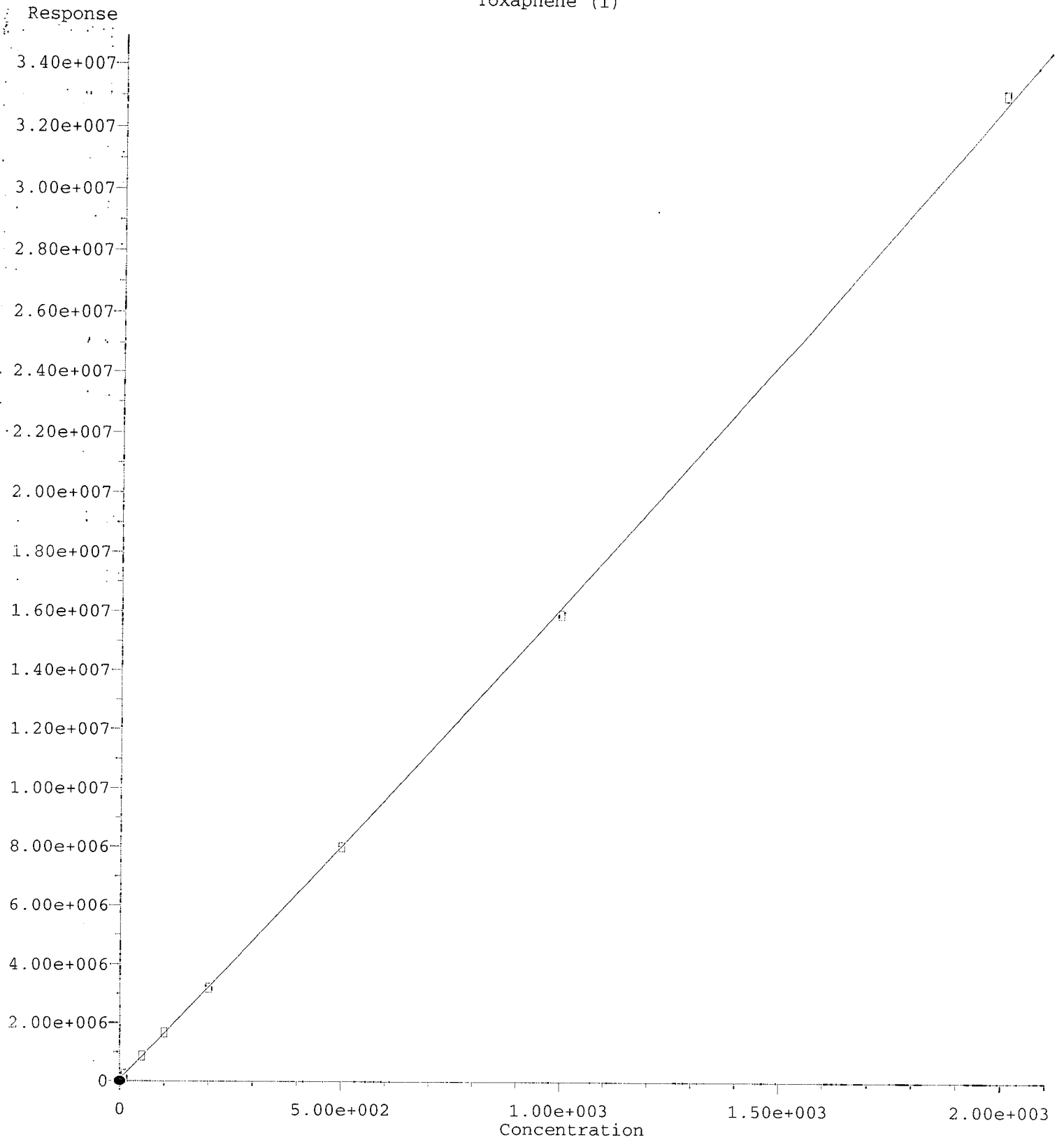
*MJB
6/7/20*

(31) Mirex #2

9.521min -0.243 ng/mL (m)

response 97303

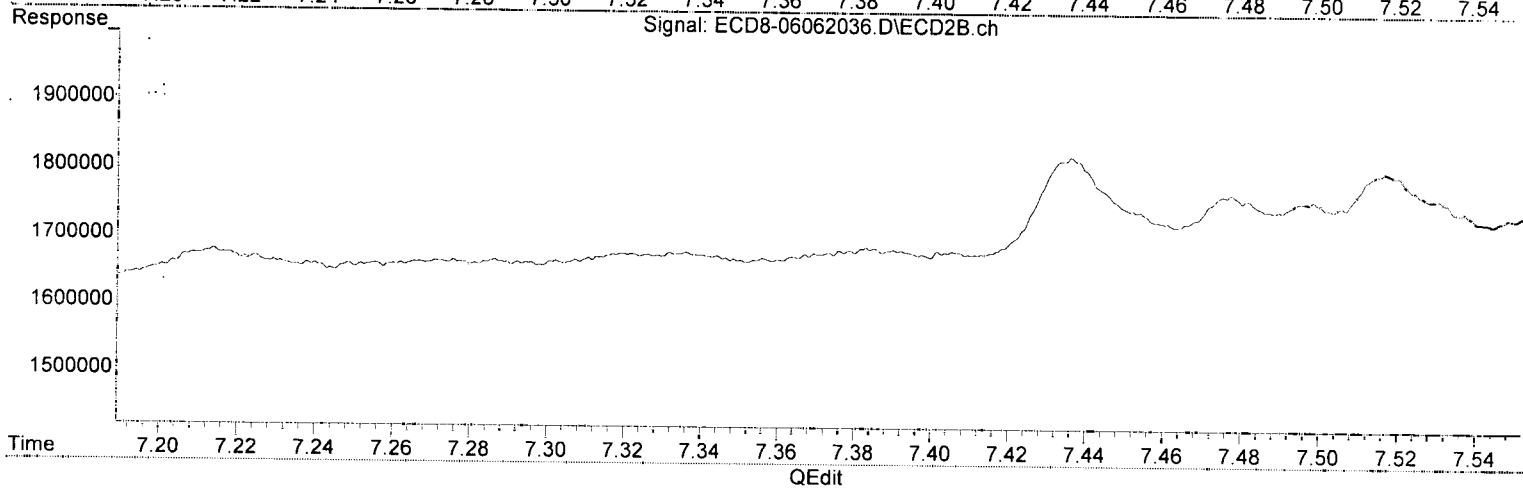
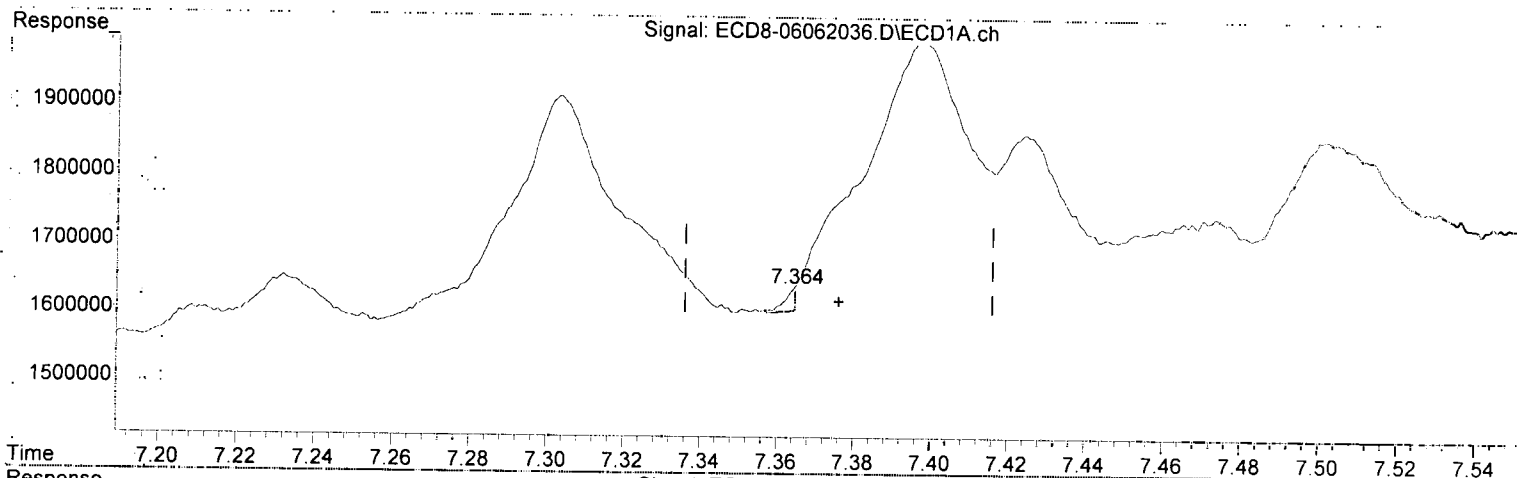
Toxaphene (1)



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

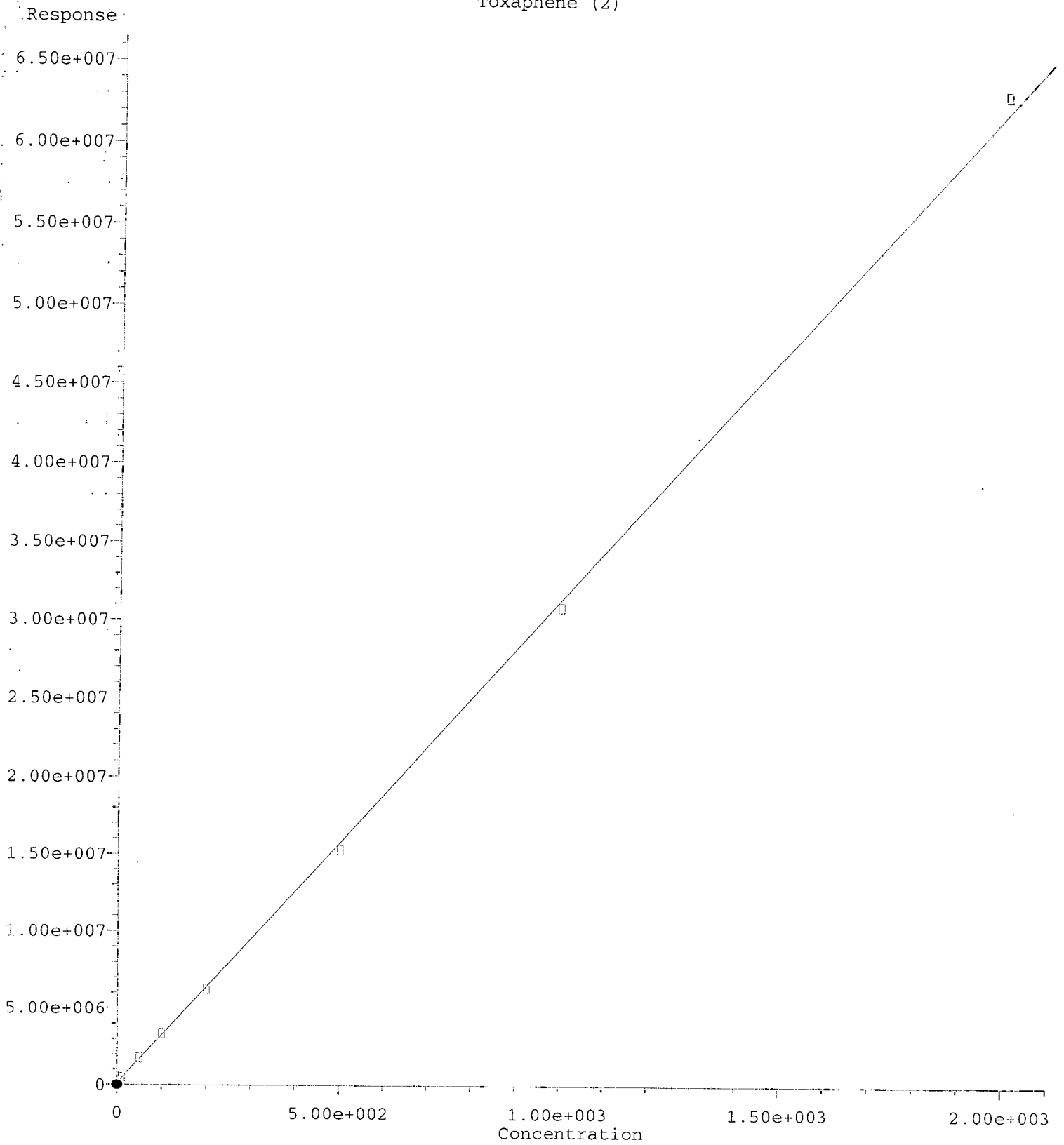


(36) Toxaphene (1)
7.364min -2.084 ng/mL (m)
response 33377

MJB
6/7/20

(36) Toxaphene (1) #2
8.324min 11.353 ng/mL
response 372544

Toxaphene (2)

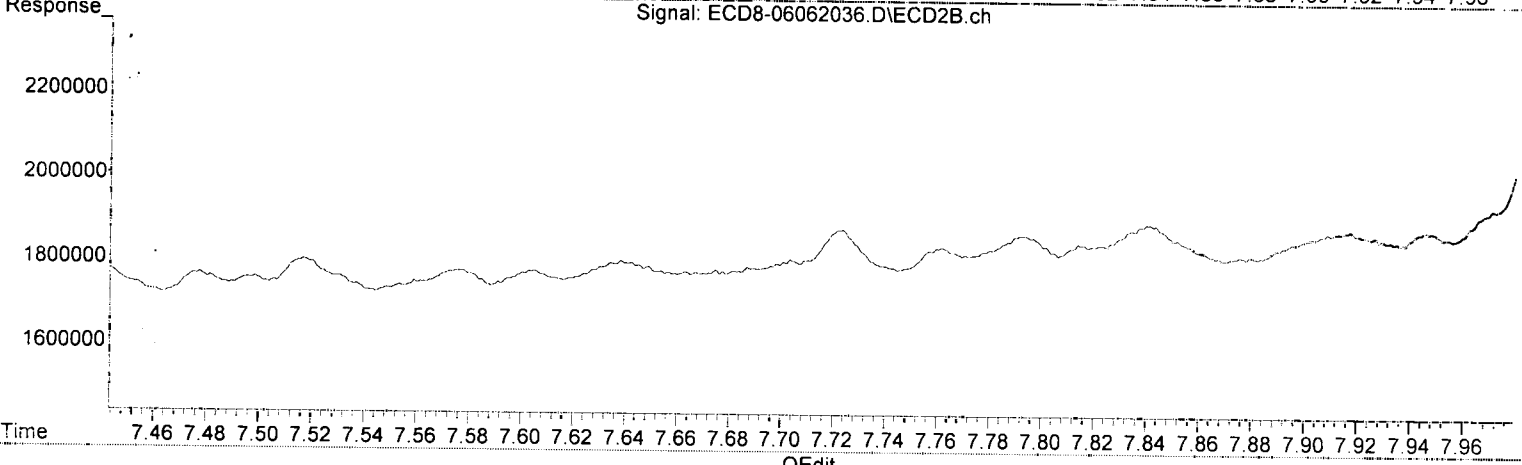
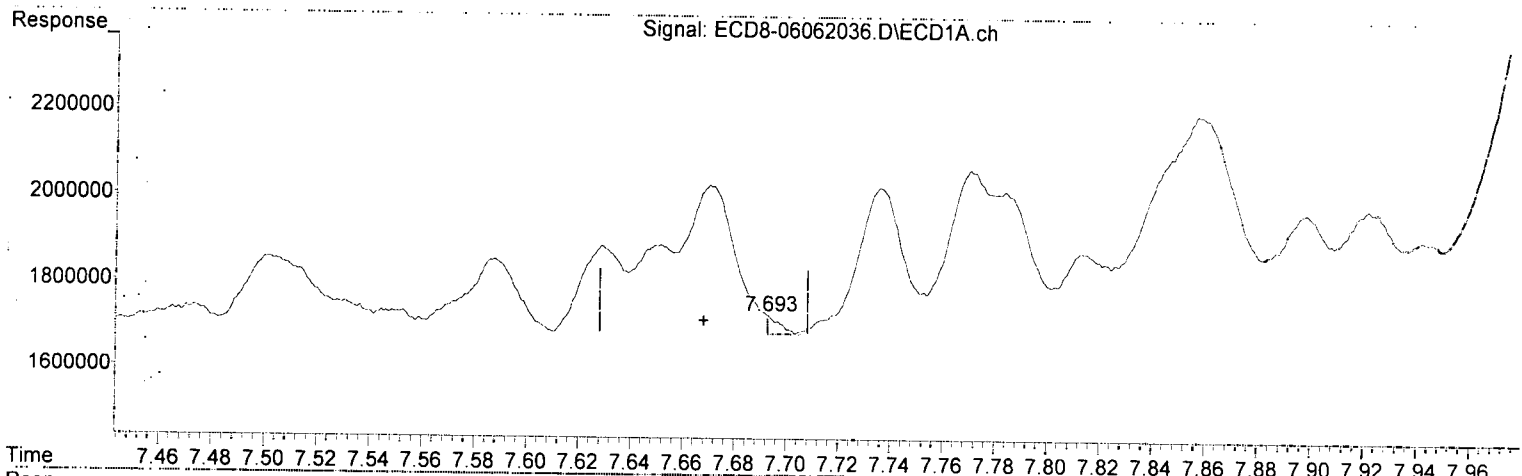


R = -1.79e-001 A*A + 3.14e+004 A + 1.17e+005
Coef of Det (r^2) = 0.999
07/24/20 Anchor OEA, LLC - Gasco PerRD-DC 2019-144-80 OC-CAP Testing Cores Page 537 of 908
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 00:23
 Operator : MJB
 Sample : 0F06008-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:03:19 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation



(37) Toxaphene (2)

7.693min 175390.743 ng/mL

response 44075

Q-DM

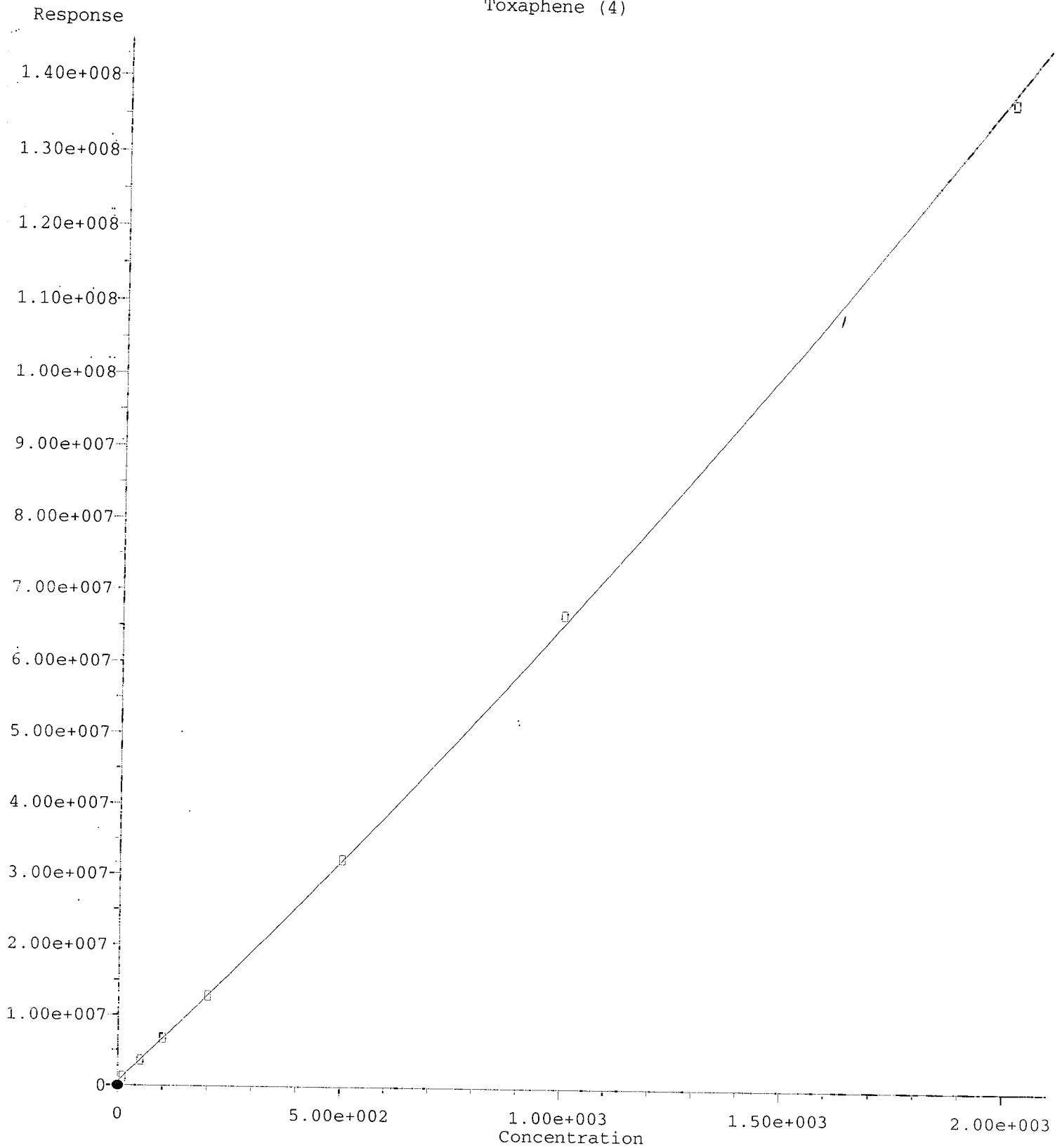
MJB 6/7/20

(37) Toxaphene (2) #2

8.673min 10.684 ng/mL

response 454972

Toxaphene (4)

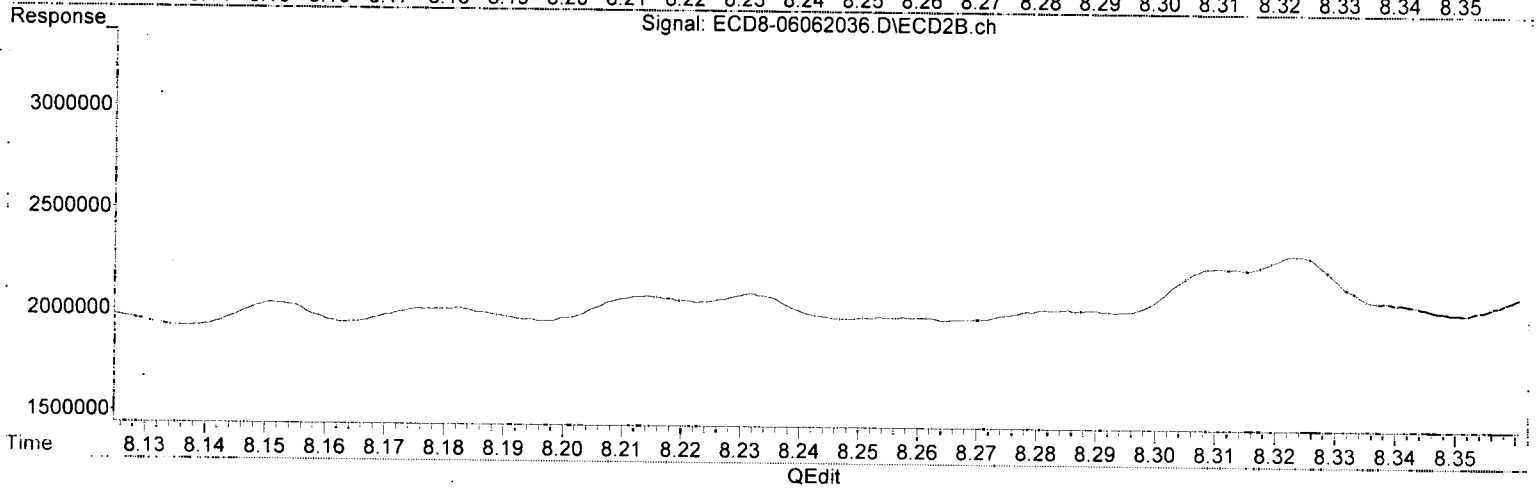
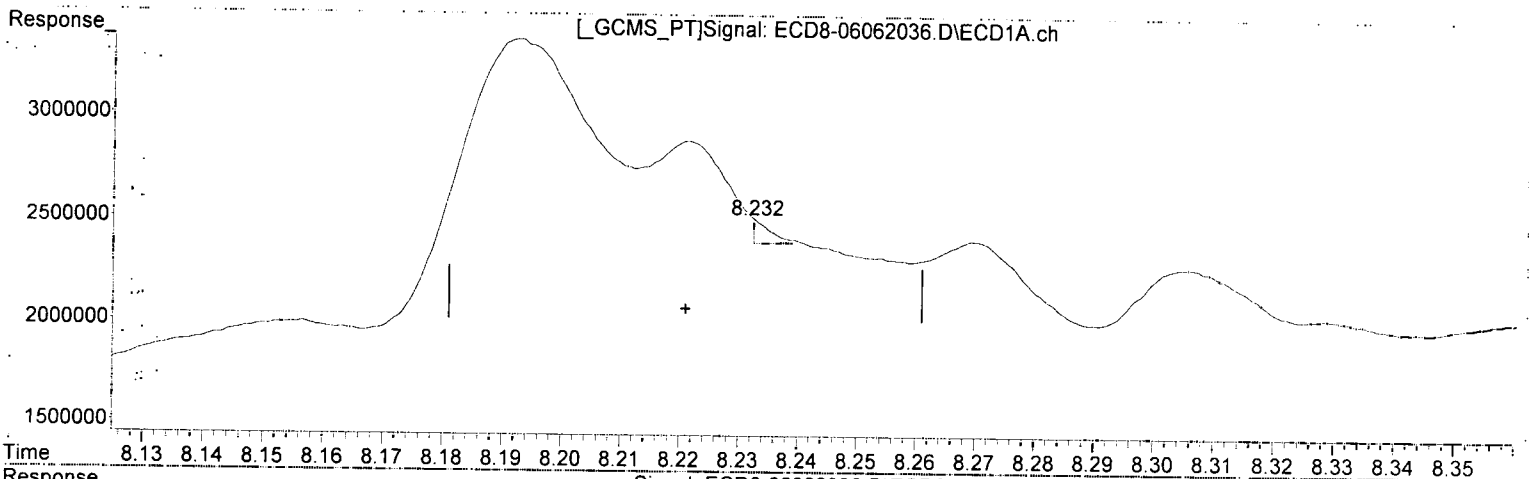


R = 4.37e+000 A*A + 6.06e+004 A + 5.81e+005
Coef of Det (r^2) = 1.000
07/24/20 Anchor DEA, LLC - Gasco PreRD - DG 2019-14a-b.DOC-CAP Testing Cores Page 539 of 908
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

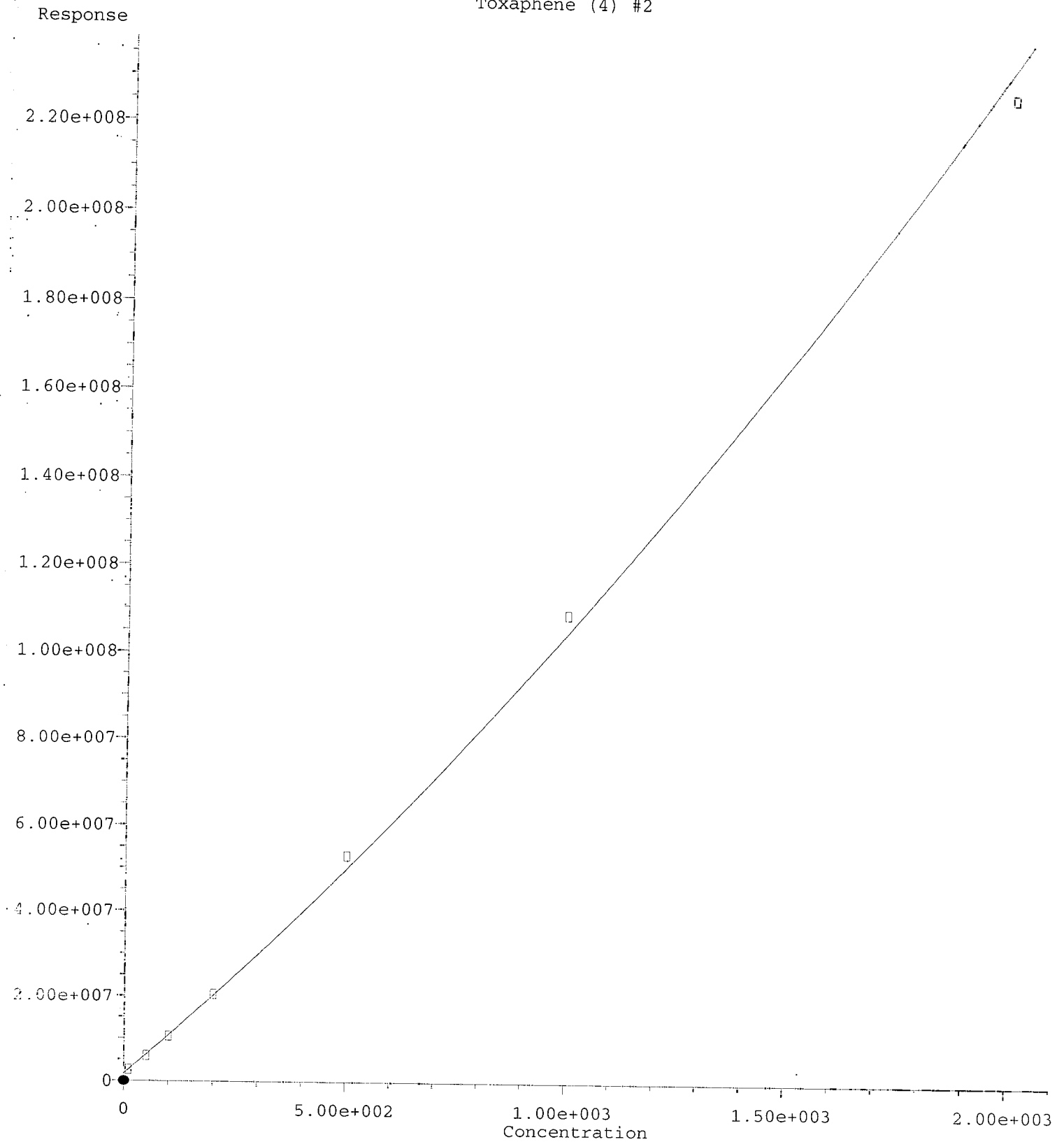


(39) Toxaphene (4)
8.232min -7.618 ng/mL(m)
response 118817

MJB
6/7/20

(39) Toxaphene (4) #2
8.773min 10.159 ng/mL
response 2581320

Toxaphene (4) #2

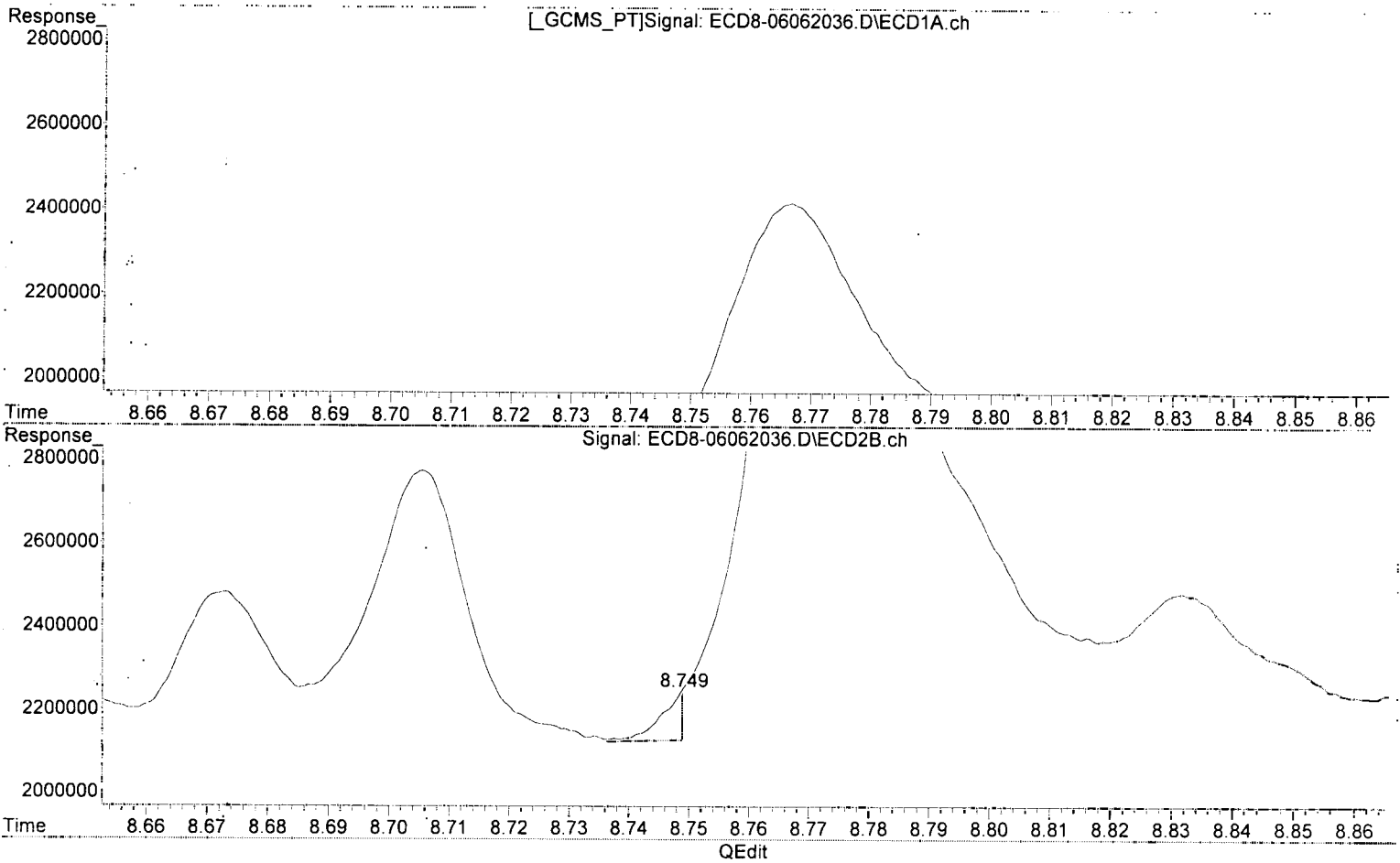


R = 1.29e+001 A*A + 9.00e+004 A + 1.67e+006
Coef of Det (r^2) = 0.998
07/24/20 Anchor DEA, LLC - Gasce PreRD DS 2019-14a-b DOC-CAP Testing Cores Page 541 of 908
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(39) Toxaphene (4)
8.232min -7.618 ng/mL m
response 118817

MJB
6/7/20

(39) Toxaphene (4) #2
8.749min -17.248 ng/mL (m)
response 117255

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 15:34
 Operator : MJB
 Sample : 0F06008-ICB1
 Misc : A20E115
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:41:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

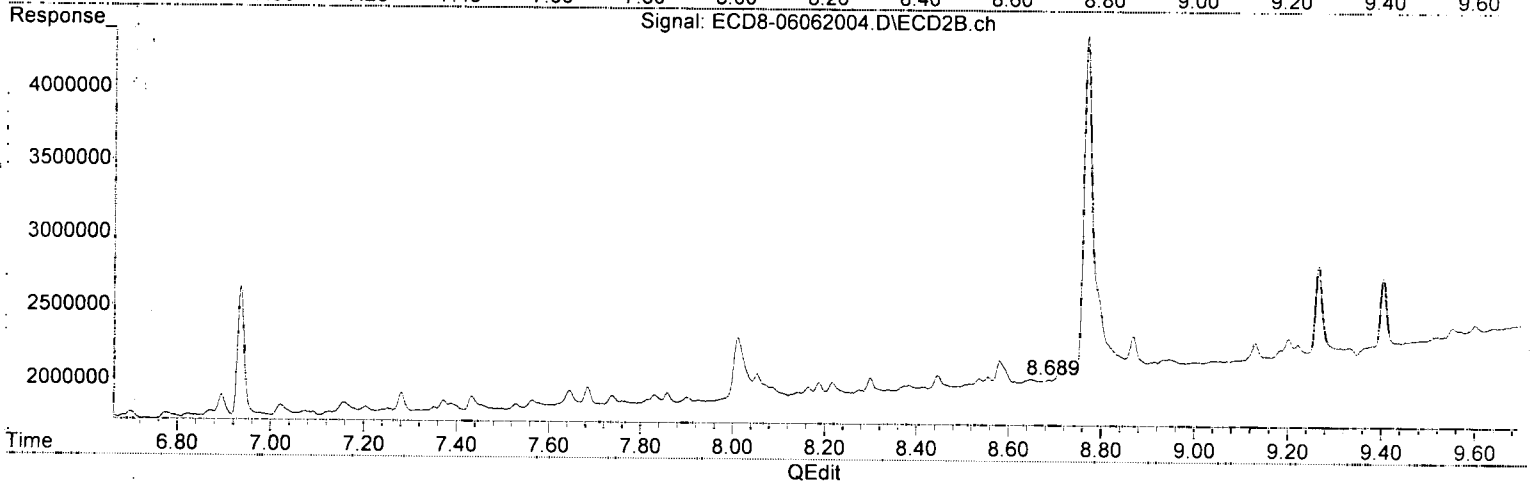
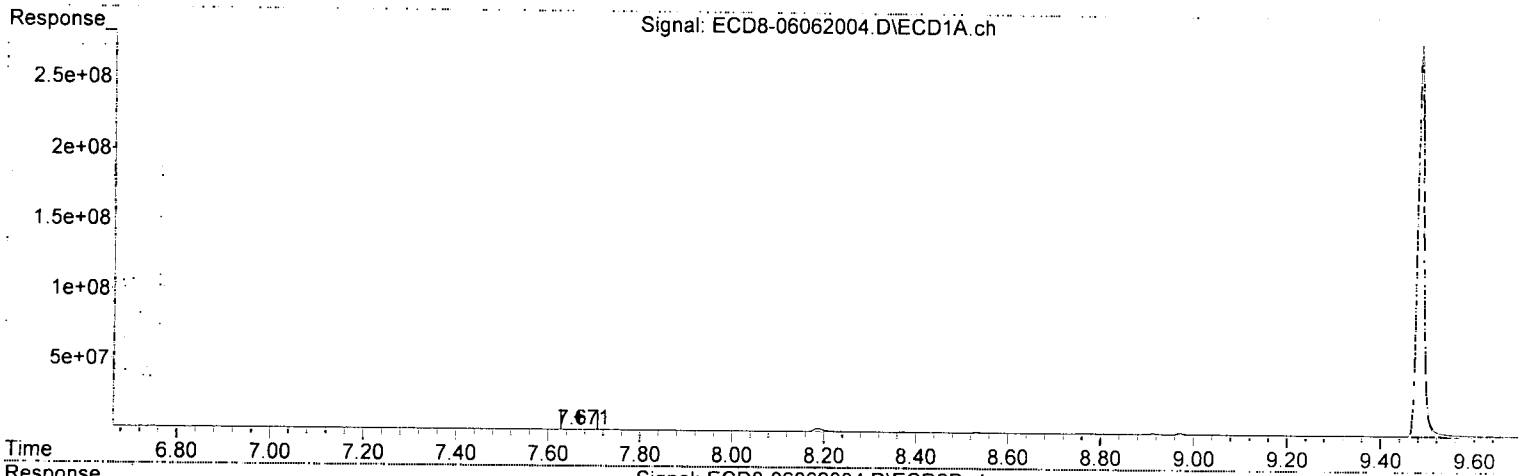
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|-----------------------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.276 | 5.847 | 368.7E6 | 369.2E6 | 101.092 | 103.989 |
| 22) S DCBP (S) | 9.483 | 10.395 | 279.0E6 | 235.9E6 | 96.645 | 95.371 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.816 | 0.000 | 74627 | 0 | 0.015 | N.D. # |
| 3) g-BHC | 6.069f | 6.773 | 51697 | 41576 | 0.012 | 0.010 # |
| 4) b-BHC | 6.171 | 6.838 | 55999 | 24065 | 0.031 | 0.013 # |
| 5) Heptachlor | 6.503 | 7.156 | 60603 | 87393 | 0.015 | 0.021 # |
| 6) d-BHC | 6.351f | 7.092 | 32341 | 25247 | 0.042 | 0.042 # |
| 7) Aldrin | 6.748 | 7.387 | 26788 | 55079 | 0.006 | 0.014 # |
| 8) Heptachlo... | 7.240f | 7.858 | 116521 | 68875 | 0.029 | 0.018 # |
| 9) trans-Chl... | 7.289 | 8.011f | 106608 | 428530 | 0.026 | 0.112 # |
| 10) cis-Chlor... | 7.394 | 8.087 | 416655 | 75162 | BelowCal | 0.020 |
| 11) Endosulfa... | 7.497 | 8.141 | 51396 | 29067 | 0.014 | 0.009 # |
| 12) 4,4'-DDE | 7.474 | 8.218 | 48205 | 86744 | 0.013 | 0.032 # |
| 13) Dieldrin | 7.671 | 8.340 | 29742 | 13791 | 0.007 | 0.004 # |
| 14) Endrin | 0.000 | 8.581 | 0 | 165366 | N.D. | 0.056 # |
| 15) 4,4'-DDD | 7.876 | 8.625 | 85590 | 6026 | 0.030 | BelowCal # |
| 16) Endosulfa... | 7.977 | 8.714 | 14754 | 97700 | 0.005 | 0.032 # |
| 17) 4,4'-DDT | 8.082 | 8.868 | 14874 | 255891 | 0.016 | 0.065 # |
| 18) Endrin Al... | 8.283 | 8.935f | 117487 | 82391 | BelowCal | 0.028 |
| 19) Endosulfa... | 8.557f | 9.150 | 22442 | 39771 | 0.008 | 0.013 # |
| 20) Methoxychlor | 8.413 | 9.331 | 220522 | 51882 | 0.067 | BelowCal # |
| 21) Endrin Ke... | 8.762 | 9.552 | 462940 | 81109 | 0.130 | 0.024 # |
| 23) Hexachlor... | 0.000 | 3.558f | 0 | 50437 | N.D. | BelowCal |
| 24) Hexachlor... | 5.657 | 6.312 | 794957 | 22226 | 0.069 | BelowCal # |
| 25) Oxychlorane | 7.107f | 7.787 | 40165 | 14275 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.240f | 8.011f | 116521 | 428530 | 0.049 | BelowCal # |
| 27) trans-Non... | 7.394 | 8.053 | 416655 | 170711 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 0.000 | 8.374 | 0 | 34839 | N.D. | 0.017 # |
| 29) 2,4'-DDT | 7.775 | 8.581 | 77096 | 165366 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.876 | 8.613 | 85590 | 15528 | 0.021 | 0.004 # |
| 31) Mirex | 8.532 | 9.534 | 559948 | 31718 | BelowCal | BelowCal |
| 32) Chlordane... | 7.289 | 8.011f | 106608 | 428530 | 0.258 | 0.989 # |
| 33) Chlordane... | 7.394 | 8.087 | 416655 | 75162 | 0.810 | 0.206 # |
| 34) Chlordane... | 7.953 | 8.768 | 169790 | 2337957 | 1.313 | 19.601 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.394 | 8.340 | 416655 | 13791 | 22.236 | 0.420 # |
| 37) Toxaphene... | 7.671 | 8.688 | 29742 | 9541 | 175391.199 | 0.224 # |
| 38) Toxaphene... | 7.977 | 8.714 | 14754 | 97700 | 0.203 | 1.546 # |
| 39) Toxaphene... | 8.187f | 8.768 | 2224117 | 2337957 | 27.051 | 7.462 # |
| 40) Toxaphene... | 8.447 | 8.935 | 26677 | 82391 | 0.512 | 1.403 # |
| 41) Toxaphene... | 8.532 | 9.331 | 559948 | 51882 | 7.588 | 0.808 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:34
Operator : MJB
Sample : 0F06008-ICB1
Misc : A20E115
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(37) Toxaphene (2)

7.671min 175391.199 ng/mL

response 29742

Q-04

(37) Toxaphene (2) #2

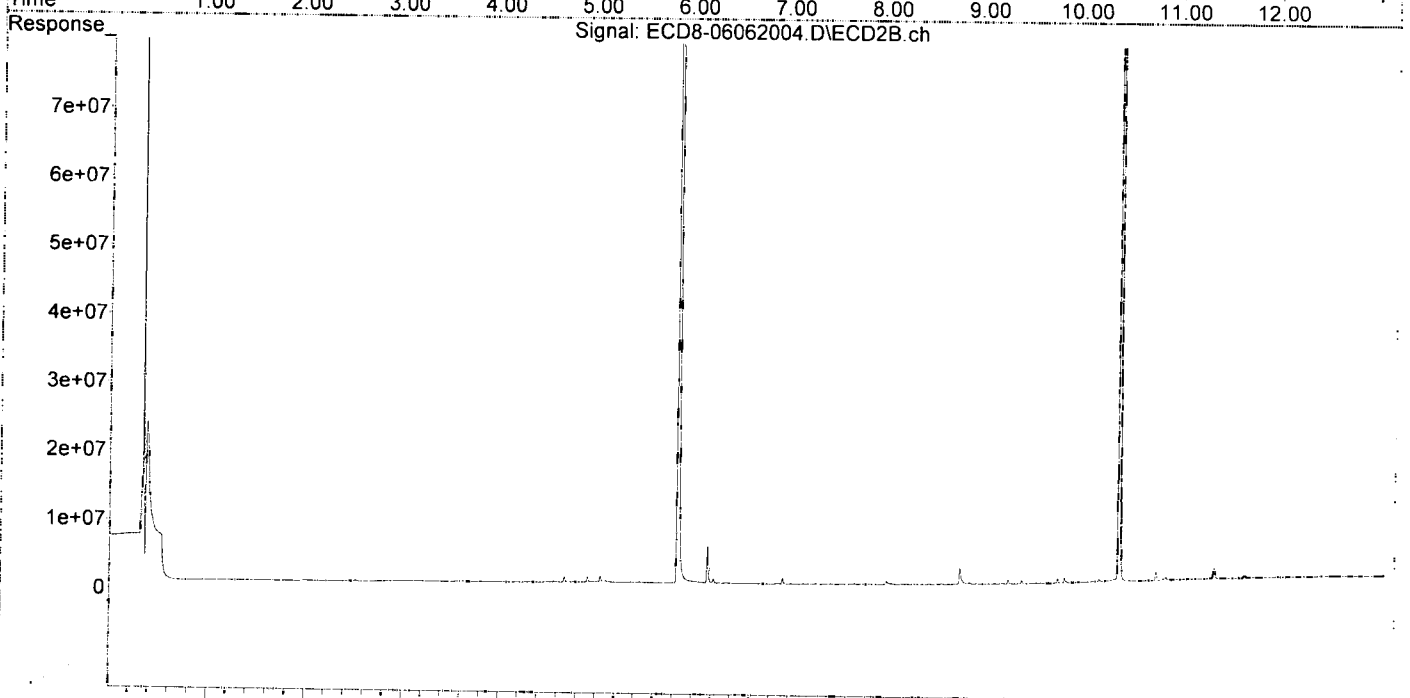
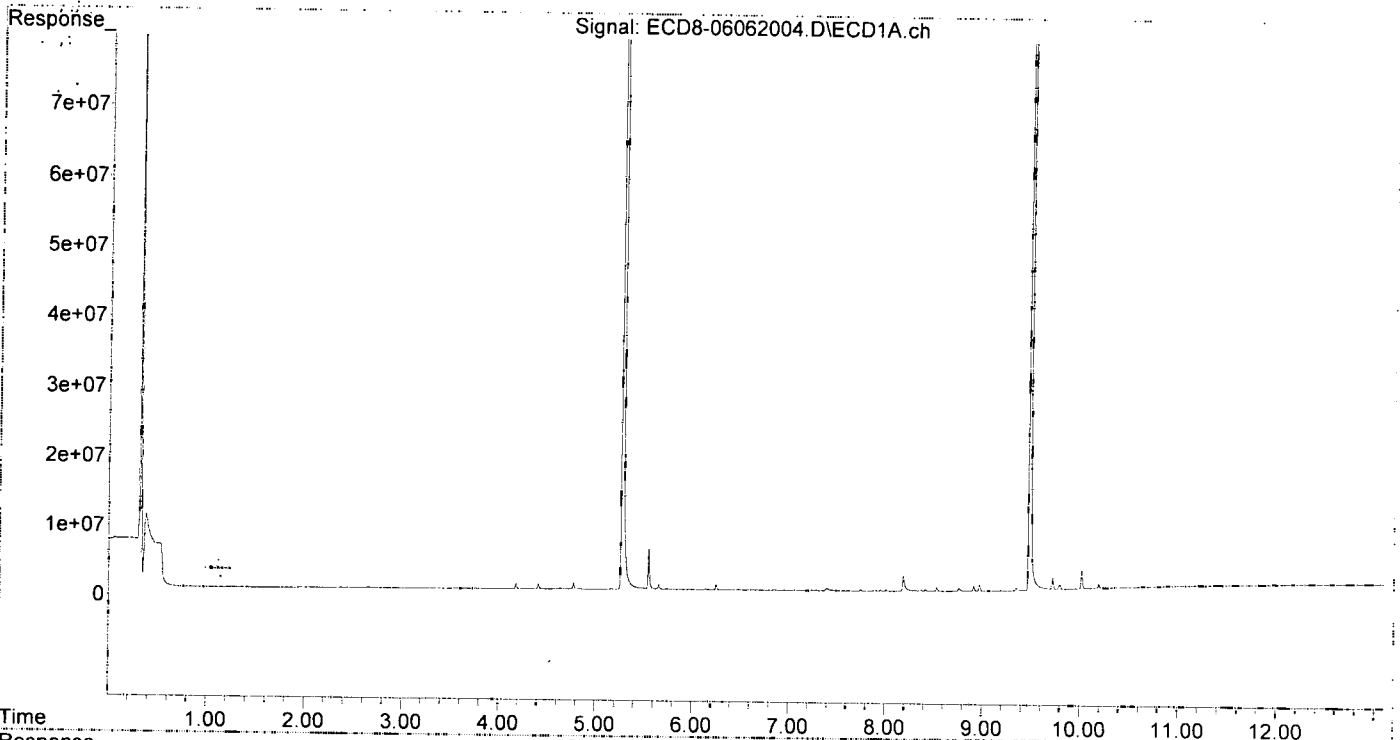
8.688min 0.224 ng/mL

response 9541

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:34
Operator : MJB
Sample : 0F06008-ICB1
Misc : A20E115
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 18:19
 Operator : MJB
 Sample : 0F06008-IBL1
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:41:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Clear

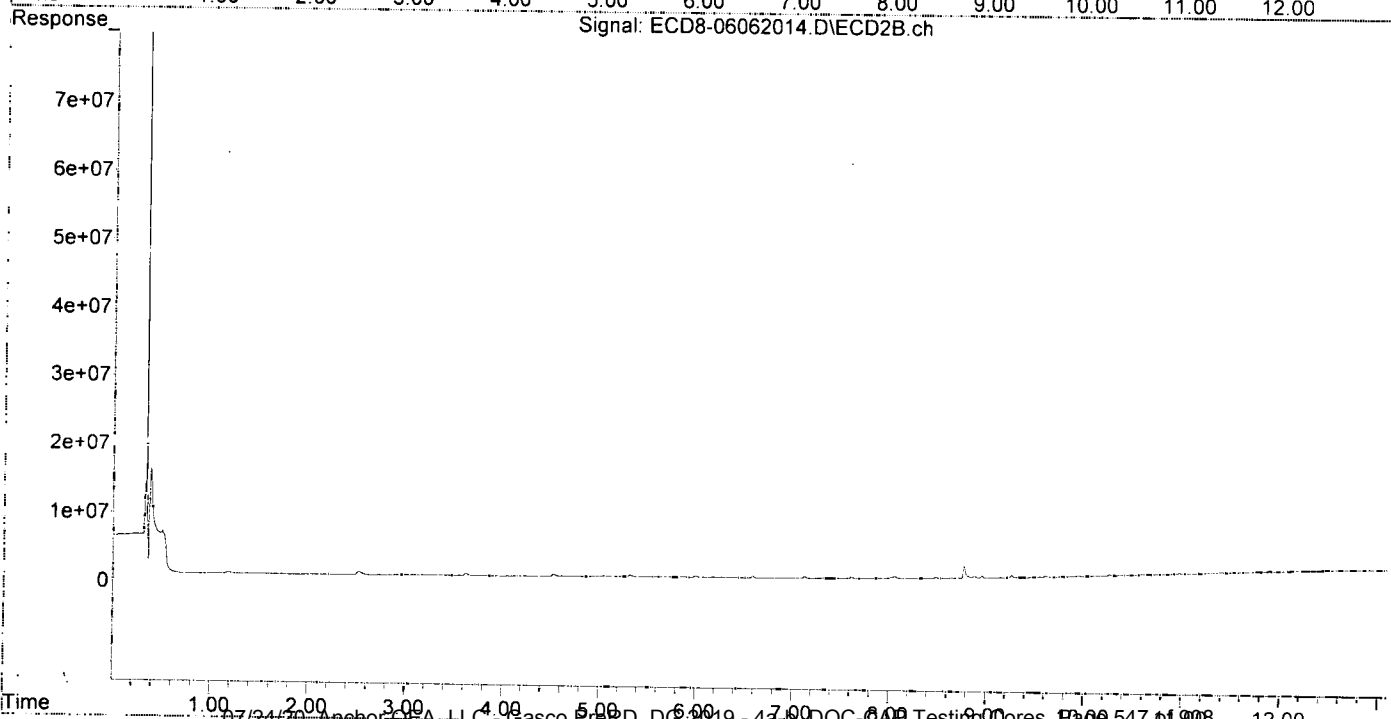
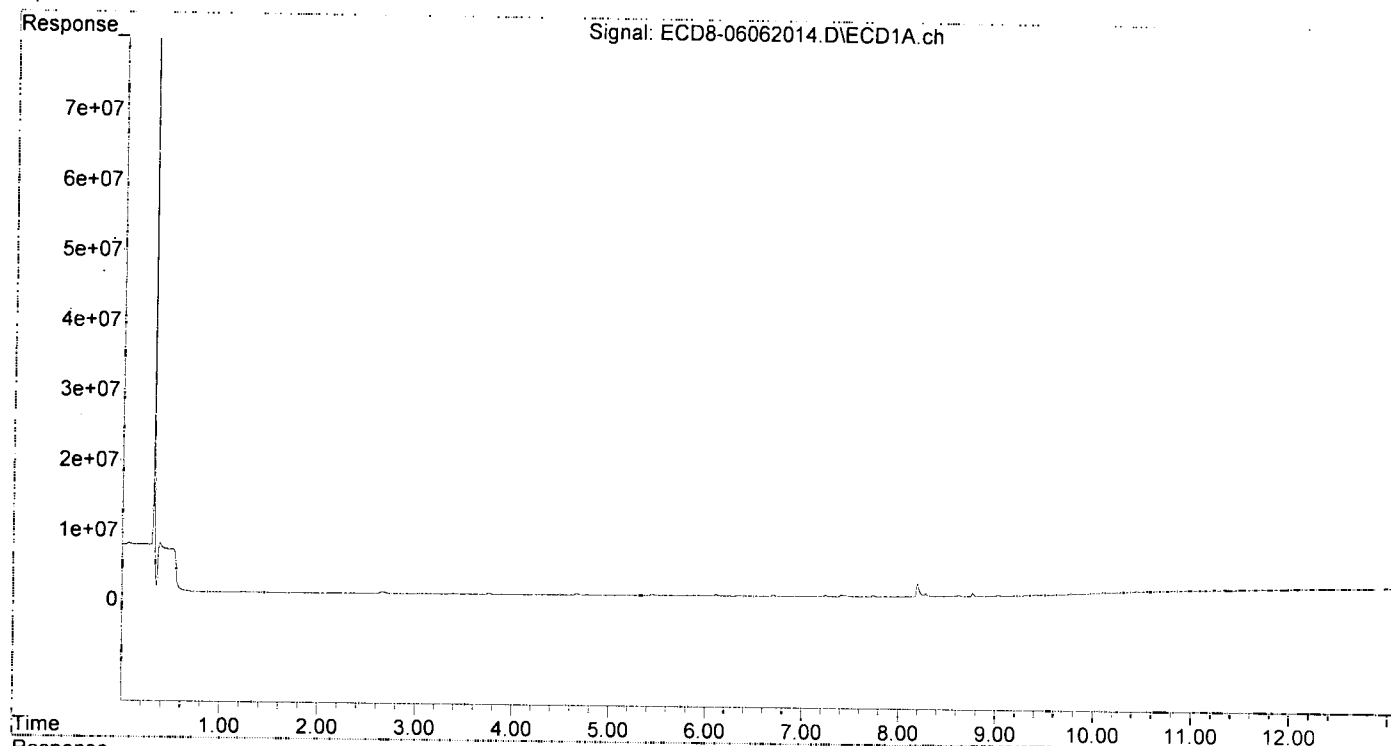
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|------------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.277 | 5.861 | 25577 | 107560 | 0.007 | 0.030 # |
| 22) S DCBP (S) | 9.481 | 10.396 | 84194 | 60925 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.815 | 6.438 | 53284 | 31824 | 0.011 | 0.007 # |
| 3) g-BHC | 6.110 | 6.772 | 197153 | 16183 | 0.046 | 0.004 # |
| 4) b-BHC | 6.172 | 6.840 | 33259 | 44473 | 0.018 | 0.024 # |
| 5) Heptachlor | 6.501 | 7.127 | 26489 | 243993 | 0.007 | 0.058 # |
| 6) d-BHC | 6.329 | 7.096 | 32671 | 42315 | 0.043 | 0.047 # |
| 7) Aldrin | 6.706f | 7.408 | 167760 | 29766 | 0.039 | 0.007 # |
| 8) Heptachlo... | 7.206 | 7.848 | 25557 | 40509 | 0.006 | 0.011 # |
| 9) trans-Chl... | 7.305 | 7.988 | 27849 | 32045 | 0.007 | 0.008 # |
| 10) cis-Chlor... | 7.411 | 8.061f | 210269 | 309774 | BelowCal | 0.083 |
| 11) Endosulfa... | 7.498 | 8.144 | 72663 | 42101 | 0.020 | 0.012 # |
| 12) 4,4'-DDE | 7.464 | 8.211 | 114945 | 25476 | 0.031 | 0.014 # |
| 13) Dieldrin | 7.665 | 8.345 | 28937 | 33805 | 0.007 | 0.009 # |
| 14) Endrin | 7.834 | 8.577 | 21792 | 14630 | 0.006 | 0.005 # |
| 15) 4,4'-DDD | 7.888 | 8.650f | 24999 | 22255 | 0.009 | BelowCal # |
| 16) Endosulfa... | 7.989 | 8.723 | 48107 | 56088 | 0.016 | 0.019 # |
| 17) 4,4'-DDT | 8.083 | 8.880f | 23911 | 297530 | 0.020 | 0.082 # |
| 18) Endrin Al... | 8.279 | 8.960 | 507874 | 360068 | BelowCal | 0.124 |
| 19) Endosulfa... | 8.581 | 9.152 | 104401 | 93365 | 0.035 | 0.031 # |
| 20) Methoxychlor | 8.424 | 9.336 | 46766 | 30510 | BelowCal | BelowCal |
| 21) Endrin Ke... | 8.762 | 9.552 | 491464 | 69583 | 0.138 | 0.021 # |
| 23) Hexachlor... | 3.046 | 3.538 | 10794 | 19534 | BelowCal | BelowCal |
| 24) Hexachlor... | 0.000 | 6.302 | 0 | 55884 | N.D. | BelowCal |
| 25) Oxychlorane | 0.000 | 7.778 | 0 | 8162 | N.D. | BelowCal |
| 26) 2,4'-DDE | 7.206 | 7.988 | 25557 | 32045 | 0.011 | BelowCal # |
| 27) trans-Non... | 7.411f | 8.061 | 210269 | 309774 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 0.000 | 8.345 | 0 | 33805 | N.D. | 0.016 # |
| 29) 2,4'-DDT | 7.737f | 8.577 | 154757 | 14630 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.834f | 8.591f | 21792 | 11062 | 0.005 | 0.003 # |
| 31) Mirex | 8.524 | 9.552 | 29949 | 69583 | BelowCal | BelowCal |
| 32) Chlordane... | 7.305 | 7.988 | 27849 | 32045 | 0.067 | 0.074 # |
| 33) Chlordane... | 7.411 | 8.061f | 210269 | 309774 | 0.409 | 0.849 # |
| 34) Chlordane... | 7.944 | 8.773 | 21315 | 1757580 | 0.165 | 14.736 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.411f | 8.306 | 210269 | 24248 | 9.144 | 0.739 # |
| 37) Toxaphene... | 7.665 | 8.650f | 28937 | 22255 | 175391.224 | 0.523 # |
| 38) Toxaphene... | 7.989 | 8.723 | 48107 | 56088 | 0.663 | 0.888 # |
| 39) Toxaphene... | 8.192f | 8.773 | 1952641 | 1757580 | 22.590 | 1.021 # |
| 40) Toxaphene... | 8.424f | 8.960 | 46766 | 360068 | 0.898 | 6.132 # |
| 41) Toxaphene... | 8.515 | 9.336 | 31620 | 30510 | 0.428 | 0.475 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:19
Operator : MJB
Sample : 0F06008-IBL1
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 18:36
 Operator : MJB
 Sample : 0F06008-ICV1
 Misc : A20C164, AB 50 ppb
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:41:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.274 | 5.847 | 177.7E6 | 175.0E6 | 48.731 | 49.296 |
| 22) S DCBP (S) | 9.482 | 10.396 | 141.8E6 | 116.5E6 | 49.525 | 48.869 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.453 | 240.9E6 | 250.2E6 | 49.430 | 52.494 |
| 3) g-BHC | 6.095 | 6.771 | 221.2E6 | 222.9E6 | 51.798 | 52.216 |
| 4) b-BHC | 6.172 | 6.838 | 87452890 | 86748081 | 48.502 | 47.459 |
| 5) Heptachlor | 6.504 | 7.142 | 195.7E6 | 201.4E6 | 49.503 | 47.541 |
| 6) d-BHC | 6.320 | 7.091 | 192.8E6 | 207.3E6 | 51.841 | 51.354 |
| 7) Aldrin | 6.745 | 7.406 | 215.2E6 | 203.9E6 | 49.908 | 50.844 |
| 8) Heptachlo... | 7.206 | 7.846 | 196.9E6 | 187.6E6 | 49.821 | 49.822 |
| 9) trans-Chl... | 7.301 | 7.987 | 195.0E6 | 189.2E6 | 48.455 | 49.547 |
| 10) cis-Chlor... | 7.398 | 8.095 | 187.3E6 | 180.7E6 | 49.806 | 48.512 |
| 11) Endosulfa... | 7.495 | 8.143 | 180.3E6 | 166.1E6 | 48.985 | 48.975 |
| 12) 4,4'-DDE | 7.464 | 8.207 | 181.7E6 | 179.0E6 | 49.575 | 49.842 |
| 13) Dieldrin | 7.667 | 8.344 | 200.5E6 | 193.3E6 | 49.673 | 50.137 |
| 14) Endrin | 7.831 | 8.572 | 168.3E6 | 152.9E6 | 49.872 | 51.708 |
| 15) 4,4'-DDD | 7.885 | 8.623 | 143.8E6 | 149.2E6 | 50.391 | 51.583 |
| 16) Endosulfa... | 7.987 | 8.720 | 156.9E6 | 160.7E6 | 51.551 | 53.133 |
| 17) 4,4'-DDT | 8.083 | 8.850 | 128.9E6 | 141.2E6 | 52.090 | 51.273 |
| 18) Endrin Al... | 8.278 | 8.959 | 133.4E6 | 128.8E6 | 47.824 | 44.500 |
| 19) Endosulfa... | 8.580 | 9.150 | 149.4E6 | 147.9E6 | 50.579 | 49.880 |
| 20) Methoxychlor | 8.424 | 9.334 | 57696314 | 65932751 | 50.518 | 50.377 |
| 21) Endrin Ke... | 8.773 | 9.549 | 167.9E6 | 164.9E6 | 47.064 | 49.084 |
| 23) Hexachlor... | 3.045 | 0.000 | 18585 | 0 | BelowCal | N.D. |
| 24) Hexachlor... | 5.656 | 6.318 | 392885 | 38128 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.142 | 7.780 | 891829 | 39446 | 0.088 | BelowCal # |
| 26) 2,4'-DDE | 7.206 | 7.987 | 196.9E6 | 189.2E6 | 82.267 | 80.905 |
| 27) trans-Non... | 7.398 | 8.048 | 187.3E6 | 704039 | 53.192 | BelowCal # |
| 28) 2,4'-DDD | 7.585 | 8.344 | 2302204 | 193.3E6 | 1.036 | 93.007 # |
| 29) 2,4'-DDT | 7.769 | 8.572 | 1270000 | 152.9E6 | 0.526 | 72.628 # |
| 30) cis-Nonac... | 7.885f | 8.623 | 143.8E6 | 149.2E6 | 34.966 | 37.336 |
| 31) Mirex | 8.529 | 9.549 | 733229 | 164.9E6 | BelowCal | 71.312 |
| 32) Chlordane... | 7.301 | 7.987 | 195.0E6 | 189.2E6 | 471.984 | 436.746 |
| 33) Chlordane... | 7.398 | 8.095 | 187.3E6 | 180.7E6 | 364.100 | 495.399 # |
| 34) Chlordane... | 0.000 | 8.769 | 0 | 2290358 | N.D. | 19.202 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.398f | 8.344f | 187.3E6 | 193.3E6 | 9785.721 | 5890.844 # |
| 37) Toxaphene... | 7.667 | 0.000 | 200.5E6 | 0 | 6626.725 | N.D. # |
| 38) Toxaphene... | 7.987 | 8.720 | 156.9E6 | 160.7E6 | 2162.204 | 2542.733 |
| 39) Toxaphene... | 8.199f | 8.769 | 7256567 | 2290358 | 109.233 | 6.934 # |
| 40) Toxaphene... | 8.424f | 8.959 | 57696314 | 128.8E6 | 1107.751 | 2192.803 # |
| 41) Toxaphene... | 8.529 | 9.334 | 733229 | 65932751 | 9.936 | 1026.259 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

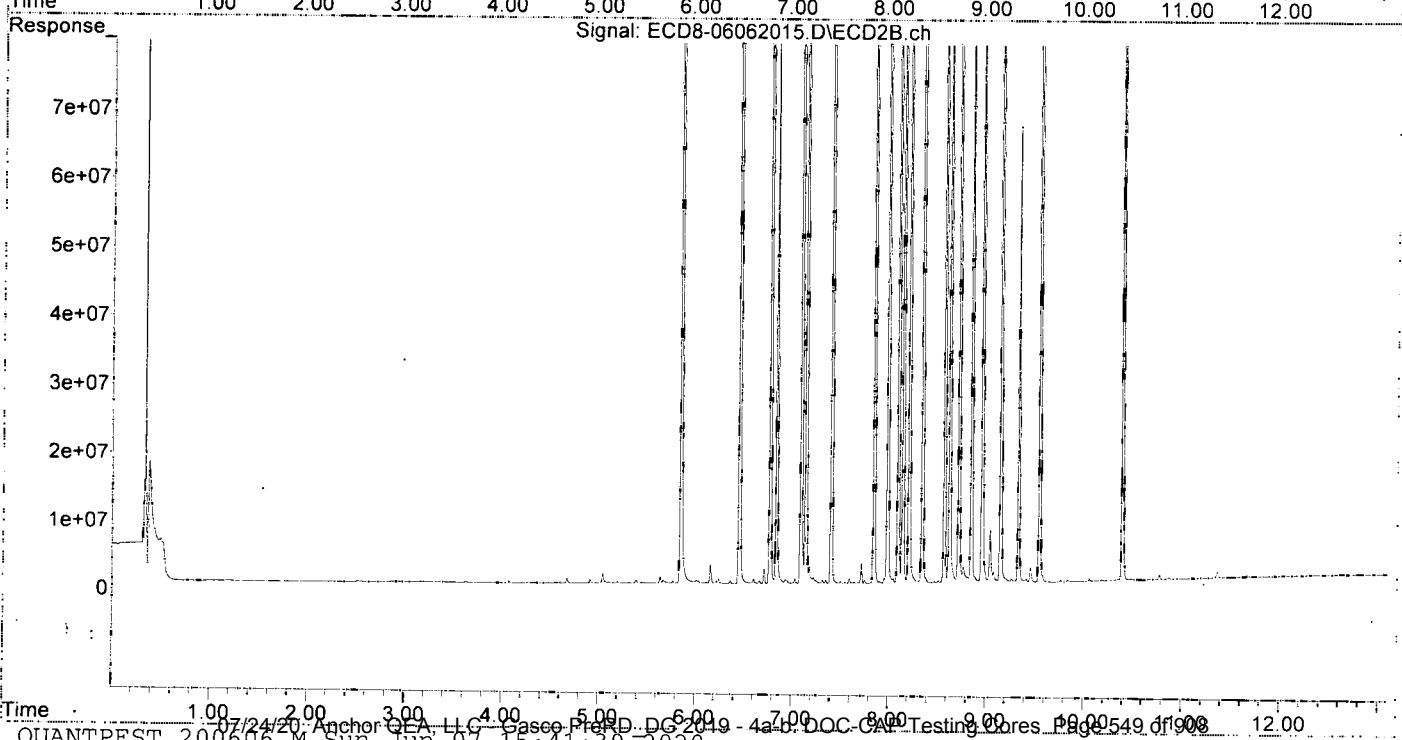
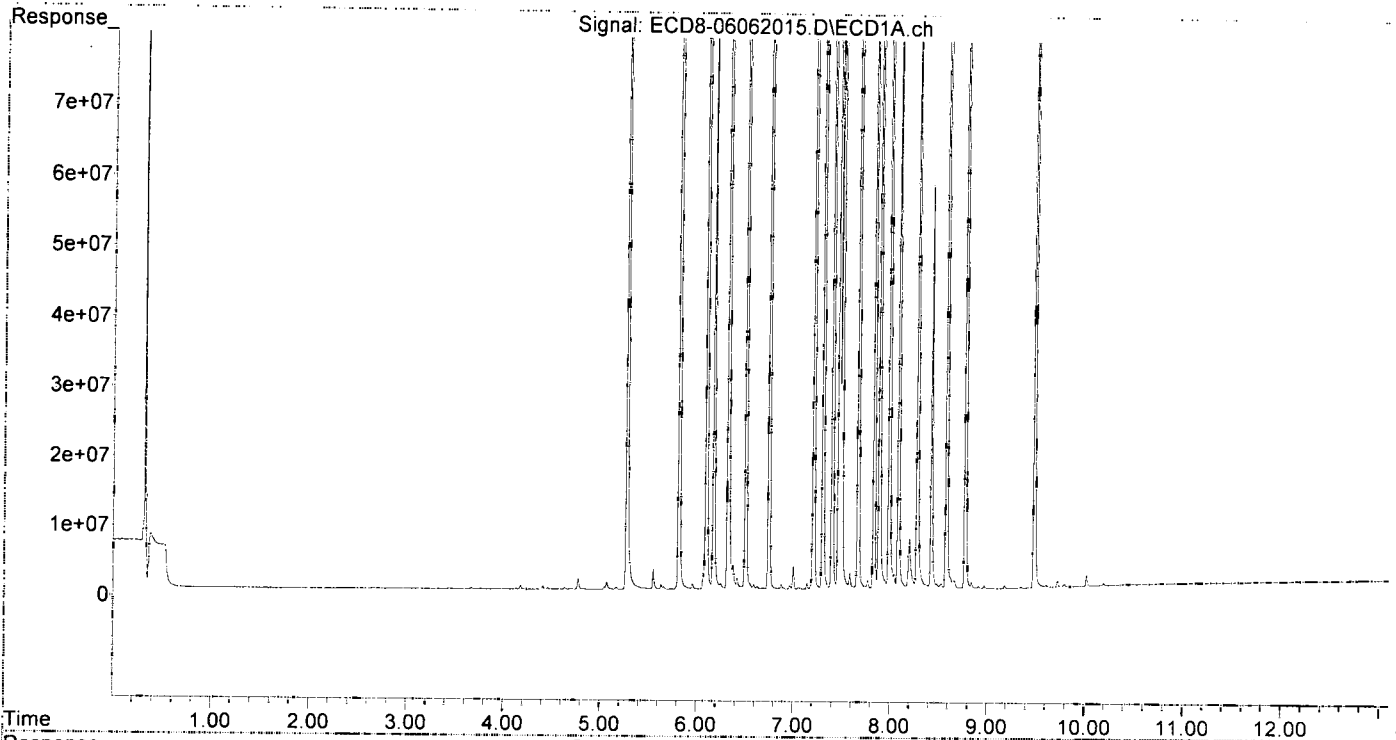
MJB
6/7/20

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:36
Operator : MJB
Sample : 0F06008-ICV1
Misc : A20C164, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 21:21
 Operator : MJB
 Sample : 0F06008-IBL2
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:41:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

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6/17/20*

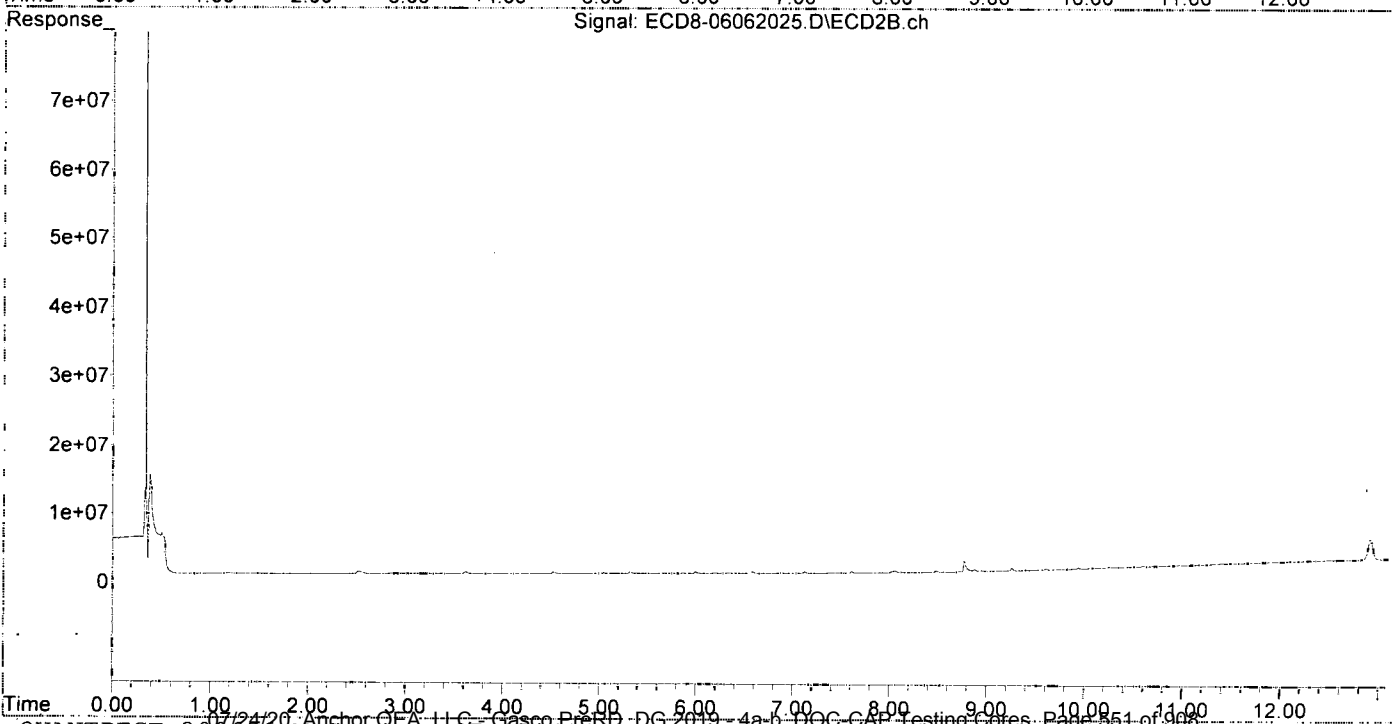
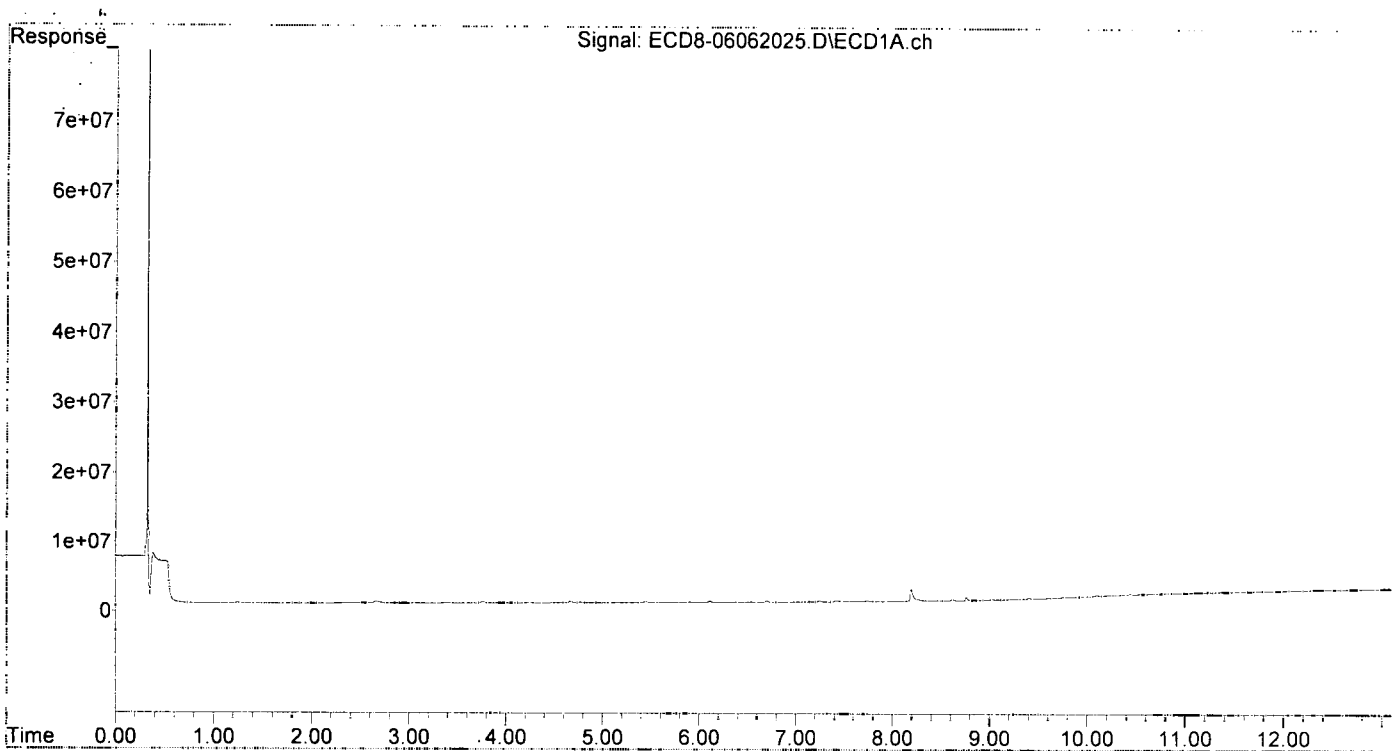
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.835 | 0 | 15788 | N.D. | 0.004 # |
| 22) S DCBP (S) | 9.480 | 10.391 | 31551 | 28749 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.814 | 6.488f | 31603 | 14318 | 0.006 | 0.003 # |
| 3) g-BHC | 6.109 | 6.795f | 168321 | 6053 | 0.039 | 0.001 # |
| 4) b-BHC | 6.173 | 6.838 | 5521 | 37658 | 0.003 | 0.021 # |
| 5) Heptachlor | 0.000 | 7.126 | 0 | 233262 | N.D. | 0.055 # |
| 6) d-BHC | 6.324 | 7.097 | 10077 | 22340 | 0.036 | 0.042 # |
| 7) Aldrin | 0.000 | 7.390 | 0 | 17234 | N.D. | 0.004 # |
| 8) Heptachlo... | 7.243f | 7.840 | 167024 | 10960 | 0.042 | 0.003 # |
| 9) trans-Chl... | 0.000 | 7.987 | 0 | 22332 | N.D. | 0.006 # |
| 10) cis-Chlor... | 7.415 | 8.060f | 140238 | 323494 | BelowCal | 0.087 |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 7.452 | 8.214 | 76578 | 8764 | 0.021 | 0.009 # |
| 13) Dieldrin | 0.000 | 8.344 | 0 | 11128 | N.D. | 0.003 # |
| 14) Endrin | 7.858f | 8.579 | 20851 | 17603 | 0.006 | 0.006 |
| 15) 4,4'-DDD | 7.862f | 8.617 | 22681 | 27586 | 0.008 | BelowCal # |
| 16) Endosulfa... | 7.988 | 8.723 | 17017 | 24764 | 0.006 | 0.008 # |
| 17) 4,4'-DDT | 8.084 | 8.880f | 15293 | 309847 | 0.016 | 0.086 # |
| 18) Endrin Al... | 8.279 | 8.953 | 221689 | 115606 | BelowCal | 0.040 |
| 19) Endosulfa... | 8.582 | 9.150 | 26841 | 34129 | 0.009 | 0.012 # |
| 20) Methoxychlor | 8.405 | 9.339 | 47719 | 17341 | BelowCal | BelowCal |
| 21) Endrin Ke... | 8.764 | 9.551 | 496870 | 39079 | 0.139 | 0.012 # |
| 23) Hexachlor... | 3.047 | 3.538 | 43840 | 22506 | BelowCal | BelowCal |
| 24) Hexachlor... | 5.659 | 6.310 | 24975 | 61391 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.132 | 7.775 | 20005 | 13832 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.243f | 7.980 | 167024 | 19016 | 0.070 | BelowCal # |
| 27) trans-Non... | 7.415f | 8.056 | 140238 | 320537 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.586 | 8.355 | 4837 | 15262 | BelowCal | 0.007 |
| 29) 2,4'-DDT | 7.737f | 8.579 | 156837 | 17603 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.858 | 8.617 | 20851 | 27586 | 0.005 | 0.007 # |
| 31) Mirex | 8.526 | 9.551 | 54315 | 39079 | BelowCal | BelowCal |
| 32) Chlordane... | 0.000 | 7.987 | 0 | 22332 | N.D. | 0.052 # |
| 33) Chlordane... | 7.415 | 8.060f | 140238 | 323494 | 0.273 | 0.887 # |
| 34) Chlordane... | 7.949 | 8.737 | 18848 | 5952 | 0.146 | 0.050 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.415f | 8.327 | 140238 | 10550 | 4.700 | 0.322 # |
| 37) Toxaphene... | 0.000 | 8.668 | 0 | 7041 | N.D. | 0.165 # |
| 38) Toxaphene... | 7.988 | 8.723 | 17017 | 24764 | 0.235 | 0.392 # |
| 39) Toxaphene... | 8.194f | 8.774 | 1798095 | 1608085 | 20.050 | BelowCal # |
| 40) Toxaphene... | 0.000 | 8.953 | 0 | 115606 | N.D. | 1.969 # |
| 41) Toxaphene... | 8.526 | 9.339 | 54315 | 17341 | 0.736 | 0.270 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:21
Operator : MJB
Sample : 0F06008-IBL2
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062026.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 21:38
 Operator : MJB
 Sample : 0F06008-ICV2
 Misc : A20C360, 9-42 50 ppb
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:41:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

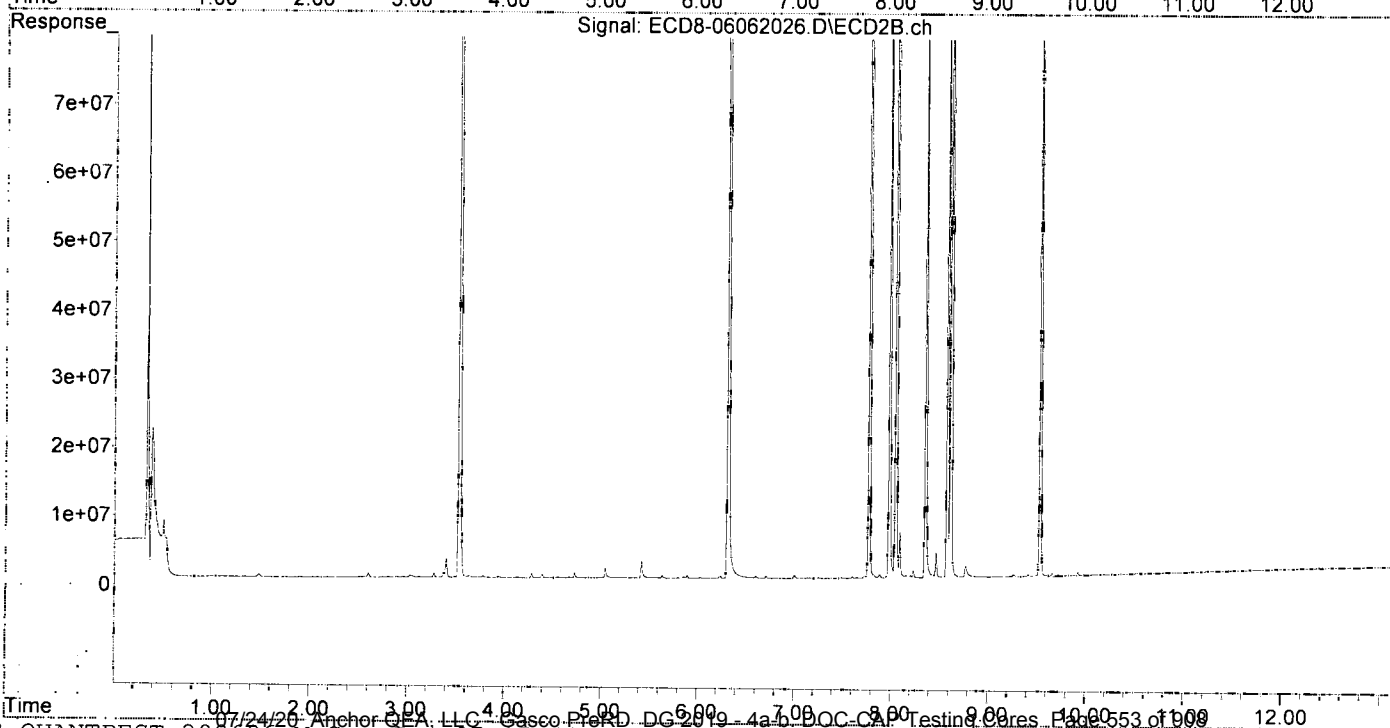
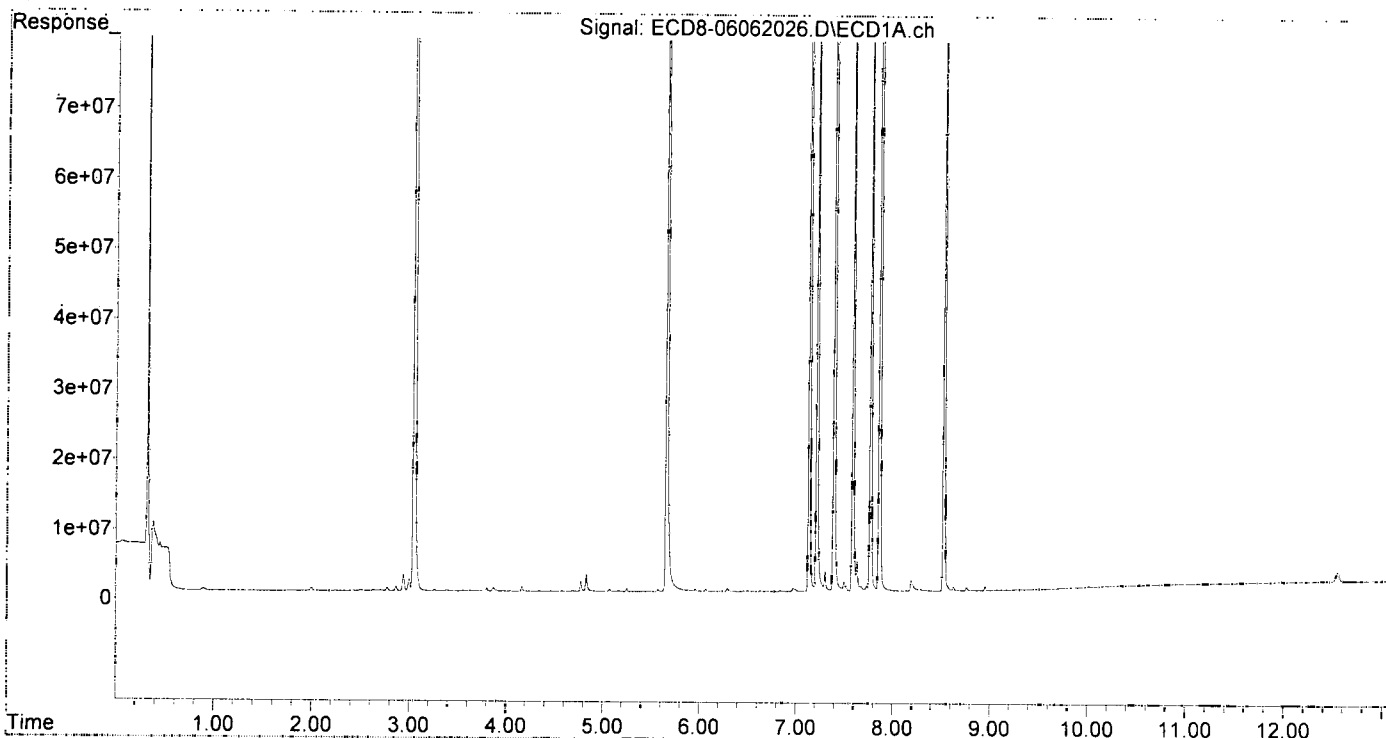
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.250f | 5.860 | 413619 | 175639 | 0.113 | 0.049 # |
| 22) S DCBP (S) | 0.000 | 10.391 | 0 | 8525 | N.D. | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.068f | 6.808f | 334605 | 48239 | 0.078 | 0.011 # |
| 4) b-BHC | 6.165 | 6.842 | 38677 | 31257 | 0.021 | 0.017 |
| 5) Heptachlor | 6.505 | 7.142 | 121164 | 107130 | 0.031 | 0.025 |
| 6) d-BHC | 6.291f | 7.098 | 461755 | 129813 | 0.168 | 0.071 # |
| 7) Aldrin | 6.757 | 7.401 | 14174 | 21157 | 0.003 | 0.005 # |
| 8) Heptachlo... | 7.213 | 0.000 | 119.2E6 | 0 | 30.174 | N.D. # |
| 9) trans-Chl... | 7.302 | 7.984 | 2872134 | 120.9E6 | 0.714 | 31.656 # |
| 10) cis-Chlor... | 7.391 | 8.095 | 190.6E6 | 6554015 | 50.661 | 1.759 # |
| 11) Endosulfa... | 7.499 | 8.160 | 1469320 | 383686 | 0.399 | 0.113 # |
| 12) 4,4'-DDE | 7.477 | 8.206 | 469384 | 368510 | 0.128 | 0.117 |
| 13) Dieldrin | 7.672 | 8.358 | 713651 | 106.3E6 | 0.177 | 27.568 # |
| 14) Endrin | 7.861f | 8.581 | 204.6E6 | 118.3E6 | 60.621 | 40.026 # |
| 15) 4,4'-DDD | 7.861f | 8.617 | 204.6E6 | 202.9E6 | 71.698 | 68.089 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 8.085 | 8.850 | 66429 | 185368 | 0.038 | 0.036 |
| 18) Endrin Al... | 8.289 | 8.963 | 247226 | 101765 | BelowCal | 0.035 |
| 19) Endosulfa... | 0.000 | 9.151 | 0 | 24425 | N.D. | 0.008 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.764 | 9.536 | 480975 | 119.3E6 | 0.135 | 35.533 # |
| 23) Hexachlor... | 3.048 | 3.534 | 194.6E6 | 231.1E6 | 51.456 | 52.545 |
| 24) Hexachlor... | 5.657 | 6.313 | 169.2E6 | 162.6E6 | 53.491 | 52.946 |
| 25) Oxychlorane | 7.135 | 7.775 | 173.2E6 | 163.2E6 | 53.714 | 53.481 |
| 26) 2,4'-DDE | 7.213 | 7.984 | 119.2E6 | 120.9E6 | 49.826 | 53.481 |
| 27) trans-Non... | 7.391 | 8.050 | 190.6E6 | 190.4E6 | 54.116 | 56.007 |
| 28) 2,4'-DDD | 7.586 | 8.358 | 102.3E6 | 106.3E6 | 52.592 | 51.140 |
| 29) 2,4'-DDT | 7.769 | 8.581 | 109.5E6 | 118.3E6 | 56.767 | 57.654 |
| 30) cis-Nonac... | 7.861 | 8.617 | 204.6E6 | 202.9E6 | 49.751 | 50.775 |
| 31) Mirex | 8.527 | 9.536 | 123.3E6 | 119.3E6 | 50.075 | 51.981 |
| 32) Chlordane... | 7.302 | 7.984 | 2872134 | 120.9E6 | 6.953 | 279.043 # |
| 33) Chlordane... | 7.391 | 8.095 | 190.6E6 | 6554015 | 370.540 | 17.964 # |
| 34) Chlordane... | 0.000 | 8.774 | 0 | 1617523 | N.D. | 13.561 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.391 | 8.358f | 190.6E6 | 106.3E6 | 9932.520 | 3239.056 # |
| 37) Toxaphene... | 7.672 | 0.000 | 713651 | 0 | 18.994 | N.D. # |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 39) Toxaphene... | 8.195f | 8.774 | 1546673 | 1617523 | 15.914 | BelowCal # |
| 40) Toxaphene... | 0.000 | 8.963 | 0 | 101765 | N.D. | 1.733 # |
| 41) Toxaphene... | 8.527 | 0.000 | 123.3E6 | 0 | 1671.470 | N.D. # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:38
Operator : MJB
Sample : 0F06008-ICV2
Misc : A20C360, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 23:50
 Operator : MJB
 Sample : 0F06008-IBL3
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:41:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 Last Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Clean
 MJB
 6/7/20

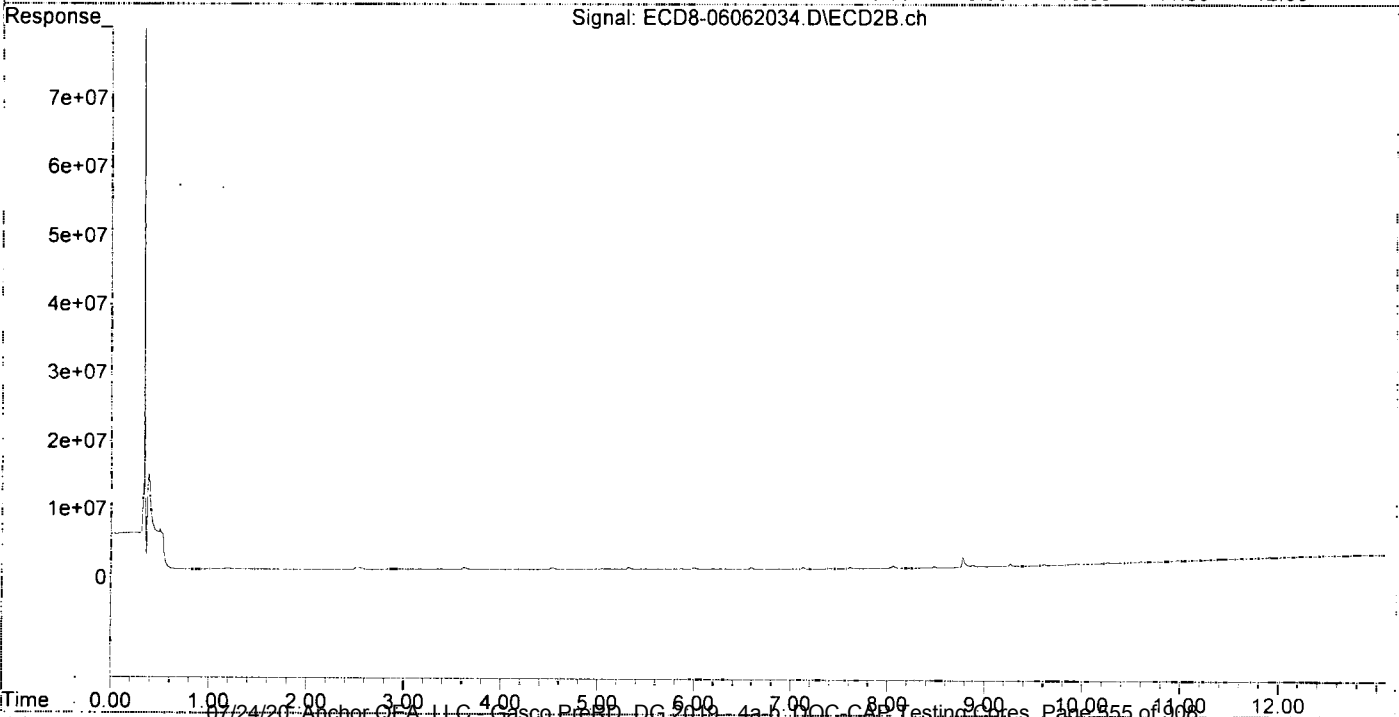
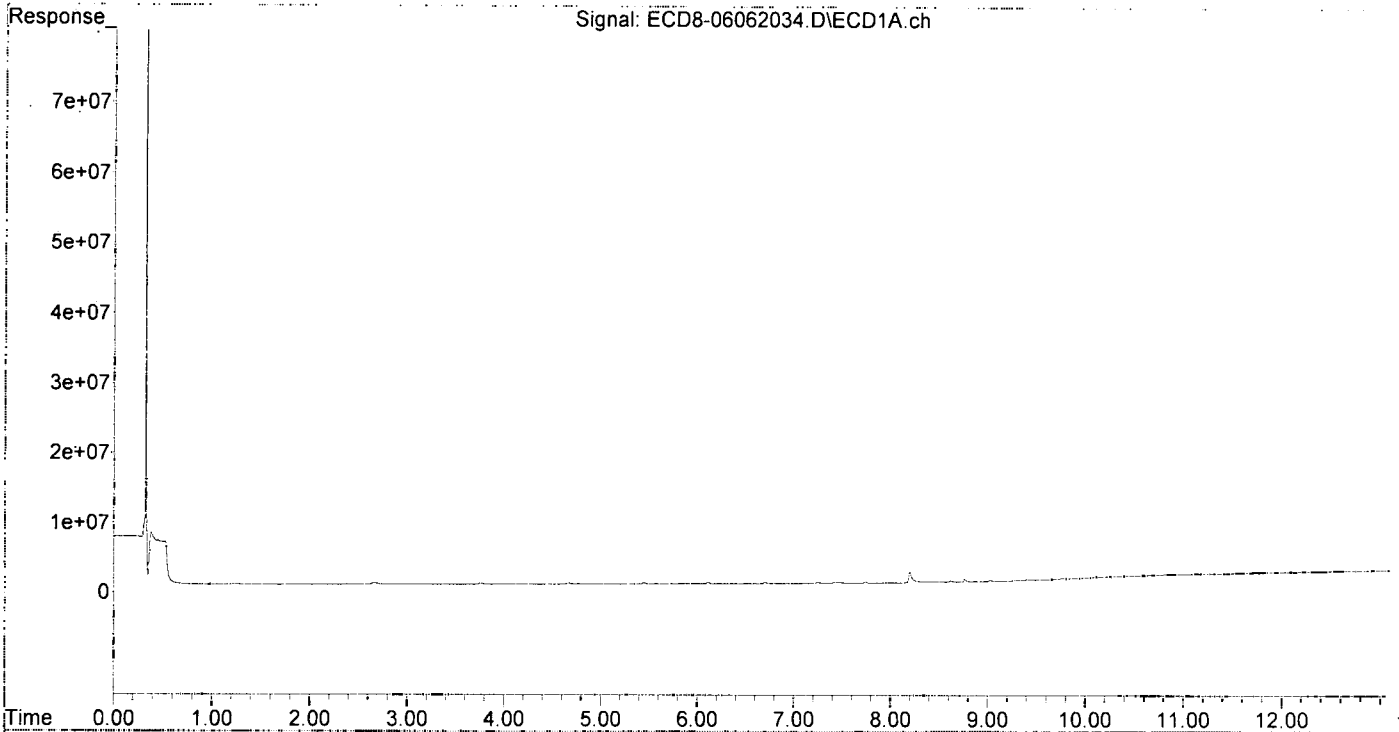
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.844 | 0 | 15134 | N.D. | 0.004 # |
| 2) S DCBP (S) | 9.481 | 10.389 | 28358 | 21381 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.816 | 6.435 | 37201 | 23327 | 0.008 | 0.005 # |
| 3) g-BHC | 6.109 | 0.000 | 167300 | 0 | 0.039 | N.D. # |
| 4) b-BHC | 6.175 | 6.841 | 15531 | 35561 | 0.009 | 0.019 # |
| 5) Heptachlor | 0.000 | 7.127 | 0 | 232372 | N.D. | 0.055 # |
| 6) d-BHC | 6.326 | 7.127f | 6287 | 232372 | 0.035 | 0.098 # |
| 7) Aldrin | 6.706f | 7.412 | 173932 | 14883 | 0.040 | 0.004 # |
| 8) Heptachlo... | 0.000 | 7.861 | 0 | 18619 | N.D. | 0.005 # |
| 9) trans-Chl... | 7.301 | 7.984 | 30926 | 28507 | 0.008 | 0.007 |
| 10) cis-Chlor... | 7.430f | 8.060f | 125819 | 324357 | BelowCal | 0.087 |
| 11) Endosulfa... | 7.506 | 8.137 | 38718 | 23856 | 0.011 | 0.007 # |
| 12) 4,4'-DDE | 7.454 | 8.212 | 101808 | 8081 | 0.028 | 0.008 # |
| 13) Dieldrin | 0.000 | 8.353 | 0 | 10002 | N.D. | 0.003 # |
| 14) Endrin | 7.827 | 8.581 | 9215 | 15733 | 0.003 | 0.005 # |
| 15) 4,4'-DDD | 7.859f | 8.627 | 11029 | 11185 | 0.004 | BelowCal # |
| 16) Endosulfa... | 7.990 | 8.719 | 14318 | 23420 | 0.005 | 0.008 # |
| 17) 4,4'-DDT | 8.083 | 8.882f | 14404 | 315359 | 0.016 | 0.089 # |
| 18) Endrin Al... | 8.279 | 8.957 | 181157 | 109389 | BelowCal | 0.038 |
| 19) Endosulfa... | 8.583 | 9.150 | 13759 | 29048 | 0.005 | 0.010 # |
| 20) Methoxychlor | 0.000 | 9.335 | 0 | 15782 | N.D. | BelowCal |
| 21) Endrin Ke... | 8.763 | 9.550 | 437445 | 29053 | 0.123 | 0.009 # |
| 23) Hexachlor... | 3.046 | 3.536 | 22448 | 19275 | BelowCal | BelowCal |
| 24) Hexachlor... | 0.000 | 6.302 | 0 | 47356 | N.D. | BelowCal |
| 25) Oxychlordane | 0.000 | 7.772 | 0 | 8886 | N.D. | BelowCal |
| 26) 2,4'-DDE | 7.248f | 7.984 | 172267 | 28507 | 0.072 | BelowCal # |
| 27) trans-Non... | 7.430f | 8.060 | 125819 | 324357 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.560f | 8.353 | 13934 | 10002 | BelowCal | 0.005 |
| 29) 2,4'-DDT | 7.736f | 8.581 | 157342 | 15733 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.859 | 8.612 | 11029 | 15006 | 0.003 | 0.004 # |
| 31) Mirex | 8.525 | 9.527 | 14497 | 8160 | BelowCal | BelowCal |
| 32) Chlordane... | 7.301 | 7.984 | 30926 | 28507 | 0.075 | 0.066 |
| 33) Chlordane... | 7.430f | 8.060f | 125819 | 324357 | 0.245 | 0.889 # |
| 34) Chlordane... | 7.950 | 8.776f | 21316 | 1429068 | 0.165 | 11.981 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 0.000 | 8.308 | 0 | 19080 | N.D. | 0.581 # |
| 37) Toxaphene... | 0.000 | 8.674 | 0 | 5170 | N.D. | 0.121 # |
| 38) Toxaphene... | 7.974 | 8.719 | 10252 | 23420 | 0.141 | 0.371 # |
| 39) Toxaphene... | 8.198f | 8.776 | 1548298 | 1429068 | 15.941 | BelowCal # |
| 40) Toxaphene... | 8.484f | 8.957 | 13279 | 109389 | 0.255 | 1.863 # |
| 41) Toxaphene... | 8.525 | 9.335 | 14497 | 15782 | 0.196 | 0.246 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:50
Operator : MJB
Sample : 0F06008-IBL3
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 00:06
 Operator : MJB
 Sample : 0F06008-ICV3
 Misc : A20F062, CHOLR 500 ppb
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:41:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

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| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.268 | 5.858 | 118341 | 106616 | 0.032 | 0.030 |
| 22) S DCBP (S) | 9.488 | 10.407 | 332774 | 44590 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.800 | 6.479f | 97714 | 3866664 | 0.020 | 0.811 # |
| 3) g-BHC | 6.112 | 6.777 | 327667 | 2303861 | 0.077 | 0.540 # |
| 4) b-BHC | 6.170 | 6.845 | 573527 | 223894 | 0.318 | 0.122 # |
| 5) Heptachlor | 6.505 | 7.141 | 91273094 | 94632680 | 23.086 | 22.333 |
| 6) d-BHC | 6.315 | 7.078 | 1317299 | 594458 | 0.419 | 0.196 # |
| 7) Aldrin | 6.748 | 7.415 | 1407794 | 1032501 | 0.326 | 0.257 |
| 8) Heptachlo... | 7.216 | 7.865 | 15794683 | 4981292 | 3.997 | 1.323 # |
| 9) trans-Chl... | 7.303 | 7.985 | 212.4E6 | 220.5E6 | 52.782 | 57.750 |
| 10) cis-Chlor... | 7.396 | 8.094 | 263.0E6 | 183.6E6 | 69.086 | 49.282 # |
| 11) Endosulfa... | 7.516f | 8.163 | 5197990 | 3048005 | 1.412 | 0.899 # |
| 12) 4,4'-DDE | 7.453 | 8.214 | 6050594 | 4723993 | 1.651 | 1.432 |
| 13) Dieldrin | 7.681 | 8.344 | 6617599 | 18642920 | 1.639 | 4.835 # |
| 14) Endrin | 7.822 | 8.588 | 3469858 | 2494107 | 1.028 | 0.844 |
| 15) 4;4'-DDD | 7.861f | 8.617 | 35643996 | 35932050 | 12.492 | 13.344 |
| 16) Endosulfa... | 7.995 | 8.707 | 3945826 | 4973920 | 1.297 | 1.645 # |
| 17) 4,4'-DDT | 8.118f | 8.858 | 12007366 | 1673054 | 5.245 | 0.635 # |
| 18) Endrin Al... | 8.303f | 8.985f | 1245428 | 10228101 | 0.258 | 3.535 # |
| 19) Endosulfa... | 8.586 | 9.151 | 2492801 | 176171 | 0.844 | 0.059 # |
| 20) Methoxychlor | 8.428 | 9.327 | 1132132 | 183947 | 0.933 | BelowCal # |
| 21) Endrin Ke... | 8.768 | 9.548 | 671356 | 1887036 | 0.188 | 0.562 # |
| 23) Hexachlor... | 0.000 | 3.559f | 0 | 48760 | N.D. | BelowCal |
| 24) Hexachlor... | 5.633f | 6.287f | 716156 | 398938 | 0.044 | BelowCal # |
| 25) Oxychlorane | 7.128 | 7.788 | 1986686 | 2590491 | 0.435 | 0.670 # |
| 26) 2,4'-DDE | 7.216 | 7.985 | 15794683 | 220.5E6 | 6.599 | 92.913 # |
| 27) trans-Non... | 7.396 | 8.050 | 263.0E6 | 161.6E6 | 74.095 | 47.785 # |
| 28) 2,4'-DDD | 7.550f | 8.344 | 16141430 | 18642920 | 8.423 | 8.970 |
| 29) 2,4'-DDT | 7.790f | 8.588 | 5189040 | 2494107 | 2.686 | 1.181 # |
| 30) cis-Nonac... | 7.861 | 8.617 | 35643996 | 35932050 | 8.668 | 8.990 |
| 31) Mirex | 8.523 | 9.548 | 333075 | 1887036 | BelowCal | 0.558 |
| 32) Chlordane... | 7.303 | 7.985 | 212.4E6 | 220.5E6 | 514.126 | 509.055 |
| 33) Chlordane... | 7.396 | 8.094 | 263.0E6 | 183.6E6 | 511.099 | 503.258 |
| 34) Chlordane... | 7.944 | 8.755 | 65173883 | 59919264 | 504.139 | 502.362 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.368 | 8.303 | 30737972 | 2297259 | 1870.264 | 70.009 # |
| 37) Toxaphene... | 7.681 | 8.674 | 6617599 | 5179832 | 207.098 | 121.636 # |
| 38) Toxaphene... | 7.995 | 8.707 | 3945826 | 4973920 | 54.390 | 78.718 # |
| 39) Toxaphene... | 8.221 | 8.755 | 2894828 | 59919264 | 38.060 | 596.169 # |
| 40) Toxaphene... | 8.428 | 8.927f | 1132132 | 1110584 | 21.737 | 18.915 |
| 41) Toxaphene... | 8.523 | 9.327 | 333075 | 183947 | 4.513 | 2.863 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

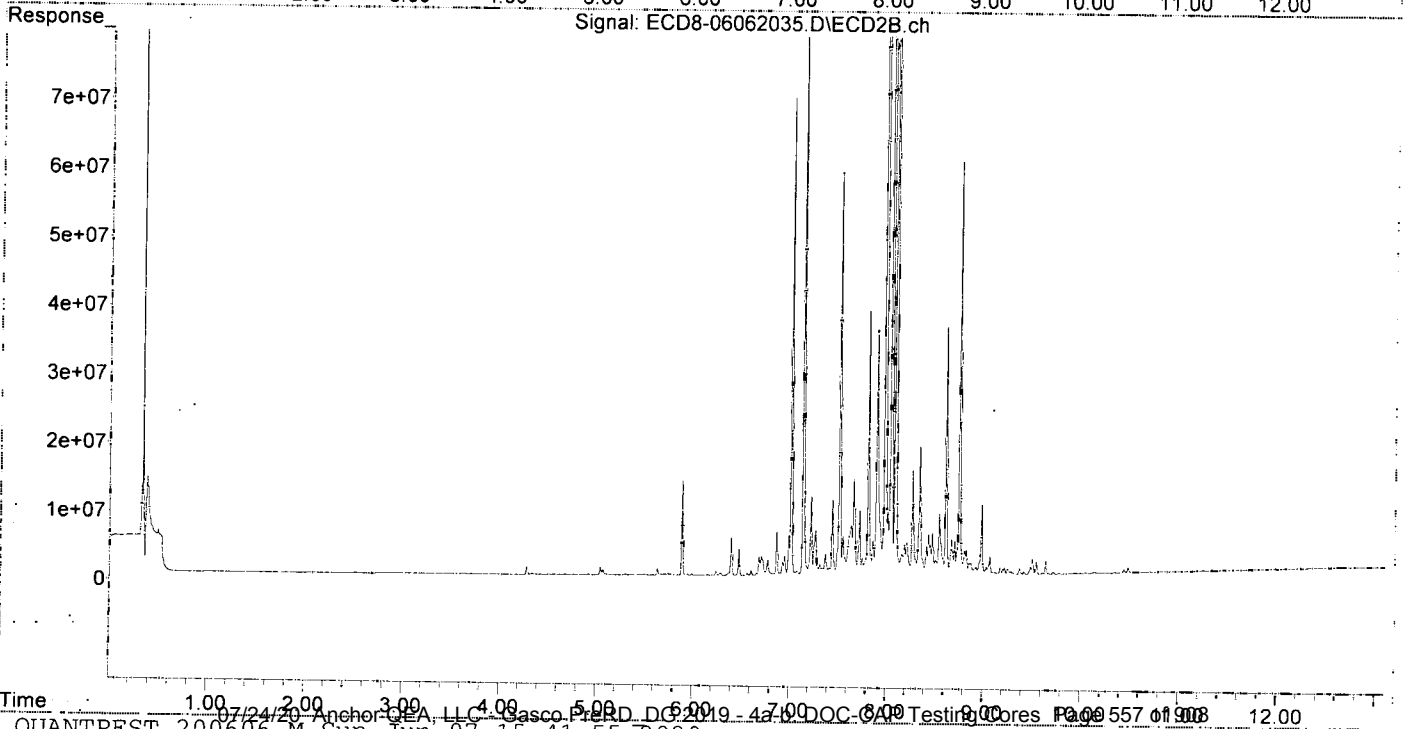
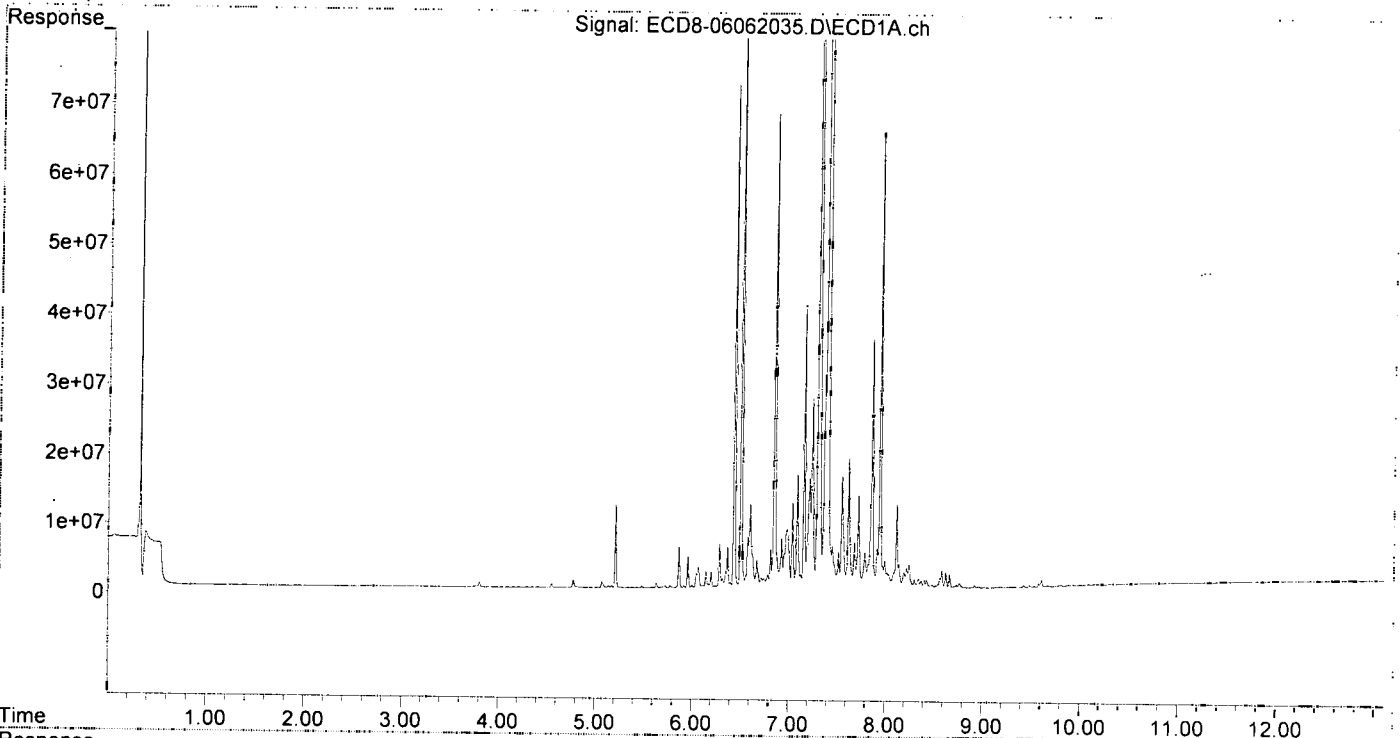
509.79 504.82

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:06
Operator : MJB
Sample : 0F06008-ICV3
Misc : A20F062, CHOLR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:54 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 2:18
 Operator : MJB
 Sample : 0F06008-IBL4
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:41:58 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

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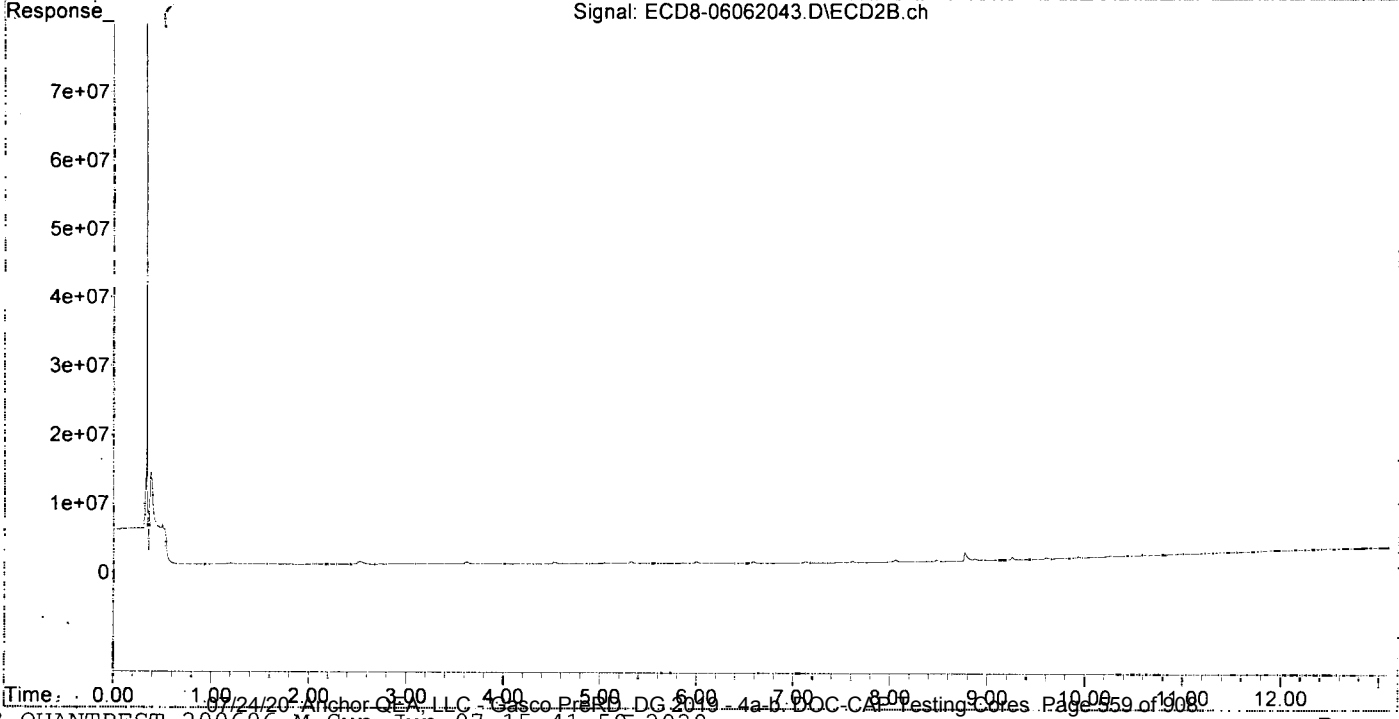
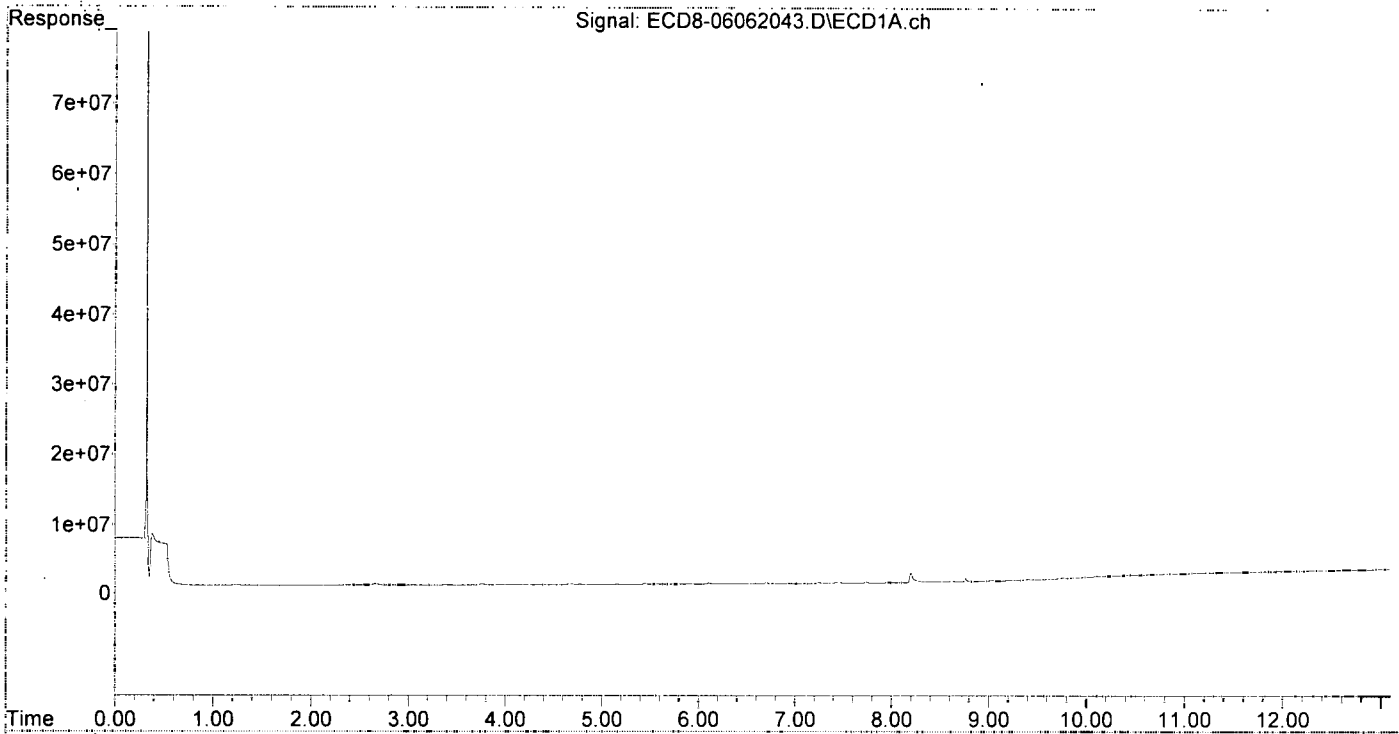
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.843 | 0 | 39475 | N.D. | 0.011 # |
| 22) S DCBP (S) | 9.480 | 10.378 | 23534 | 27577 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.815 | 6.428f | 31712 | 29237 | 0.007 | 0.006 |
| 3) g-BHC | 6.109 | 0.000 | 165210 | 0 | 0.039 | N.D. # |
| 4) b-BHC | 0.000 | 6.840 | 0 | 33118 | N.D. | 0.018 # |
| 5) Heptachlor | 0.000 | 7.124 | 0 | 231743 | N.D. | 0.055 # |
| 6) d-BHC | 6.328 | 7.089 | 12524 | 11524 | 0.037 | 0.039 |
| 7) Aldrin | 6.706f | 7.397 | 170074 | 11350 | 0.039 | 0.003 # |
| 8) Heptachlo... | 0.000 | 7.858 | 0 | 22163 | N.D. | 0.006 # |
| 9) trans-Chl... | 7.297 | 7.983 | 16463 | 15213 | 0.004 | 0.004 |
| 10) cis-Chlor... | 7.431f | 8.128f | 117685 | 30162 | BelowCal | 0.008 |
| 11) Endosulfa... | 7.471f | 8.141 | 94668 | 23719 | 0.026 | 0.007 # |
| 12) 4,4'-DDE | 7.467 | 8.202 | 96612 | 11007 | 0.026 | 0.009 # |
| 13) Dieldrin | 0.000 | 8.342 | 0 | 13238 | N.D. | 0.003 # |
| 14) Endrin | 0.000 | 8.569 | 0 | 12326 | N.D. | 0.004 # |
| 15) 4,4'-DDD | 0.000 | 8.640 | 0 | 13287 | N.D. | BelowCal |
| 16) Endosulfa... | 7.986 | 8.720 | 16324 | 19329 | 0.005 | 0.006 |
| 17) 4,4'-DDT | 8.059f | 8.879f | 13384 | 315697 | 0.015 | 0.089 # |
| 18) Endrin Al... | 8.275 | 8.953 | 232225 | 108777 | BelowCal | 0.038 |
| 19) Endosulfa... | 8.581 | 9.147 | 21337 | 28497 | 0.007 | 0.010 # |
| 20) Methoxychlor | 0.000 | 9.334 | 0 | 19975 | N.D. | BelowCal |
| 21) Endrin Ke... | 8.764 | 9.546 | 445772 | 31345 | 0.125 | 0.009 # |
| 23) Hexachlor... | 3.046 | 3.536 | 43285 | 18800 | BelowCal | BelowCal |
| 24) Hexachlor... | 0.000 | 6.315 | 0 | 43327 | N.D. | BelowCal |
| 25) Oxychlordane | 0.000 | 7.768 | 0 | 8422 | N.D. | BelowCal |
| 26) 2,4'-DDE | 7.246f | 7.983 | 170033 | 15213 | 0.071 | BelowCal # |
| 27) trans-Non... | 0.000 | 8.058 | 0 | 320653 | N.D. | BelowCal |
| 28) 2,4'-DDD | 0.000 | 8.364 | 0 | 12541 | N.D. | 0.006 # |
| 29) 2,4'-DDT | 7.741f | 8.585 | 156682 | 11096 | BelowCal | BelowCal |
| 30) cis-Nonac... | 0.000 | 8.593f | 0 | 12167 | N.D. | 0.003 # |
| 31) Mirex | 0.000 | 9.528 | 0 | 10224 | N.D. | BelowCal |
| 32) Chlordane... | 7.297 | 7.983 | 16463 | 15213 | 0.040 | 0.035 |
| 33) Chlordane... | 7.431f | 8.128f | 117685 | 30162 | 0.229 | 0.083 # |
| 34) Chlordane... | 7.948 | 8.776f | 18424 | 1293246 | 0.143 | 10.843 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 0.000 | 8.315 | 0 | 18715 | N.D. | 0.570 # |
| 37) Toxaphene... | 0.000 | 8.676 | 0 | 5543 | N.D. | 0.130 # |
| 38) Toxaphene... | 7.977 | 8.714 | 13599 | 21495 | 0.187 | 0.340 # |
| 39) Toxaphene... | 8.198f | 8.776 | 1398722 | 1293246 | 13.480 | BelowCal # |
| 40) Toxaphene... | 0.000 | 8.953 | 0 | 108777 | N.D. | 1.853 # |
| 41) Toxaphene... | 0.000 | 9.334 | 0 | 19975 | N.D. | 0.311 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:18
Operator : MJB
Sample : 0F06008-IBL4
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:58 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062044.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 2:35
 Operator : MJB
 Sample : 0F06008-ICV4
 Misc : A20F067, TOX 500 ppb
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:42:02 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|---------|----------|----------|----------|-------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.859 | 16079 | 49096 | 0.004 | 0.014 # |
| 22) S DCBP (S) | 9.474 | 10.371f | 629829 | 701789 | 0.009 | 0.108 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.814 | 6.454 | 62700 | 66019 | 0.013 | 0.014 |
| 3) g-BHC | 6.082 | 6.765 | 29315 | 105702 | 0.007 | 0.025 # |
| 4) b-BHC | 6.169 | 6.840 | 86250 | 75297 | 0.048 | 0.041 |
| 5) Heptachlor | 6.506 | 7.145 | 344329 | 330289 | 0.087 | 0.078 |
| 6) d-BHC | 6.305 | 7.084 | 98238 | 211151 | 0.062 | 0.092 # |
| 7) Aldrin | 6.745 | 7.435f | 840054 | 1053673 | 0.195 | 0.263 # |
| 8) Heptachlo... | 7.209 | 7.838 | 2934492 | 4494835 | 0.743 | 1.194 # |
| 9) trans-Chl... | 7.287 | 7.991 | 4040430 | 3753283 | 1.004 | 0.983 |
| 10) cis-Chlor... | 7.375f | 8.075 | 8114445 | 4797296 | 2.031 | 1.288 # |
| 11) Endosulfa... | 7.499 | 8.150 | 10244346 | 6713163 | 2.783 | 1.979 # |
| 12) 4,4'-DDE | 7.473 | 8.212 | 5309130 | 8259797 | 1.449 | 2.495 # |
| 13) Dieldrin | 7.669 | 8.361 | 15960679 | 8393098 | 3.954 | 2.177 # |
| 14) Endrin | 7.813 | 8.567 | 12994161 | 14105961 | 3.851 | 4.771 |
| 15) 4,4'-DDD | 7.898 | 8.619 | 14306486 | 10908682 | 5.014 | 4.111 |
| 16) Endosulfa... | 7.980 | 8.704 | 36577326 | 31106443 | 12.021 | 10.287 |
| 17) 4,4'-DDT | 8.063 | 8.831 | 31590966 | 13573201 | 13.592 | 5.371 # |
| 18) Endrin Al... | 8.269 | 8.951 | 24684001 | 30428314 | 8.836 | 10.517 |
| 19) Endosulfa... | 8.585 | 9.148 | 13760643 | 13171920 | 4.659 | 4.442 |
| 20) Methoxychlor | 8.420 | 9.329 | 11786436 | 32591300 | 10.879 | 25.845 # |
| 21) Endrin Ke... | 8.769 | 9.575f | 9846944 | 6576777 | 2.761 | 1.958 # |
| 23) Hexachlor... | 0.000 | 3.559f | 0 | 18232 | N.D. | BelowCal |
| 24) Hexachlor... | 5.693f | 6.304 | 25420 | 23625 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.138 | 7.790 | 6537999 | 3649562 | 1.879 | 1.032 # |
| 26) 2,4'-DDE | 7.209 | 7.991 | 2934492 | 3753283 | 1.226 | 1.539 # |
| 27) trans-Non... | 7.375 | 8.060 | 8114445 | 5206395 | 2.083 | 1.344 # |
| 28) 2,4'-DDD | 7.586 | 8.361 | 11298097 | 8393098 | 5.847 | 4.038 # |
| 29) 2,4'-DDT | 7.769 | 8.567 | 19095755 | 14105961 | 10.266 | 7.385 # |
| 30) cis-Nonac... | 7.856 | 8.619 | 23247040 | 10908682 | 5.654 | 2.729 # |
| 31) Mirex | 8.515 | 9.500f | 37471796 | 7130752 | 15.052 | 2.904 # |
| 32) Chlordane... | 7.287 | 7.991 | 4040430 | 3753283 | 9.782 | 8.665 |
| 33) Chlordane... | 7.375f | 8.075 | 8114445 | 4797296 | 15.771 | 13.149 |
| 34) Chlordane... | 7.920f | 8.772 | 15894513 | 53527502 | 122.949 | 448.773 # B |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.375 | 8.322 | 8114445 | 15715454 | 505.297 | 478.928 |
| 37) Toxaphene... | 7.669 | 8.670 | 15960679 | 21920897 | 505.603 | 514.759 |
| 38) Toxaphene... | 7.980 | 8.704 | 36577326 | 31106443 | 504.193 | 492.296 |
| 39) Toxaphene... | 8.222 | 8.772 | 33140217 | 53527502 | 517.625 | 535.085 |
| 40) Toxaphene... | 8.449 | 8.951 | 27542634 | 30428314 | 528.810 | 518.231 |
| 41) Toxaphene... | 8.515 | 9.329 | 37471796 | 32591300 | 507.773 | 507.291 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

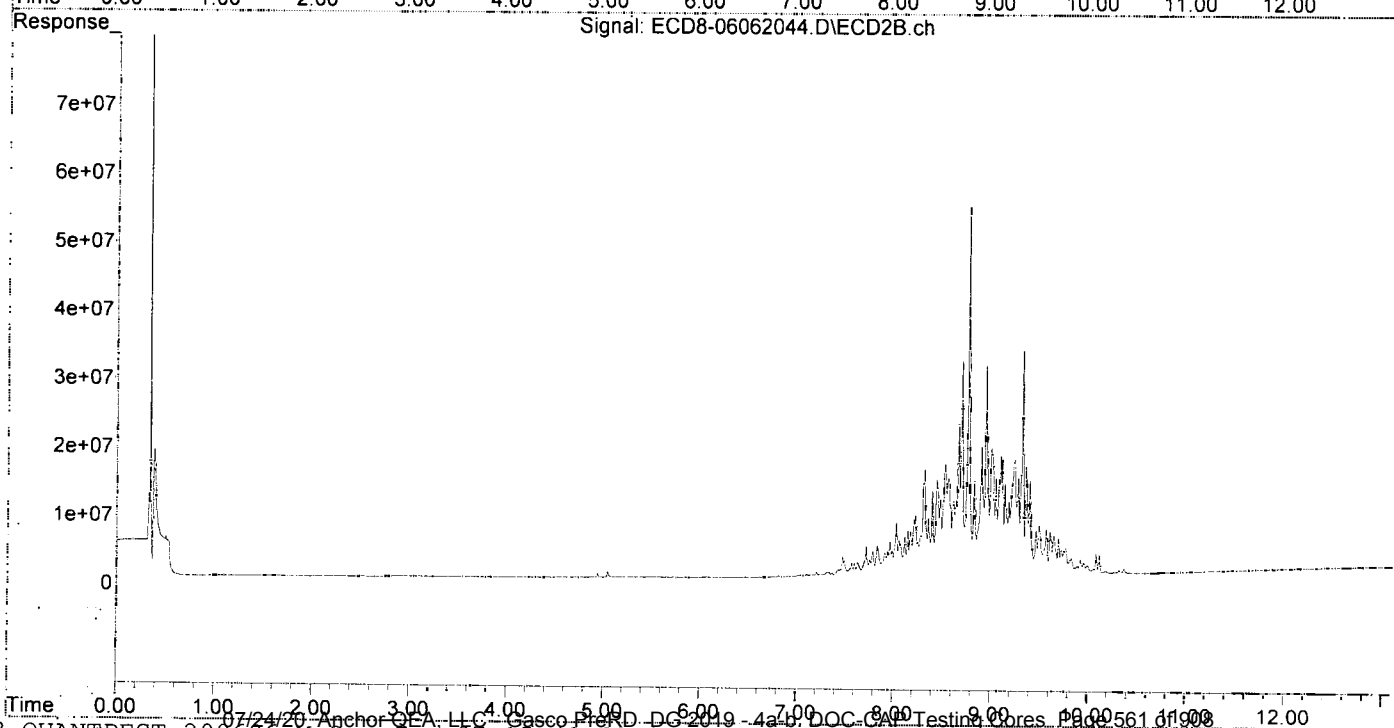
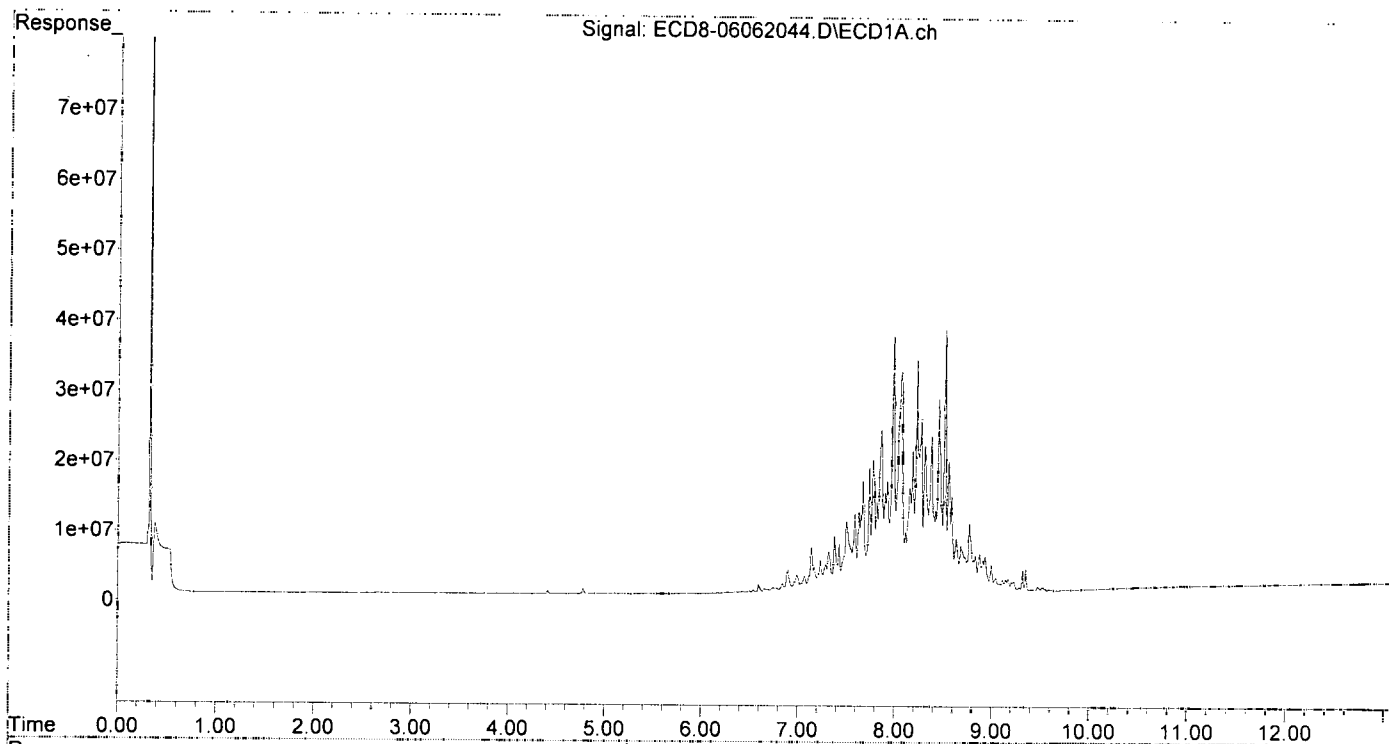
511.55 507.77

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:35
Operator : MJB
Sample : 0F06008-ICV4
Misc : A20F067, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:42:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 15:51
 Operator : MJB
 Sample : 0F06008-CAL1
 Misc : A20F080, AB 0.5 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 14:57:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

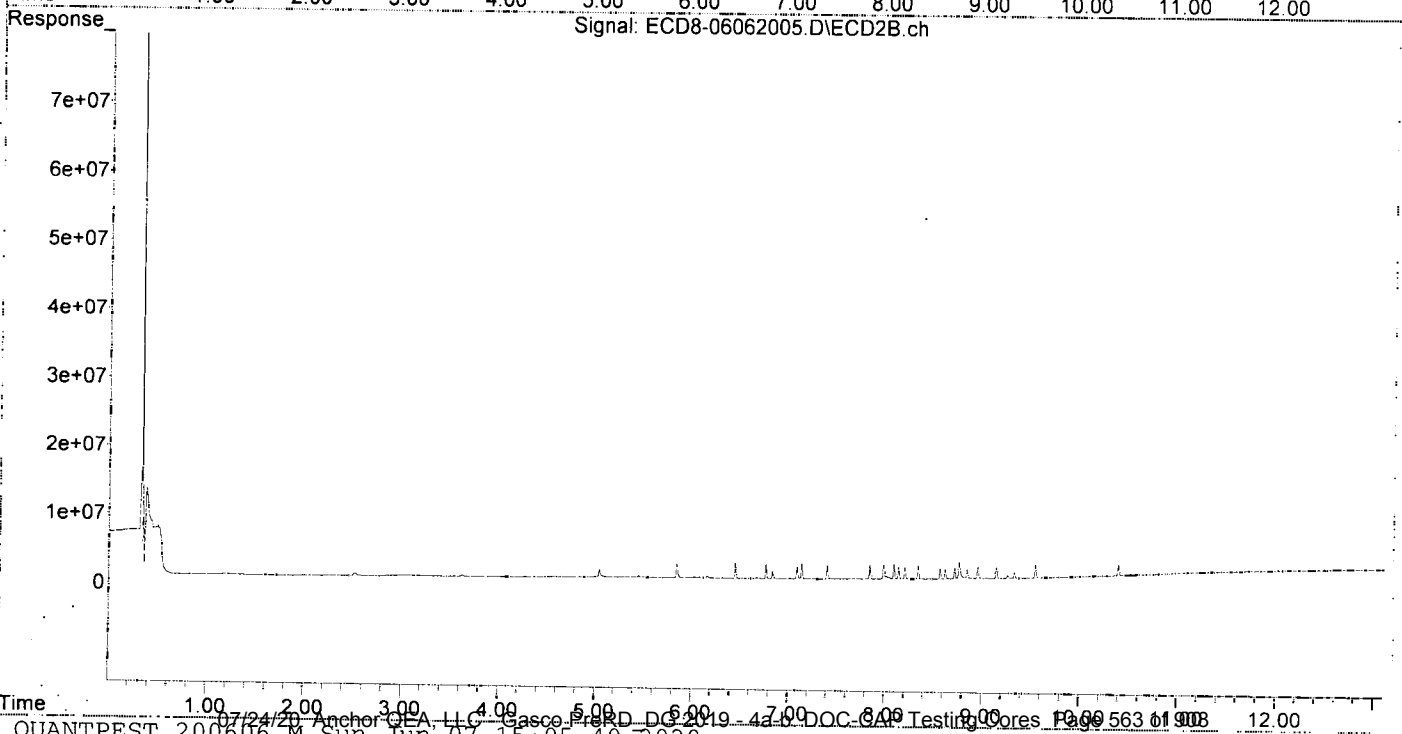
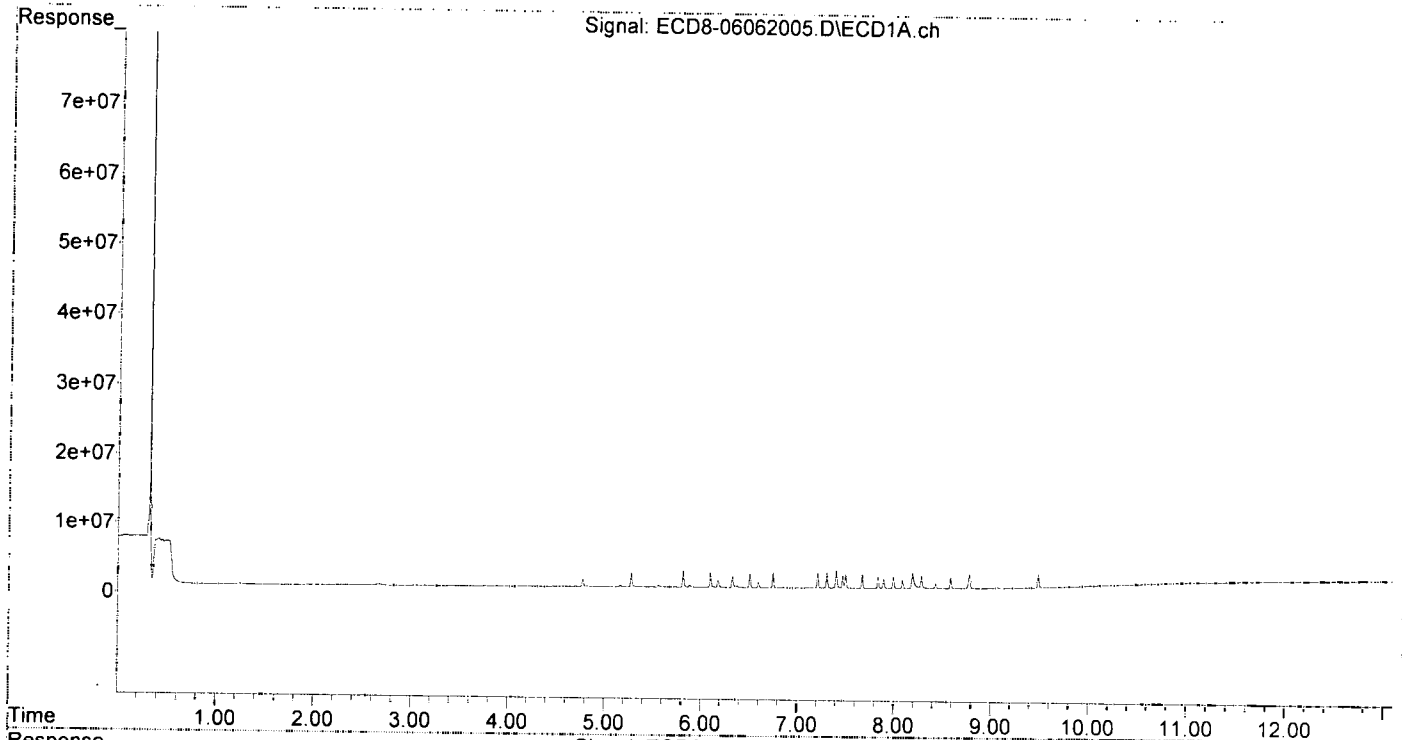
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.275 | 5.848 | 2044821 | 2041136 | 0.561 | 0.575 |
| 22) S DCBP (S) | 9.483 | 10.396 | 2013031 | 1600154 | 0.499 | 0.503 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.454 | 2436012 | 2268024 | 0.500 | 0.476 |
| 3) g-BHC | 6.095 | 6.772 | 2216617 | 2141693 | 0.519 | 0.502 |
| 4) b-BHC | 6.175 | 6.840 | 1029510 | 1069043 | 0.571 | 0.585 |
| 5) Heptachlor | 6.506 | 7.142 | 2089353 | 2287728 | 0.528 | 0.540 |
| 6) d-BHC | 6.323 | 7.093 | 1670301 | 1786163 | 0.523 | 0.516 |
| 7) Aldrin | 6.746 | 7.406 | 2216702 | 2023732 | 0.514 | 0.505 |
| 8) Heptachlo... | 7.207 | 7.847 | 2242901 | 2030251 | 0.568 | 0.539 |
| 9) trans-Chl... | 7.303 | 7.987 | 2326907 | 2136256 | 0.578 | 0.560 |
| 10) cis-Chlor... | 7.399 | 8.095 | 2588788 | 2156882 | 0.507 | 0.579 |
| 11) Endosulfa... | 7.496 | 8.144 | 2010361 | 1818776 | 0.546 | 0.536 |
| 12) 4,4'-DDE | 7.467 | 8.208 | 1831508 | 1713296 | 0.500 | 0.524 |
| 13) Dieldrin | 7.669 | 8.345 | 2088893 | 1940818 | 0.517 | 0.503 |
| 14) Endrin | 7.832 | 8.572 | 1730100 | 1544731 | 0.513 | 0.523 |
| 15) 4,4'-DDD | 7.888 | 8.625 | 1378674 | 1433465 | 0.483 | 0.524 |
| 16) Endosulfa... | 7.990 | 8.721 | 1690214 | 1615141 | 0.555 | 0.534 |
| 17) 4,4'-DDT | 8.084 | 8.851 | 1176997 | 1397421 | 0.527 | 0.524 |
| 18) Endrin Al... | 8.280 | 8.960 | 1879799 | 1718494 | 0.491 | 0.594 |
| 19) Endosulfa... | 8.581 | 9.151 | 1642508 | 1592318 | 0.556 | 0.537 |
| 20) Methoxychlor | 8.425 | 9.335 | 692268 | 797429 | 0.515 | 0.508 |
| 21) Endrin Ke... | 8.774 | 9.550 | 2113749 | 1919402 | 0.593 | 0.571 |
| 23) Hexachlor... | 0.000 | 3.535 | 0 | 62377 | N.D. | BelowCal |
| 24) Hexachlor... | 5.654 | 6.315 | 14310 | 17509 | BelowCal | BelowCal |
| 25) Oxychlordan... | 7.124 | 7.788 | 29560 | 26907 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.207 | 7.987 | 2242901 | 2136256 | 0.937 | 0.768 |
| 27) trans-Non... | 7.399 | 8.050 | 2588788 | 246480 | 0.469 | BelowCal # |
| 28) 2,4'-DDD | 0.000 | 8.345 | 0 | 1940818 | N.D. | 0.934 # |
| 29) 2,4'-DDT | 7.770 | 8.572 | 25341 | 1544731 | BelowCal | 0.667 |
| 30) cis-Nonac... | 7.862 | 8.625 | 85323 | 1433465 | 0.021 | 0.359 # |
| 31) Mirex | 8.519 | 9.550 | 60729 | 1919402 | BelowCal | 0.573 |
| 32) Chlordane... | 7.303 | 7.987 | 2326907 | 2136256 | 5.633 | 4.932 |
| 33) Chlordane... | 7.399 | 8.095 | 2588788 | 2156882 | 5.032 | 5.912 |
| 34) Chlordane... | 7.945 | 8.768 | 76504 | 2400678 | 0.592 | 20.127 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.368 | 8.345f | 55272 | 1940818 | BelowCal | 59.146 |
| 37) Toxaphene... | 7.669 | 8.669 | 2088893 | 27168 | 62.774 | 0.638 # |
| 38) Toxaphene... | 7.990 | 8.721 | 1690214 | 1615141 | 23.298 | 25.562 |
| 39) Toxaphene... | 8.187f | 8.768 | 2334081 | 2400678 | 28.857 | 8.157 # |
| 40) Toxaphene... | 8.425f | 8.960 | 692268 | 1718494 | 13.291 | 29.268 # |
| 41) Toxaphene... | 8.519 | 9.335 | 60729 | 797429 | 0.823 | 12.412 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 16:07
 Operator : MJB
 Sample : 0F06008-CAL2
 Misc : A20F081, AB 1 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 14:57:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

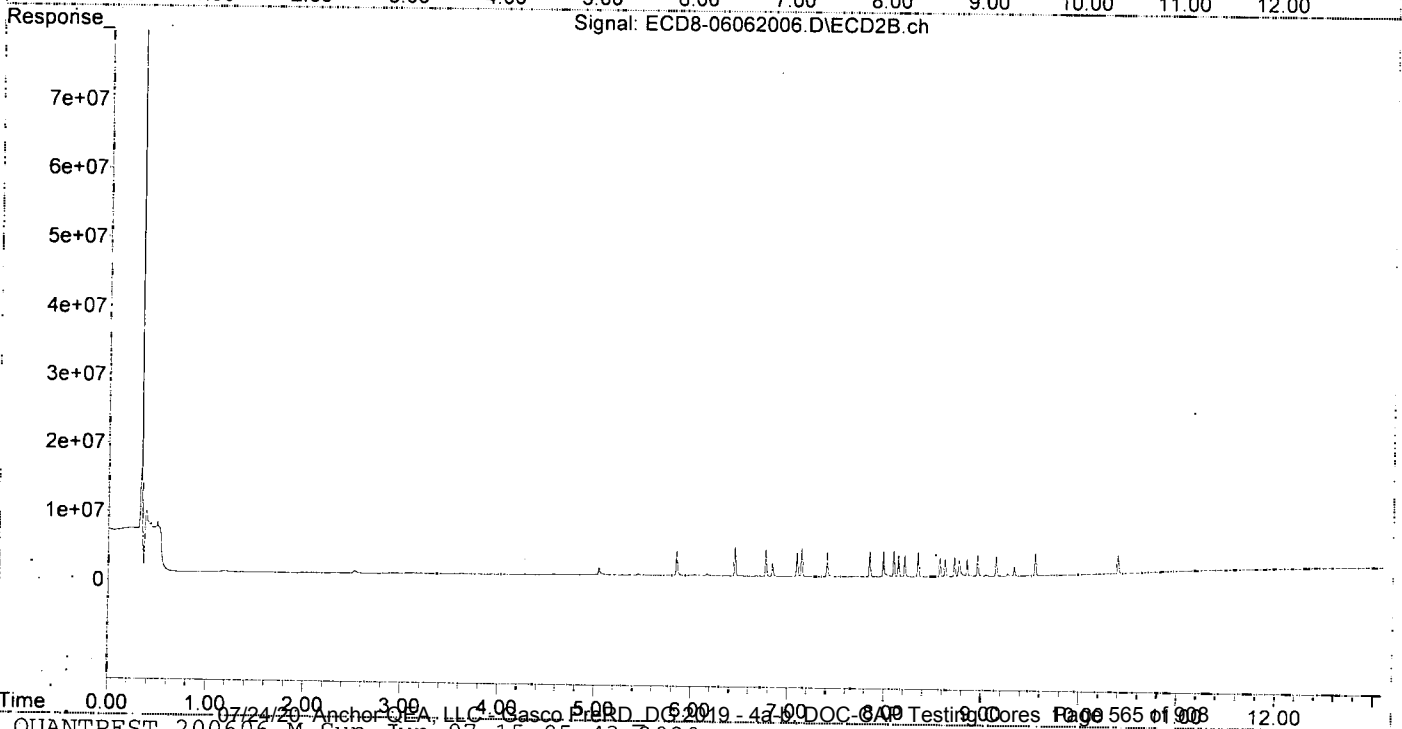
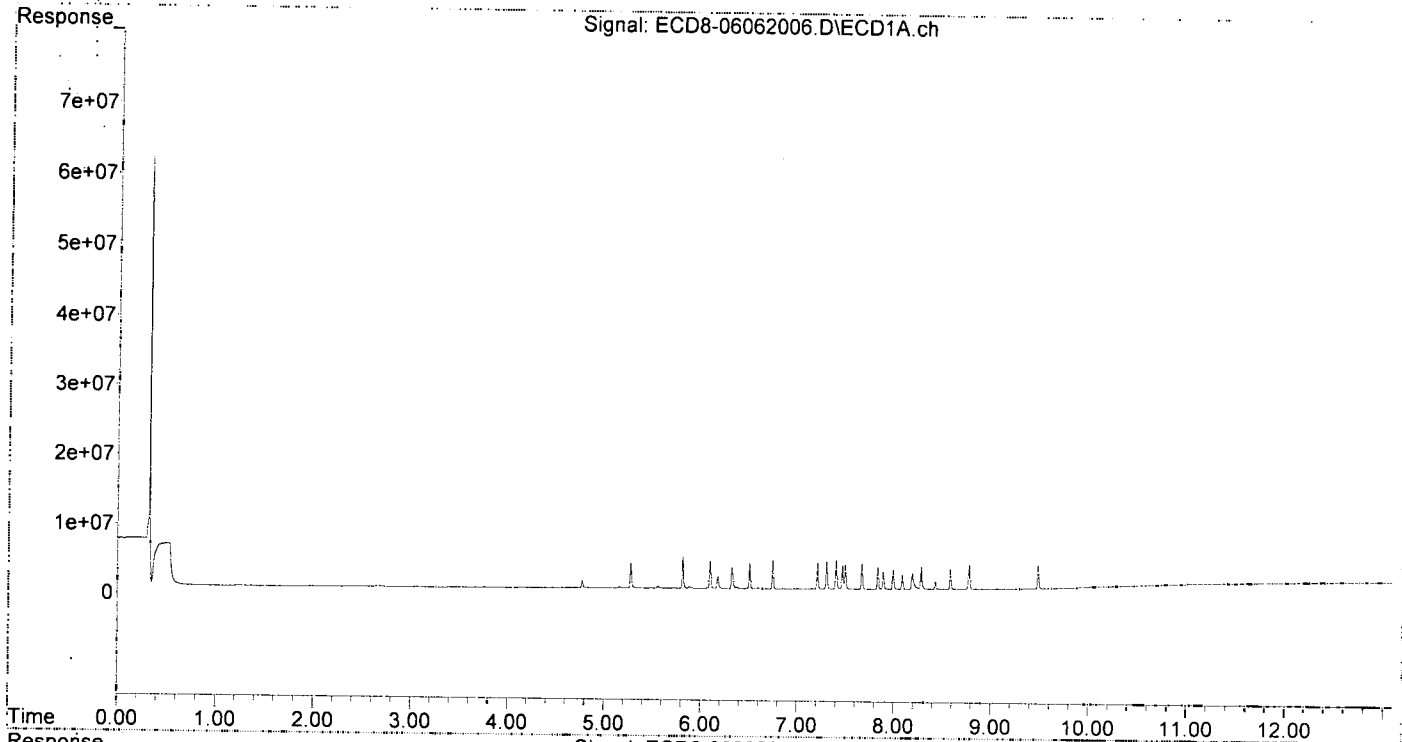
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.274 | 5.848 | 3739252 | 3664569 | 1.025 | 1.032 |
| 22) S DCBP (S) | 9.482 | 10.396 | 3476866 | 2732738 | 1.018 | 1.001 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.453 | 4659043 | 4299192 | 0.956 | 0.902 |
| 3) g-BHC | 6.095 | 6.772 | 4062836 | 3939884 | 0.951 | 0.923 |
| 4) b-BHC | 6.174 | 6.840 | 1828397 | 1906857 | 1.014 | 1.043 |
| 5) Heptachlor | 6.505 | 7.143 | 3783244 | 4131038 | 0.957 | 0.975 |
| 6) d-BHC | 6.322 | 7.093 | 3147880 | 3488504 | 0.955 | 0.974 |
| 7) Aldrin | 6.745 | 7.407 | 4211391 | 3671024 | 0.977 | 0.915 |
| 8) Heptachlo... | 7.207 | 7.847 | 3938014 | 3756308 | 0.996 | 0.998 |
| 9) trans-Chl... | 7.303 | 7.987 | 4057330 | 3714650 | 1.008 | 0.973 |
| 10) cis-Chlor... | 7.400 | 8.095 | 4334731 | 3732649 | 0.989 | 1.002 |
| 11) Endosulfa... | 7.496 | 8.144 | 3674308 | 3245203 | 0.998 | 0.957 |
| 12) 4,4'-DDE | 7.466 | 8.208 | 3469480 | 3125539 | 0.947 | 0.950 |
| 13) Dieldrin | 7.667 | 8.345 | 3834504 | 3631612 | 0.950 | 0.942 |
| 14) Endrin | 7.832 | 8.572 | 3239569 | 2729745 | 0.960 | 0.923 |
| 15) 4,4'-DDD | 7.887 | 8.625 | 2642114 | 2582156 | 0.926 | 0.962 |
| 16) Endosulfa... | 7.989 | 8.721 | 2878102 | 2841269 | 0.946 | 0.940 |
| 17) 4,4'-DDT | 8.084 | 8.851 | 2125504 | 2507300 | 0.943 | 0.970 |
| 18) Endrin Al... | 8.280 | 8.959 | 3347299 | 3154587 | 1.030 | 1.090 |
| 19) Endosulfa... | 8.581 | 9.151 | 3004760 | 2906383 | 1.017 | 0.980 |
| 20) Methoxychlor | 8.426 | 9.335 | 1188720 | 1407906 | 0.987 | 1.015 |
| 21) Endrin Ke... | 8.774 | 9.551 | 3683963 | 3294560 | 1.033 | 0.981 |
| 23) Hexachlor... | 0.000 | 3.534 | 0 | 8942 | N.D. | BelowCal |
| 24) Hexachlor... | 5.657 | 6.322 | 51039 | 52595 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.144 | 7.778 | 55388 | 23865 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.207 | 7.987 | 3938014 | 3714650 | 1.645 | 1.521 |
| 27) trans-Non... | 7.400 | 8.051 | 4334731 | 224737 | 0.979 | BelowCal # |
| 28) 2,4'-DDD | 0.000 | 8.345 | 0 | 3631612 | N.D. | 1.747 # |
| 29) 2,4'-DDT | 7.770 | 8.572 | 39470 | 2729745 | BelowCal | 1.308 |
| 30) cis-Nonac... | 7.887f | 8.625 | 2642114 | 2582156 | 0.643 | 0.646 |
| 31) Mirex | 8.522 | 9.551 | 45671 | 3294560 | BelowCal | 1.189 |
| 32) Chlordane... | 7.303 | 7.987 | 4057330 | 3714650 | 9.822 | 8.576 |
| 33) Chlordane... | 7.400 | 8.095 | 4334731 | 3732649 | 8.425 | 10.231 |
| 34) Chlordane... | 7.943 | 8.768 | 69924 | 2345422 | 0.541 | 19.664 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.369 | 8.345f | 47770 | 3631612 | BelowCal | 110.673 |
| 37) Toxaphene... | 7.667 | 8.685 | 3834504 | 19500 | 118.376 | 0.458 # |
| 38) Toxaphene... | 7.989 | 8.721 | 2878102 | 2841269 | 39.673 | 44.966 |
| 39) Toxaphene... | 8.187f | 8.768 | 2368017 | 2345422 | 29.415 | 7.544 # |
| 40) Toxaphene... | 8.426f | 8.959 | 1188720 | 3154587 | 22.823 | 53.726 # |
| 41) Toxaphene... | 8.522 | 9.335 | 45671 | 1407906 | 0.619 | 21.914 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:07
Operator : MJB
Sample : 0F06008-CAL2
Misc : A20F081, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 16:24
 Operator : MJB
 Sample : 0F06008-CAL3
 Misc : A20C178, AB 2 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 14:57:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

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

MJB
6/7/20

System Monitoring Compounds

| | | | | | | | |
|-------|----------|-------|--------|---------|---------|-------|-------|
| 1) S | TCMX (S) | 5.275 | 5.847 | 6945394 | 6272971 | 1.904 | 1.767 |
| 22) S | DCBP (S) | 9.484 | 10.396 | 6074784 | 4898047 | 1.938 | 1.951 |

Target Compounds

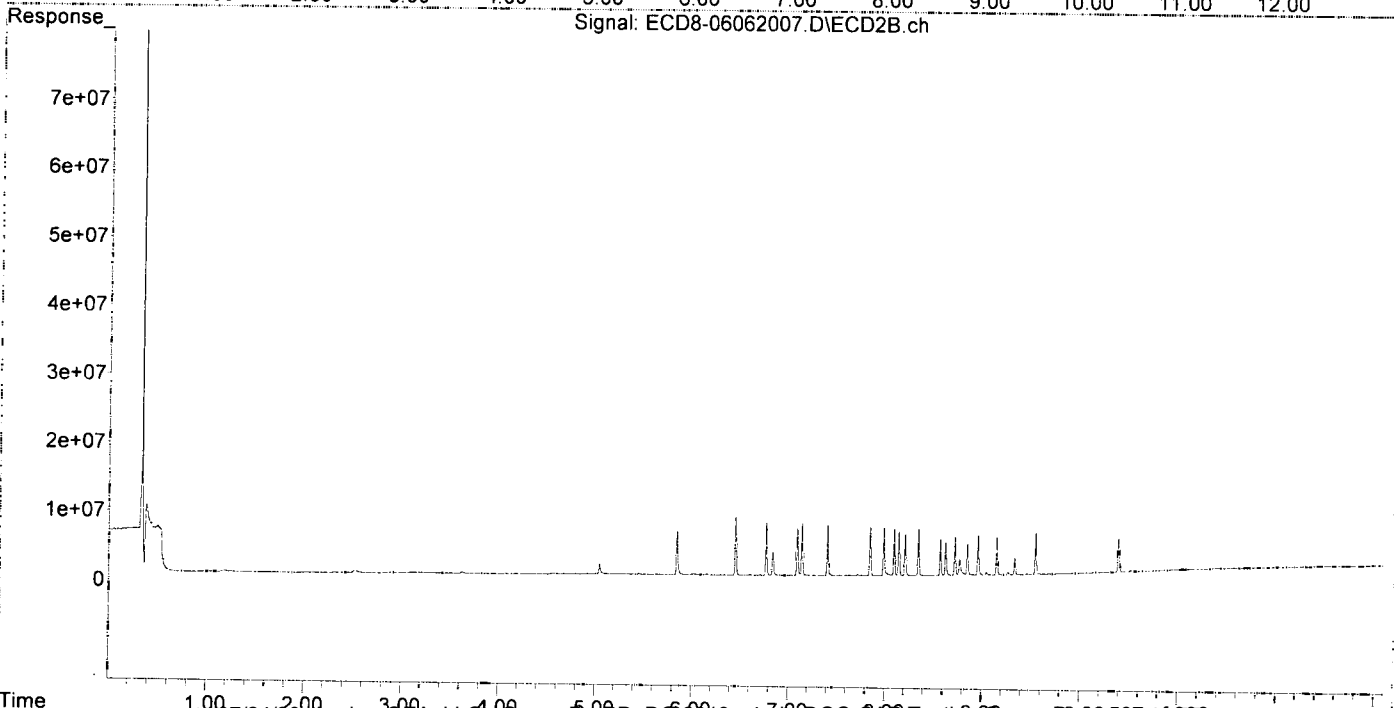
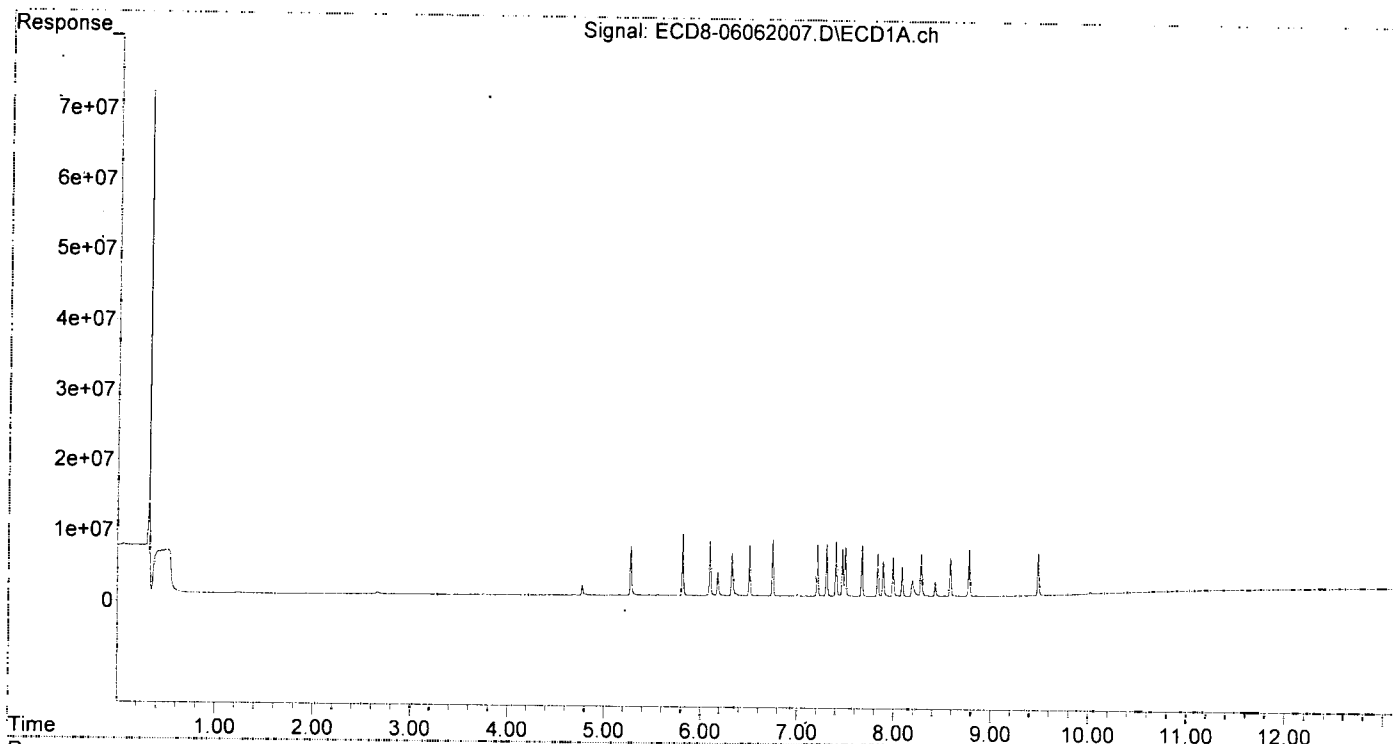
| | | | | | | | |
|-----|--------------|--------|--------|---------|---------|----------|------------|
| 2) | a-BHC | 5.813 | 6.454 | 8934865 | 8409840 | 1.833 | 1.764 |
| 3) | g-BHC | 6.095 | 6.772 | 7777680 | 7617064 | 1.821 | 1.784 |
| 4) | b-BHC | 6.174 | 6.840 | 3383841 | 3359896 | 1.877 | 1.838 |
| 5) | Heptachlor | 6.505 | 7.142 | 7189639 | 7559963 | 1.818 | 1.784 |
| 6) | d-BHC | 6.322 | 7.094 | 6132156 | 6804587 | 1.827 | 1.863 |
| 7) | Aldrin | 6.744 | 7.407 | 8035771 | 7256390 | 1.864 | 1.809 |
| 8) | Heptachlo... | 7.207 | 7.847 | 7385357 | 6966527 | 1.869 | 1.850 |
| 9) | trans-Chl... | 7.303 | 7.987 | 7502150 | 6968284 | 1.865 | 1.825 |
| 10) | cis-Chlor... | 7.401 | 8.095 | 7787006 | 6943307 | 1.941 | 1.864 |
| 11) | Endosulfa... | 7.496 | 8.144 | 6975798 | 6290523 | 1.895 | 1.854 |
| 12) | 4,4'-DDE | 7.466 | 8.208 | 6724934 | 6040045 | 1.835 | 1.828 |
| 13) | Dieldrin | 7.668 | 8.346 | 7333173 | 6890064 | 1.817 | 1.787 |
| 14) | Endrin | 7.832 | 8.573 | 6205989 | 5322724 | 1.839 | 1.800 |
| 15) | 4,4'-DDD | 7.887 | 8.626 | 5043957 | 4789098 | 1.768 | 1.800 |
| 16) | Endosulfa... | 7.989 | 8.722 | 5561746 | 5513918 | 1.828 | 1.823 |
| 17) | 4,4'-DDT | 8.084 | 8.851 | 4180058 | 4520922 | 1.842 | 1.777 |
| 18) | Endrin Al... | 8.280 | 8.960 | 6075803 | 5717746 | 2.031 | 1.976 |
| 19) | Endosulfa... | 8.582 | 9.151 | 5464489 | 5480703 | 1.850 | 1.848 |
| 20) | Methoxychlor | 8.426 | 9.335 | 2083992 | 2395626 | 1.835 | 1.834 |
| 21) | Endrin Ke... | 8.775 | 9.550 | 6682577 | 6009531 | 1.874 | 1.789 |
| 23) | Hexachlor... | 0.000 | 3.537 | 0 | 54259 | N.D. | BelowCal |
| 24) | Hexachlor... | 5.655 | 6.313 | 34388 | 27178 | BelowCal | BelowCal |
| 25) | Oxychlorane | 7.142 | 7.775 | 39397 | 18453 | BelowCal | BelowCal |
| 26) | 2,4'-DDE | 7.207 | 7.987 | 7385357 | 6968284 | 3.086 | 3.067 |
| 27) | trans-Non... | 7.401 | 8.047 | 7787006 | 176023 | 1.987 | BelowCal # |
| 28) | 2,4'-DDD | 0.000 | 8.346 | 0 | 6890064 | N.D. | 3.315 # |
| 29) | 2,4'-DDT | 7.771 | 8.573 | 60372 | 5322724 | BelowCal | 2.706 |
| 30) | cis-Nonac... | 7.887f | 8.626 | 5043957 | 4789098 | 1.227 | 1.198 |
| 31) | Mirex | 8.530 | 9.550 | 54620 | 6009531 | BelowCal | 2.403 |
| 32) | Chlordane... | 7.303 | 7.987 | 7502150 | 6968284 | 18.162 | 16.088 |
| 33) | Chlordane... | 7.401 | 8.095 | 7787006 | 6943307 | 15.135 | 19.031 # |
| 34) | Chlordane... | 0.000 | 8.769 | 0 | 2318766 | N.D. | 19.440 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.401f | 8.346f | 7787006 | 6890064 | 484.953 | 209.975 # |
| 37) | Toxaphene... | 7.668 | 8.692f | 7333173 | 25282 | 229.924 | 0.594 # |
| 38) | Toxaphene... | 7.989 | 8.692 | 5561746 | 25282 | 76.665 | 0.400 # |
| 39) | Toxaphene... | 8.189f | 8.769 | 2318935 | 2318766 | 28.623 | 7.249 # |
| 40) | Toxaphene... | 8.426f | 8.960 | 2083992 | 5717746 | 40.012 | 97.380 # |
| 41) | Toxaphene... | 8.530 | 9.335 | 54620 | 2395626 | 0.740 | 37.288 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:24
Operator : MJB
Sample : 0F06008-CAL3
Misc : A20C178, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 16:40
 Operator : MJB
 Sample : 0F06008-CAL4
 Misc : A20C179, AB 5 ppb
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 14:57:45 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

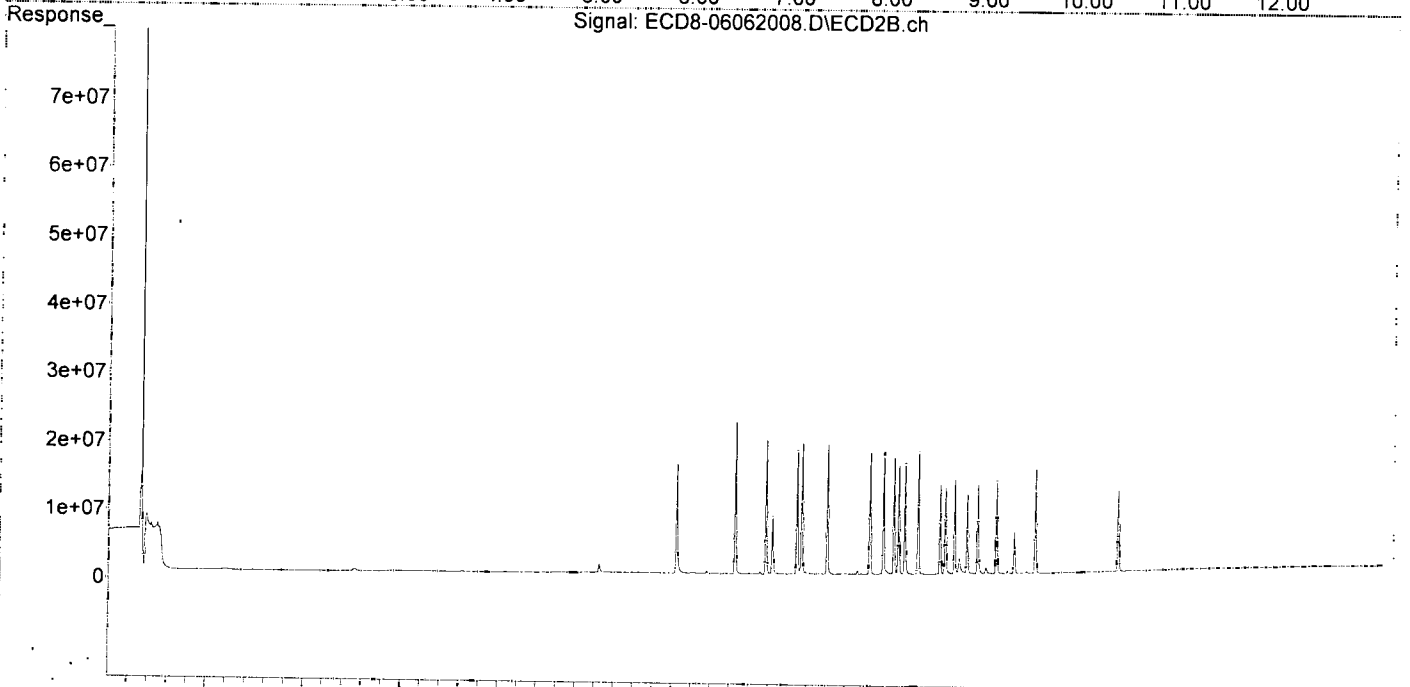
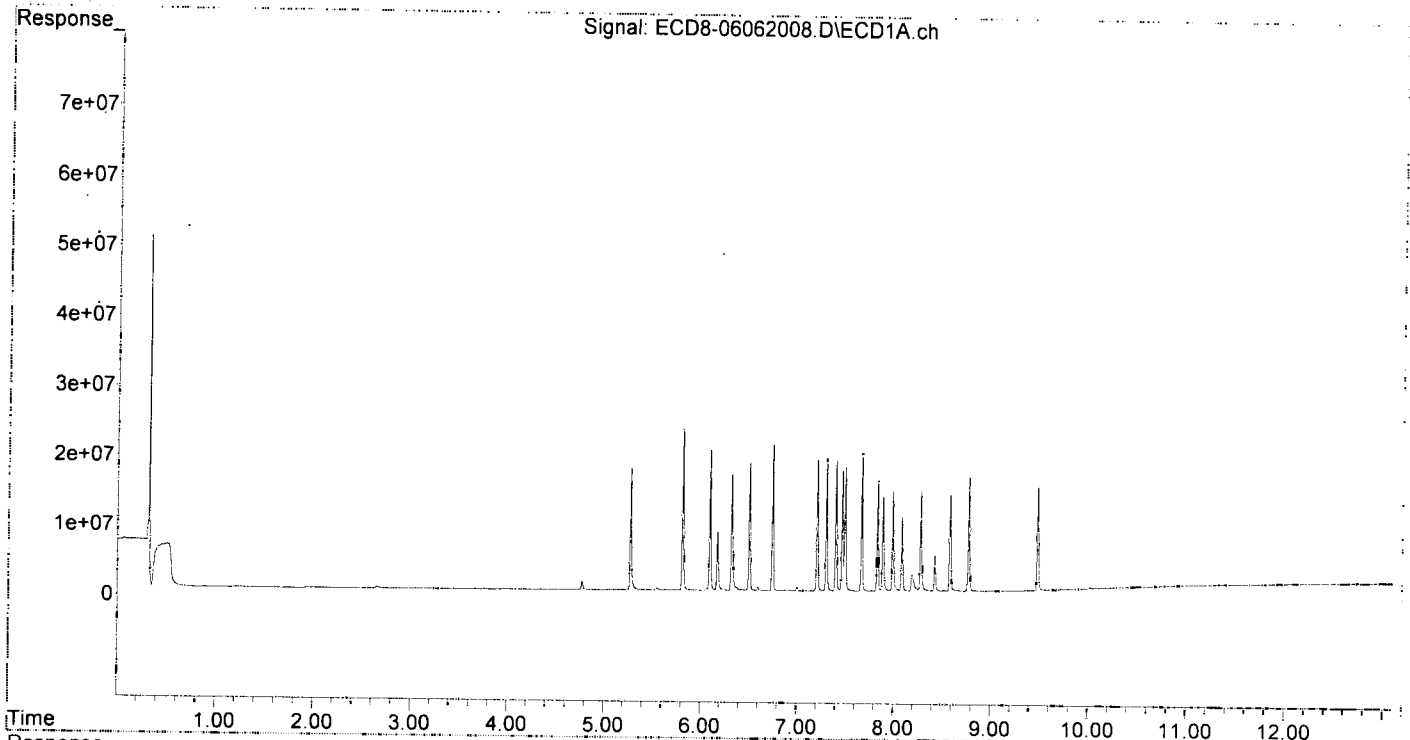
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------------|--------|--------|----------|----------|----------|-----------|
| System Monitoring Compounds | | | | | | | |
| 1) | S TCMX (S) | 5.275 | 5.847 | 17495230 | 15921287 | 4.797 | 4.485 |
| 22) | S DCBP (S) | 9.482 | 10.396 | 14798076 | 11787774 | 5.026 | 4.962 |
| Target Compounds | | | | | | | |
| 2) | a-BHC | 5.813 | 6.454 | 23225137 | 22206764 | 4.766 | 4.659 |
| 3) | g-BHC | 6.096 | 6.772 | 20386349 | 19587830 | 4.774 | 4.588 |
| 4) | b-BHC | 6.174 | 6.839 | 8436819 | 8320126 | 4.679 | 4.552 |
| 5) | Heptachlor | 6.505 | 7.143 | 18362337 | 19197024 | 4.644 | 4.530 |
| 6) | d-BHC | 6.322 | 7.093 | 16669350 | 18089354 | 4.882 | 4.869 |
| 7) | Aldrin | 6.745 | 7.407 | 21091004 | 18962649 | 4.891 | 4.729 |
| 8) | Heptachlo... | 7.207 | 7.847 | 18818515 | 17690437 | 4.762 | 4.699 |
| 9) | trans-Chl... | 7.303 | 7.987 | 18917580 | 17725122 | 4.702 | 4.642 |
| 10) | cis-Chlor... | 7.400 | 8.095 | 18629592 | 17001909 | 4.923 | 4.563 |
| 11) | Endosulfa... | 7.496 | 8.143 | 17772028 | 15814187 | 4.828 | 4.662 |
| 12) | 4,4'-DDE | 7.466 | 8.208 | 17307228 | 16121059 | 4.722 | 4.844 |
| 13) | Dieldrin | 7.668 | 8.345 | 19819324 | 17792473 | 4.910 | 4.615 |
| 14) | Endrin | 7.832 | 8.572 | 15732638 | 13228080 | 4.662 | 4.474 |
| 15) | 4,4'-DDD | 7.887 | 8.625 | 13513169 | 12540904 | 4.736 | 4.723 |
| 16) | Endosulfa... | 7.989 | 8.721 | 14310412 | 13915949 | 4.703 | 4.602 |
| 17) | 4,4'-DDT | 8.084 | 8.850 | 10621630 | 11640318 | 4.645 | 4.608 |
| 18) | Endrin Al... | 8.280 | 8.960 | 14148113 | 12986736 | 4.988 | 4.489 |
| 19) | Endosulfa... | 8.581 | 9.151 | 13776582 | 13495919 | 4.665 | 4.552 |
| 20) | Methoxychlor | 8.425 | 9.335 | 5153462 | 5959726 | 4.725 | 4.771 |
| 21) | Endrin Ke... | 8.774 | 9.551 | 16411692 | 15133071 | 4.601 | 4.506 |
| 23) | Hexachlor... | 3.045 | 3.536 | 55224 | 16692 | BelowCal | BelowCal |
| 24) | Hexachlor... | 5.657 | 6.341f | 41668 | 63473 | BelowCal | BelowCal |
| 25) | Oxychlorane | 7.144 | 7.755 | 99965 | 113402 | BelowCal | BelowCal |
| 26) | 2,4'-DDE | 7.207 | 7.987 | 18818515 | 17725122 | 7.863 | 8.130 |
| 27) | trans-Non... | 7.400 | 0.000 | 18629592 | 0 | 5.146 | N.D. # |
| 28) | 2,4'-DDD | 0.000 | 8.345 | 0 | 17792473 | N.D. | 8.561 # |
| 29) | 2,4'-DDT | 7.771 | 8.572 | 117256 | 13228080 | BelowCal | 6.921 |
| 30) | cis-Nonac... | 7.887f | 8.625 | 13513169 | 12540904 | 3.286 | 3.138 |
| 31) | Mirex | 8.529 | 9.551 | 114293 | 15133071 | BelowCal | 6.475 |
| 32) | Chlordane... | 7.303 | 7.987 | 18917580 | 17725122 | 45.798 | 40.922 |
| 33) | Chlordane... | 7.400 | 8.095 | 18629592 | 17001909 | 36.209 | 46.601 # |
| 34) | Chlordane... | 0.000 | 8.768 | 0 | 2290454 | N.D. | 19.203 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. # |
| 36) | Toxaphene... | 7.400f | 8.345f | 18629592 | 17792473 | 1149.403 | 542.225 # |
| 37) | Toxaphene... | 7.668 | 0.000 | 19819324 | 0 | 629.183 | N.D. # |
| 38) | Toxaphene... | 7.989 | 8.721 | 14310412 | 13915949 | 197.259 | 220.236 |
| 39) | Toxaphene... | 8.190f | 8.768 | 2388939 | 2290454 | 29.758 | 6.935 # |
| 40) | Toxaphene... | 8.425f | 8.960 | 5153462 | 12986736 | 98.945 | 221.180 # |
| 41) | Toxaphene... | 8.529 | 9.335 | 114293 | 5959726 | 1.549 | 92.765 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:40
Operator : MJB
Sample : 0F06008-CAL4
Misc : A20C179, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 16:57
 Operator : MJB
 Sample : 0F06008-CAL5
 Misc : A20C180, AB 10 ppb
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 14:57:55 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

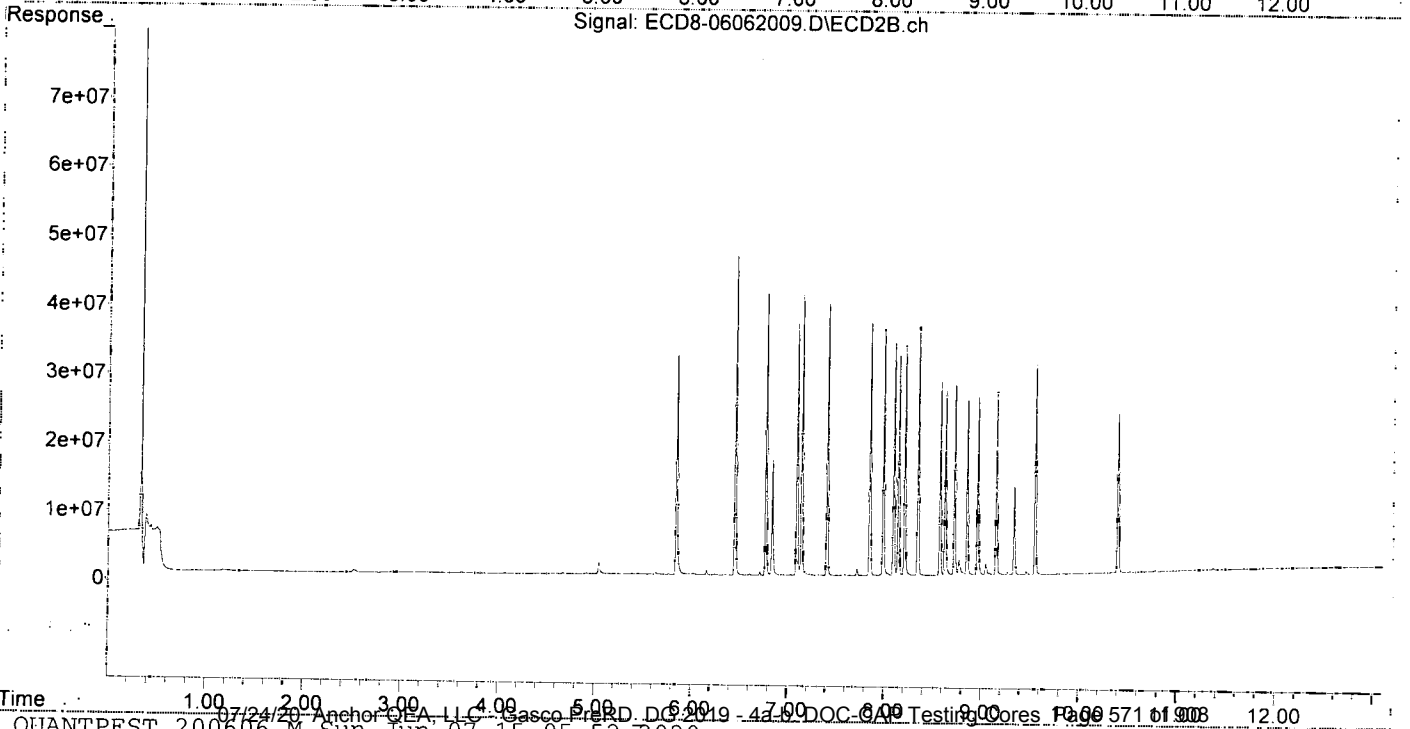
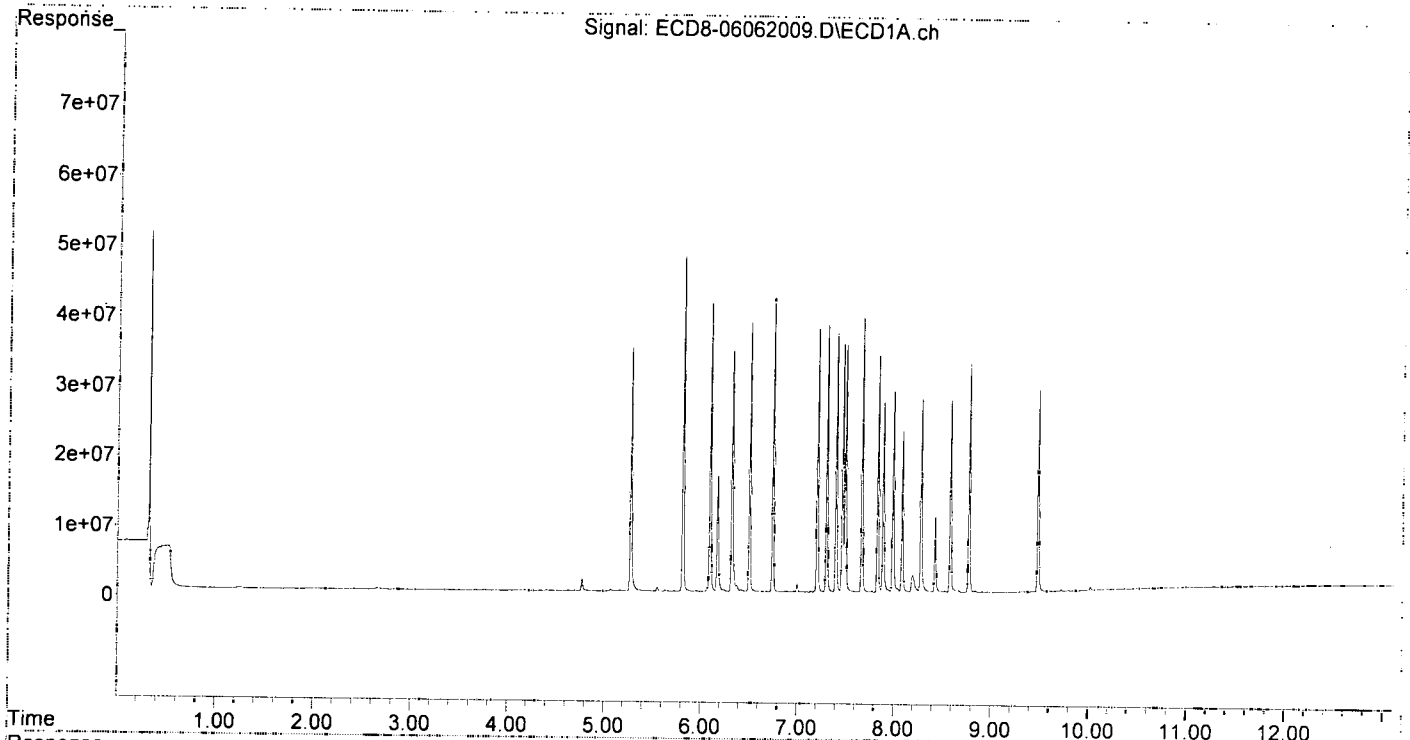
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.273 | 5.847 | 34986950 | 31872820 | 9.593 | 8.978 |
| 22) S DCBP (S) | 9.483 | 10.396 | 28954755 | 23132623 | 10.028 | 9.885 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.812 | 6.454 | 47943397 | 46280849 | 9.838 | 9.710 |
| 3) g-BHC | 6.094 | 6.771 | 41307256 | 41024069 | 9.673 | 9.610 |
| 4) b-BHC | 6.172 | 6.839 | 16563915 | 16779314 | 9.186 | 9.180 |
| 5) Heptachlor | 6.504 | 7.142 | 38643124 | 40579127 | 9.774 | 9.576 |
| 6) d-BHC | 6.320 | 7.092 | 34529136 | 36570640 | 9.989 | 9.727 |
| 7) Aldrin | 6.744 | 7.406 | 42114836 | 39449401 | 9.767 | 9.837 |
| 8) Heptachlo... | 7.205 | 7.847 | 37803310 | 36710294 | 9.566 | 9.751 |
| 9) trans-Chl... | 7.301 | 7.987 | 38218074 | 35657796 | 9.499 | 9.339 |
| 10) cis-Chlor... | 7.399 | 8.095 | 37114363 | 33781008 | 9.978 | 9.067 |
| 11) Endosulfa... | 7.494 | 8.144 | 35620792 | 31874483 | 9.677 | 9.397 |
| 12) 4,4'-DDE | 7.465 | 8.207 | 35702721 | 33337311 | 9.741 | 9.924 |
| 13) Dieldrin | 7.667 | 8.345 | 39283290 | 36020428 | 9.732 | 9.343 |
| 14) Endrin | 7.831 | 8.573 | 33821953 | 28095797 | 10.023 | 9.503 |
| 15) 4,4'-DDD | 7.886 | 8.625 | 27315515 | 26613943 | 9.573 | 9.945 |
| 16) Endosulfa... | 7.988 | 8.721 | 28895100 | 27768863 | 9.496 | 9.183 |
| 17) 4,4'-DDT | 8.083 | 8.850 | 23173376 | 25308357 | 10.032 | 9.951 |
| 18) Endrin Al... | 8.278 | 8.960 | 27677178 | 25800518 | 9.927 | 8.917 |
| 19) Endosulfa... | 8.581 | 9.151 | 27569100 | 26486998 | 9.335 | 8.933 |
| 20) Methoxychlor | 8.425 | 9.335 | 11113724 | 12796383 | 10.260 | 10.324 |
| 21) Endrin Ke... | 8.774 | 9.550 | 32756813 | 30298317 | 9.184 | 9.021 |
| 23) Hexachlor... | 0.000 | 3.533 | 0 | 16714 | N.D. | BelowCal |
| 24) Hexachlor... | 5.656 | 6.318 | 102071 | 37547 | BelowCal | BelowCal |
| 25) Oxychlorthane | 7.142 | 7.784 | 187075 | 11688 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.205 | 7.987 | 37803310 | 35657796 | 15.795 | 16.417 |
| 27) trans-Non... | 7.399 | 8.044 | 37114363 | 245646 | 10.512 | BelowCal # |
| 28) 2,4'-DDD | 0.000 | 8.345 | 0 | 36020428 | N.D. | 17.331 # |
| 29) 2,4'-DDT | 7.770 | 8.573 | 191894 | 28095797 | BelowCal | 14.672 |
| 30) cis-Nonac... | 7.886f | 8.625 | 27315515 | 26613943 | 6.643 | 6.659 |
| 31) Mirex | 8.529 | 9.550 | 158095 | 30298317 | BelowCal | 13.210 |
| 32) Chlordane... | 7.301 | 7.987 | 38218074 | 35657796 | 92.523 | 82.323 |
| 33) Chlordane... | 7.399 | 8.095 | 37114363 | 33781008 | 72.136 | 92.590 # |
| 34) Chlordane... | 0.000 | 8.769 | 0 | 2245558 | N.D. | 18.827 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. # |
| 36) Toxaphene... | 7.399f | 8.345f | 37114363 | 36020428 | 2241.530 | 1097.722 # |
| 37) Toxaphene... | 7.667 | 0.000 | 39283290 | 0 | 1255.245 | N.D. # |
| 38) Toxaphene... | 7.988 | 8.721 | 28895100 | 27768863 | 398.299 | 439.475 |
| 39) Toxaphene... | 8.194f | 8.769 | 2445997 | 2245558 | 30.695 | 6.437 # |
| 40) Toxaphene... | 8.425f | 8.960 | 11113724 | 25800518 | 213.380 | 439.414 # |
| 41) Toxaphene... | 8.529 | 9.335 | 158095 | 12796383 | 2.142 | 199.179 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:57
Operator : MJB
Sample : 0F06008-CAL5
Misc : A20C180, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path: C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File: ECD8-06062010.D
 Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On: 6 Jun 2020 17:13
 Operator: MJB
 Sample: 0F06008-CAL6
 Misc: A20C181, AB 25 ppb
 ALS Vial: 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 14:58:11 2020
 Quant Method: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title: Instrument: DualECD8
 QLast Update: Sun Jun 07 14:07:09 2020
 Response via: Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

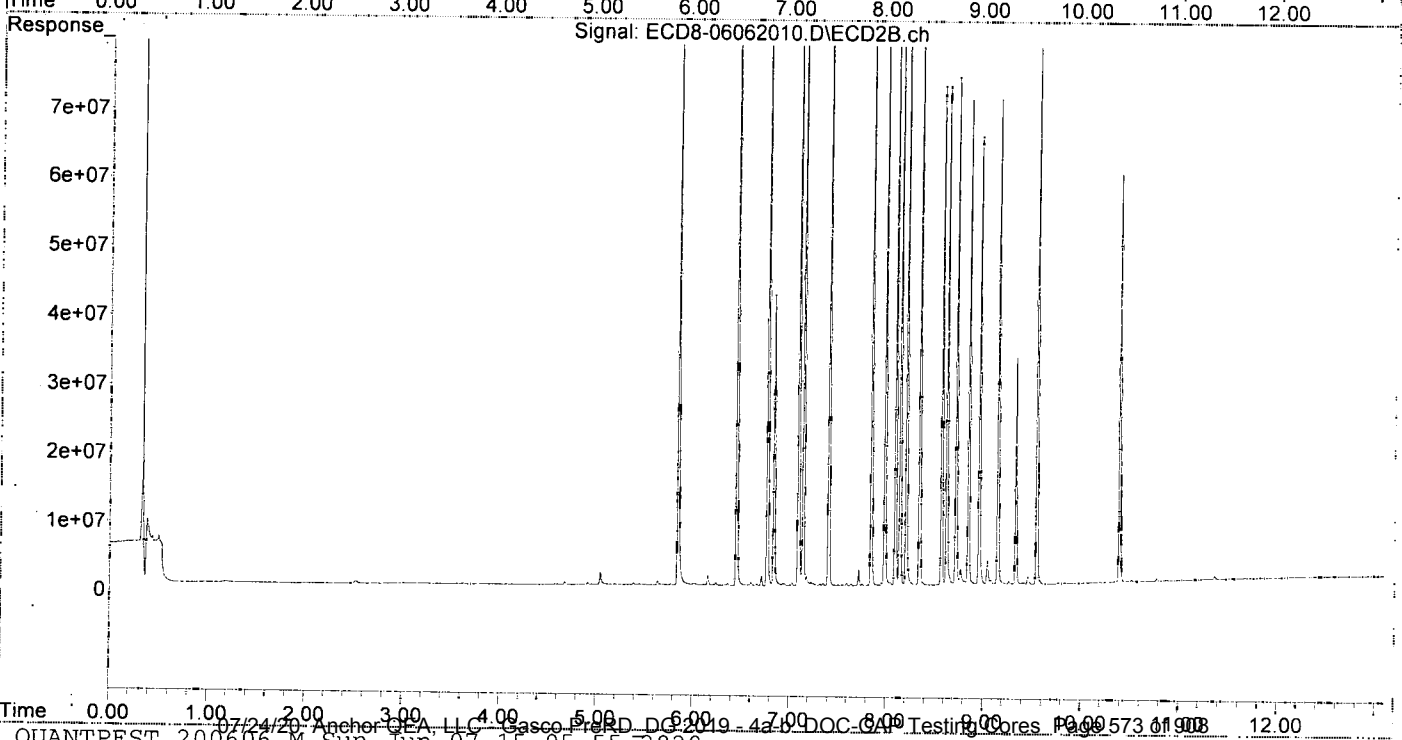
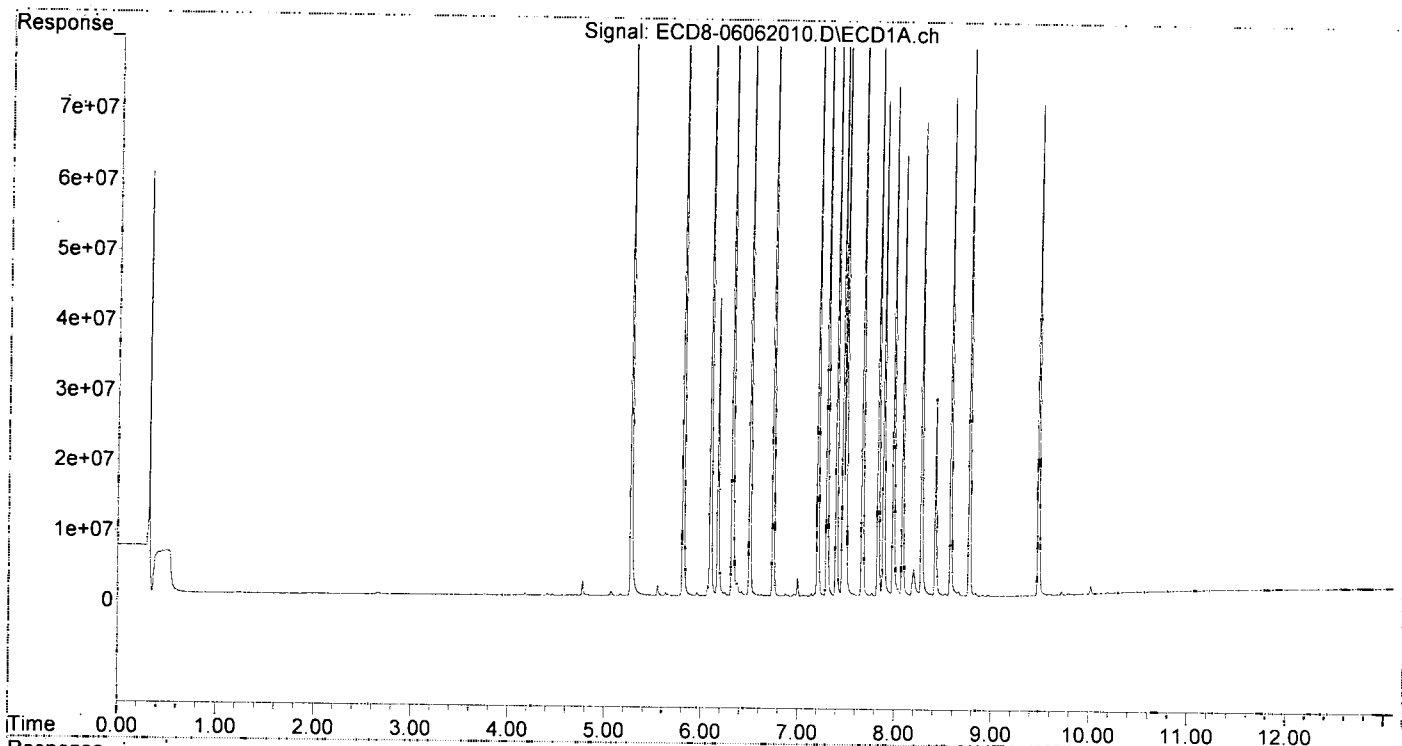
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System-Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.274 | 5.847 | 86728691 | 82784505 | 23.780 | 23.319 |
| 22) S DCBP (S) | 9.482 | 10.396 | 70043801 | 58938146 | 24.485 | 25.151 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.812 | 6.453 | 118.8E6 | 118.0E6 | 24.380 | 24.752 |
| 3) g-BHC | 6.095 | 6.772 | 105.7E6 | 106.2E6 | 24.759 | 24.880 |
| 4) b-BHC | 6.171 | 6.838 | 42663935 | 42039469 | 23.662 | 22.999 |
| 5) Heptachlor | 6.504 | 7.143 | 97787402 | 102.6E6 | 24.733 | 24.211 |
| 6) d-BHC | 6.320 | 7.092 | 90721611 | 100.1E6 | 25.504 | 25.850 |
| 7) Aldrin | 6.744 | 7.406 | 106.4E6 | 99740544 | 24.667 | 24.872 |
| 8) Heptachlo... | 7.206 | 7.846 | 94866469 | 89270067 | 24.005 | 23.712 |
| 9) trans-Chl... | 7.301 | 7.987 | 95188146 | 91015607 | 23.658 | 23.838 |
| 10) cis-Chlor... | 7.399 | 8.095 | 93309929 | 90296816 | 25.131 | 24.236 |
| 11) Endosulfa... | 7.494 | 8.143 | 87969882 | 81264393 | 23.898 | 23.957 |
| 12) 4,4'-DDE | 7.465 | 8.208 | 90527851 | 90779828 | 24.700 | 26.273 |
| 13) Dieldrin | 7.667 | 8.344 | 99483227 | 94470967 | 24.645 | 24.503 |
| 14) Endrin | 7.831 | 8.572 | 82617925 | 72122642 | 24.482 | 24.396 |
| 15) 4,4'-DDD | 7.885 | 8.624 | 70679640 | 72175489 | 24.772 | 26.162 |
| 16) Endosulfa... | 7.988 | 8.721 | 72814315 | 73370058 | 23.930 | 24.264 |
| 17) 4,4'-DDT | 8.083 | 8.850 | 62939123 | 70221935 | 26.500 | 26.741 |
| 18) Endrin Al... | 8.278 | 8.959 | 67705447 | 64639443 | 24.417 | 22.341 |
| 19) Endosulfa... | 8.580 | 9.150 | 71152760 | 70280072 | 24.092 | 23.702 |
| 20) Methoxychlor | 8.424 | 9.334 | 28329088 | 32821247 | 25.719 | 26.021 |
| 21) Endrin Ke... | 8.773 | 9.550 | 84645957 | 80676406 | 23.733 | 24.019 |
| 23) Hexachlor... | 3.038 | 3.537 | 5662 | 17627 | BelowCal | BelowCal |
| 24) Hexachlor... | 5.655 | 6.317 | 209027 | 60627 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.142 | 7.754 | 444880 | 310438 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.206 | 7.987 | 94866469 | 91015607 | 39.638 | 40.896 |
| 27) trans-Non... | 7.399 | 8.046 | 93309929 | 429218 | 26.667 | BelowCal # |
| 28) 2,4'-DDD | 0.000 | 8.344 | 0 | 94470967 | N.D. | 45.455 # |
| 29) 2,4'-DDT | 7.770 | 8.572 | 488948 | 72122642 | 0.094 | 36.429 # |
| 30) cis-Nonac... | 7.885f | 8.624 | 70679640 | 72175489 | 17.189 | 18.058 |
| 31) Mirex | 8.529 | 9.550 | 375767 | 80676406 | BelowCal | 35.304 |
| 32) Chlordane... | 7.301 | 7.987 | 95188146 | 91015607 | 230.443 | 210.128 |
| 33) Chlordane... | 7.399 | 8.095 | 93309929 | 90296816 | 181.360 | 247.495 # |
| 34) Chlordane... | 0.000 | 8.768 | 0 | 2341763 | N.D. | 19.633 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.399f | 8.344f | 93309929 | 94470967 | 5302.080 | 2879.001 # |
| 37) Toxaphene... | 7.667 | 0.000 | 99483227 | 0 | 3220.947 | N.D. # |
| 38) Toxaphene... | 7.988 | 8.721 | 72814315 | 73370058 | 1003.695 | 1161.168 |
| 39) Toxaphene... | 8.199f | 8.768 | 3847168 | 2341763 | 53.662 | 7.504 # |
| 40) Toxaphene... | 8.424f | 8.959 | 28329088 | 64639443 | 543.910 | 1100.888 # |
| 41) Toxaphene... | 8.529 | 9.334 | 375767 | 32821247 | 5.092 | 510.871 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:13
Operator : MJB
Sample : 0F06008-CAL6
Misc : A20C181, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 17:30
 Operator : MJB
 Sample : 0F06008-CAL7
 Misc : A20E232, AB 50 ppb
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 14:58:21 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*MJB
6/7/20*

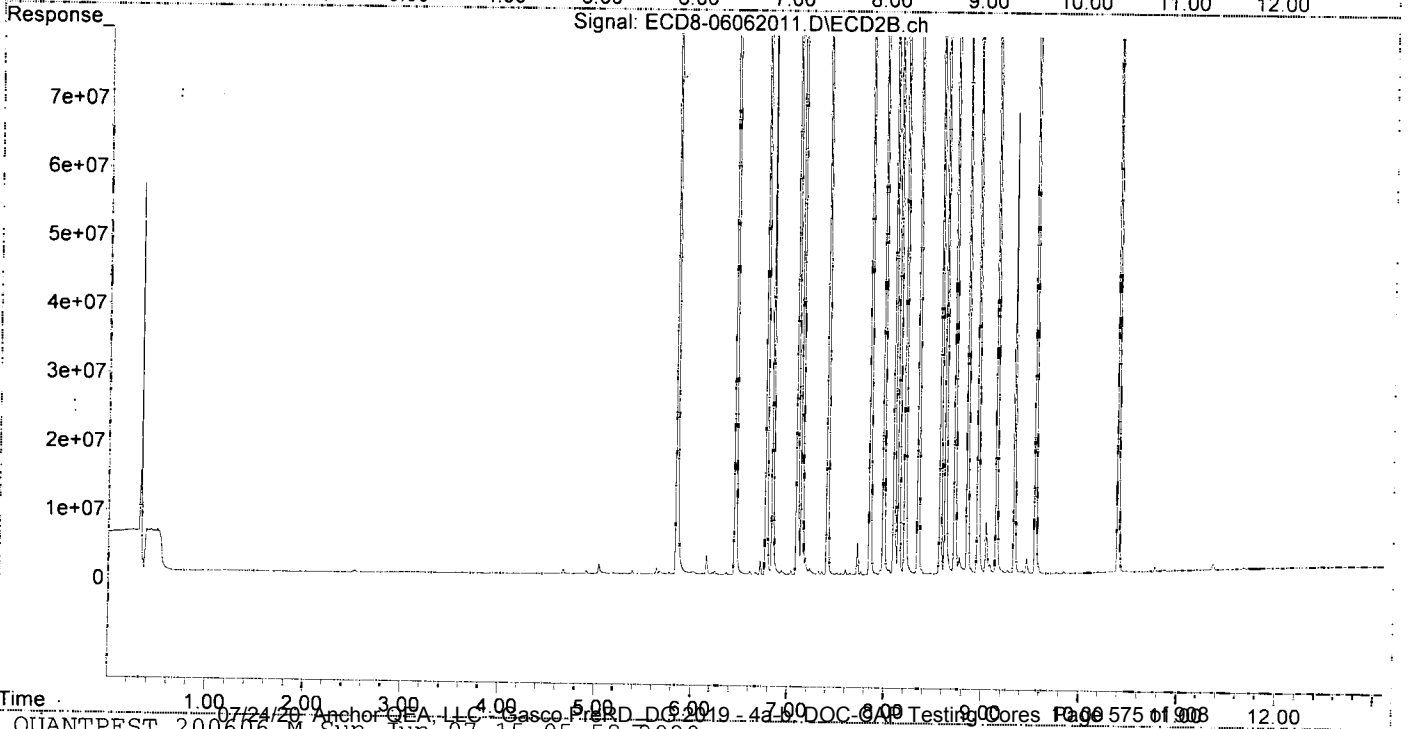
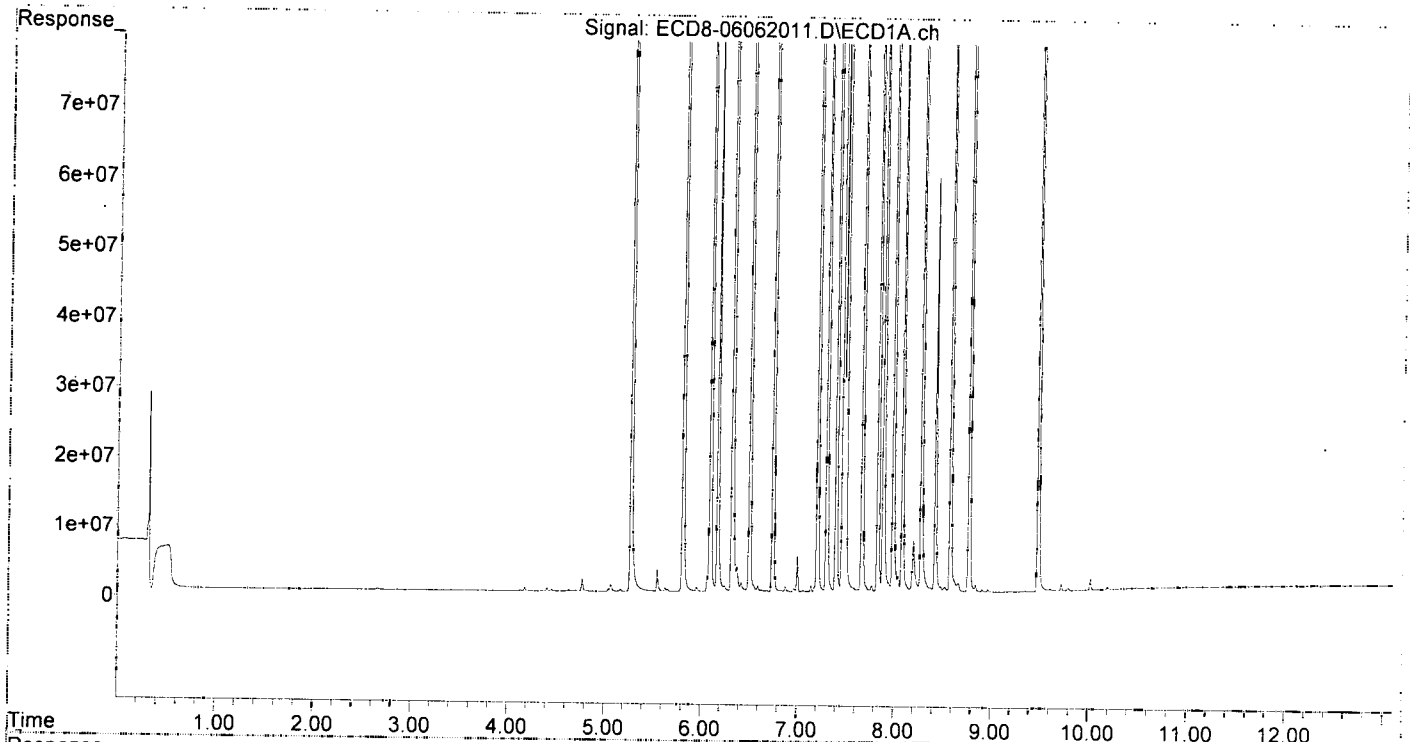
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------------|--------|--------|----------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | | |
| 1) | S TCMX (S) | 5.274 | 5.847 | 179.1E6 | 178.8E6 | 49.093 | 50.373 |
| 22) | S DCBP (S) | 9.482 | 10.396 | 146.9E6 | 121.1E6 | 51.273 | 50.761 |
| Target Compounds | | | | | | | |
| 2) | a-BHC | 5.813 | 6.453 | 253.8E6 | 253.2E6 | 52.079 | 53.120 |
| 3) | g-BHC | 6.094 | 6.772 | 222.2E6 | 227.5E6 | 52.037 | 53.297 |
| 4) | b-BHC | 6.171 | 6.838 | 90211863 | 89925013 | 50.032 | 49.197 |
| 5) | Heptachlor | 6.504 | 7.142 | 200.0E6 | 217.2E6 | 50.581 | 51.260 |
| 6) | d-BHC | 6.320 | 7.091 | 198.0E6 | 211.1E6 | 53.146 | 52.228 |
| 7) | Aldrin | 6.745 | 7.406 | 219.6E6 | 206.0E6 | 50.923 | 51.363 |
| 8) | Heptachlo... | 7.205 | 7.847 | 195.2E6 | 188.5E6 | 49.394 | 50.061 |
| 9) | trans-Chl... | 7.301 | 7.987 | 200.8E6 | 191.9E6 | 49.903 | 50.265 |
| 10) | cis-Chlor... | 7.398 | 8.095 | 194.6E6 | 190.0E6 | 51.669 | 50.990 |
| 11) | Endosulfa... | 7.494 | 8.144 | 186.3E6 | 171.9E6 | 50.605 | 50.675 |
| 12) | 4,4'-DDE | 7.464 | 8.207 | 190.2E6 | 190.9E6 | 51.887 | 52.878 |
| 13) | Dieldrin | 7.666 | 8.344 | 210.5E6 | 202.6E6 | 52.153 | 52.551 |
| 14) | Endrin | 7.831 | 8.571 | 171.9E6 | 153.4E6 | 50.943 | 51.890 |
| 15) | 4,4'-DDD | 7.885 | 8.623 | 151.0E6 | 156.1E6 | 52.907 | 53.757 |
| 16) | Endosulfa... | 7.987 | 8.720 | 154.5E6 | 157.0E6 | 50.789 | 51.909 |
| 17) | 4,4'-DDT | 8.084 | 8.850 | 133.3E6 | 147.5E6 | 53.718 | 53.342 |
| 18) | Endrin Al... | 8.278 | 8.959 | 138.4E6 | 140.1E6 | 49.596 | 48.419 |
| 19) | Endosulfa... | 8.580 | 9.150 | 148.4E6 | 154.0E6 | 50.253 | 51.946 |
| 20) | Methoxychlor | 8.424 | 9.334 | 59424282 | 66949924 | 51.923 | 51.098 |
| 21) | Endrin Ke... | 8.774 | 9.549 | 175.3E6 | 173.0E6 | 49.158 | 51.509 |
| 23) | Hexachlor... | 0.000 | 3.559f | 0 | 16308 | N.D. | BelowCal |
| 24) | Hexachlor... | 5.656 | 6.319 | 396415 | 27851 | BelowCal | BelowCal |
| 25) | Oxychlorane | 7.142 | 7.755 | 876360 | 477679 | 0.083 | BelowCal # |
| 26) | 2,4'-DDE | 7.205 | 7.987 | 195.2E6 | 191.9E6 | 81.562 | 81.968 |
| 27) | trans-Non... | 7.398 | 8.049 | 194.6E6 | 679645 | 55.206 | BelowCal # |
| 28) | 2,4'-DDD | 0.000 | 8.344 | 0 | 202.6E6 | N.D. | 97.485 # |
| 29) | 2,4'-DDT | 7.770 | 8.571 | 922437 | 153.4E6 | 0.334 | 72.855 # |
| 30) | cis-Nonac... | 7.885f | 8.623 | 151.0E6 | 156.1E6 | 36.712 | 39.064 |
| 31) | Mirex | 8.529 | 9.549 | 710596 | 173.0E6 | BelowCal | 74.737 |
| 32) | Chlordane... | 7.301 | 7.987 | 200.8E6 | 191.9E6 | 486.086 | 443.070 |
| 33) | Chlordane... | 7.398 | 8.095 | 194.6E6 | 190.0E6 | 378.148 | 520.707 # |
| 34) | Chlordane... | 0.000 | 8.769 | 0 | 2457802 | N.D. | 20.606 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.398f | 8.344f | 194.6E6 | 202.6E6 | 10105.096 | 6174.420 # |
| 37) | Toxaphene... | 7.666 | 0.000 | 210.5E6 | 0 | 6972.057 | N.D. # |
| 38) | Toxaphene... | 7.987 | 8.720 | 154.5E6 | 157.0E6 | 2130.205 | 2484.163 |
| 39) | Toxaphene... | 8.199f | 8.769 | 7287546 | 2457802 | 109.736 | 8.790 # |
| 40) | Toxaphene... | 8.424f | 8.959 | 59424282 | 140.1E6 | 1140.928 | 2385.935 # |
| 41) | Toxaphene... | 8.529 | 9.334 | 710596 | 66949924 | 9.629 | 1042.092 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:30
Operator : MJB
Sample : 0F06008-CAL7
Misc : A20E232, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 17:46
 Operator : MJB
 Sample : 0F06008-CAL8
 Misc : A20E233, AB 100 ppb
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 14:58:31 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

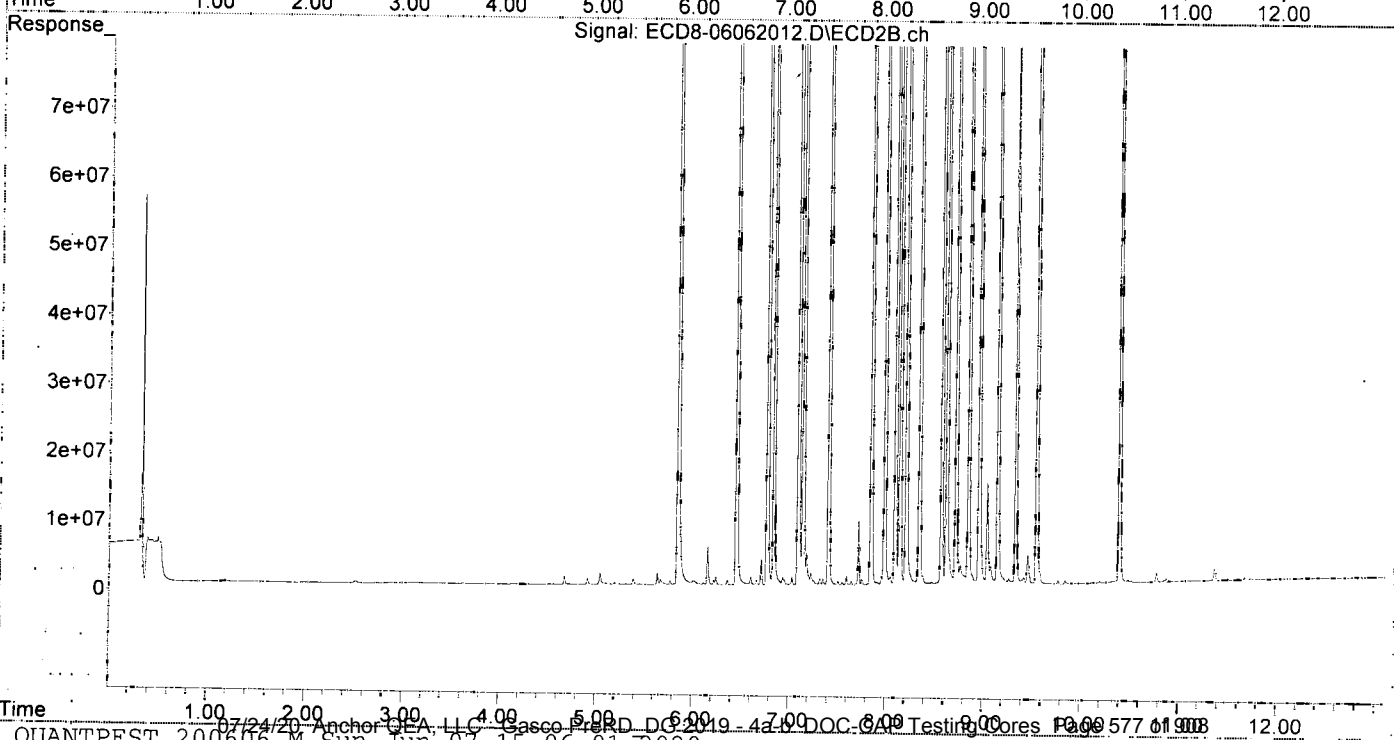
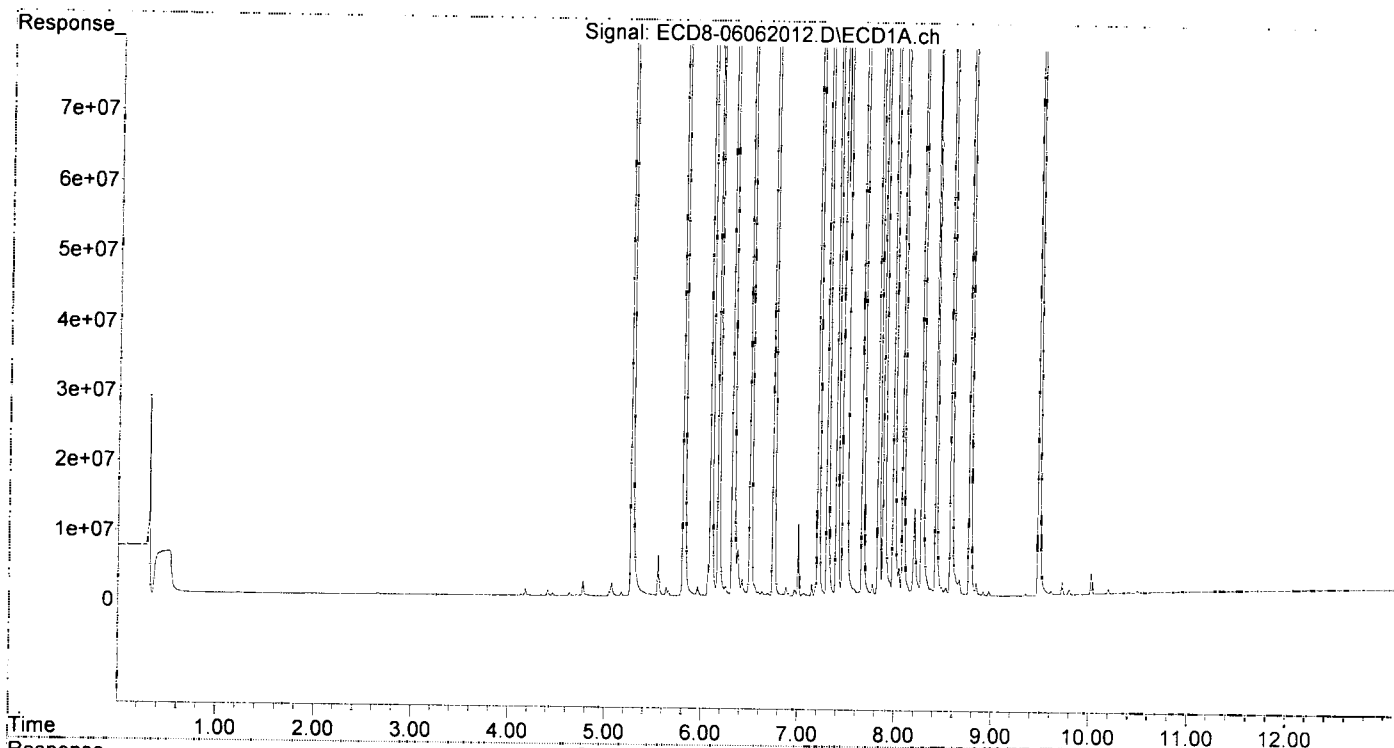
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|---------|-----------|-------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.275 | 5.847 | 372.2E6 | 385.6E6 | 102.056 | 108.609 |
| 22) S DCBP (S) | 9.482 | 10.397 | 292.0E6 | 256.3E6 | 101.067 | 102.986 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.814 | 6.454 | 531.7E6 | 535.6E6 | 109.101 | 112.367 |
| 3) g-BHC | 6.096 | 6.772 | 457.3E6 | 465.9E6 | 107.084 | 109.139 |
| 4) b-BHC | 6.172 | 6.838 | 189.2E6 | 193.1E6 | 104.913 | 105.640 |
| 5) Heptachlor | 6.505 | 7.143 | 430.5E6 | 467.5E6 | 108.879 | 110.334 |
| 6) d-BHC | 6.320 | 7.092 | 425.1E6 | 466.4E6 | 105.187 | 106.289 |
| 7) Aldrin | 6.745 | 7.407 | 454.2E6 | 437.5E6 | 105.328 | 109.093 |
| 8) Heptachlo... | 7.206 | 7.846 | 413.9E6 | 398.3E6 | 104.722 | 105.804 |
| 9) trans-Chl... | 7.301 | 7.986 | 409.5E6 | 411.4E6 | 101.767 | 107.754 |
| 10) cis-Chlor... | 7.399 | 8.095 | 396.9E6 | 389.0E6 | 102.104 | 104.413 |
| 11) Endosulfa... | 7.495 | 8.143 | 377.7E6 | 370.0E6 | 102.614 | 109.085 |
| 12) 4,4'-DDE | 7.464 | 8.207 | 393.5E6 | 405.4E6 | 107.362 | 103.810 |
| 13) Dieldrin | 7.667 | 8.345 | 427.9E6 | 434.4E6 | 106.017 | 112.678 |
| 14) Endrin | 7.831 | 8.572 | 362.8E6 | 327.3E6 | 107.505 | 110.718 |
| 15) 4,4'-DDD | 7.885 | 8.623 | 315.6E6 | 334.5E6 | 110.628 | 105.257 |
| 16) Endosulfa... | 7.987 | 8.720 | 325.6E6 | 322.9E6 | 106.991 | 106.800 |
| 17) 4,4'-DDT | 8.083 | 8.850 | 278.3E6 | 324.1E6 | 103.987 | 106.450 |
| 18) Endrin Al... | 8.278 | 8.959 | 289.5E6 | 298.8E6 | 101.669 | 103.286 |
| 19) Endosulfa... | 8.580 | 9.150 | 312.2E6 | 326.0E6 | 105.708 | 109.959 |
| 20) Methoxychlor | 8.424 | 9.334 | 129.7E6 | 142.9E6 | 104.941 | 101.150 |
| 21) Endrin Ke... | 8.773 | 9.550 | 365.0E6 | 360.5E6 | 102.331 | 107.322 |
| 23) Hexachlor... | 0.000 | 3.556f | 0 | 15106 | N.D. | BelowCal |
| 24) Hexachlor... | 5.656 | 6.318 | 778727 | 57475 | 0.064 | BelowCal # |
| 25) Oxychlorane | 7.142 | 7.779 | 1738464 | 62728 | 0.357 | BelowCal # |
| 26) 2,4'-DDE | 7.206 | 7.986 | 413.9E6 | 411.4E6 | 172.923 | 160.047 |
| 27) trans-Non... | 7.399 | 8.048 | 396.9E6 | 1205735 | 110.229 | 0.114 # |
| 28) 2,4'-DDD | 0.000 | 8.345 | 0 | 434.4E6 | N.D. | 209.024 # |
| 29) 2,4'-DDT | 7.769 | 8.572 | 1793516 | 327.3E6 | 0.815 | 139.733 # |
| 30) cis-Nonac... | 7.885f | 8.623 | 315.6E6 | 334.5E6 | 76.764 | 83.694 |
| 31) Mirex | 8.529 | 9.550 | 1254293 | 360.5E6 | 0.192 | 151.053 # |
| 32) Chlordane... | 7.301 | 7.986 | 409.5E6 | 411.4E6 | 991.270 | 949.822 |
| 33) Chlordane... | 7.399 | 8.095 | 396.9E6 | 389.0E6 | 771.411 | 1066.251 # |
| 34) Chlordane... | 0.000 | 8.769 | 0 | 2760345 | N.D. | 23.143 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.399f | 8.345f | 396.9E6 | 434.4E6 | 18044.242 | 13239.019 # |
| 37) Toxaphene... | 7.667 | 0.000 | 427.9E6 | 0 | 14874.831 | N.D. # |
| 38) Toxaphene... | 7.987 | 8.720 | 325.6E6 | 322.9E6 | 4487.501 | 5111.049 |
| 39) Toxaphene... | 8.199f | 8.769 | 12660109 | 2760345 | 196.421 | 12.142 # |
| 40) Toxaphene... | 8.424f | 8.959 | 129.7E6 | 298.8E6 | 2490.331 | 5089.578 # |
| 41) Toxaphene... | 8.529 | 9.334 | 1254293 | 142.9E6 | 16.997 | 2224.730 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:46
Operator : MJB
Sample : 0F06008-CAL8
Misc : A20E233, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 18:03
 Operator : MJB
 Sample : 0F06008-CAL9
 Misc : A20C177, AB 200 ppb
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 14:58:44 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

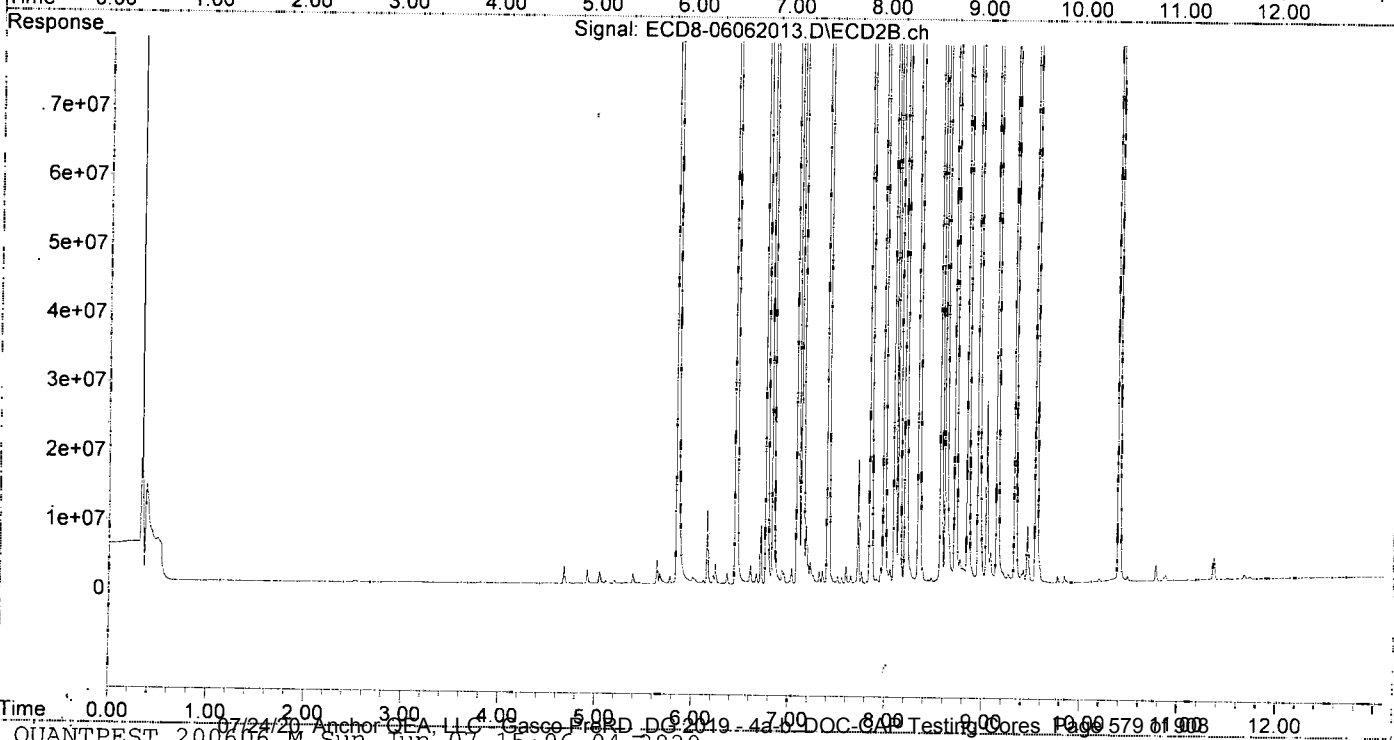
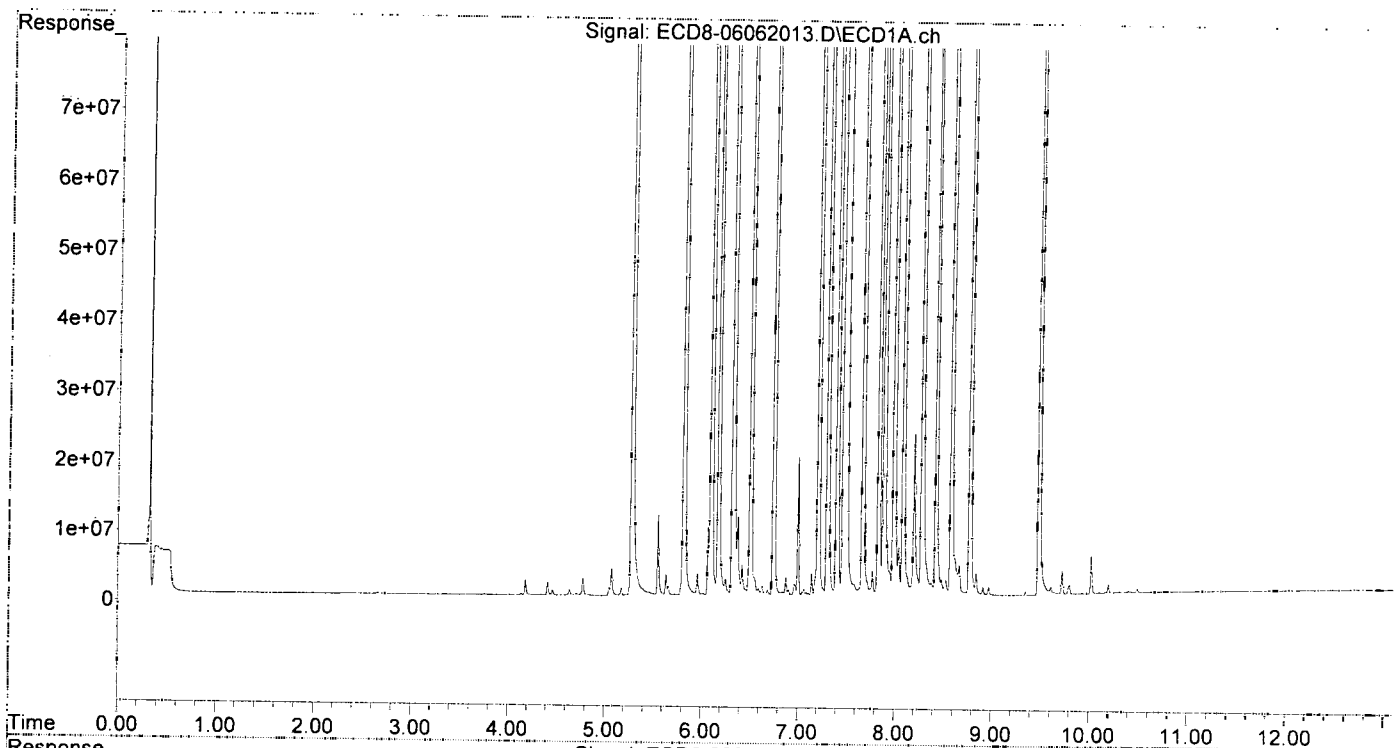
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|-------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.276 | 5.847 | 750.6E6 | 790.4E6 | 205.804 | 222.654 |
| 22) S DCBP (S) | 9.482 | 10.396 | 583.9E6 | 527.3E6 | 198.249 | 196.817 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.814 | 6.454 | 1055.1E6 | 1129.6E6 | 216.522 | 237.003 |
| 3) g-BHC | 6.096 | 6.772 | 919.0E6 | 982.3E6 | 215.204 | 230.103 |
| 4) b-BHC | 6.172 | 6.837 | 380.4E6 | 394.6E6 | 210.990 | 215.861 |
| 5) Heptachlor | 6.506 | 7.142 | 854.7E6 | 925.9E6 | 216.185 | 218.507 |
| 6) d-BHC | 6.320 | 7.091 | 885.2E6 | 954.6E6 | 193.509 | 193.138 |
| 7) Aldrin | 6.745 | 7.407 | 905.5E6 | 904.7E6 | 209.996 | 225.603 |
| 8) Heptachlo... | 7.206 | 7.846 | 814.0E6 | 810.0E6 | 205.979 | 215.161 |
| 9) trans-Chl... | 7.301 | 7.986 | 845.2E6 | 837.5E6 | 210.071 | 219.347 |
| 10) cis-Chlor... | 7.399 | 8.095 | 811.7E6 | 786.7E6 | 196.747 | 211.156 |
| 11) Endosulfa... | 7.494 | 8.143 | 761.6E6 | 752.5E6 | 206.908 | 221.821 |
| 12) 4,4'-DDE | 7.464 | 8.207 | 820.0E6 | 861.3E6 | 223.721 | 194.373 |
| 13) Dieldrin | 7.667 | 8.345 | 857.8E6 | 881.0E6 | 212.505 | 228.504 |
| 14) Endrin | 7.831 | 8.572 | 733.8E6 | 689.1E6 | 217.447 | 233.084 |
| 15) 4,4'-DDD | 7.884 | 8.623 | 664.2E6 | 703.1E6 | 232.772 | 192.925 |
| 16) Endosulfa... | 7.987 | 8.720 | 667.0E6 | 704.5E6 | 219.218 | 232.981 |
| 17) 4,4'-DDT | 8.083 | 8.850 | 585.1E6 | 671.6E6 | 193.500 | 192.037 |
| 18) Endrin Al... | 8.278 | 8.959 | 590.1E6 | 607.2E6 | 199.349 | 209.878 |
| 19) Endosulfa... | 8.580 | 9.151 | 621.9E6 | 671.0E6 | 210.576 | 226.280 |
| 20) Methoxychlor | 8.423 | 9.334 | 270.4E6 | 319.1E6 | 194.279 | 197.688 |
| 21) Endrin Ke... | 8.774 | 9.550 | 749.3E6 | 748.5E6 | 210.098 | 222.857 |
| 23) Hexachlor... | 3.044 | 0.000 | 41503 | 0 | BelowCal | N.D. |
| 24) Hexachlor... | 5.656 | 6.316 | 1438662 | 163518 | 0.281 | BelowCal # |
| 25) Oxychlorane | 7.141 | 7.777 | 3219331 | 139997 | 0.826 | BelowCal # |
| 26) 2,4'-DDE | 7.206 | 7.986 | 814.0E6 | 837.5E6 | 340.125 | 284.813 |
| 27) trans-Non... | 7.399 | 8.048 | 811.7E6 | 2055965 | 215.870 | 0.376 # |
| 28) 2,4'-DDD | 7.580 | 8.345 | 1657344 | 881.0E6 | 0.689 | 423.888 # |
| 29) 2,4'-DDT | 7.769 | 8.572 | 3482332 | 689.1E6 | 1.747 | 251.436 # |
| 30) cis-Nonac... | 7.884f | 8.623 | 664.2E6 | 703.1E6 | 161.520 | 175.917 |
| 31) Mirex | 8.528 | 9.550 | 2164365 | 748.5E6 | 0.566 | 296.041 # |
| 32) Chlordane... | 7.301 | 7.986 | 845.2E6 | 837.5E6 | 2046.212 | 1933.492 |
| 33) Chlordane... | 7.399 | 8.095 | 811.7E6 | 786.7E6 | 1577.599 | 2156.307 # |
| 34) Chlordane... | 0.000 | 8.767 | 0 | 3446608 | N.D. | 28.896 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.399f | 8.345f | 811.7E6 | 881.0E6 | 30757.463 | 26847.971 |
| 37) Toxaphene... | 7.667 | 0.000 | 857.8E6 | 0 | 33807.538 | N.D. # |
| 38) Toxaphene... | 7.987 | 8.720 | 667.0E6 | 704.5E6 | 9194.597 | 11149.568 |
| 39) Toxaphene... | 8.198f | 8.767 | 23220453 | 3446608 | 363.811 | 19.732 # |
| 40) Toxaphene... | 8.423f | 8.959 | 270.4E6 | 607.2E6 | 5192.376 | 10342.076 # |
| 41) Toxaphene... | 8.528 | 9.334 | 2164365 | 319.1E6 | 29.329 | 4966.236 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:03
Operator : MJB
Sample : 0F06008-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 18:52
 Operator : MJB
 Sample : 0F06008-CALA
 Misc : A20F082, 9-42 0.5 ppb
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 14:59:14 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

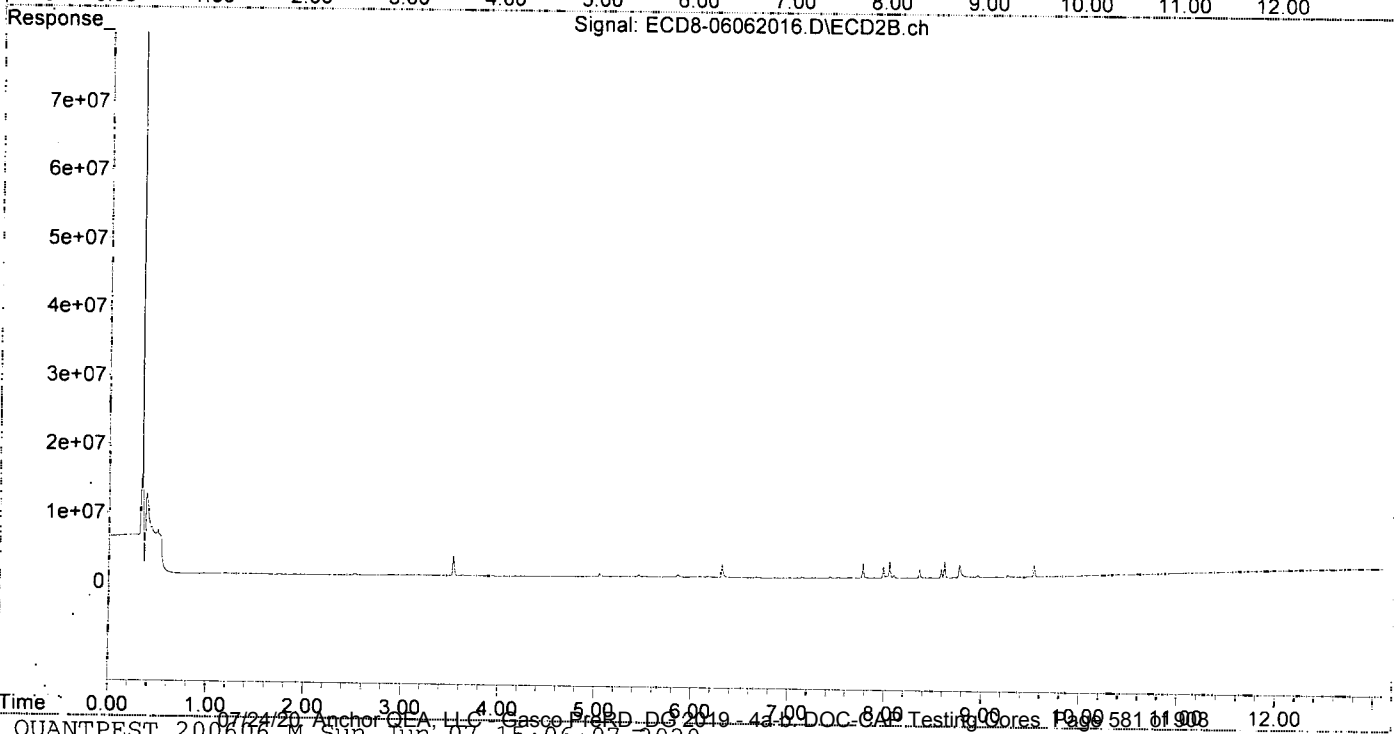
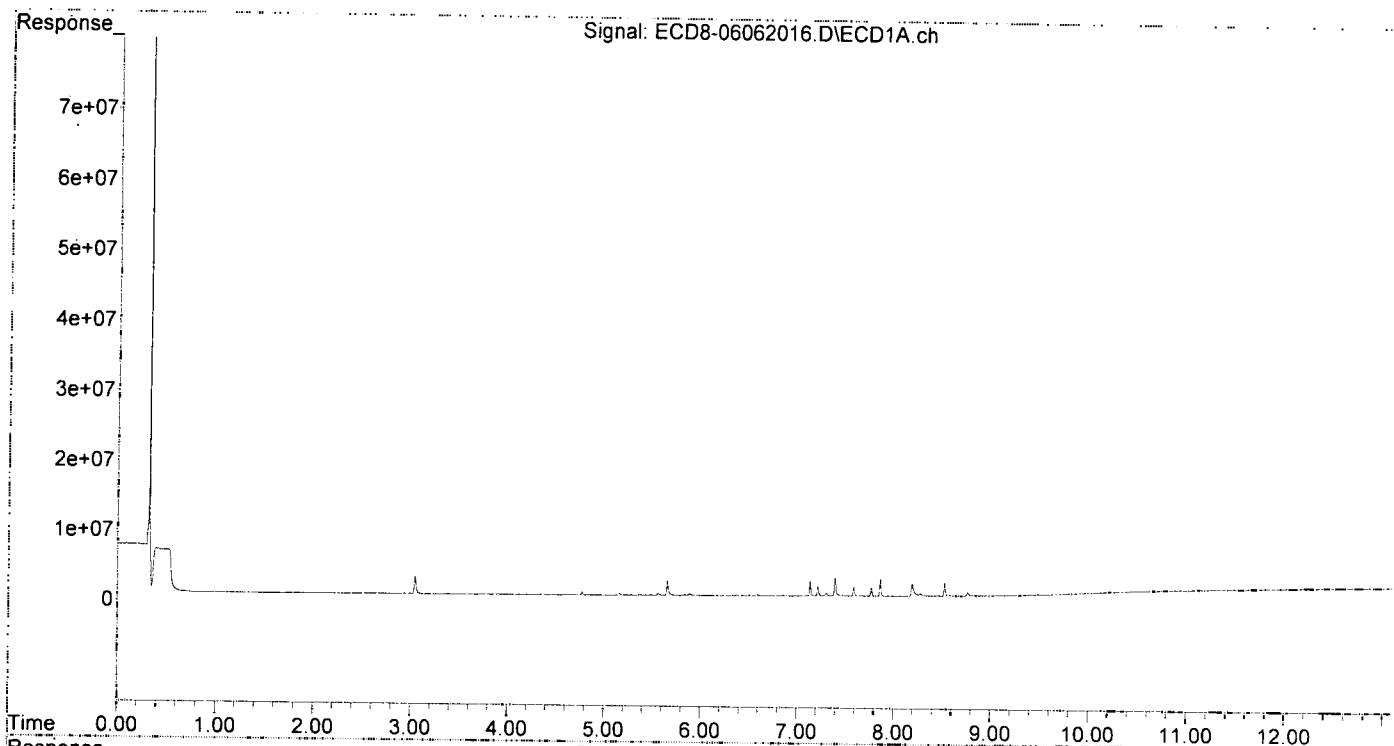
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|------------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.277 | 5.858 | 27261 | 392157 | 0.007 | 0.110 # |
| 22) S DCBP (S) | 9.483 | 10.396 | 152592 | 120171 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.814 | 6.480f | 40053 | 23464 | 0.008 | 0.005 # |
| 3) g-BHC | 6.095 | 6.771 | 34310 | 14015 | 0.008 | 0.003 # |
| 4) b-BHC | 6.174 | 6.842 | 35629 | 30606 | 0.020 | 0.017 # |
| 5) Heptachlor | 6.504 | 7.142 | 161931 | 150417 | 0.041 | 0.035 # |
| 6) d-BHC | 6.324 | 7.093 | 56048 | 51415 | 0.049 | 0.049 # |
| 7) Aldrin | 6.747 | 7.403 | 18848 | 10254 | 0.004 | 0.003 # |
| 8) Heptachlo... | 7.216 | 7.845 | 1450647 | 24089 | 0.367 | 0.006 # |
| 9) trans-Chl... | 7.303 | 7.985 | 475644 | 1594318 | 0.118 | 0.418 # |
| 10) cis-Chlor... | 7.392 | 8.095 | 2706753 | 428761 | 0.540 | 0.115 # |
| 11) Endosulfa... | 7.502 | 8.147 | 78160 | 32530 | 0.021 | 0.010 # |
| 12) 4,4'-DDE | 7.466 | 8.210 | 104028 | 34221 | 0.028 | 0.016 # |
| 13) Dieldrin | 7.667 | 8.359 | 61849 | 1185591 | 0.015 | 0.308 # |
| 14) Endrin | 7.861f | 8.582 | 2497038 | 1241303 | 0.740 | 0.420 # |
| 15) 4,4'-DDD | 7.861f | 8.618 | 2497038 | 2343379 | 0.875 | 0.871 # |
| 16) Endosulfa... | 7.989 | 8.720 | 82097 | 74869 | 0.027 | 0.025 # |
| 17) 4,4'-DDT | 8.083 | 0.000 | 32795 | 0 | 0.024 | N.D. # |
| 18) Endrin Al... | 8.279 | 8.959 | 429620 | 343141 | BelowCal | 0.119 # |
| 19) Endosulfa... | 8.581 | 9.151 | 148148 | 128463 | 0.050 | 0.043 # |
| 20) Methoxychlor | 8.427 | 9.334 | 44235 | 63597 | BelowCal | BelowCal # |
| 21) Endrin Ke... | 8.763 | 9.536 | 516000 | 1704303 | 0.145 | 0.507 # |
| 23) Hexachlor... | 3.047 | 3.534 | 2512894 | 2831116 | 0.478 | 0.481 # |
| 24) Hexachlor... | 5.657 | 6.315 | 2070033 | 1957618 | 0.488 | 0.498 # |
| 25) Oxychlorane | 7.135 | 7.775 | 2124726 | 2077896 | 0.479 | 0.495 # |
| 26) 2,4'-DDE | 7.216 | 7.985 | 1450647 | 1594318 | 0.606 | 0.509 # |
| 27) trans-Non... | 7.392 | 8.050 | 2706753 | 2454721 | 0.504 | 0.498 # |
| 28) 2,4'-DDD | 7.587 | 8.359 | 1283450 | 1185591 | 0.489 | 0.570 # |
| 29) 2,4'-DDT | 7.769 | 8.582 | 1217591 | 1241303 | 0.497 | 0.503 # |
| 30) cis-Nonac... | 7.861 | 8.618 | 2497038 | 2343379 | 0.607 | 0.586 # |
| 31) Mirex | 8.527 | 9.536 | 1951891 | 1704303 | 0.479 | 0.477 # |
| 32) Chlordane... | 7.303 | 7.985 | 475644 | 1594318 | 1.151 | 3.681 # |
| 33) Chlordane... | 7.392 | 8.095 | 2706753 | 428761 | 5.261 | 1.175 # |
| 34) Chlordane... | 7.944 | 8.771 | 98980 | 1831435 | 0.766 | 15.355 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. # |
| 36) Toxaphene... | 7.392 | 8.329 | 2706753 | 17311 | 167.010 | 0.528 # |
| 37) Toxaphene... | 7.667 | 8.675 | 61849 | 31404 | 175390.177 | 0.737 # |
| 38) Toxaphene... | 7.989 | 8.720 | 82097 | 74869 | 1.132 | 1.185 # |
| 39) Toxaphene... | 8.191f | 8.771 | 1769833 | 1831435 | 19.585 | 1.841 # |
| 40) Toxaphene... | 8.453 | 8.959 | 59493 | 343141 | 1.142 | 5.844 # |
| 41) Toxaphene... | 8.527 | 9.334 | 1951891 | 63597 | 26.450 | 0.990 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. # |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 19:09
 Operator : MJB
 Sample : 0F06008-CALB
 Misc : A20C353, 9-42 1 ppb
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 14:59:55 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MB
6/7/20

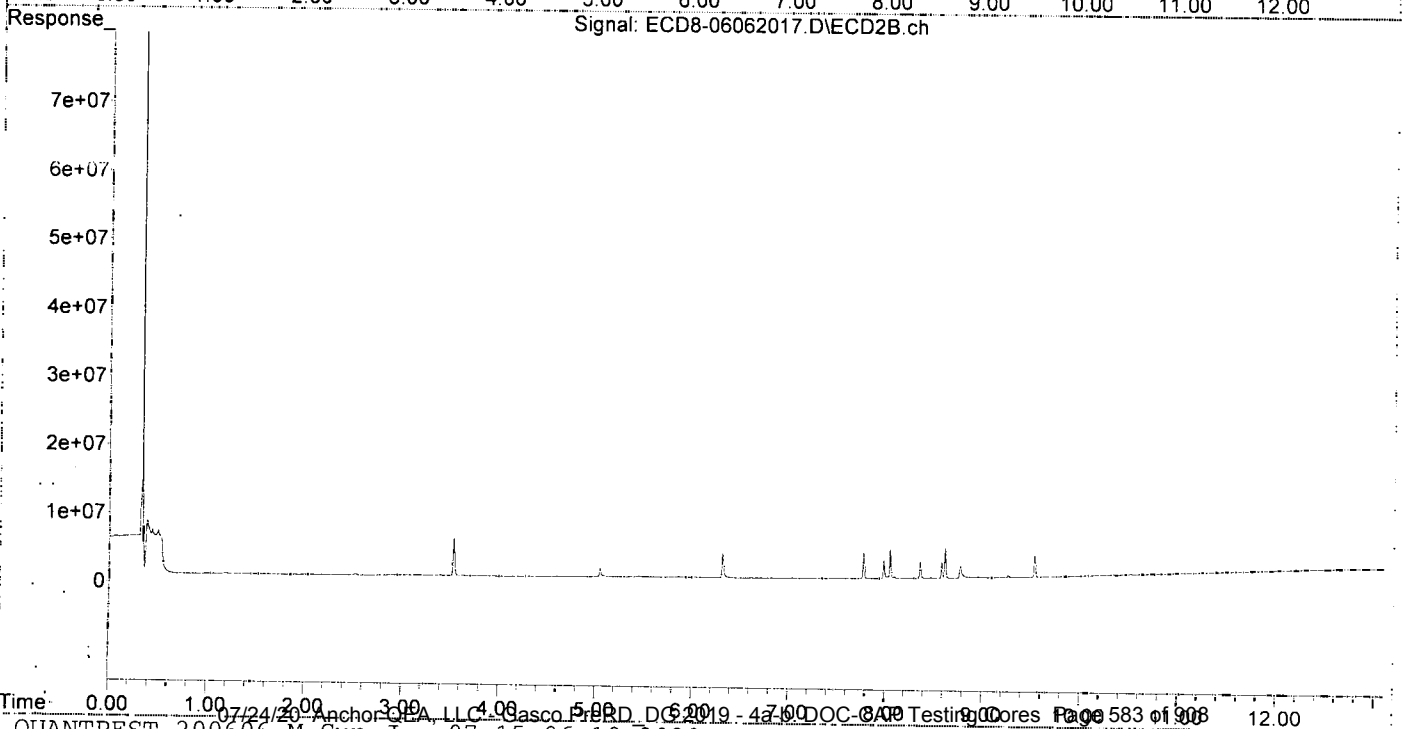
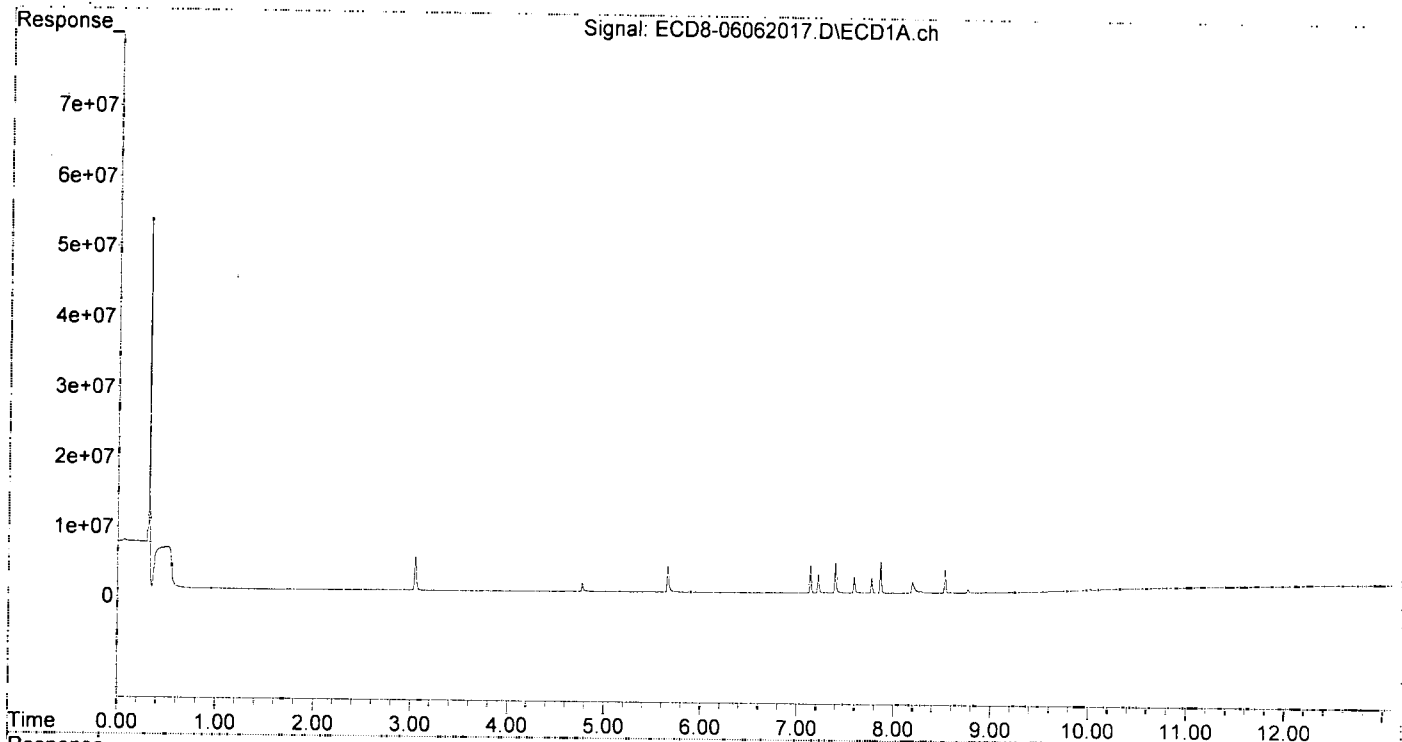
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|------------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.250f | 5.859 | 56413 | 116341 | 0.015 | 0.033 # |
| 22) S DCBP (S) | 9.484 | 10.389 | 28116 | 42234 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.815 | 6.486f | 14388 | 9508 | 0.003 | 0.002 # |
| 3) g-BHC | 6.133f | 0.000 | 18934 | 0 | 0.004 | N.D. # |
| 4) b-BHC | 6.174 | 6.842 | 4359 | 35334 | 0.002 | 0.019 # |
| 5) Heptachlor | 6.505 | 7.146 | 32041 | 33538 | 0.008 | 0.008 |
| 6) d-BHC | 6.325 | 7.093 | 17014 | 48086 | 0.038 | 0.049 # |
| 7) Aldrin | 6.723f | 7.406 | 17621 | 7733 | 0.004 | 0.002 # |
| 8) Heptachlo... | 7.216 | 0.000 | 2683204 | 0 | 0.679 | N.D. # |
| 9) trans-Chl... | 7.302 | 7.985 | 155967 | 2644092 | 0.039 | 0.693 # |
| 10) cis-Chlor... | 7.393 | 8.094 | 4424272 | 298828 | 1.014 | 0.080 # |
| 11) Endosulfa... | 7.499 | 8.145 | 46265 | 36731 | 0.013 | 0.011 |
| 12) 4,4'-DDE | 7.463 | 8.209 | 74160 | 19773 | 0.020 | 0.012 # |
| 13) Dieldrin | 7.662 | 8.360 | 39966 | 2357973 | 0.010 | 0.612 # |
| 14) Endrin | 7.862f | 8.582 | 4619495 | 2243898 | 1.369 | 0.759 # |
| 15) 4,4'-DDD | 7.862f | 8.617 | 4619495 | 4362479 | 1.619 | 1.638 |
| 16) Endosulfa... | 7.992 | 8.721 | 29458 | 35429 | 0.010 | 0.012 |
| 17) 4,4'-DDT | 8.086 | 0.000 | 10912 | 0 | 0.014 | N.D. # |
| 18) Endrin Al... | 8.280 | 8.960 | 309872 | 197352 | BelowCal | 0.068 |
| 19) Endosulfa... | 8.581 | 9.151 | 101429 | 79477 | 0.034 | 0.027 |
| 20) Methoxychlor | 8.394f | 9.332 | 40070 | 18615 | BelowCal | BelowCal |
| 21) Endrin Ke... | 8.763 | 9.536 | 492563 | 3067448 | 0.138 | 0.913 # |
| 23) Hexachlor... | 3.047 | 3.534 | 4817265 | 5390738 | 1.090 | 1.078 |
| 24) Hexachlor... | 5.657 | 6.315 | 3808389 | 3490476 | 1.059 | 1.041 |
| 25) Oxychlorane | 7.135 | 7.775 | 4069036 | 3679856 | 1.096 | 1.042 |
| 26) 2,4'-DDE | 7.216 | 7.985 | 2683204 | 2644092 | 1.121 | 1.010 |
| 27) trans-Non... | 7.393 | 8.050 | 4424272 | 4150088 | 1.005 | 1.020 |
| 28) 2,4'-DDD | 7.588 | 8.360 | 2380316 | 2357973 | 1.078 | 1.135 |
| 29) 2,4'-DDT | 7.770 | 8.582 | 2237919 | 2243898 | 1.061 | 1.046 |
| 30) cis-Nonac... | 7.862 | 8.617 | 4619495 | 4362479 | 1.123 | 1.091 |
| 31) Mirex | 8.527 | 9.536 | 3450319 | 3067448 | 1.095 | 1.087 |
| 32) Chlordane... | 7.302 | 7.985 | 155967 | 2644092 | 0.378 | 6.104 # |
| 33) Chlordane... | 7.393 | 8.094 | 4424272 | 298828 | 8.599 | 0.819 # |
| 34) Chlordane... | 7.922f | 8.773 | 5528 | 1701535 | 0.043 | 14.266 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.393 | 8.320 | 4424272 | 6487 | 274.990 | 0.198 # |
| 37) Toxaphene... | 7.662 | 8.683 | 39966 | 14610 | 175390.874 | 0.343 # |
| 38) Toxaphene... | 7.992 | 8.721 | 29458 | 35429 | 0.406 | 0.561 # |
| 39) Toxaphene... | 8.192f | 8.773 | 1640106 | 1701535 | 17.451 | 0.398 # |
| 40) Toxaphene... | 0.000 | 8.960 | 0 | 197352 | N.D. | 3.361 # |
| 41) Toxaphene... | 8.527 | 9.332 | 3450319 | 18615 | 46.755 | 0.290 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:09
Operator : MJB
Sample : 0F06008-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 19:25
 Operator : MJB
 Sample : 0F06008-CALC
 Misc : A20C354, 9-42 2 ppb
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:00:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*MJB
6/7/20*

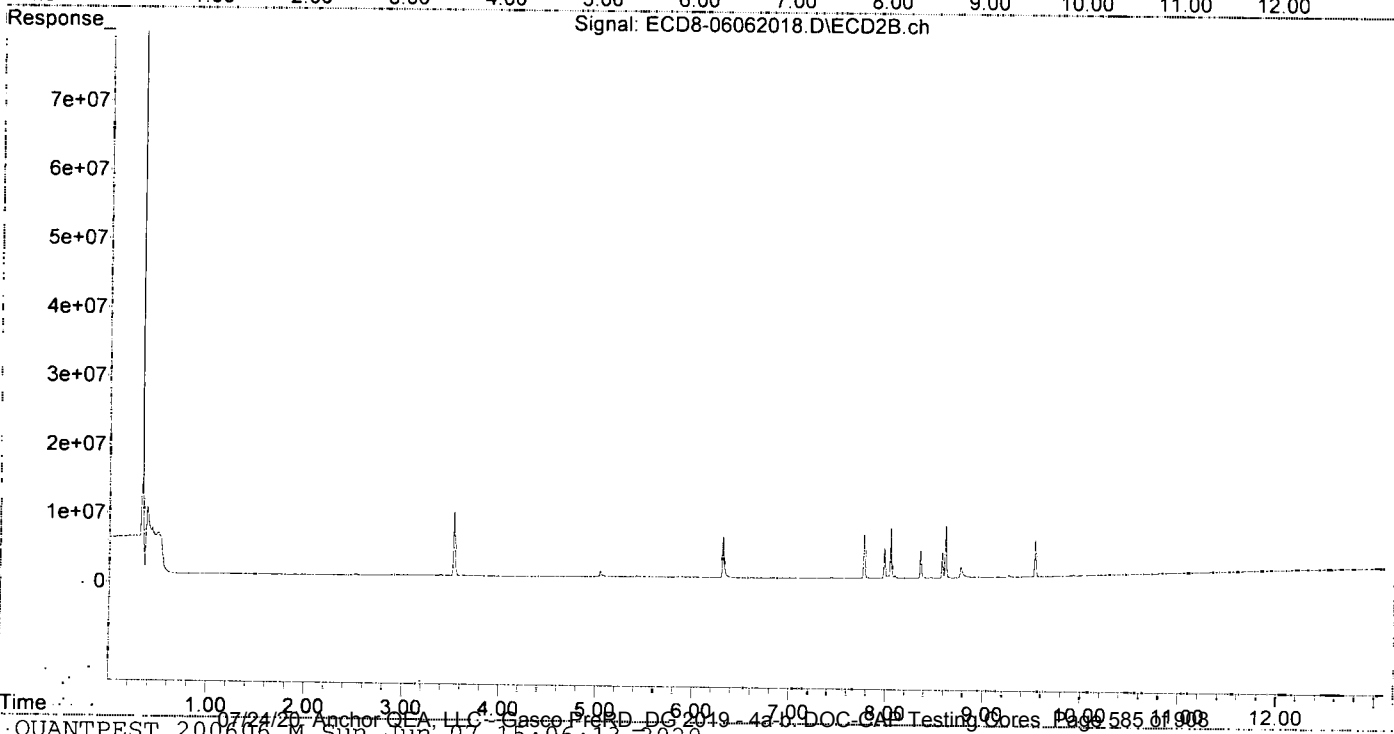
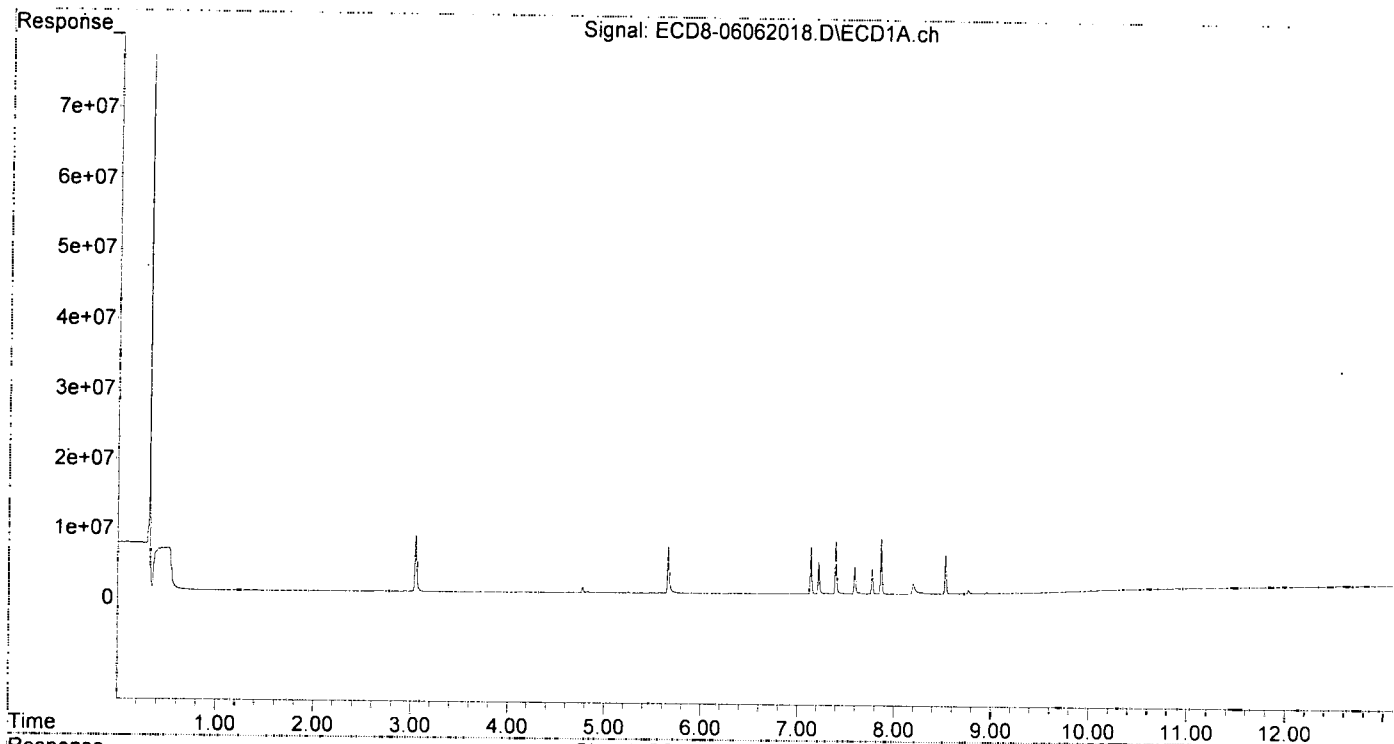
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.249f | 5.862 | 123604 | 126896 | 0.034 | 0.036 |
| 22) S DCBP (S) | 9.485 | 10.386 | 27054 | 24879 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.814 | 6.449 | 49959 | 36320 | 0.010 | 0.008 # |
| 3) g-BHC | 6.073f | 6.788 | 28512 | 7042 | 0.007 | 0.002 # |
| 4) b-BHC | 6.176 | 6.839 | 24800 | 22679 | 0.014 | 0.012 |
| 5) Heptachlor | 6.504 | 7.143 | 37004 | 32331 | 0.009 | 0.008 |
| 6) d-BHC | 6.332 | 7.094 | 17129 | 39567 | 0.038 | 0.046 |
| 7) Aldrin | 6.724f | 7.408 | 5749 | 5817 | 0.001 | 0.001 |
| 8) Heptachlo... | 7.216 | 7.845 | 4589279 | 22601 | 1.161 | 0.006 # |
| 9) trans-Chl... | 7.301 | 7.986 | 184856 | 4364012 | 0.046 | 1.143 # |
| 10) cis-Chlor... | 7.392 | 8.094 | 7594996 | 407448 | 1.888 | 0.109 # |
| 11) Endosulfa... | 7.496 | 8.158 | 63785 | 32203 | 0.017 | 0.009 # |
| 12) 4,4'-DDE | 7.460 | 8.209 | 106810 | 15691 | 0.029 | 0.011 # |
| 13) Dieldrin | 7.634f | 8.359 | 284064 | 4019825 | 0.070 | 1.043 # |
| 14) Endrin | 7.828 | 8.582 | 30764 | 3684050 | 0.009 | 1.246 # |
| 15) 4,4'-DDD | 7.862f | 8.617 | 8069719 | 7556685 | 2.828 | 2.848 |
| 16) Endosulfa... | 7.989 | 8.722 | 25023 | 31136 | 0.008 | 0.010 # |
| 17) 4,4'-DDT | 8.084 | 0.000 | 12961 | 0 | 0.015 | N.D. # |
| 18) Endrin Al... | 8.277 | 8.960 | 184012 | 136174 | BelowCal | 0.047 |
| 19) Endosulfa... | 8.582 | 9.151 | 79114 | 51800 | 0.027 | 0.017 # |
| 20) Methoxychlor | 0.000 | 9.335 | 0 | 18453 | N.D. | BelowCal |
| 21) Endrin Ke... | 8.764 | 9.536 | 497271 | 5247610 | 0.139 | 1.562 # |
| 23) Hexachlor... | 3.048 | 3.534 | 8189944 | 9258660 | 1.986 | 1.979 |
| 24) Hexachlor... | 5.657 | 6.315 | 6674738 | 6013960 | 1.998 | 1.933 |
| 25) Oxychlorane | 7.135 | 7.775 | 6851909 | 6318570 | 1.978 | 1.943 |
| 26) 2,4'-DDE | 7.216 | 7.986 | 4589279 | 4364012 | 1.918 | 1.830 |
| 27) trans-Non... | 7.392 | 8.050 | 7594996 | 7278851 | 1.931 | 1.980 |
| 28) 2,4'-DDD | 7.589 | 8.359 | 3914792 | 4019825 | 1.901 | 1.934 |
| 29) 2,4'-DDT | 7.770 | 8.582 | 3679380 | 3684050 | 1.855 | 1.823 |
| 30) cis-Nonac... | 7.862 | 8.617 | 8069719 | 7556685 | 1.963 | 1.891 |
| 31) Mirex | 8.527 | 9.536 | 5603738 | 5247610 | 1.980 | 2.062 |
| 32) Chlordane... | 7.301 | 7.986 | 184856 | 4364012 | 0.448 | 10.075 # |
| 33) Chlordane... | 7.392 | 8.094 | 7594996 | 407448 | 14.762 | 1.117 # |
| 34) Chlordane... | 7.910f | 8.773 | 47249 | 1582837 | 0.365 | 13.270 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.392 | 8.318 | 7594996 | 7121 | 473.015 | 0.217 # |
| 37) Toxaphene... | 7.634f | 0.000 | 284064 | 0 | 5.323 | N.D. # |
| 38) Toxaphene... | 7.989 | 8.722 | 25023 | 31136 | 0.345 | 0.493 # |
| 39) Toxaphene... | 8.193f | 8.773 | 1515964 | 1582837 | 15.409 | BelowCal # |
| 40) Toxaphene... | 0.000 | 8.960 | 0 | 136174 | N.D. | 2.319 # |
| 41) Toxaphene... | 8.527 | 9.335 | 5603738 | 18453 | 75.935 | 0.287 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:25
Operator : MJB
Sample : 0F06008-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 19:42
 Operator : MJB
 Sample : 0F06008-CALD
 Misc : A20C355, 9-42 5 ppb
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:00:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

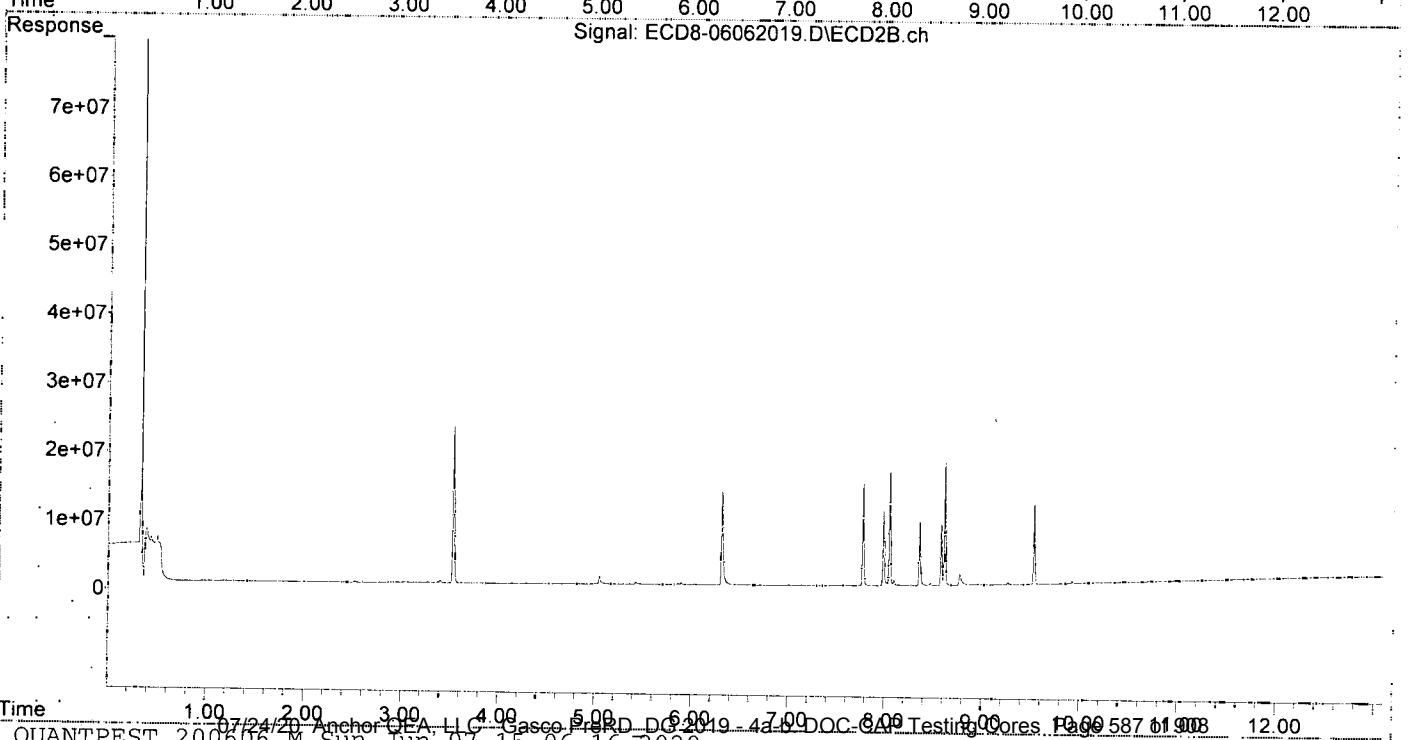
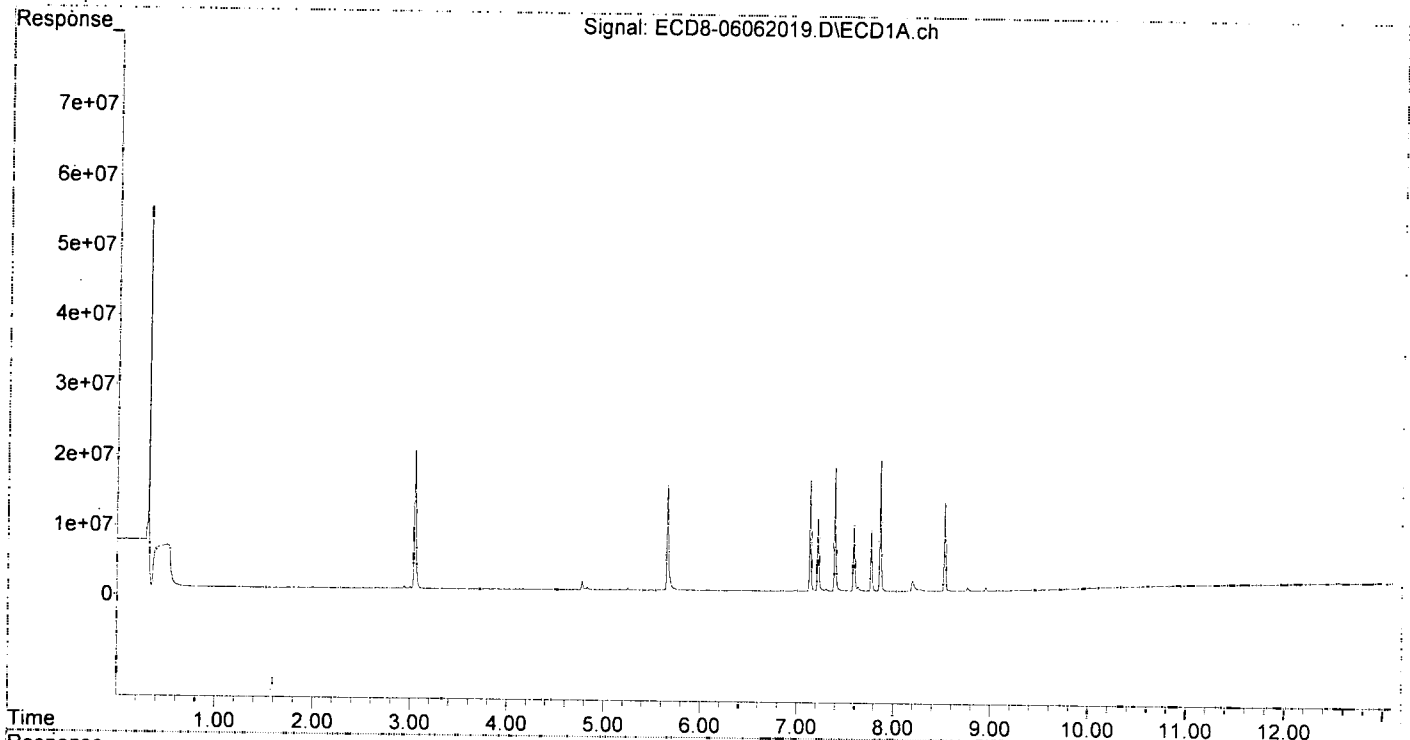
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.249f | 5.844 | 301208 | 49410 | 0.083 | 0.014 # |
| 22) S DCBP (S) | 9.481 | 10.388 | 23937 | 30129 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.816 | 6.444 | 70364 | 72587 | 0.014 | 0.015 |
| 3) g-BHC | 6.095 | 6.811f | 8304 | 11458 | 0.002 | 0.003 # |
| 4) b-BHC | 6.178 | 6.842 | 16774 | 23095 | 0.009 | 0.013 # |
| 5) Heptachlor | 6.505 | 7.142 | 59018 | 55957 | 0.015 | 0.013 |
| 6) d-BHC | 6.327 | 7.091 | 17902 | 36855 | 0.038 | 0.045 |
| 7) Aldrin | 6.754 | 7.401 | 13446 | 7767 | 0.003 | 0.002 # |
| 8) Heptachlo... | 7.216 | 0.000 | 10644145 | 0 | 2.693 | N.D. # |
| 9) trans-Chl... | 7.302 | 7.984 | 337353 | 10681498 | 0.084 | 2.798 # |
| 10) cis-Chlor... | 7.392 | 8.095 | 17817126 | 837073 | 4.700 | 0.225 # |
| 11) Endosulfa... | 7.499 | 8.152 | 128604 | 57340 | 0.035 | 0.017 # |
| 12) 4,4'-DDE | 7.499f | 8.206 | 128604 | 30341 | 0.035 | 0.015 # |
| 13) Dieldrin | 7.633f | 8.359 | 639311 | 9138537 | 0.158 | 2.370 # |
| 14) Endrin | 7.862f | 8.581 | 18915433 | 8951762 | 5.605 | 3.028 # |
| 15) 4,4'-DDD | 7.862f | 8.617 | 18915433 | 17752573 | 6.629 | 6.669 |
| 16) Endosulfa... | 7.991 | 8.718 | 34208 | 34030 | 0.011 | 0.011 |
| 17) 4,4'-DDT | 8.085 | 8.868 | 13760 | 103064 | 0.015 | 0.003 # |
| 18) Endrin Al... | 8.280 | 8.959 | 218891 | 118264 | BelowCal | 0.041 |
| 19) Endosulfa... | 8.576 | 9.151 | 106102 | 59219 | 0.036 | 0.020 # |
| 20) Methoxychlor | 0.000 | 9.332 | 0 | 17727 | N.D. | BelowCal |
| 21) Endrin Ke... | 8.763 | 9.536 | 474348 | 11563627 | 0.133 | 3.443 # |
| 23) Hexachlor... | 3.047 | 3.534 | 19829693 | 22664682 | 5.079 | 5.095 |
| 24) Hexachlor... | 5.657 | 6.314 | 15146184 | 13589298 | 4.769 | 4.596 |
| 25) Oxychlorane | 7.135 | 7.775 | 15911628 | 14761477 | 4.846 | 4.817 |
| 26) 2,4'-DDE | 7.216 | 7.984 | 10644145 | 10681498 | 4.447 | 4.823 |
| 27) trans-Non... | 7.392 | 8.050 | 17817126 | 16374211 | 4.910 | 4.765 |
| 28) 2,4'-DDD | 7.588 | 8.359 | 9382730 | 9138537 | 4.826 | 4.397 |
| 29) 2,4'-DDT | 7.769 | 8.581 | 8777458 | 8951762 | 4.654 | 4.649 |
| 30) cis-Nonac... | 7.862 | 8.617 | 18915433 | 17752573 | 4.600 | 4.442 |
| 31) Mirex | 8.527 | 9.536 | 12781446 | 11563627 | 4.927 | 4.883 |
| 32) Chlordane... | 7.302 | 7.984 | 337353 | 10681498 | 0.817 | 24.660 # |
| 33) Chlordane... | 7.392 | 8.095 | 17817126 | 837073 | 34.630 | 2.294 # |
| 34) Chlordane... | 0.000 | 8.773 | 0 | 1594489 | N.D. | 13.368 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.392 | 8.359f | 17817126 | 9138537 | 1100.255 | 278.497 # |
| 37) Toxaphene... | 7.633f | 0.000 | 639311 | 0 | 16.628 | N.D. # |
| 38) Toxaphene... | 7.991 | 8.718 | 34208 | 34030 | 0.472 | 0.539 |
| 39) Toxaphene... | 8.195f | 8.773 | 1539441 | 1594489 | 15.795 | BelowCal # |
| 40) Toxaphene... | 0.000 | 8.959 | 0 | 118264 | N.D. | 2.014 # |
| 41) Toxaphene... | 8.527 | 9.332 | 12781446 | 17727 | 173.199 | 0.276 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:42
Operator : MJB
Sample : 0F06008-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 19:58
 Operator : MJB
 Sample : 0F06008-CALE
 Misc : A20C356, 9-42 10 ppb
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:00:28 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

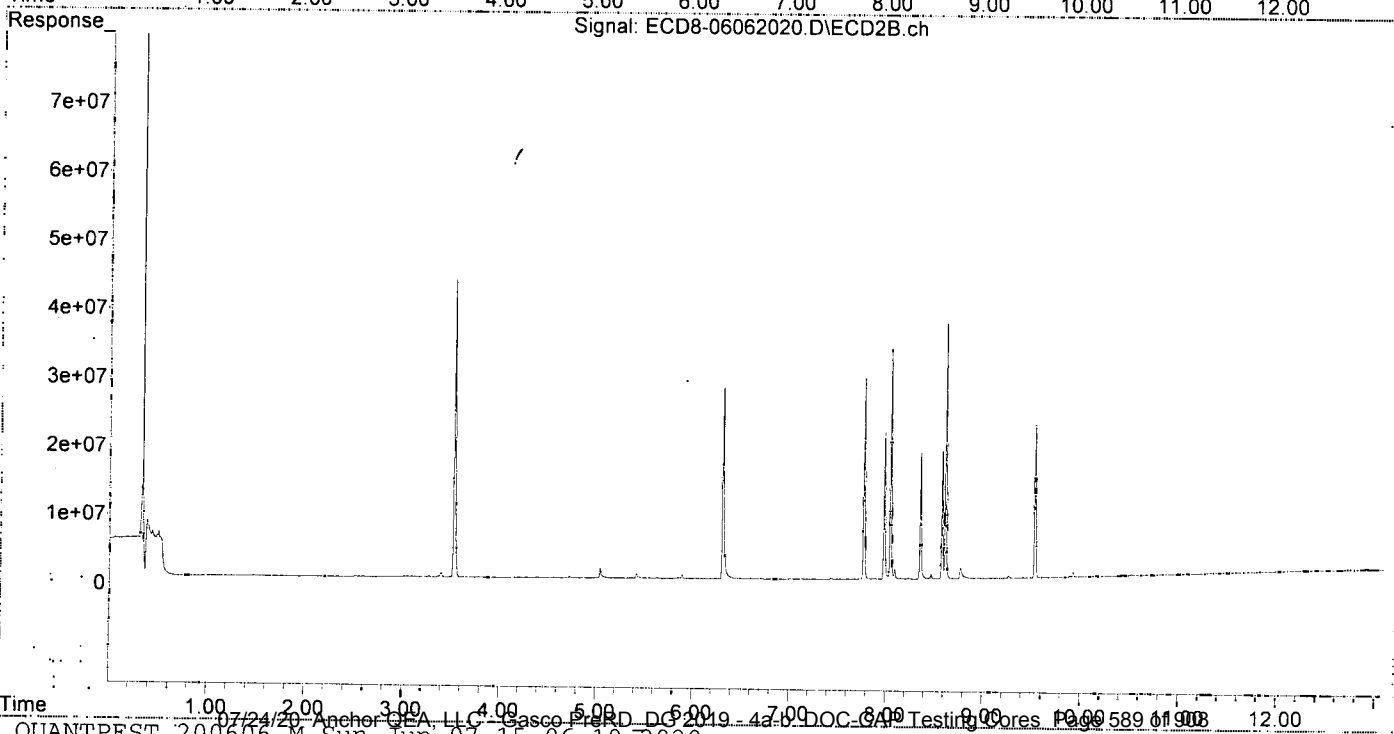
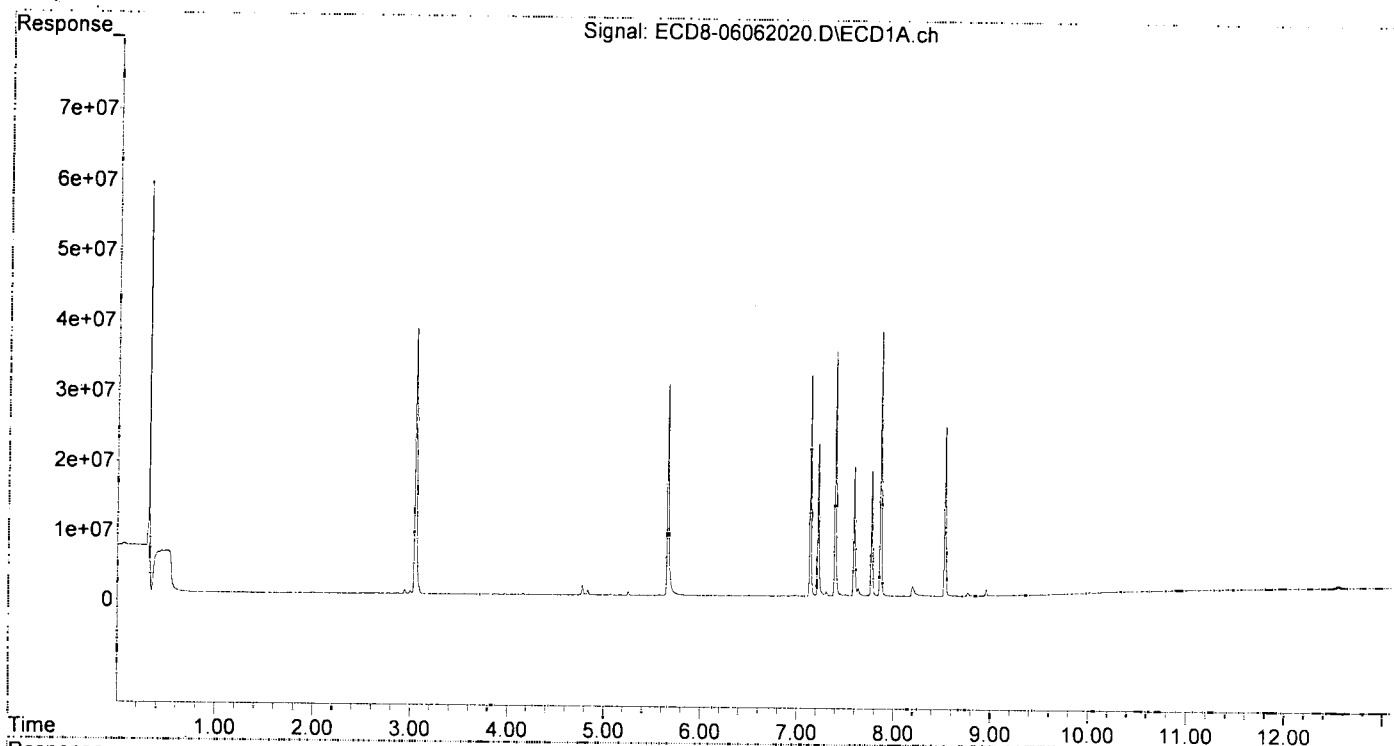
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.250f | 5.861 | 538318 | 156026 | 0.148 | 0.044 # |
| 22) S DCBP (S) | 0.000 | 10.382 | 0 | 35880 | N.D. | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.424f | 115678 | 174985 | 0.024 | 0.037 # |
| 3) g-BHC | 6.067f | 6.786 | 85615 | 14939 | 0.020 | 0.003 # |
| 4) b-BHC | 6.179 | 6.840 | 31515 | 21281 | 0.017 | 0.012 # |
| 5) Heptachlor | 6.505 | 7.141 | 116022 | 106367 | 0.029 | 0.025 |
| 6) d-BHC | 6.326 | 7.093 | 25591 | 48925 | 0.040 | 0.049 |
| 7) Aldrin | 6.756 | 7.395 | 10228 | 7161 | 0.002 | 0.002 |
| 8) Heptachlo... | 7.215 | 0.000 | 22083596 | 0 | 5.588 | N.D. # |
| 9) trans-Chl... | 7.302 | 7.984 | 639702 | 21303568 | 0.159 | 5.580 # |
| 10) cis-Chlor... | 7.392 | 8.094 | 35211712 | 1514183 | 9.459 | 0.406 # |
| 11) Endosulfa... | 7.500 | 8.157 | 226027 | 103746 | 0.061 | 0.031 # |
| 12) 4,4'-DDE | 7.500f | 8.206 | 226027 | 51388 | 0.062 | 0.021 # |
| 13) Dieldrin | 7.634f | 8.358 | 1150862 | 18319171 | 0.285 | 4.752 # |
| 14) Endrin | 7.862f | 8.582 | 37945033 | 18833586 | 11.244 | 6.370 # |
| 15) 4,4'-DDD | 7.862f | 8.617 | 37945033 | 37094585 | 13.299 | 13.765 |
| 16) Endosulfa... | 0.000 | 8.718 | 0 | 37526 | N.D. | 0.012 # |
| 17) 4,4'-DDT | 8.084 | 0.000 | 20302 | 0 | 0.018 | N.D. # |
| 18) Endrin Al... | 8.280 | 8.960 | 193280 | 92604 | BelowCal | 0.032 |
| 19) Endosulfa... | 0.000 | 9.151 | 0 | 38512 | N.D. | 0.013 # |
| 20) Methoxychlor | 8.422 | 9.329 | 18876 | 13331 | BelowCal | BelowCal |
| 21) Endrin Ke... | 8.764 | 9.536 | 474223 | 22120715 | 0.133 | 6.586 # |
| 23) Hexachlor... | 3.047 | 3.534 | 38036984 | 43322437 | 9.916 | 9.882 |
| 24) Hexachlor... | 5.656 | 6.314 | 30381416 | 27742495 | 9.726 | 9.509 |
| 25) Oxychlorane | 7.134 | 7.775 | 31811761 | 29171276 | 9.866 | 9.694 |
| 26) 2,4'-DDE | 7.215 | 7.984 | 22083596 | 21303568 | 9.227 | 9.799 |
| 27) trans-Non... | 7.392 | 8.049 | 35211712 | 33268899 | 9.961 | 9.908 |
| 28) 2,4'-DDD | 7.587 | 8.358 | 18731913 | 18319171 | 9.795 | 8.814 |
| 29) 2,4'-DDT | 7.769 | 8.582 | 18035412 | 18833586 | 9.693 | 9.870 |
| 30) cis-Nonac... | 7.862 | 8.617 | 37945033 | 37094585 | 9.228 | 9.281 |
| 31) Mirex | 8.527 | 9.536 | 24415174 | 22120715 | 9.701 | 9.583 |
| 32) Chlordane... | 7.302 | 7.984 | 639702 | 21303568 | 1.549 | 49.184 # |
| 33) Chlordane... | 7.392 | 8.094 | 35211712 | 1514183 | 68.438 | 4.150 # |
| 34) Chlordane... | 0.000 | 8.773 | 0 | 1554331 | N.D. | 13.031 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.392 | 8.316 | 35211712 | 8930 | 2131.327 | 0.272 # |
| 37) Toxaphene... | 7.634f | 0.000 | 1150862 | 0 | 32.910 | N.D. # |
| 38) Toxaphene... | 0.000 | 8.718 | 0 | 37526 | N.D. | 0.594 # |
| 39) Toxaphene... | 8.192f | 8.773 | 1464971 | 1554331 | 14.570 | BelowCal # |
| 40) Toxaphene... | 8.422f | 8.960 | 18876 | 92604 | 0.362 | 1.577 # |
| 41) Toxaphene... | 8.527 | 9.329 | 24415174 | 13331 | 330.845 | 0.207 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:58
Operator : MJB
Sample : 0F06008-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:28 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 20:15
 Operator : MJB
 Sample : 0F06008-CALF
 Misc : A20C357, 9-42 25 ppb
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:00:39 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*MJB
6/7/20*

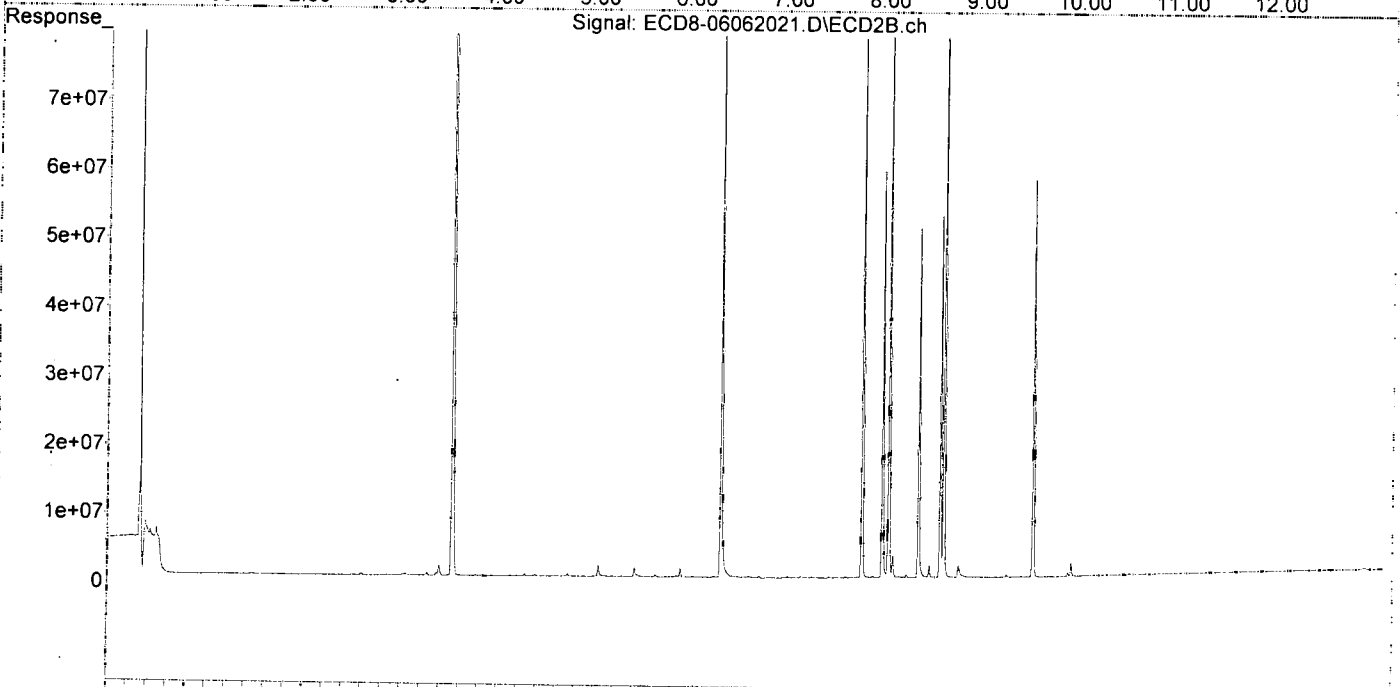
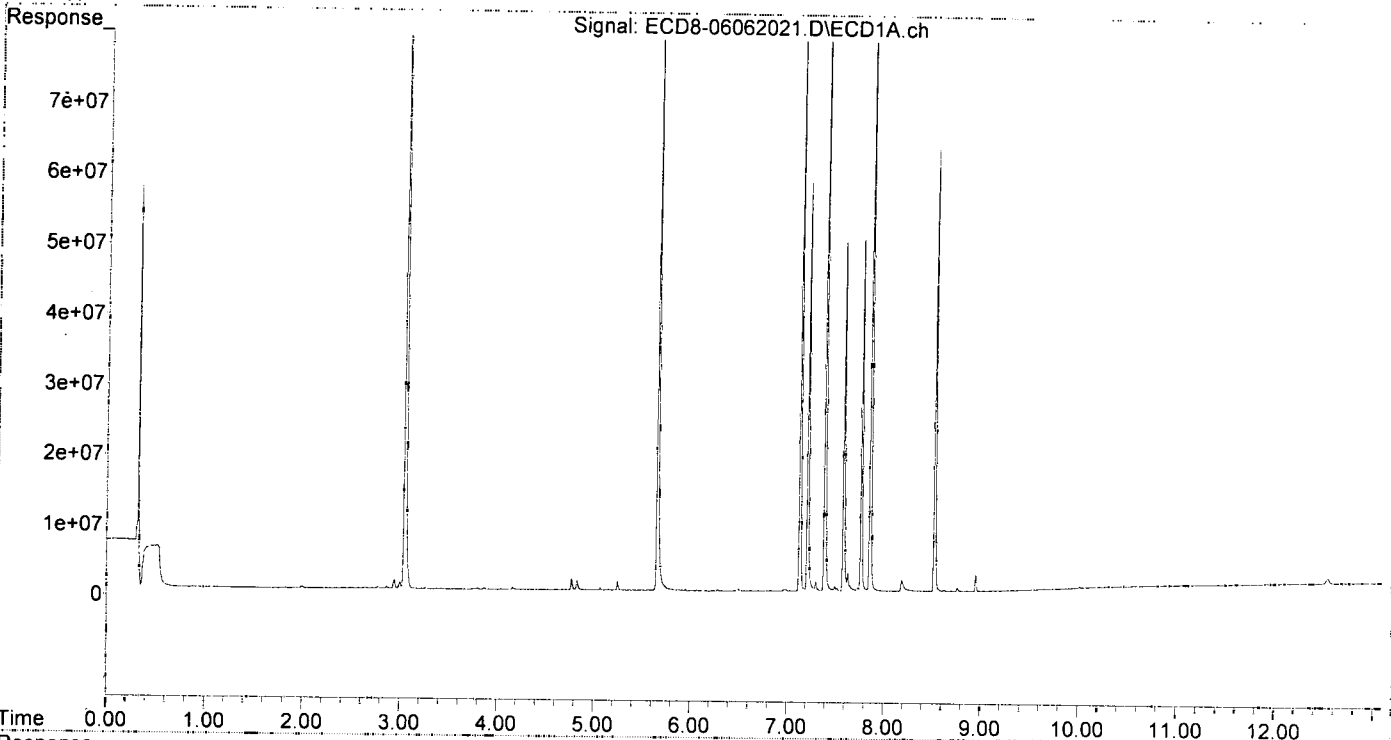
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | | |
| 1) | S TCMX (S) | 5.249f | 5.856 | 1240308 | 163621 | 0.340 | 0.046 # |
| 22) | S DCBP (S) | 9.482 | 10.385 | 60281 | 63188 | BelowCal | BelowCal |
| Target Compounds | | | | | | | |
| 2) | a-BHC | 5.809 | 6.431f | 239331 | 290947 | 0.049 | 0.061 |
| 3) | g-BHC | 6.094 | 6.784 | 93914 | 108688 | 0.022 | 0.025 |
| 4) | b-BHC | 6.167 | 6.840 | 102463 | 110091 | 0.057 | 0.060 |
| 5) | Heptachlor | 6.503 | 7.141 | 309783 | 308024 | 0.078 | 0.073 |
| 6) | d-BHC | 6.324 | 7.096 | 92836 | 120196 | 0.060 | 0.068 |
| 7) | Aldrin | 6.763 | 7.405 | 55524 | 40884 | 0.013 | 0.010 |
| 8) | Heptachlo... | 7.214 | 7.828 | 58290492 | 240902 | 14.750 | 0.064 # |
| 9) | trans-Chl... | 7.301 | 7.983 | 1350698 | 58724684 | 0.336 | 15.381 # |
| 10) | cis-Chlor... | 7.390 | 8.093 | 90111332 | 3169229 | 24.277 | 0.851 # |
| 11) | Endosulfa... | 7.498 | 8.161 | 746111 | 184976 | 0.203 | 0.055 # |
| 12) | 4,4'-DDE | 7.498f | 8.206 | 746111 | 158730 | 0.204 | 0.054 # |
| 13) | Dieldrin | 7.633f | 8.357 | 2624022 | 50440715 | 0.650 | 13.083 # |
| 14) | Endrin | 7.861f | 8.581 | 97417447 | 52198495 | 28.868 | 17.656 # |
| 15) | 4,4'-DDD | 7.861f | 8.617 | 97417447 | 96357003 | 34.143 | 34.389 |
| 16) | Endosulfa... | 8.013f | 8.718 | 122870 | 58209 | 0.040 | 0.019 # |
| 17) | 4,4'-DDT | 8.084 | 8.847 | 124557 | 160089 | 0.064 | 0.026 # |
| 18) | Endrin Al... | 8.278 | 8.961 | 238734 | 68767 | BelowCal | 0.024 |
| 19) | Endosulfa... | 0.000 | 9.152 | 0 | 39593 | N.D. | 0.013 # |
| 20) | Methoxychlor | 8.425 | 9.332 | 87730 | 30985 | BelowCal | BelowCal |
| 21) | Endrin Ke... | 8.761 | 9.535 | 499135 | 57280592 | 0.140 | 17.054 # |
| 23) | Hexachlor... | 3.048 | 3.534 | 95294680 | 111.2E6 | 25.121 | 25.472 |
| 24) | Hexachlor... | 5.656 | 6.313 | 79880115 | 79728985 | 25.615 | 26.932 |
| 25) | Oxychlorane | 7.133 | 7.774 | 81758626 | 78433559 | 25.513 | 26.106 |
| 26) | 2,4'-DDE | 7.214 | 7.983 | 58290492 | 58724684 | 24.355 | 26.810 |
| 27) | trans-Non... | 7.390 | 8.050 | 90111332 | 87275991 | 25.754 | 26.096 |
| 28) | 2,4'-DDD | 7.585 | 8.357 | 49825773 | 50440715 | 26.046 | 24.270 |
| 29) | 2,4'-DDT | 7.768 | 8.581 | 50321319 | 52198495 | 26.842 | 26.789 |
| 30) | cis-Nonac... | 7.861 | 8.617 | 97417447 | 96357003 | 23.691 | 24.108 |
| 31) | Mirex | 8.527 | 9.535 | 62846910 | 57280592 | 25.431 | 25.096 |
| 32) | Chlordane... | 7.301 | 7.983 | 1350698 | 58724684 | 3.270 | 135.578 # |
| 33) | Chlordane... | 7.390 | 8.093 | 90111332 | 3169229 | 175.143 | 8.687 # |
| 34) | Chlordane... | 0.000 | 8.770 | 0 | 1636426 | N.D. | 13.720 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.390 | 8.317 | 90111332 | 8783 | 5136.883 | 0.268 # |
| 37) | Toxaphene... | 7.633f | 0.000 | 2624022 | 0 | 79.816 | N.D. # |
| 38) | Toxaphene... | 8.013f | 8.718 | 122870 | 58209 | 1.694 | 0.921 # |
| 39) | Toxaphene... | 8.191f | 8.770 | 1626593 | 1636426 | 17.229 | BelowCal # |
| 40) | Toxaphene... | 8.425f | 8.961 | 87730 | 68767 | 1.684 | 1.171 # |
| 41) | Toxaphene... | 8.527 | 9.332 | 62846910 | 30985 | 851.625 | 0.482 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:15
Operator : MJB
Sample : 0F06008-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:39 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 20:31
 Operator : MJB
 Sample : 0F06008-CALG
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:00:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

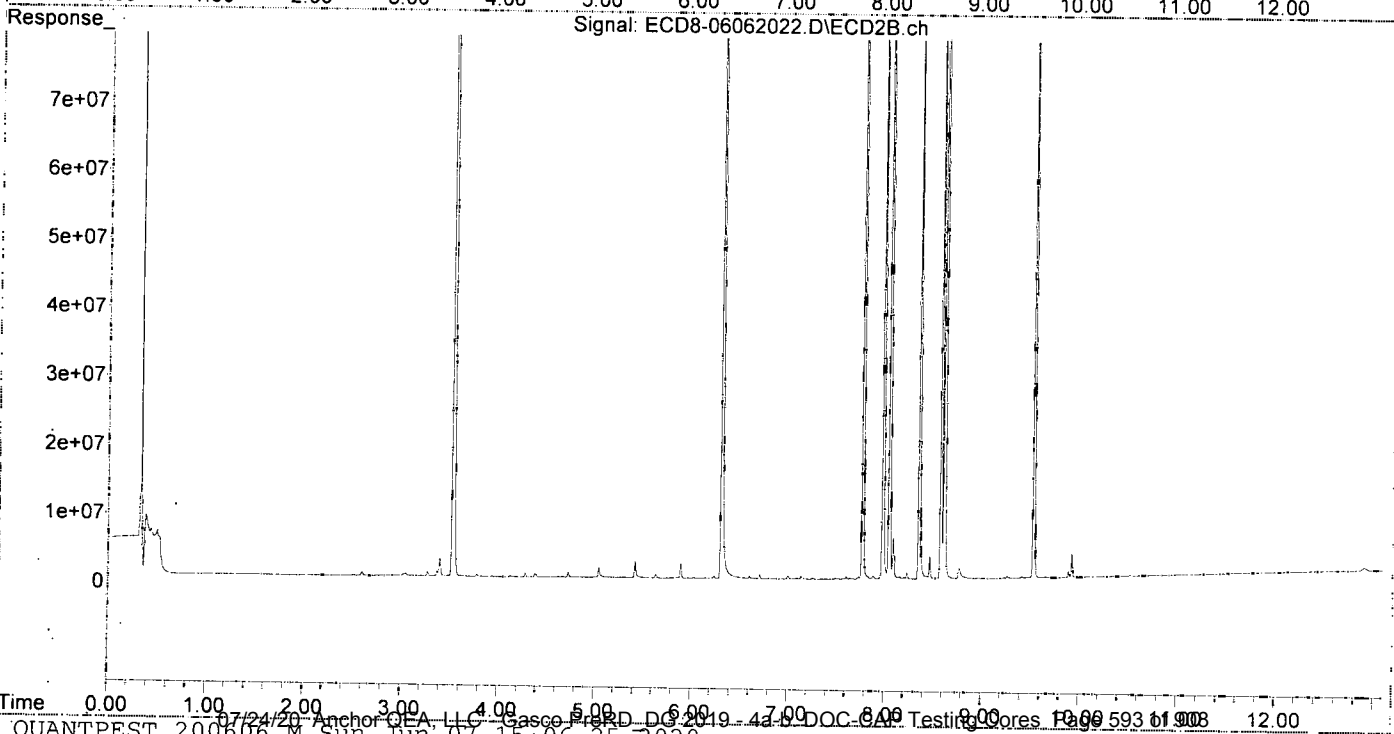
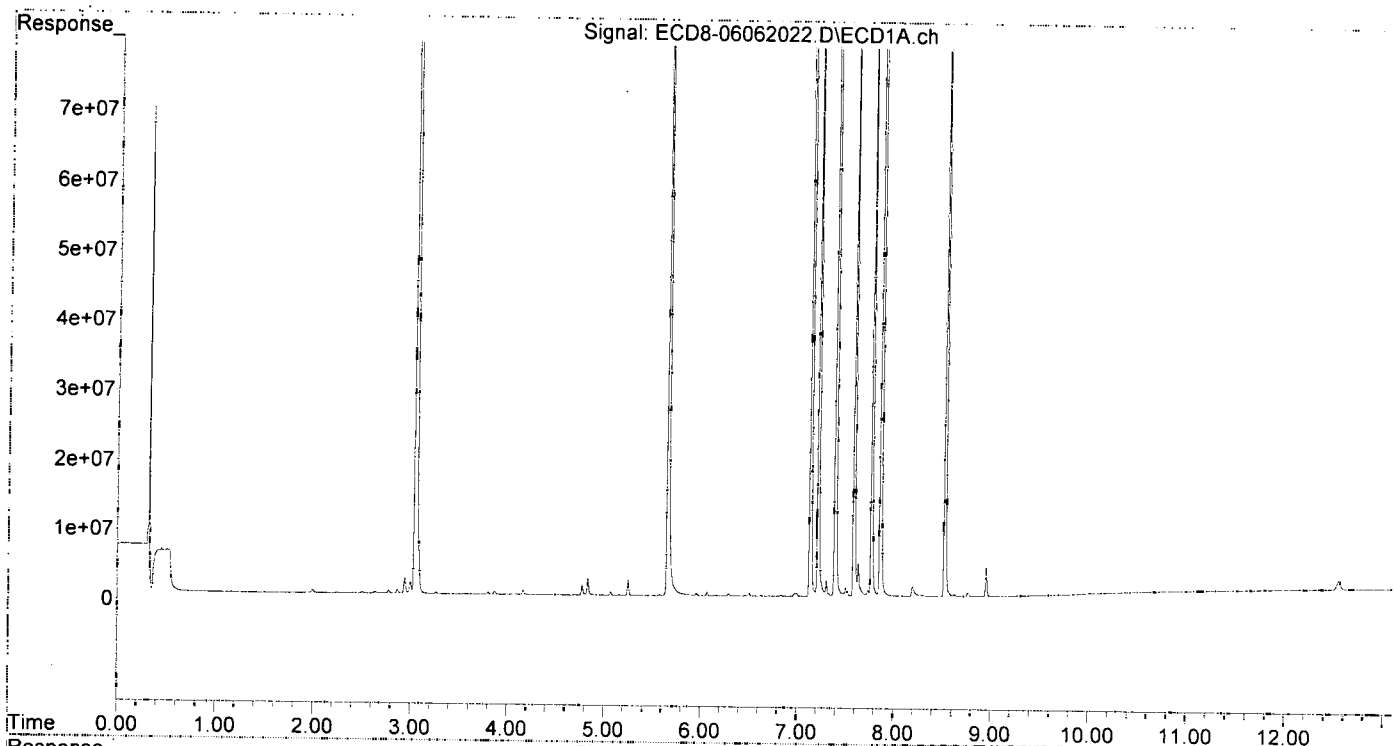
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL | |
|-----------------------------|--------------|--------|--------|----------|----------|----------|----------|---|
| System Monitoring Compounds | | | | | | | | |
| 1) | S TCMX (S) | 5.249f | 5.859 | 2278604 | 114210 | 0.625 | 0.032 | # |
| 22) | S DCBP (S) | 9.484 | 10.385 | 26895 | 20181 | BelowCal | BelowCal | |
| Target Compounds | | | | | | | | |
| 2) | a-BHC | 0.000 | 6.492f | 0 | 193846 | N.D. | 0.041 | # |
| 3) | g-BHC | 6.067f | 6.771 | 551919 | 9179 | 0.129 | 0.002 | # |
| 4) | b-BHC | 6.149f | 6.841 | 61264 | 24494 | 0.034 | 0.013 | # |
| 5) | Heptachlor | 6.505 | 7.142 | 451498 | 434893 | 0.114 | 0.103 | |
| 6) | d-BHC | 6.290f | 7.106 | 381111 | 113271 | 0.145 | 0.066 | # |
| 7) | Aldrin | 6.709f | 7.402 | 92784 | 27193 | 0.022 | 0.007 | # |
| 8) | Heptachlo... | 7.214 | 7.827 | 112.8E6 | 475984 | 28.537 | 0.126 | # |
| 9) | trans-Chl... | 7.302 | 7.983 | 2306234 | 115.7E6 | 0.573 | 30.310 | # |
| 10) | cis-Chlor... | 7.391 | 8.093 | 177.0E6 | 5905244 | 47.124 | 1.585 | # |
| 11) | Endosulfa... | 7.499 | 8.159 | 1274676 | 361809 | 0.346 | 0.107 | # |
| 12) | 4,4'-DDE | 7.477 | 8.205 | 463690 | 283934 | 0.127 | 0.092 | # |
| 13) | Dieldrin | 7.633f | 8.357 | 4742186 | 98432282 | 1.175 | 25.531 | # |
| 14) | Endrin | 7.861f | 8.581 | 194.0E6 | 104.0E6 | 57.480 | 35.166 | # |
| 15) | 4,4'-DDD | 7.861f | 8.617 | 194.0E6 | 189.8E6 | 67.982 | 64.133 | # |
| 16) | Endosulfa... | 8.014f | 0.000 | 134972 | 0 | 0.044 | N.D. | # |
| 17) | 4,4'-DDT | 8.084 | 8.848 | 108251 | 203374 | 0.057 | 0.044 | |
| 18) | Endrin Al... | 8.289 | 8.963 | 241893 | 91700 | BelowCal | 0.032 | |
| 19) | Endosulfa... | 0.000 | 9.149 | 0 | 32180 | N.D. | 0.011 | # |
| 20) | Methoxychlor | 0.000 | 9.332 | 0 | 36937 | N.D. | BelowCal | |
| 21) | Endrin Ke... | 8.764 | 9.536 | 496552 | 111.5E6 | 0.139 | 33.187 | # |
| 23) | Hexachlor... | 3.048 | 3.535 | 181.1E6 | 210.7E6 | 47.895 | 47.977 | # |
| 24) | Hexachlor... | 5.656 | 6.313 | 160.0E6 | 159.2E6 | 50.680 | 51.936 | # |
| 25) | Oxychlorane | 7.134 | 7.774 | 157.3E6 | 153.9E6 | 48.860 | 50.530 | # |
| 26) | 2,4'-DDE | 7.214 | 7.983 | 112.8E6 | 115.7E6 | 47.123 | 51.342 | # |
| 27) | trans-Non... | 7.391 | 8.050 | 177.0E6 | 168.3E6 | 50.297 | 49.695 | # |
| 28) | 2,4'-DDD | 7.586 | 8.357 | 97515455 | 98432282 | 50.199 | 47.361 | # |
| 29) | 2,4'-DDT | 7.768 | 8.581 | 99153199 | 104.0E6 | 51.650 | 51.210 | # |
| 30) | cis-Nonac... | 7.861 | 8.617 | 194.0E6 | 189.8E6 | 47.173 | 47.488 | # |
| 31) | Mirex | 8.527 | 9.536 | 121.8E6 | 111.5E6 | 49.444 | 48.602 | # |
| 32) | Chlordane... | 7.302 | 7.983 | 2306234 | 115.7E6 | 5.583 | 267.173 | # |
| 33) | Chlordane... | 7.391 | 8.093 | 177.0E6 | 5905244 | 343.945 | 16.186 | # |
| 34) | Chlordane... | 0.000 | 8.774 | 0 | 1516202 | N.D. | 12.712 | # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |
| 36) | Toxaphene... | 7.391 | 8.357f | 177.0E6 | 98432282 | 9321.945 | 2999.722 | # |
| 37) | Toxaphene... | 7.633f | 8.675 | 4742186 | 311778 | 147.302 | 7.321 | # |
| 38) | Toxaphene... | 8.014f | 8.675f | 134972 | 311778 | 1.861 | 4.934 | # |
| 39) | Toxaphene... | 8.194f | 8.774 | 1437320 | 1516202 | 14.115 | BelowCal | # |
| 40) | Toxaphene... | 0.000 | 8.963 | 0 | 91700 | N.D. | 1.562 | # |
| 41) | Toxaphene... | 8.527 | 9.332 | 121.8E6 | 36937 | 1650.421 | 0.575 | # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. | |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:31
Operator : MJB
Sample : 0F06008-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 20:48
 Operator : MJB
 Sample : 0F06008-CALH
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:01:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

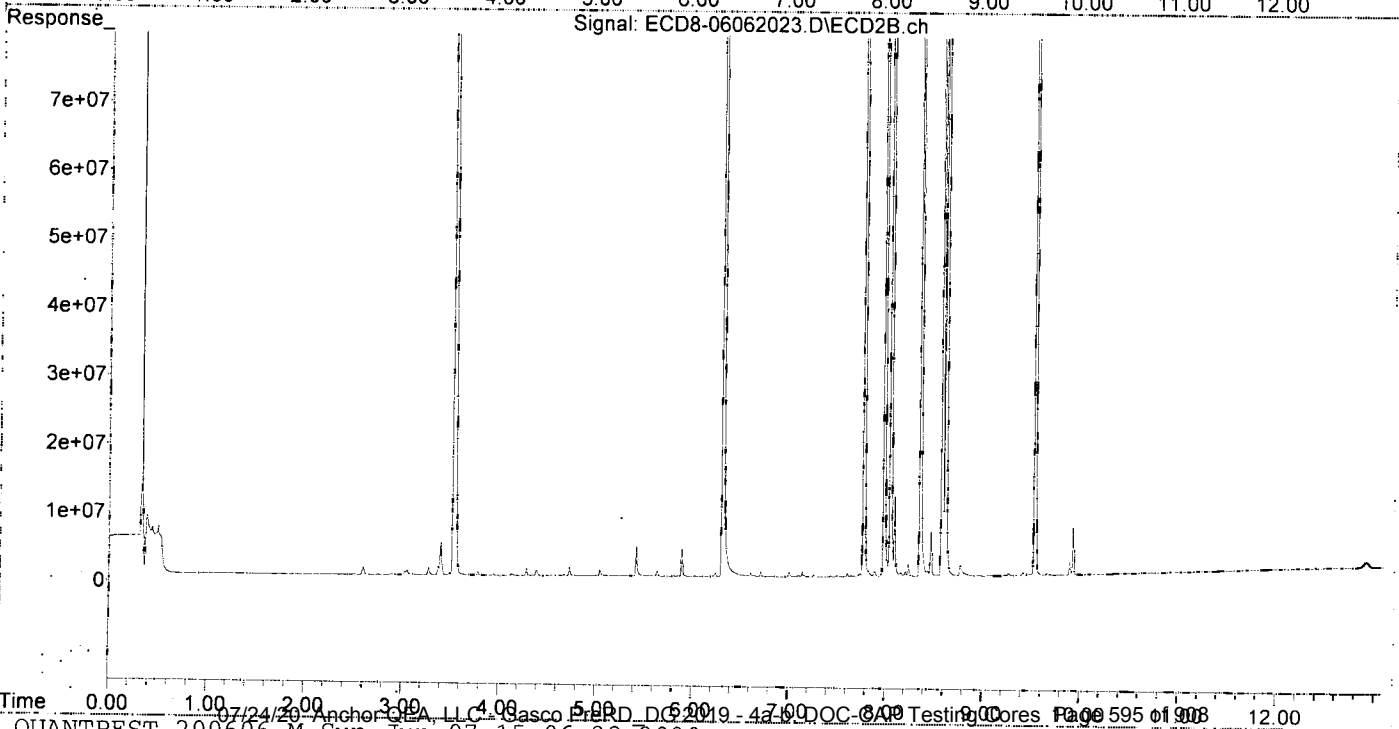
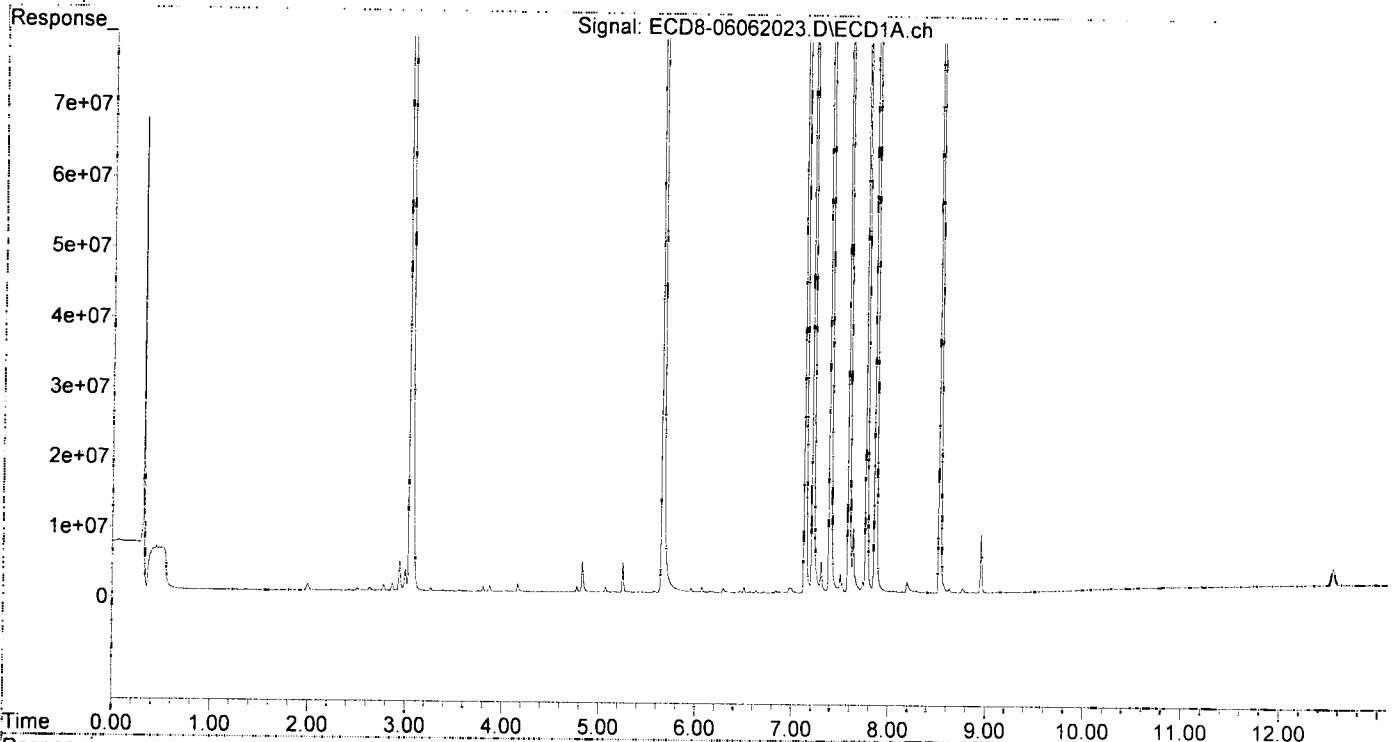
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.249f | 5.844 | 4244313 | 51931 | 1.164 | 0.015 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.068f | 6.781 | 805694 | 84423 | 0.189 | 0.020 # |
| 4) b-BHC | 6.188 | 6.842 | 101251 | 75866 | 0.056 | 0.042 # |
| 5) Heptachlor | 6.506 | 7.141 | 808363 | 802887 | 0.204 | 0.189 |
| 6) d-BHC | 6.290f | 7.105 | 630291 | 192707 | 0.218 | 0.087 # |
| 7) Aldrin | 6.736 | 7.398 | 30144 | 36638 | 0.007 | 0.009 # |
| 8) Heptachlo... | 7.213 | 7.828 | 231.3E6 | 868723 | 58.532 | 0.231 # |
| 9) trans-Chl... | 7.301 | 7.983 | 4467047 | 247.4E6 | 1.110 | 64.799 # |
| 10) cis-Chlor... | 7.391 | 8.094 | 366.4E6 | 11605707 | 94.703 | 3.115 # |
| 11) Endosulfa... | 7.499 | 8.160 | 2762485 | 615681 | 0.750 | 0.182 # |
| 12) 4,4'-DDE | 7.476 | 8.205 | 756147 | 768887 | 0.206 | 0.239 |
| 13) Dieldrin | 7.633f | 8.357 | 9188140 | 208.4E6 | 2.276 | 54.056 # |
| 14) Endrin | 7.861f | 8.581 | 396.8E6 | 230.9E6 | 117.578 | 78.115 # |
| 15) 4,4'-DDD | 7.861f | 8.617 | 396.8E6 | 394.5E6 | 139.062 | 120.953 |
| 16) Endosulfa... | 8.014f | 0.000 | 290520 | 0 | 0.095 | N.D. # |
| 17) 4,4'-DDT | 8.084 | 8.849 | 249156 | 309895 | 0.119 | 0.087 # |
| 18) Endrin Al... | 8.289 | 8.964 | 320688 | 138107 | BelowCal | 0.048 |
| 19) Endosulfa... | 0.000 | 9.149 | 0 | 35906 | N.D. | 0.012 # |
| 20) Methoxychlor | 0.000 | 9.331 | 0 | 64464 | N.D. | BelowCal |
| 21) Endrin Ke... | 8.766 | 9.536 | 555391 | 238.4E6 | 0.156 | 70.983 # |
| 23) Hexachlor... | 3.049 | 3.534 | 363.4E6 | 428.8E6 | 96.181 | 95.903 |
| 24) Hexachlor... | 5.657 | 6.313 | 328.0E6 | 337.8E6 | 100.857 | 102.520 |
| 25) Oxychlorane | 7.134 | 7.775 | 326.9E6 | 322.2E6 | 99.855 | 102.165 |
| 26) 2,4'-DDE | 7.213 | 7.983 | 231.3E6 | 247.4E6 | 96.652 | 102.978 |
| 27) trans-Non... | 7.391 | 8.050 | 366.4E6 | 358.6E6 | 102.094 | 102.345 |
| 28) 2,4'-DDD | 7.585 | 8.357 | 204.1E6 | 208.4E6 | 101.221 | 100.277 |
| 29) 2,4'-DDT | 7.768 | 8.581 | 208.6E6 | 230.9E6 | 103.160 | 104.198 |
| 30) cis-Nonac... | 7.861 | 8.617 | 396.8E6 | 394.5E6 | 96.494 | 98.701 |
| 31) Mirex | 8.527 | 9.536 | 244.0E6 | 238.4E6 | 98.774 | 101.906 |
| 32) Chlordane... | 7.301 | 7.983 | 4467047 | 247.4E6 | 10.814 | 571.190 # |
| 33) Chlordane... | 7.391 | 8.094 | 366.4E6 | 11605707 | 712.117 | 31.810 # |
| 34) Chlordane... | 0.000 | 8.772 | 0 | 1660723 | N.D. | 13.923 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.391 | 8.357f | 366.4E6 | 208.4E6 | 16948.913 | 6351.268 # |
| 37) Toxaphene... | 7.633f | 0.000 | 9188140 | 0 | 289.123 | N.D. # |
| 38) Toxaphene... | 8.014f | 0.000 | 290520 | 0 | 4.005 | N.D. # |
| 39) Toxaphene... | 8.194f | 8.772 | 1535723 | 1660723 | 15.734 | BelowCal # |
| 40) Toxaphene... | 0.000 | 8.964 | 0 | 138107 | N.D. | 2.352 # |
| 41) Toxaphene... | 8.527 | 9.331 | 244.0E6 | 64464 | 3305.757 | 1.003 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:48
Operator : MJB
Sample : 0F06008-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 21:04
 Operator : MJB
 Sample : 0F06008-CALI
 Misc : A20C352, 9-42 200 ppb
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:01:14 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*MJB
6/7/20*

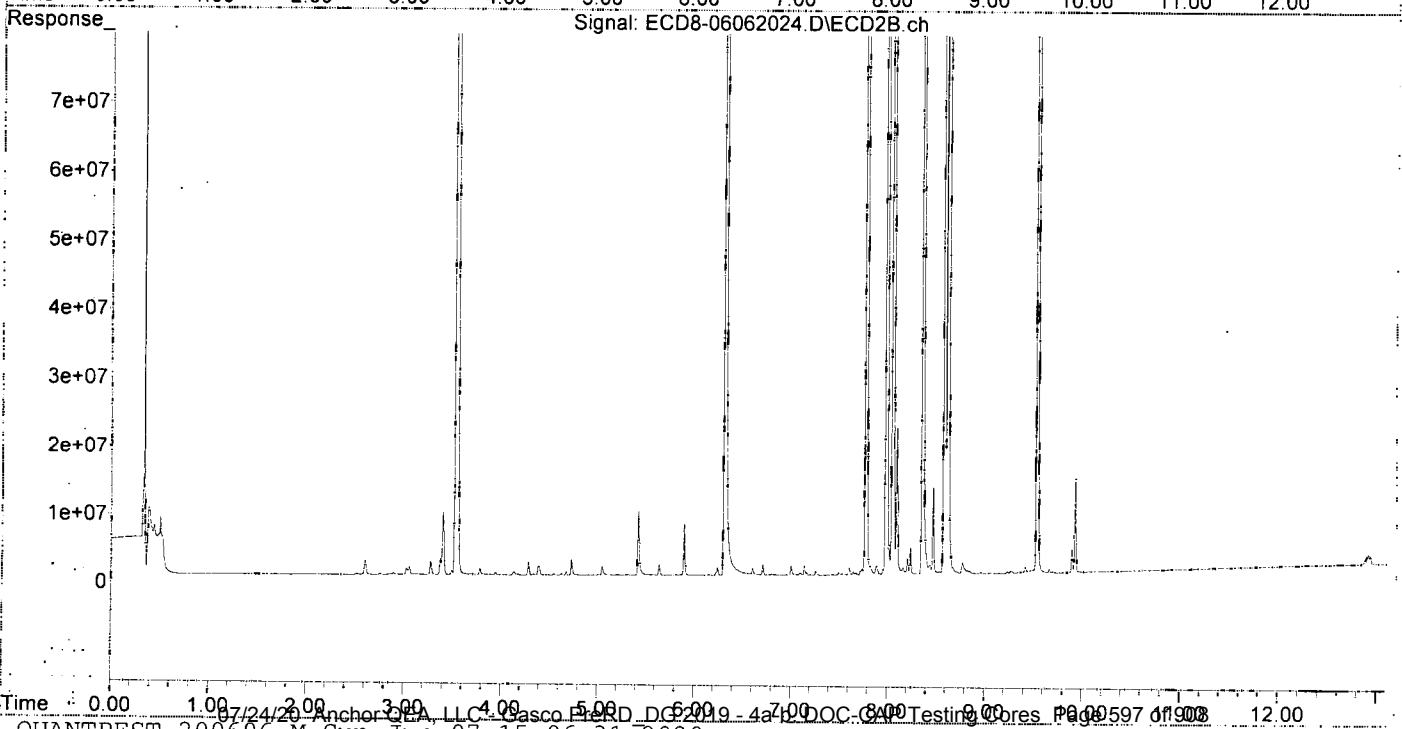
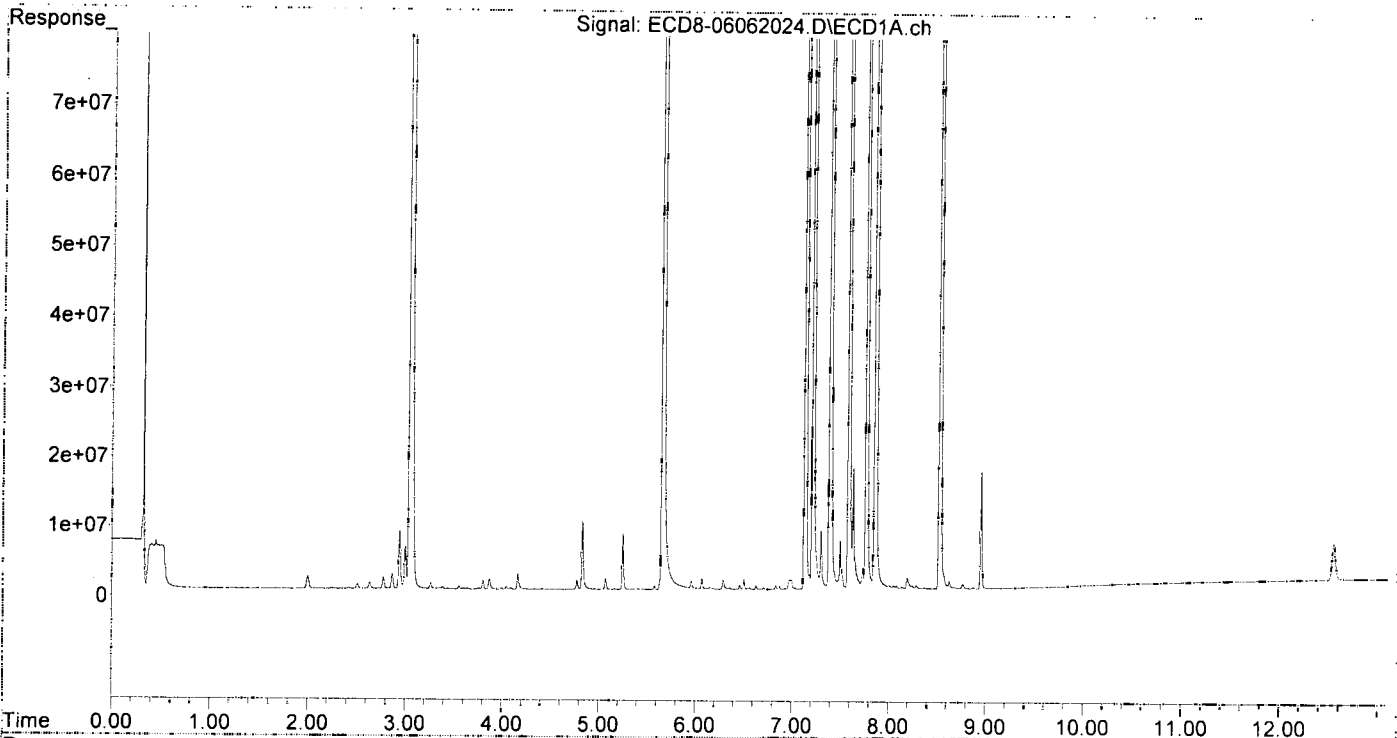
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|---------------------|--------|--------|----------|----------|-----------|-------------|
| System Monitoring Compounds | | | | | | | |
| 1) | S TCMX (S) | 5.249f | 5.859 | 7992791 | 148108 | 2.191 | 0.042 # |
| 22) | S DCBP (S) | 9.484 | 10.394 | 39481 | 15662 | BelowCal | BelowCal |
| Target Compounds | | | | | | | |
| 2) | a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) | g-BHC | 6.068f | 6.782 | 1699536 | 156746 | 0.398 | 0.037 # |
| 4) | b ¹ -BHC | 6.151f | 6.843 | 324223 | 142062 | 0.180 | 0.078 # |
| 5) | Heptachlor | 6.505 | 7.142 | 1520423 | 1486371 | 0.385 | 0.351 |
| 6) | d-BHC | 6.288f | 7.105 | 1379378 | 384143 | 0.437 | 0.139 # |
| 7) | Aldrin | 6.736 | 7.403 | 48939 | 65755 | 0.011 | 0.016 # |
| 8) | Heptachlo... | 7.213 | 7.828 | 484.6E6 | 1403502 | 122.633 | 0.373 # |
| 9) | trans-Chl... | 7.301 | 7.983 | 8404883 | 523.6E6 | 2.089 | 137.134 # |
| 10) | cis-Chlor... | 7.391 | 8.094 | 736.3E6 | 21386293 | 180.295 | 5.740 # |
| 11) | Endosulfa... | 7.499 | 8.160 | 6906995 | 1086862 | 1.876 | 0.320 # |
| 12) | 4,4'-DDE | 7.477 | 8.206 | 1238555 | 2384745 | 0.338 | 0.727 # |
| 13) | Dieldrin | 7.633f | 8.358 | 17346617 | 447.2E6 | 4.297 | 115.993 # |
| 14) | Endrin | 7.862f | 8.582 | 807.5E6 | 495.5E6 | 239.283 | 167.601 # |
| 15) | 4,4'-DDD | 7.862f | 8.618 | 807.5E6 | 857.8E6 | 283.004 | 224.878 |
| 16) | Endosulfa... | 8.014f | 0.000 | 533670 | 0 | 0.175 | N.D. # |
| 17) | 4,4'-DDT | 8.084 | 8.849 | 489841 | 507769 | 0.225 | 0.166 # |
| 18) | Endrin Al... | 8.290 | 8.964 | 515881 | 251742 | BelowCal | 0.087 |
| 19) | Endosulfa... | 0.000 | 9.150 | 0 | 36905 | N.D. | 0.012 # |
| 20) | Methoxychlor | 8.406 | 9.338 | 40993 | 113491 | BelowCal | BelowCal |
| 21) | Endrin Ke... | 8.768 | 9.537 | 649693 | 486.1E6 | 0.182 | 144.732 # |
| 23) | Hexachlor... | 3.049 | 3.536 | 778.2E6 | 957.1E6 | 205.724 | 205.161 |
| 24) | Hexachlor... | 5.657 | 6.313 | 684.1E6 | 729.6E6 | 198.523 | 195.898 |
| 25) | Oxychlordan | 7.135 | 7.775 | 680.8E6 | 662.5E6 | 200.914 | 197.152 |
| 26) | 2,4'-DDE | 7.213 | 7.983 | 484.6E6 | 523.6E6 | 202.499 | 195.663 |
| 27) | trans-Non... | 7.391 | 8.050 | 736.3E6 | 736.7E6 | 197.308 | 197.548 |
| 28) | 2,4'-DDD | 7.585 | 8.358 | 428.4E6 | 447.2E6 | 198.256 | 215.174 |
| 29) | 2,4'-DDT | 7.768 | 8.582 | 431.1E6 | 495.5E6 | 195.214 | 195.100 |
| 30) | cis-Nonac... | 7.862 | 8.618 | 807.5E6 | 857.8E6 | 196.375 | 214.621 |
| 31) | Mirex | 8.528 | 9.537 | 503.2E6 | 486.1E6 | 201.625 | 199.742 |
| 32) | Chlordane... | 7.301 | 7.983 | 8404883 | 523.6E6 | 20.348 | 1208.805 # |
| 33) | Chlordane... | 7.391 | 8.094 | 736.3E6 | 21386293 | 1431.070 | 58.618 # |
| 34) | Chlordane... | 0.000 | 8.773 | 0 | 1696109 | N.D. | 14.220 # |
| 35) | Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) | Toxaphene... | 7.391 | 8.358f | 736.3E6 | 447.2E6 | 28680.851 | 13628.548 # |
| 37) | Toxaphene... | 7.633f | 8.676 | 17346617 | 953276 | 549.970 | 22.385 # |
| 38) | Toxaphene... | 8.014f | 8.676f | 533670 | 953276 | 7.356 | 15.087 # |
| 39) | Toxaphene... | 8.247f | 8.773 | 436387 | 1696109 | BelowCal | 0.338 |
| 40) | Toxaphene... | 0.000 | 8.964 | 0 | 251742 | N.D. | 4.287 # |
| 41) | Toxaphene... | 8.528 | 9.338 | 503.2E6 | 113491 | 6819.277 | 1.767 # |
| 42) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:04
Operator : MJB
Sample : 0F06008-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 21:54
 Operator : MJB
 Sample : 0F06008-CALJ
 Misc : A20F083, CHLOR 10 ppb
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:01:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.861 | 0 | 262058 | N.D. | 0.074 # |
| 22) S DCBP (S) | 9.484 | 10.394 | 207310 | 152475 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.817 | 6.479f | 16921 | 123214 | 0.003 | 0.026 # |
| 3) g-BHC | 6.067f | 6.776 | 140339 | 61801 | 0.033 | 0.014 # |
| 4) b-BHC | 6.174 | 6.835 | 23018 | 13633 | 0.013 | 0.007 # |
| 5) Heptachlor | 6.505 | 7.141 | 2025134 | 2085654 | 0.512 | 0.492 |
| 6) d-BHC | 6.325 | 7.093 | 60625 | 30857 | 0.051 | 0.044 |
| 7) Aldrin | 6.749 | 7.373f | 21825 | 71917 | 0.005 | 0.018 # |
| 8) Heptachlo... | 7.217 | 7.866 | 424700 | 100221 | 0.107 | 0.027 # |
| 9) trans-Chl... | 7.304 | 7.986 | 4408504 | 4481852 | 1.096 | 1.174 |
| 10) cis-Chlor... | 7.398 | 8.094 | 5647776 | 3943445 | 1.351 | 1.058 |
| 11) Endosulfa... | 7.516f | 8.151 | 148614 | 59069 | 0.040 | 0.017 # |
| 12) 4,4'-DDE | 7.452 | 8.216 | 221166 | 127406 | 0.060 | 0.044 # |
| 13) Dieldrin | 7.682 | 8.346 | 163185 | 320204 | 0.040 | 0.083 # |
| 14) Endrin | 7.862f | 8.571 | 905275 | 101483 | 0.268 | 0.034 # |
| 15) 4,4'-DDD | 7.862f | 8.618 | 905275 | 907250 | 0.317 | 0.323 |
| 16) Endosulfa... | 7.993 | 8.708 | 123890 | 124653 | 0.041 | 0.041 |
| 17) 4,4'-DDT | 8.087 | 8.851 | 55548 | 180013 | 0.034 | 0.034 |
| 18) Endrin Al... | 8.277 | 8.958 | 200862 | 122795 | BelowCal | 0.042 |
| 19) Endosulfa... | 8.585 | 9.150 | 129834 | 62425 | 0.044 | 0.021 # |
| 20) Methoxychlor | 8.429 | 9.334 | 65496 | 65388 | BelowCal | BelowCal |
| 21) Endrin Ke... | 8.766 | 9.550 | 457976 | 129248 | 0.128 | 0.038 # |
| 23) Hexachlor... | 0.000 | 3.559f | 0 | 54550 | N.D. | BelowCal |
| 24) Hexachlor... | 5.652 | 6.311 | 11951 | 26619 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.131 | 7.788 | 29922 | 48831 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.217 | 7.986 | 424700 | 4481852 | 0.177 | 1.886 # |
| 27) trans-Non... | 7.398 | 8.051 | 5647776 | 3547230 | 1.363 | 0.834 # |
| 28) 2,4'-DDD | 7.552f | 8.346 | 394101 | 320204 | 0.010 | 0.154 # |
| 29) 2,4'-DDT | 7.792f | 8.589 | 118804 | 40528 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.862 | 8.618 | 905275 | 907250 | 0.220 | 0.227 |
| 31) Mirex | 8.522 | 9.550 | 37721 | 129248 | BelowCal | BelowCal |
| 32) Chlordane... | 7.304 | 7.986 | 4408504 | 4481852 | 10.673 | 10.347 |
| 33) Chlordane... | 7.398 | 8.094 | 5647776 | 3943445 | 10.977 | 10.809 |
| 34) Chlordane... | 7.945 | 8.757 | 1511798 | 1377635 | 11.694 | 11.550 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.369 | 8.306 | 758462 | 44740 | 43.902 | 1.363 # |
| 37) Toxaphene... | 7.682 | 8.675 | 163185 | 114285 | 1.477 | 2.684 # |
| 38) Toxaphene... | 7.993 | 8.708 | 123890 | 124653 | 1.708 | 1.973 |
| 39) Toxaphene... | 8.195f | 8.773 | 1543461 | 1743153 | 15.861 | 0.860 # |
| 40) Toxaphene... | 8.429 | 8.958 | 65496 | 122795 | 1.258 | 2.091 # |
| 41) Toxaphene... | 8.516 | 9.334 | 33019 | 65388 | 0.447 | 1.018 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

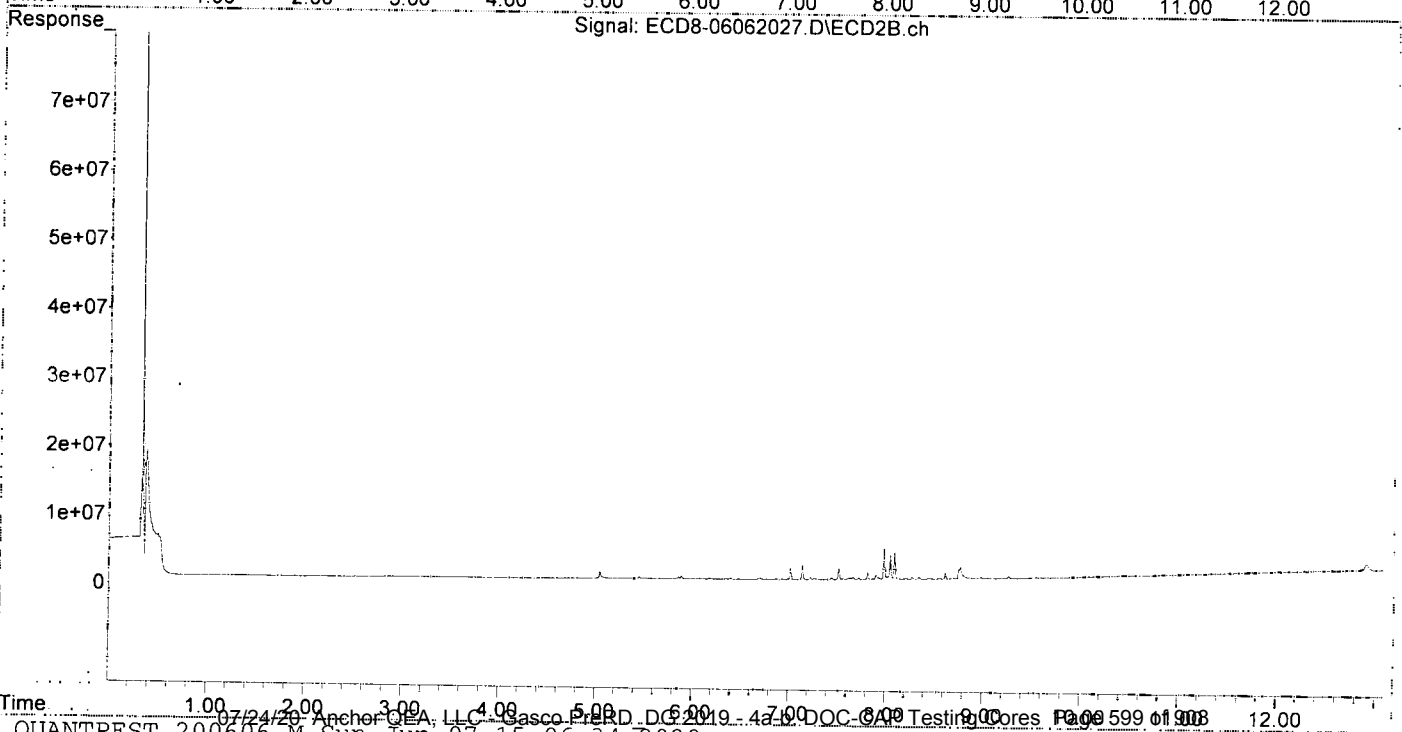
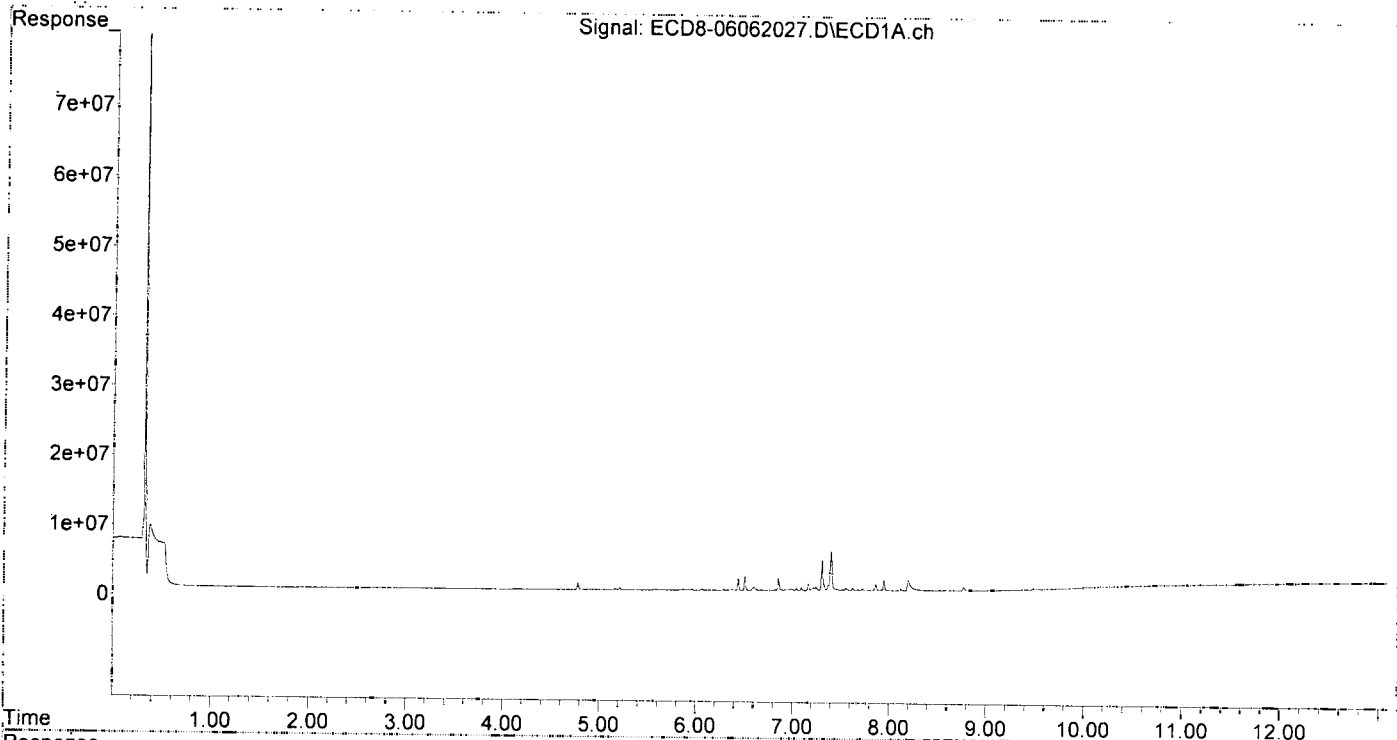
MVB
6/7/20

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:54
Operator : MJB
Sample : 0F06008-CALJ
Misc : A20F083, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 22:11
 Operator : MJB
 Sample : 0F06008-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:01:57 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.839 | 0 | 40272 | N.D. | 0.011 # |
| 22) S DCBP (S) | 9.488 | 10.388 | 47375 | 21993 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.843f | 6.480f | 41748 | 501514 | 0.009 | 0.105 # |
| 3) g-BHC | 6.105 | 6.778 | 50180 | 283868 | 0.012 | 0.066 # |
| 4) b-BHC | 6.172 | 6.844 | 80664 | 27207 | 0.045 | 0.015 # |
| 5) Heptachlor | 6.506 | 7.141 | 8430481 | 8345484 | 2.132 | 1.969 |
| 6) d-BHC | 6.322 | 7.079 | 190240 | 66551 | 0.089 | 0.053 # |
| 7) Aldrin | 6.749 | 7.416 | 153205 | 78380 | 0.036 | 0.020 # |
| 8) Heptachlo... | 7.218 | 7.867f | 1691862 | 499944 | 0.428 | 0.133 # |
| 9) trans-Chl... | 7.303 | 7.986 | 19274517 | 19500876 | 4.790 | 5.108 |
| 10) cis-Chlor... | 7.397 | 8.094 | 24399927 | 16595506 | 6.505 | 4.454 # |
| 11) Endosulfa... | 7.516f | 8.163 | 588701 | 239157 | 0.160 | 0.071 # |
| 12) 4,4'-DDE | 7.455 | 8.216 | 736154 | 504507 | 0.201 | 0.159 |
| 13) Dieldrin | 7.683 | 8.346 | 711218 | 1390062 | 0.176 | 0.361 # |
| 14) Endrin | 7.823 | 8.569 | 333864 | 412950 | 0.099 | 0.140 # |
| 15) 4,4'-DDD | 7.862f | 8.618 | 3529084 | 3525755 | 1.237 | 1.321 |
| 16) Endosulfa... | 7.996 | 8.708 | 398975 | 434967 | 0.131 | 0.144 |
| 17) 4,4'-DDT | 8.119f | 8.859 | 1240161 | 239140 | 0.554 | 0.058 # |
| 18) Endrin Al... | 8.304f | 8.987f | 207781 | 1072893 | BelowCal | 0.371 |
| 19) Endosulfa... | 8.587 | 9.148 | 287857 | 15320 | 0.097 | 0.005 # |
| 20) Methoxychlor | 8.428 | 9.334 | 118584 | 24300 | BelowCal | BelowCal |
| 21) Endrin Ke... | 8.765 | 9.550 | 425327 | 200545 | 0.119 | 0.060 # |
| 23) Hexachlor... | 0.000 | 3.561f | 0 | 45775 | N.D. | BelowCal |
| 24) Hexachlor... | 5.656 | 6.312 | 41194 | 20882 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.128 | 7.790 | 204543 | 241423 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.218 | 7.986 | 1691862 | 19500876 | 0.707 | 8.960 # |
| 27) trans-Non... | 7.397 | 8.051 | 24399927 | 14679343 | 6.824 | 4.247 # |
| 28) 2,4'-DDD | 7.552f | 8.346 | 1572033 | 1390062 | 0.644 | 0.669 |
| 29) 2,4'-DDT | 7.793f | 8.588 | 537406 | 195121 | 0.121 | BelowCal # |
| 30) cis-Nonac... | 7.862 | 8.618 | 3529084 | 3525755 | 0.858 | 0.882 |
| 31) Mirex | 8.526 | 9.550 | 19478 | 200545 | BelowCal | BelowCal |
| 32) Chlordane... | 7.303 | 7.986 | 19274517 | 19500876 | 46.662 | 45.022 |
| 33) Chlordane... | 7.397 | 8.094 | 24399927 | 16595506 | 47.424 | 45.487 |
| 34) Chlordane... | 7.945 | 8.756 | 6029645 | 5527957 | 46.641 | 46.346 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.369 | 8.346f | 2979803 | 1390062 | 184.210 | 42.362 # |
| 37) Toxaphene... | 7.683 | 8.675 | 711218 | 496131 | 18.917 | 11.650 # |
| 38) Toxaphene... | 7.996 | 8.708 | 398975 | 434967 | 5.500 | 6.884 # |
| 39) Toxaphene... | 8.246f | 8.756 | 603439 | 5527957 | 0.378 | 42.653 # |
| 40) Toxaphene... | 8.428 | 8.929f | 118584 | 104685 | 2.277 | 1.783 |
| 41) Toxaphene... | 8.526 | 9.334 | 19478 | 24300 | 0.264 | 0.378 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

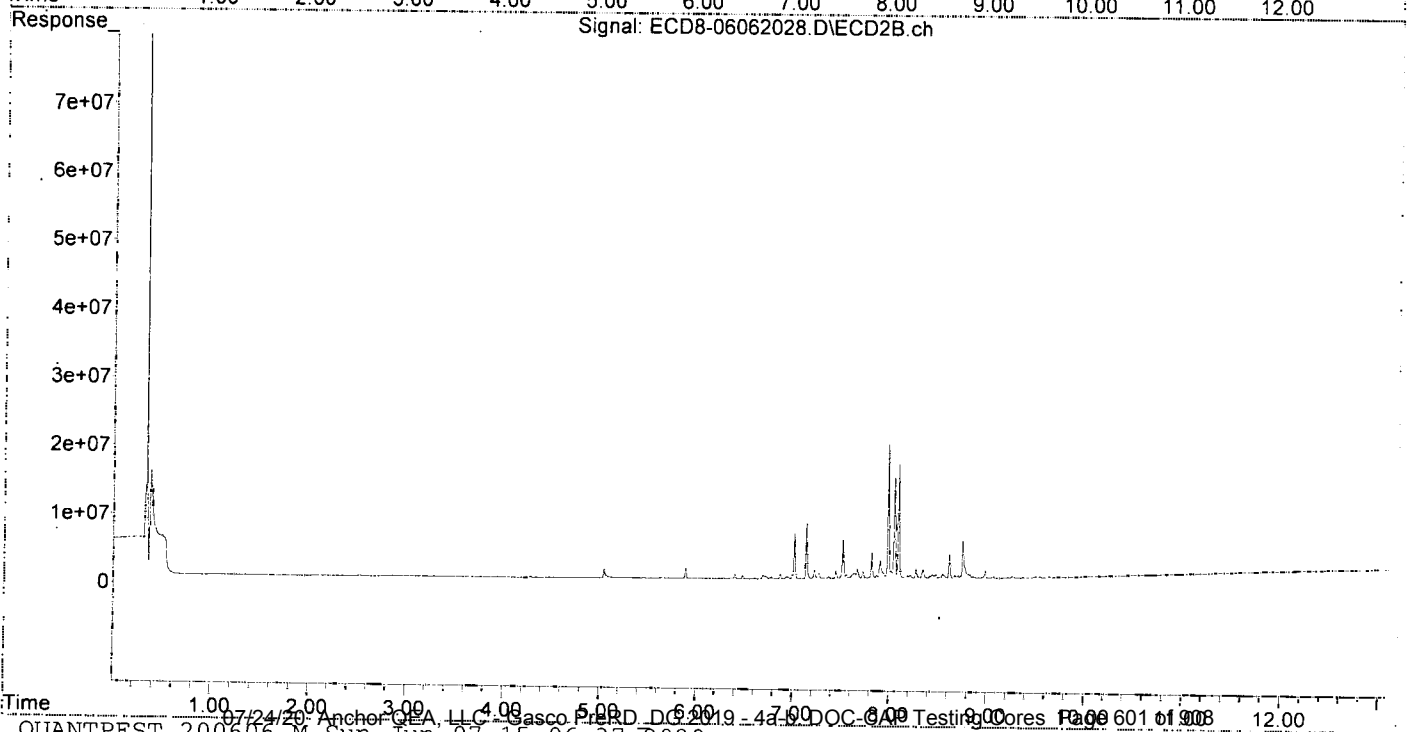
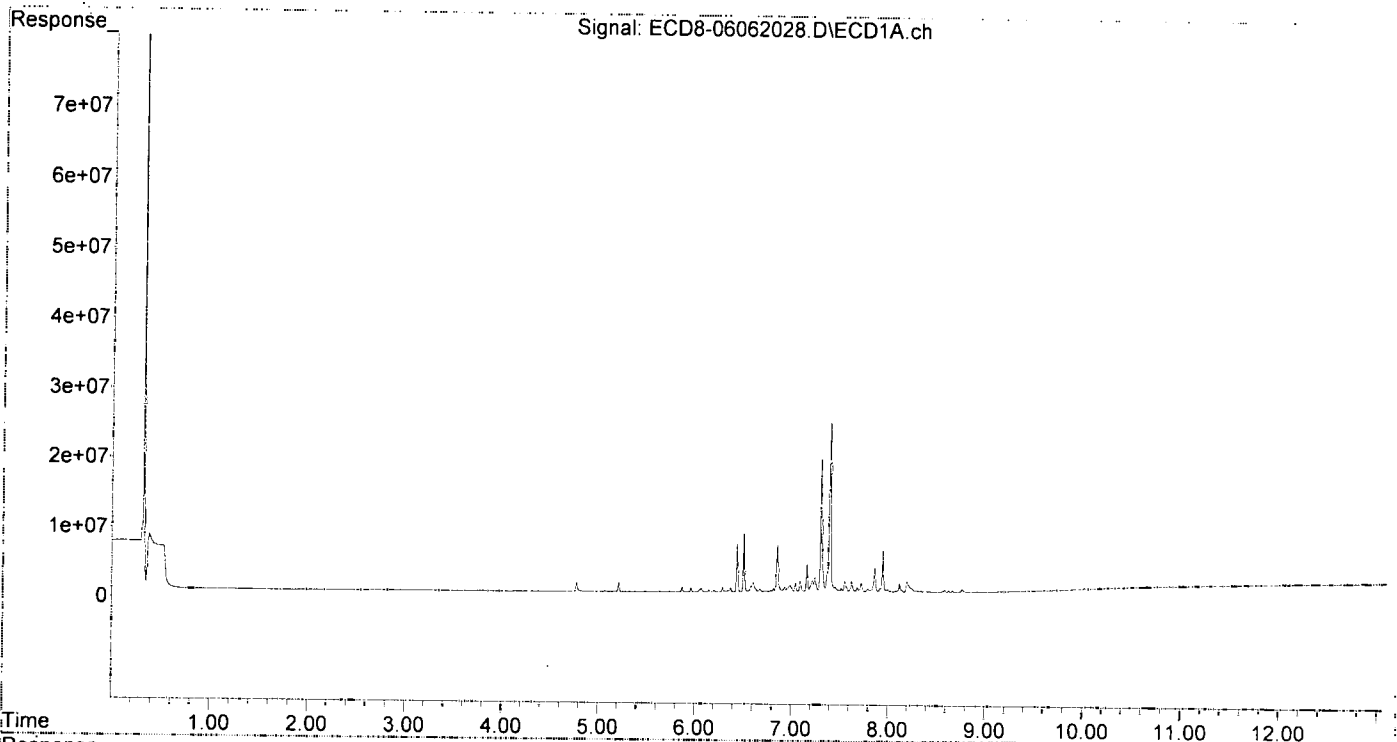
int
6/7/20

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:11
Operator : MJB
Sample : 0F06008-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 22:27
 Operator : MJB
 Sample : 0F06008-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:02:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MB
6/7/20

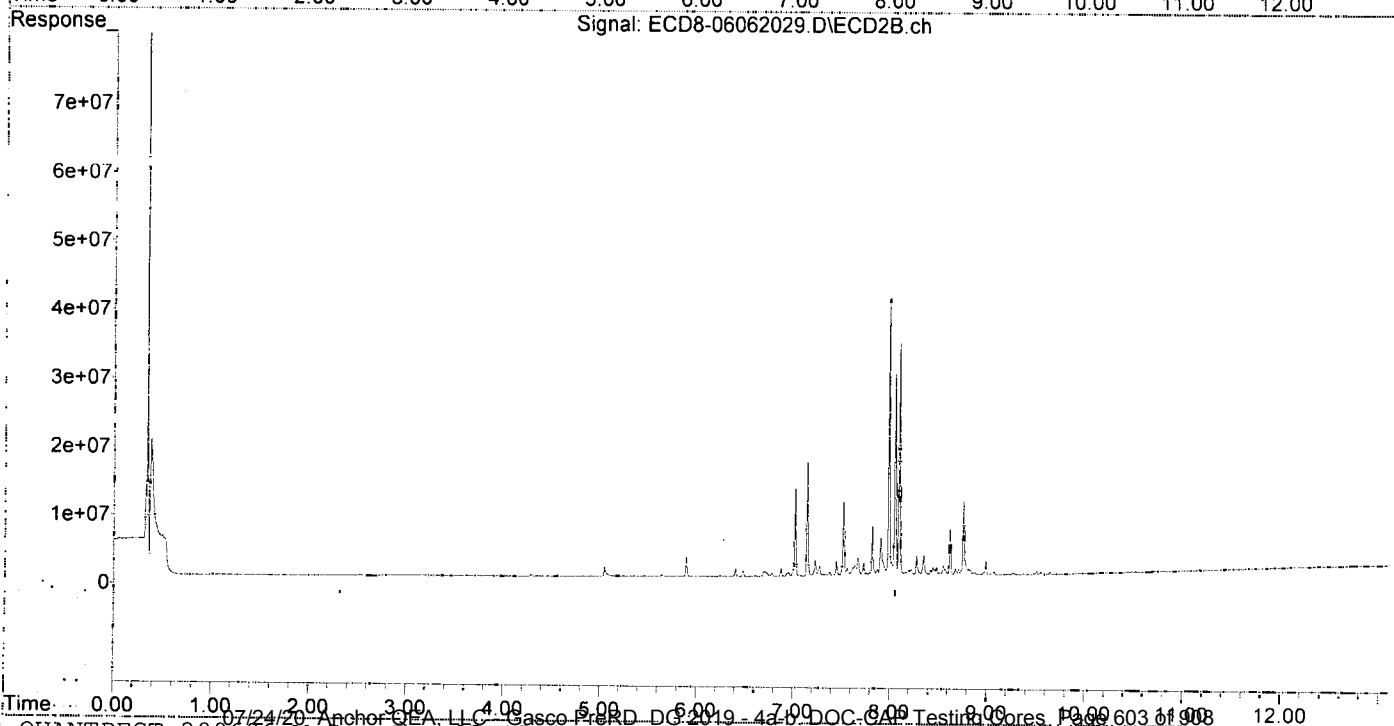
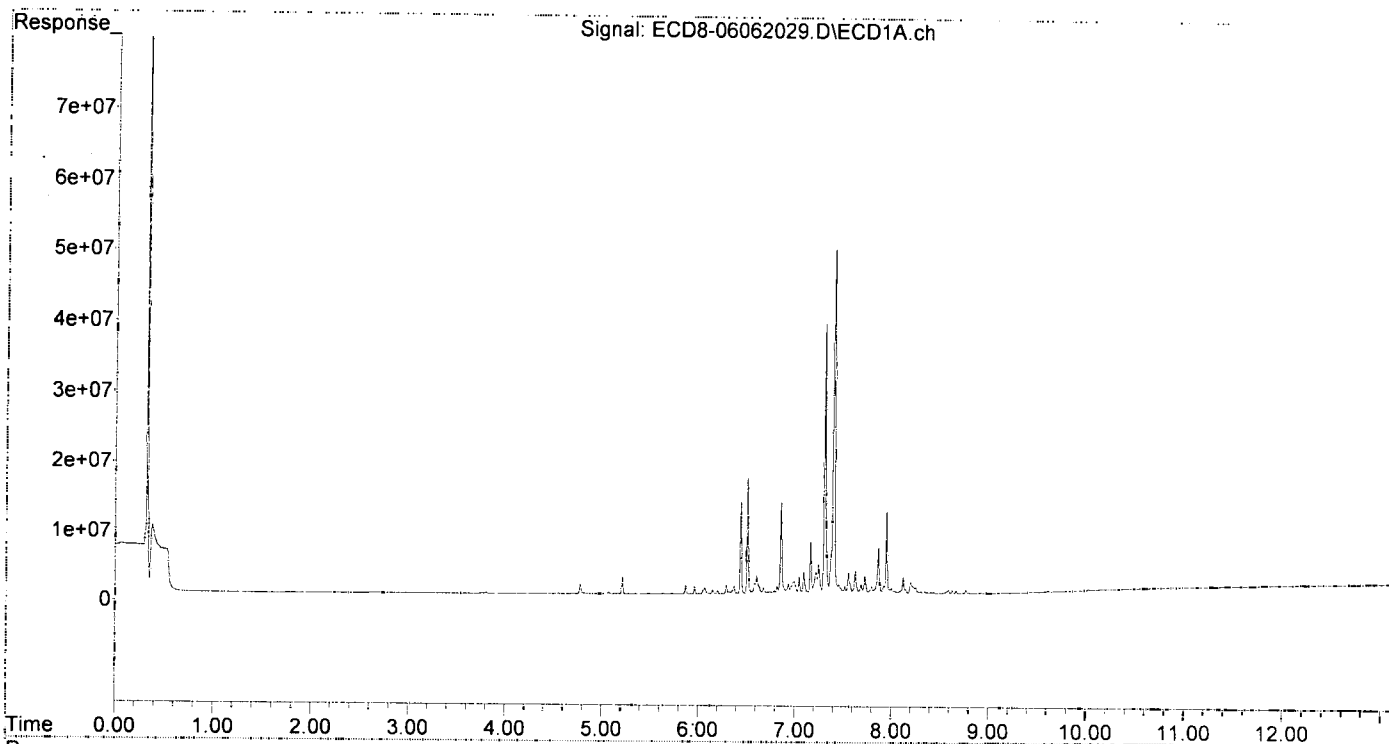
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.859 | 0 | 65199 | N.D. | 0.018 # |
| 22) S DCBP (S) | 9.488 | 10.377 | 73802 | 24851 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.844f | 6.480f | 66487 | 902812 | 0.014 | 0.189 # |
| 3) g-BHC | 6.106 | 6.778 | 95120 | 530283 | 0.022 | 0.124 # |
| 4) b-BHC | 6.171 | 6.871f | 155114 | 1288844 | 0.086 | 0.705 # |
| 5) Heptachlor | 6.506 | 7.142 | 16740654 | 16855992 | 4.234 | 3.978 |
| 6) d-BHC | 6.317 | 7.078 | 358845 | 123101 | 0.138 | 0.069 # |
| 7) Aldrin | 6.748 | 7.416 | 323235 | 183054 | 0.075 | 0.046 # |
| 8) Heptachlo... | 7.217 | 7.866 | 3197910 | 988804 | 0.809 | 0.263 # |
| 9) trans-Chl... | 7.302 | 7.986 | 38729637 | 40348541 | 9.626 | 10.568 |
| 10) cis-Chlor... | 7.396 | 8.095 | 49198842 | 33994305 | 13.263 | 9.124 # |
| 11) Endosulfa... | 7.516f | 8.163 | 1138128 | 517979 | 0.309 | 0.153 # |
| 12) 4,4'-DDE | 7.453 | 8.216 | 1319099 | 966015 | 0.360 | 0.298 |
| 13) Dieldrin | 7.682 | 8.346 | 1372637 | 2988418 | 0.340 | 0.775 # |
| 14) Endrin | 7.824 | 8.568 | 680241 | 896965 | 0.202 | 0.303 # |
| 15) 4,4'-DDD | 7.862f | 8.618 | 6734665 | 6864217 | 2.360 | 2.586 |
| 16) Endosulfa... | 7.996 | 8.708 | 794680 | 931344 | 0.261 | 0.308 |
| 17) 4,4'-DDT | 8.118f | 8.858 | 2399882 | 379298 | 1.063 | 0.114 # |
| 18) Endrin Al... | 8.304f | 8.987f | 317704 | 2131066 | BelowCal | 0.737 |
| 19) Endosulfa... | 8.586 | 9.147 | 545168 | 17013 | 0.185 | 0.006 # |
| 20) Methoxychlor | 8.429 | 9.331 | 229157 | 30608 | 0.075 | BelowCal # |
| 21) Endrin Ke... | 8.766 | 9.549 | 447666 | 387260 | 0.126 | 0.115 |
| 23) Hexachlor... | 0.000 | 3.559f | 0 | 43475 | N.D. | BelowCal |
| 24) Hexachlor... | 5.655 | 6.288f | 49075 | 97996 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.129 | 7.790 | 433568 | 497302 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.217 | 7.986 | 3197910 | 40348541 | 1.336 | 18.554 # |
| 27) trans-Non... | 7.396 | 8.051 | 49198842 | 29449063 | 14.006 | 8.749 # |
| 28) 2,4'-DDD | 7.551f | 8.346 | 3061100 | 2988418 | 1.443 | 1.438 |
| 29) 2,4'-DDT | 7.791f | 8.589 | 1059447 | 438054 | 0.410 | 0.067 # |
| 30) cis-Nonac... | 7.862 | 8.618 | 6734665 | 6864217 | 1.638 | 1.717 |
| 31) Mirex | 8.524 | 9.549 | 39496 | 387260 | BelowCal | BelowCal |
| 32) Chlordane... | 7.302 | 7.986 | 38729637 | 40348541 | 93.761 | 93.153 |
| 33) Chlordane... | 7.396 | 8.095 | 49198842 | 33994305 | 95.624 | 93.175 |
| 34) Chlordane... | 7.945 | 8.756 | 12071538 | 10878732 | 93.377 | 91.207 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.368 | 8.346f | 5865507 | 2988418 | 365.211 | 91.072 # |
| 37) Toxaphene... | 7.682 | 8.675 | 1372637 | 1008788 | 39.970 | 23.689 # |
| 38) Toxaphene... | 7.973 | 8.708 | 652168 | 931344 | 8.990 | 14.740 # |
| 39) Toxaphene... | 8.219 | 8.756 | 1045020 | 10878732 | 7.656 | 100.906 # |
| 40) Toxaphene... | 8.429 | 8.928f | 229157 | 209547 | 4.400 | 3.569 |
| 41) Toxaphene... | 8.524 | 9.331 | 39496 | 30608 | 0.535 | 0.476 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:27
Operator : MJB
Sample : 0F06008-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 22:44
 Operator : MJB
 Sample : 0F06008-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:02:15 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*h.B.
6/7/20*

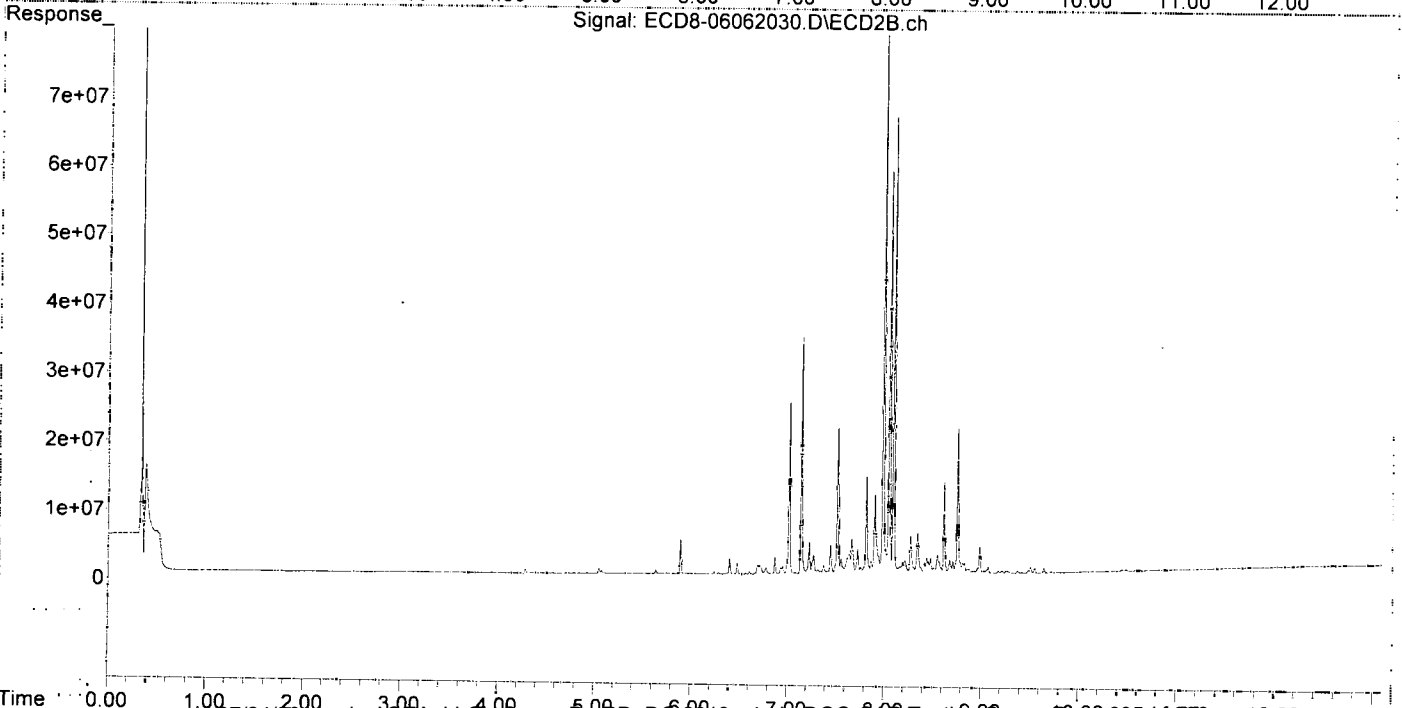
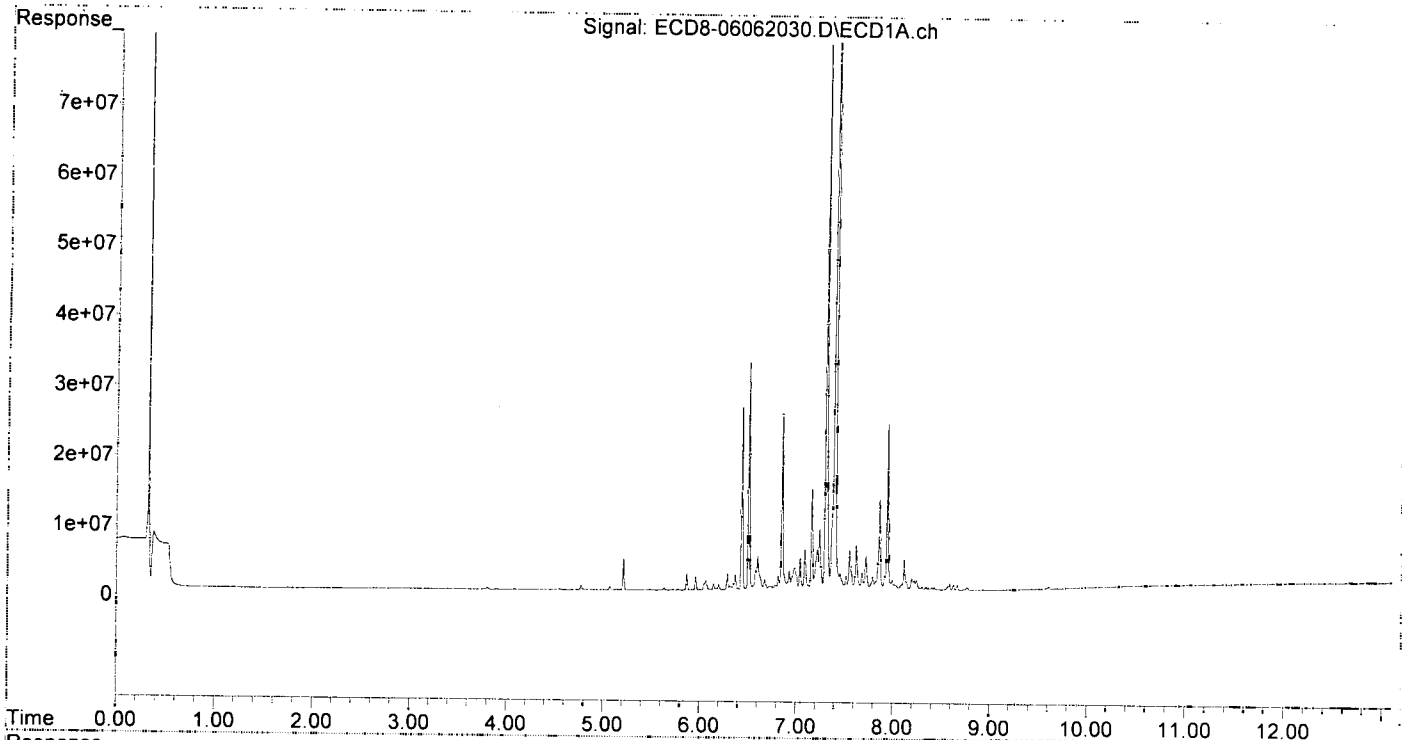
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.271 | 5.860 | 50249 | 112186 | 0.014 | 0.032 # |
| 22) S DCBP (S) | 9.487 | 10.387 | 134057 | 23592 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.800 | 6.479f | 43469 | 1609004 | 0.009 | 0.338 # |
| 3) g-BHC | 6.112 | 6.778 | 153759 | 988351 | 0.036 | 0.232 # |
| 4) b-BHC | 6.171 | 6.844 | 271947 | 83915 | 0.151 | 0.046 # |
| 5) Heptachlor | 6.506 | 7.141 | 32684208 | 34326937 | 8.267 | 8.101 |
| 6) d-BHC | 6.317 | 7.077 | 641953 | 249398 | 0.221 | 0.103 # |
| 7) Aldrin | 6.747 | 7.415 | 602048 | 398010 | 0.140 | 0.099 # |
| 8) Heptachlo... | 7.217 | 7.865 | 5942221 | 1873359 | 1.504 | 0.498 # |
| 9) trans-Chl... | 7.302 | 7.986 | 77948458 | 78897328 | 19.373 | 20.664 |
| 10) cis-Chlor... | 7.397 | 8.094 | 95290864 | 66157880 | 25.659 | 17.757 # |
| 11) Endosulfa... | 7.516f | 8.163 | 2090116 | 1044045 | 0.568 | 0.308 # |
| 12) 4,4'-DDE | 7.454 | 8.214 | 2437955 | 1895416 | 0.665 | 0.579 |
| 13) Dieldrin | 7.682 | 8.345 | 2589928 | 6006071 | 0.642 | 1.558 # |
| 14) Endrin | 7.822 | 8.568 | 1309481 | 1702383 | 0.388 | 0.576 # |
| 15) 4,4'-DDD | 7.861f | 8.618 | 13082746 | 13250675 | 4.585 | 4.989 |
| 16) Endosulfa... | 7.996 | 8.708 | 1525548 | 1776080 | 0.501 | 0.587 |
| 17) 4,4'-DDT | 8.118f | 8.858 | 4497255 | 661627 | 1.981 | 0.228 # |
| 18) Endrin Al... | 8.303f | 8.987f | 523594 | 3931613 | BelowCal | 1.359 |
| 19) Endosulfa... | 8.586 | 9.152 | 989498 | 44232 | 0.335 | 0.015 # |
| 20) Methoxychlor | 8.428 | 9.326 | 433647 | 63291 | 0.269 | BelowCal # |
| 21) Endrin Ke... | 8.767 | 9.549 | 456442 | 724309 | 0.128 | 0.216 # |
| 23) Hexachlor... | 0.000 | 3.560f | 0 | 41265 | N.D. | BelowCal |
| 24) Hexachlor... | 5.665 | 6.288f | 34745 | 167246 | BelowCal | BelowCal |
| 25) Oxychlordane | 7.128 | 7.789 | 811861 | 1017523 | 0.063 | 0.132 # |
| 26) 2,4'-DDE | 7.217 | 7.986 | 5942221 | 78897328 | 2.483 | 35.670 # |
| 27) trans-Non... | 7.397 | 8.050 | 95290864 | 58275802 | 27.233 | 17.450 # |
| 28) 2,4'-DDD | 7.551f | 8.345 | 5777790 | 6006071 | 2.899 | 2.890 |
| 29) 2,4'-DDT | 7.791f | 8.588 | 2001943 | 886930 | 0.930 | 0.310 # |
| 30) cis-Nonac... | 7.861 | 8.618 | 13082746 | 13250675 | 3.182 | 3.315 |
| 31) Mirex | 8.523 | 9.549 | 90626 | 724309 | BelowCal | 0.038 |
| 32) Chlordane... | 7.302 | 7.986 | 77948458 | 78897328 | 188.707 | 182.151 |
| 33) Chlordane... | 7.397 | 8.094 | 95290864 | 66157880 | 185.210 | 181.332 |
| 34) Chlordane... | 7.944 | 8.756 | 23847628 | 21056652 | 184.469 | 176.539 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.369 | 8.305 | 11204563 | 866005 | 696.416 | 26.391 # |
| 37) Toxaphene... | 7.682 | 8.675 | 2589928 | 1989759 | 78.730 | 46.725 # |
| 38) Toxaphene... | 7.970 | 8.708 | 1207638 | 1776080 | 16.646 | 28.109 # |
| 39) Toxaphene... | 8.221 | 8.756 | 1427410 | 21056652 | 13.952 | 209.169 # |
| 40) Toxaphene... | 8.428 | 8.929f | 433647 | 397100 | 8.326 | 6.763 |
| 41) Toxaphene... | 8.523 | 9.326 | 90626 | 63291 | 1.228 | 0.985 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:44
Operator : MJB
Sample : 0F06008-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 23:00
 Operator : MJB
 Sample : 0F06008-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:02:24 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

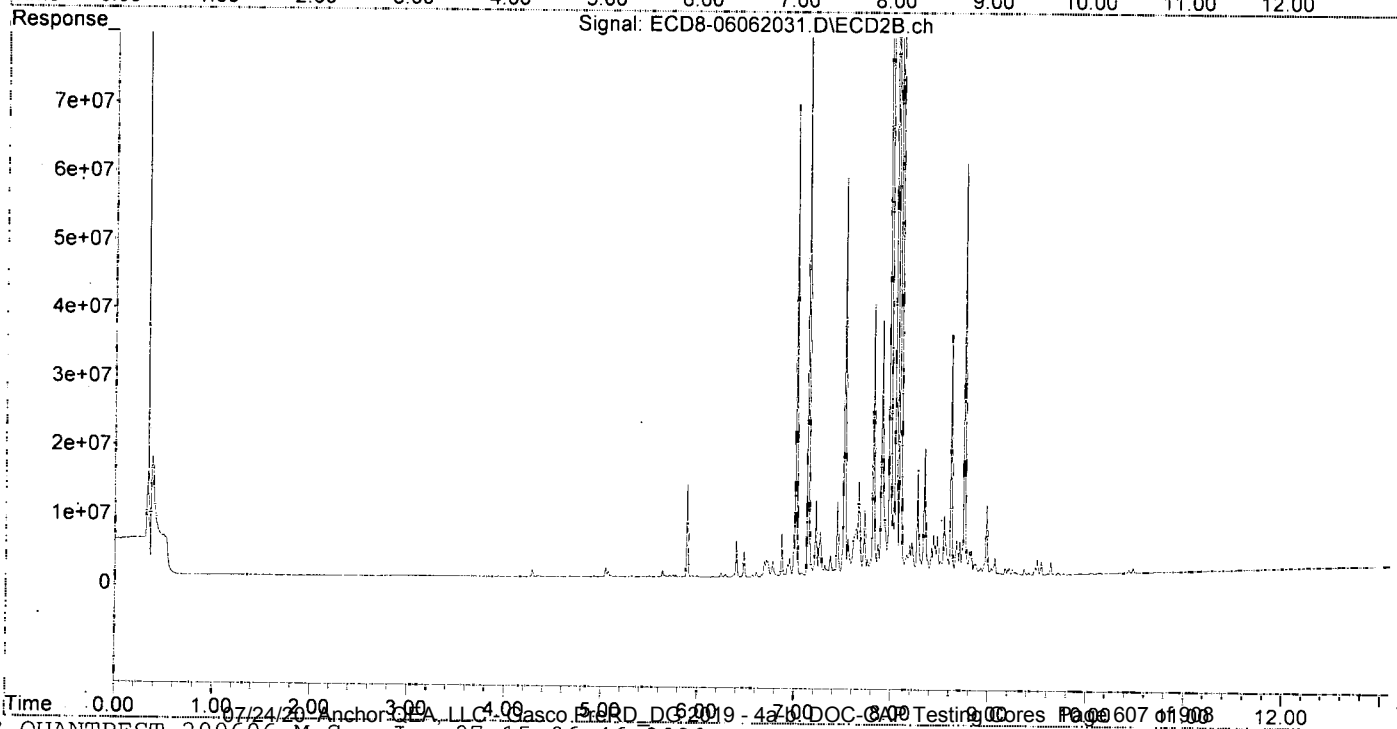
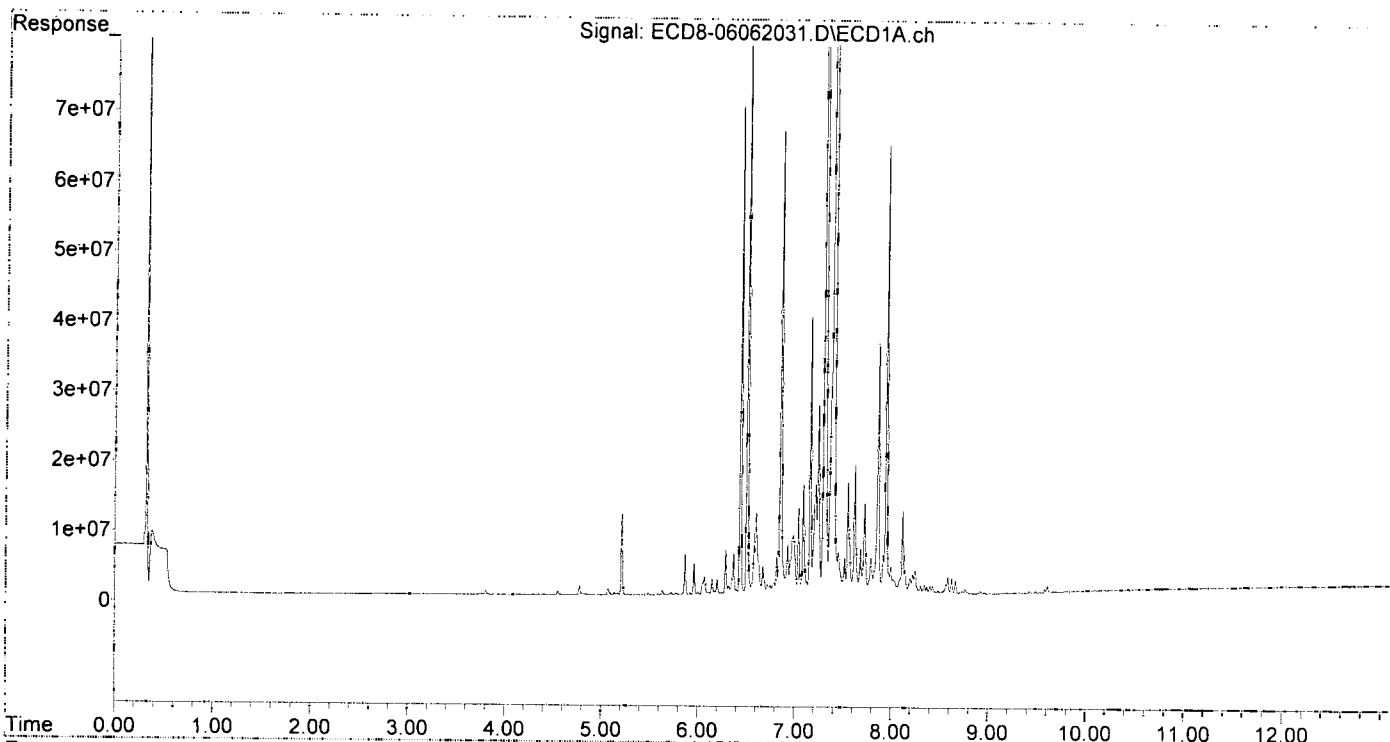
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.274 | 5.861 | 97614 | 97205 | 0.027 | 0.027 |
| 22) S DCBP (S) | 9.487 | 10.403 | 330967 | 45962 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.479f | 43428 | 3721474 | 0.009 | 0.781 # |
| 3) g-BHC | 6.114 | 6.778 | 320045 | 2299952 | 0.075 | 0.539 # |
| 4) b-BHC | 6.171 | 6.845 | 514905 | 206748 | 0.286 | 0.113 # |
| 5) Heptachlor | 6.506 | 7.142 | 91530342 | 93416157 | 23.151 | 22.046 |
| 6) d-BHC | 6.317 | 7.078 | 1251934 | 606815 | 0.400 | 0.199 # |
| 7) Aldrin | 6.748 | 7.414 | 1374924 | 992364 | 0.319 | 0.247 |
| 8) Heptachlo... | 7.216 | 7.865 | 15872982 | 4710603 | 4.016 | 1.251 # |
| 9) trans-Chl... | 7.302 | 7.986 | 208.7E6 | 224.0E6 | 51.864 | 58.662 |
| 10) cis-Chlor... | 7.396 | 8.094 | 257.4E6 | 183.0E6 | 67.693 | 49.106 # |
| 11) Endosulfa... | 7.516f | 8.163 | 5262086 | 3041767 | 1.430 | 0.897 # |
| 12) 4,4'-DDE | 7.453 | 8.214 | 6070316 | 4867326 | 1.656 | 1.475 |
| 13) Dieldrin | 7.682 | 8.345 | 6495386 | 18423863 | 1.609 | 4.779 # |
| 14) Endrin | 7.822 | 8.567 | 3495272 | 4452767 | 1.036 | 1.506 # |
| 15) 4,4'-DDD | 7.861f | 8.617 | 35770933 | 34777549 | 12.537 | 12.925 |
| 16) Endosulfa... | 7.995 | 8.707 | 3960103 | 4945733 | 1.301 | 1.636 # |
| 17) 4,4'-DDT | 8.118f | 8.858 | 11907607 | 1644214 | 5.202 | 0.624 # |
| 18) Endrin Al... | 8.303f | 8.986f | 1239439 | 10204027 | 0.256 | 3.527 # |
| 19) Endosulfa... | 8.586 | 9.150 | 2530421 | 163289 | 0.857 | 0.055 # |
| 20) Methoxychlor | 8.429 | 9.330 | 1183916 | 186298 | 0.982 | BelowCal # |
| 21) Endrin Ke... | 8.768 | 9.548 | 677245 | 1942014 | 0.190 | 0.578 # |
| 23) Hexachlor... | 0.000 | 3.558f | 0 | 43902 | N.D. | BelowCal |
| 24) Hexachlor... | 5.667 | 6.287f | 58484 | 375357 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.128 | 7.790 | 1951580 | 2549398 | 0.424 | 0.656 # |
| 26) 2,4'-DDE | 7.216 | 7.986 | 15872982 | 224.0E6 | 6.632 | 94.228 # |
| 27) trans-Non... | 7.396 | 8.050 | 257.4E6 | 159.1E6 | 72.580 | 47.065 # |
| 28) 2,4'-DDD | 7.551f | 8.345 | 16001074 | 18423863 | 8.348 | 8.865 |
| 29) 2,4'-DDT | 7.791f | 8.588 | 5230112 | 2452813 | 2.708 | 1.159 # |
| 30) cis-Nonac... | 7.861 | 8.617 | 35770933 | 34777549 | 8.699 | 8.701 |
| 31) Mirex | 8.523 | 9.548 | 341635 | 1942014 | BelowCal | 0.583 |
| 32) Chlordane... | 7.302 | 7.986 | 208.7E6 | 224.0E6 | 505.185 | 517.094 |
| 33) Chlordane... | 7.396 | 8.094 | 257.4E6 | 183.0E6 | 500.351 | 501.467 |
| 34) Chlordane... | 7.944 | 8.756 | 64272968 | 59826712 | 497.171 | 501.586 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.368 | 8.345f | 29923993 | 18423863 | 1822.467 | 561.467 # |
| 37) Toxaphene... | 7.682 | 8.675 | 6495386 | 5132960 | 203.200 | 120.535 # |
| 38) Toxaphene... | 7.972 | 8.707 | 3087250 | 4945733 | 42.556 | 78.272 # |
| 39) Toxaphene... | 8.222 | 8.756 | 2915645 | 59826712 | 38.402 | 595.291 # |
| 40) Toxaphene... | 8.429 | 8.927f | 1183916 | 1119385 | 22.731 | 19.064 |
| 41) Toxaphene... | 8.523 | 9.330 | 341635 | 186298 | 4.629 | 2.900 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:00
Operator : MJB
Sample : 0F06008-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:24 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 23:17
 Operator : MJB
 Sample : 0F06008-CALO
 Misc : A20F061, CHLOR 1000 ppb
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:02:33 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

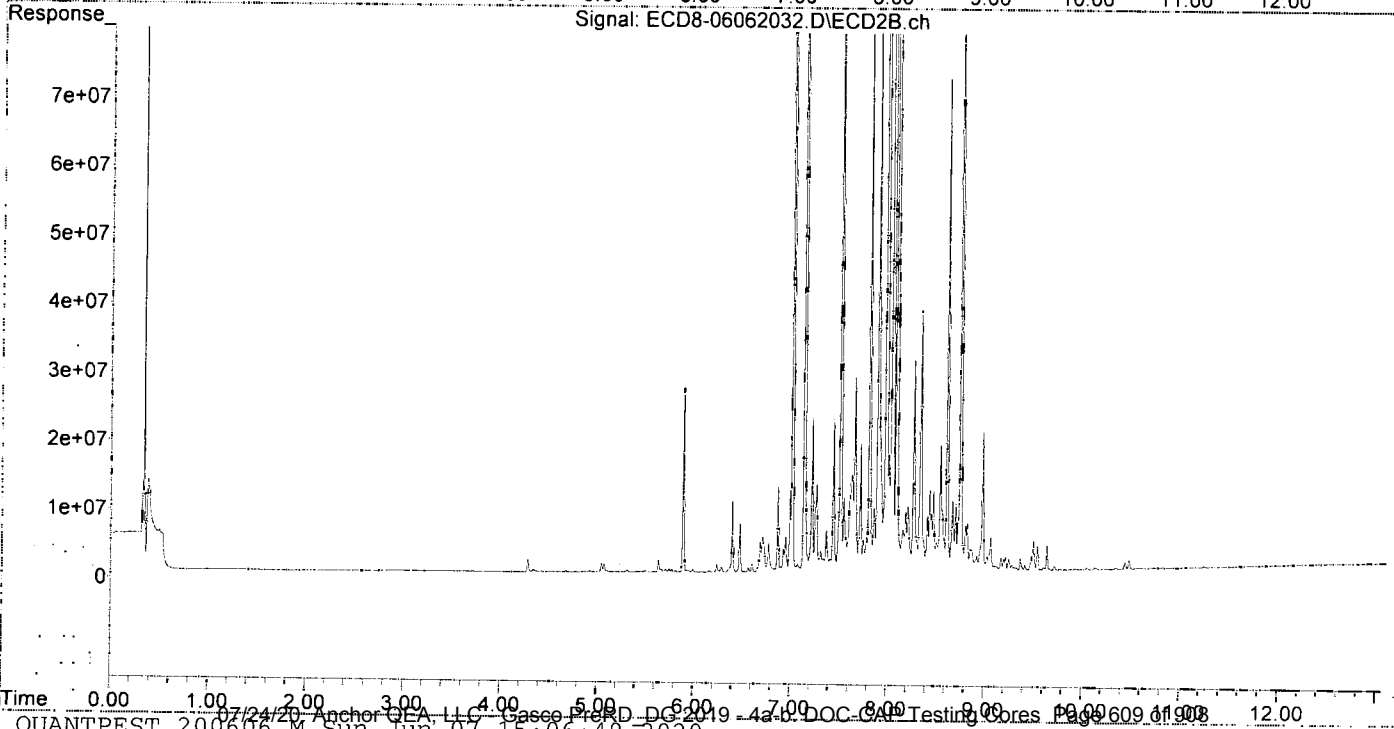
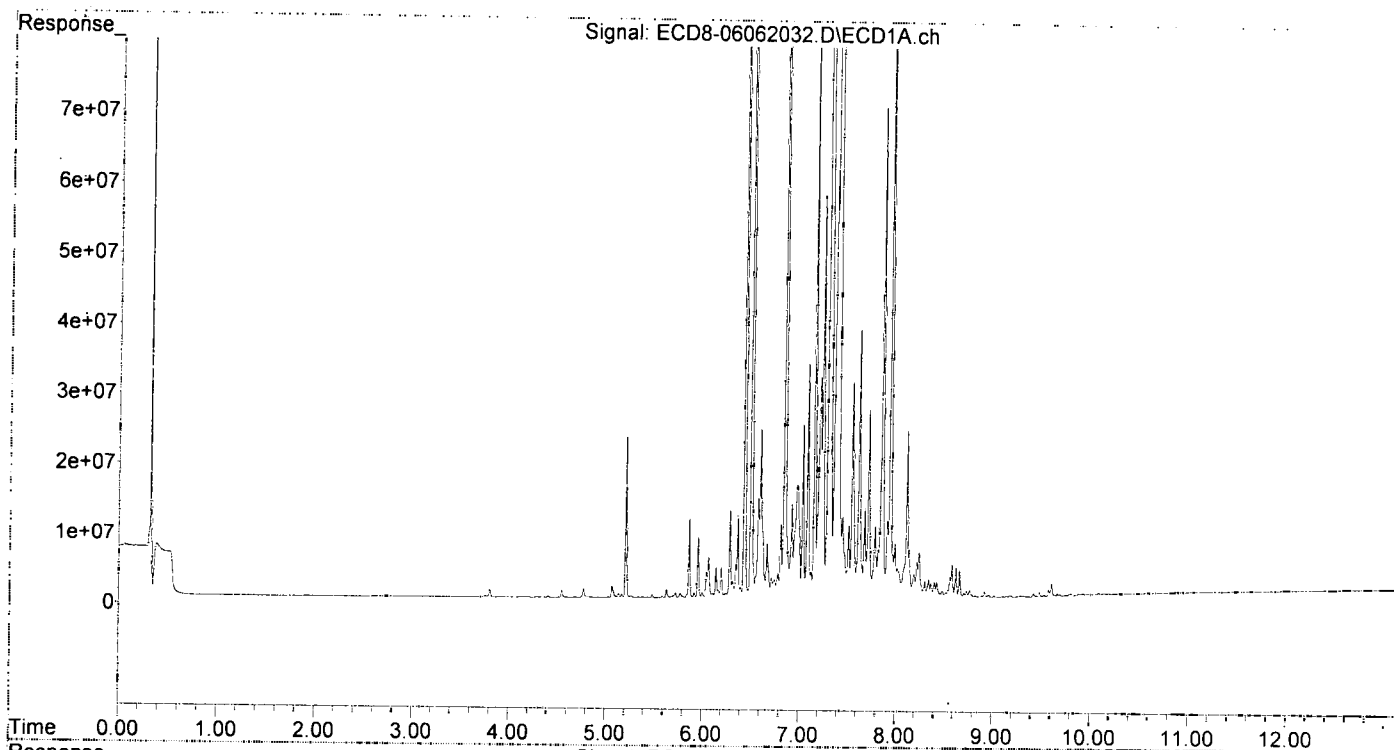
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.262 | 5.858 | 218431 | 106841 | 0.060 | 0.030 # |
| 22) S DCBP (S) | 9.487 | 10.406 | 595137 | 72908 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.801 | 6.479f | 195883 | 7057318 | 0.040 | 1.481 # |
| 3) g-BHC | 6.112 | 6.777 | 567765 | 4168627 | 0.133 | 0.976 # |
| 4) b-BHC | 6.169 | 6.845 | 1054041 | 448074 | 0.585 | 0.245 # |
| 5) Heptachlor | 6.505 | 7.141 | 182.9E6 | 192.2E6 | 46.262 | 45.353 |
| 6) d-BHC | 6.313 | 7.077 | 2364431 | 1104126 | 0.726 | 0.333 # |
| 7) Aldrin | 6.748 | 7.414 | 2602487 | 1918792 | 0.604 | 0.478 |
| 8) Heptachlo... | 7.215 | 7.865 | 31646316 | 9301401 | 8.008 | 2.471 # |
| 9) trans-Chl... | 7.302 | 7.985 | 425.4E6 | 464.6E6 | 105.720 | 121.686 |
| 10) cis-Chlor... | 7.396 | 8.094 | 521.6E6 | 384.4E6 | 131.679 | 103.171 |
| 11) Endosulfa... | 7.514f | 8.163 | 10388780 | 6076444 | 2.822 | 1.791 # |
| 12) 4,4'-DDE | 7.452 | 8.214 | 11658993 | 9451524 | 3.181 | 2.853 |
| 13) Dieldrin | 7.681 | 8.345 | 12758846 | 37807947 | 3.161 | 9.806 # |
| 14) Endrin | 7.821 | 8.589 | 6910590 | 4908803 | 2.048 | 1.660 |
| 15) 4,4'-DDD | 7.861f | 8.617 | 69908605 | 71302395 | 24.501 | 25.861 |
| 16) Endosulfa... | 7.994 | 8.733 | 7704103 | 7880002 | 2.532 | 2.606 |
| 17) 4,4'-DDT | 8.064 | 8.858 | 2253674 | 3203742 | 0.999 | 1.250 # |
| 18) Endrin Al... | 8.304f | 8.986f | 2350207 | 20129117 | 0.664 | 6.957 # |
| 19) Endosulfa... | 8.585 | 9.151 | 4761551 | 400883 | 1.612 | 0.135 # |
| 20) Methoxychlor | 8.428 | 9.333 | 2200863 | 411465 | 1.945 | 0.186 # |
| 21) Endrin Ke... | 8.769 | 9.549 | 1003706 | 3564748 | 0.281 | 1.061 # |
| 23) Hexachlor... | 0.000 | 3.558f | 0 | 43339 | N.D. | BelowCal |
| 24) Hexachlor... | 5.633f | 6.288f | 1217789 | 728373 | 0.208 | 0.062 # |
| 25) Oxychlorane | 7.127 | 7.788 | 3718106 | 5092134 | 0.985 | 1.525 # |
| 26) 2,4'-DDE | 7.215 | 7.985 | 31646316 | 464.6E6 | 13.223 | 177.235 # |
| 27) trans-Non... | 7.396 | 8.050 | 521.6E6 | 338.0E6 | 142.930 | 96.803 # |
| 28) 2,4'-DDD | 7.620f | 8.345 | 38414049 | 37807947 | 20.130 | 18.191 |
| 29) 2,4'-DDT | 7.790f | 8.589 | 10297789 | 4908803 | 5.486 | 2.483 # |
| 30) cis-Nonac... | 7.861 | 8.617 | 69908605 | 71302395 | 17.001 | 17.840 |
| 31) Mirex | 8.523 | 9.549 | 718969 | 3564748 | BelowCal | 1.310 |
| 32) Chlordane... | 7.302 | 7.985 | 425.4E6 | 464.6E6 | 1029.774 | 1072.631 |
| 33) Chlordane... | 7.396 | 8.094 | 521.6E6 | 384.4E6 | 1013.777 | 1053.567 |
| 34) Chlordane... | 7.944 | 8.755 | 129.4E6 | 121.8E6 | 1001.079 | 1021.551 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.367 | 8.345f | 61102098 | 37807947 | 3591.445 | 1152.196 # |
| 37) Toxaphene... | 7.681 | 8.674 | 12758846 | 10281189 | 403.192 | 241.429 # |
| 38) Toxaphene... | 7.970 | 8.707 | 6068491 | 9584451 | 83.650 | 151.685 # |
| 39) Toxaphene... | 8.223 | 8.755 | 5093691 | 121.8E6 | 74.030 | 1146.383 # |
| 40) Toxaphene... | 8.428 | 8.927f | 2200863 | 2199675 | 42.256 | 37.463 |
| 41) Toxaphene... | 8.523 | 9.333 | 718969 | 411465 | 9.743 | 6.405 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:17
Operator : MJB
Sample : 0F06008-CALO
Misc : A20F061, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 23:33
 Operator : MJB
 Sample : 0F06008-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:02:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

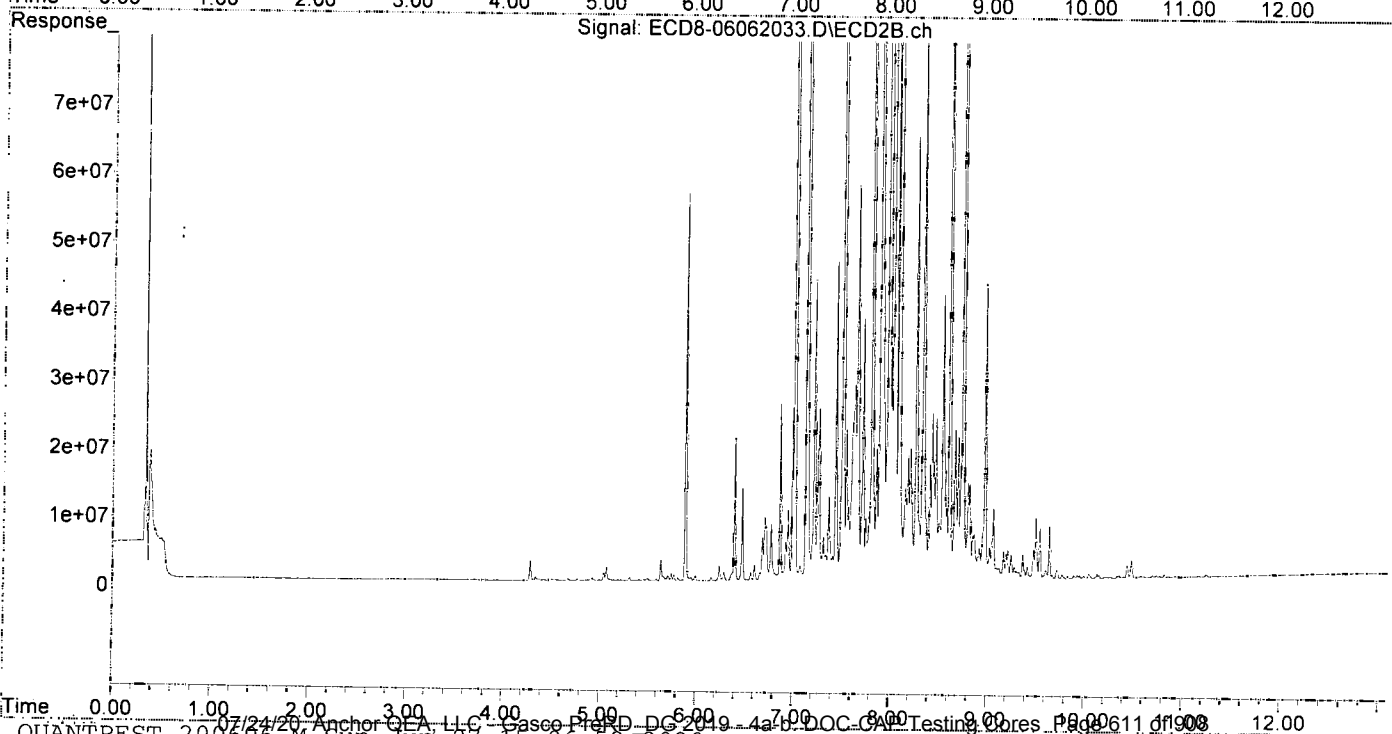
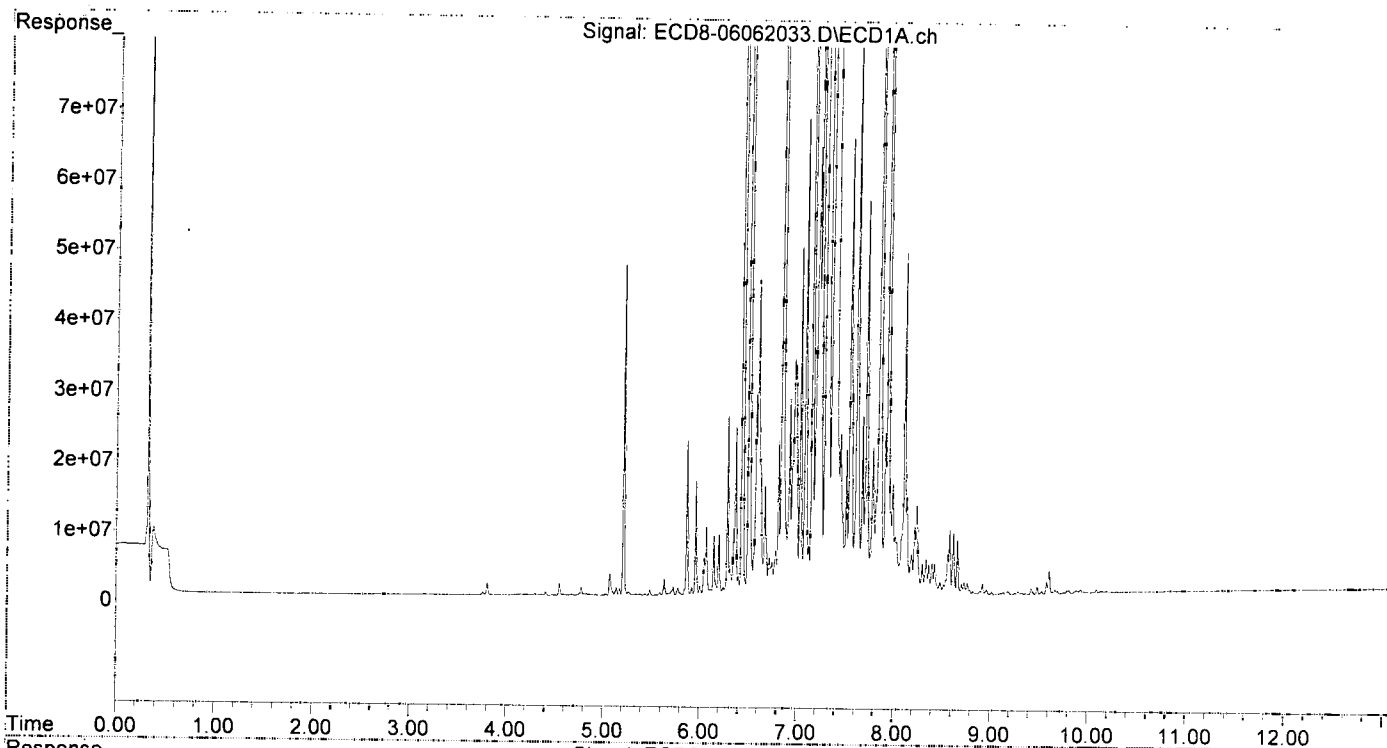
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.262 | 5.858 | 439079 | 160151 | 0.120 | 0.045 # |
| 22) S DCBP (S) | 9.486 | 10.403 | 1116205 | 164795 | 0.181 | BelowCal # |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.800 | 6.479f | 353949 | 13353325 | 0.073 | 2.802 # |
| 3) g-BHC | 6.113 | 6.777 | 912788 | 8178865 | 0.214 | 1.916 # |
| 4) b-BHC | 6.169 | 6.845 | 1637240 | 838918 | 0.908 | 0.459 # |
| 5) Heptachlor | 6.505 | 7.141 | 382.1E6 | 402.9E6 | 96.657 | 95.078 |
| 6) d-BHC | 6.314 | 7.078 | 3815202 | 2094357 | 1.150 | 0.599 # |
| 7) Aldrin | 6.748 | 7.413 | 4865122 | 3528874 | 1.128 | 0.880 |
| 8) Heptachlo... | 7.214 | 7.864 | 64122896 | 19316440 | 16.225 | 5.131 # |
| 9) trans-Chl... | 7.301 | 7.985 | 890.7E6 | 966.5E6 | 221.384 | 253.151 |
| 10) cis-Chlor... | 7.397 | 8.094 | 1087.7E6 | 813.2E6 | 254.580 | 218.274 |
| 11) Endosulfa... | 7.496 | 8.162 | 7053481 | 13212241 | 1.916 | 3.895 # |
| 12) 4,4'-DDE | 7.452 | 8.214 | 23138201 | 19056914 | 6.313 | 5.717 |
| 13) Dieldrin | 7.680 | 8.344 | 25750901 | 88663746 | 6.379 | 22.997 # |
| 14) Endrin | 7.821 | 8.588 | 14282337 | 10270512 | 4.232 | 3.474 |
| 15) 4,4'-DDD | 7.860f | 8.617 | 145.2E6 | 150.7E6 | 50.884 | 52.054 |
| 16) Endosulfa... | 7.994 | 8.732 | 15874616 | 16879323 | 5.217 | 5.582 |
| 17) 4,4'-DDT | 8.117f | 8.857 | 49024613 | 6415690 | 20.836 | 2.534 # |
| 18) Endrin Al... | 8.302f | 8.985f | 4538564 | 42653340 | 1.467 | 14.742 # |
| 19) Endosulfa... | 8.585 | 9.152 | 9380929 | 924970 | 3.176 | 0.312 # |
| 20) Methoxychlor | 8.428 | 9.336 | 4484836 | 1019507 | 4.098 | 0.692 # |
| 21) Endrin Ke... | 8.769 | 9.548 | 1748613 | 7310066 | 0.490 | 2.176 # |
| 23) Hexachlor... | 0.000 | 3.560f | 0 | 39849 | N.D. | BelowCal |
| 24) Hexachlor... | 5.633f | 6.288f | 2403253 | 1291439 | 0.598 | 0.262 # |
| 25) Oxychlorane | 7.127 | 7.789 | 7097923 | 9954965 | 2.056 | 3.183 # |
| 26) 2,4'-DDE | 7.214 | 7.985 | 64122896 | 966.5E6 | 26.792 | 318.033 # |
| 27) trans-Non... | 7.397 | 8.050 | 1087.7E6 | 708.2E6 | 281.708 | 190.743 # |
| 28) 2,4'-DDD | 7.620f | 8.344 | 85393797 | 88663746 | 44.143 | 42.661 |
| 29) 2,4'-DDT | 7.790f | 8.588 | 21121664 | 10270512 | 11.360 | 5.352 # |
| 30) cis-Nonac... | 7.860 | 8.617 | 145.2E6 | 150.7E6 | 35.308 | 37.709 |
| 31) Mirex | 8.523 | 9.548 | 1503779 | 7310066 | 0.295 | 2.984 # |
| 32) Chlordane... | 7.301 | 7.985 | 890.7E6 | 966.5E6 | 2156.406 | 2231.465 |
| 33) Chlordane... | 7.397 | 8.094 | 1087.7E6 | 813.2E6 | 2114.048 | 2228.986 |
| 34) Chlordane... | 7.943 | 8.755 | 270.5E6 | 262.1E6 | 2092.451 | 2197.163 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.366 | 8.344f | 125.9E6 | 88663746 | 6934.647 | 2702.026 # |
| 37) Toxaphene... | 7.680 | 8.674 | 25750901 | 21591837 | 819.495 | 507.032 # |
| 38) Toxaphene... | 7.971 | 8.707 | 11938461 | 20620106 | 164.563 | 326.338 # |
| 39) Toxaphene... | 8.222 | 8.755 | 9826200 | 262.1E6 | 150.828 | 2198.416 # |
| 40) Toxaphene... | 8.428f | 8.927f | 4484836 | 4463472 | 86.107 | 76.018 |
| 41) Toxaphene... | 8.523 | 9.336 | 1503779 | 1019507 | 20.377 | 15.869 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:33
Operator : MJB
Sample : 0F06008-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 00:23
 Operator : MJB
 Sample : 0F06008-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:03:19 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

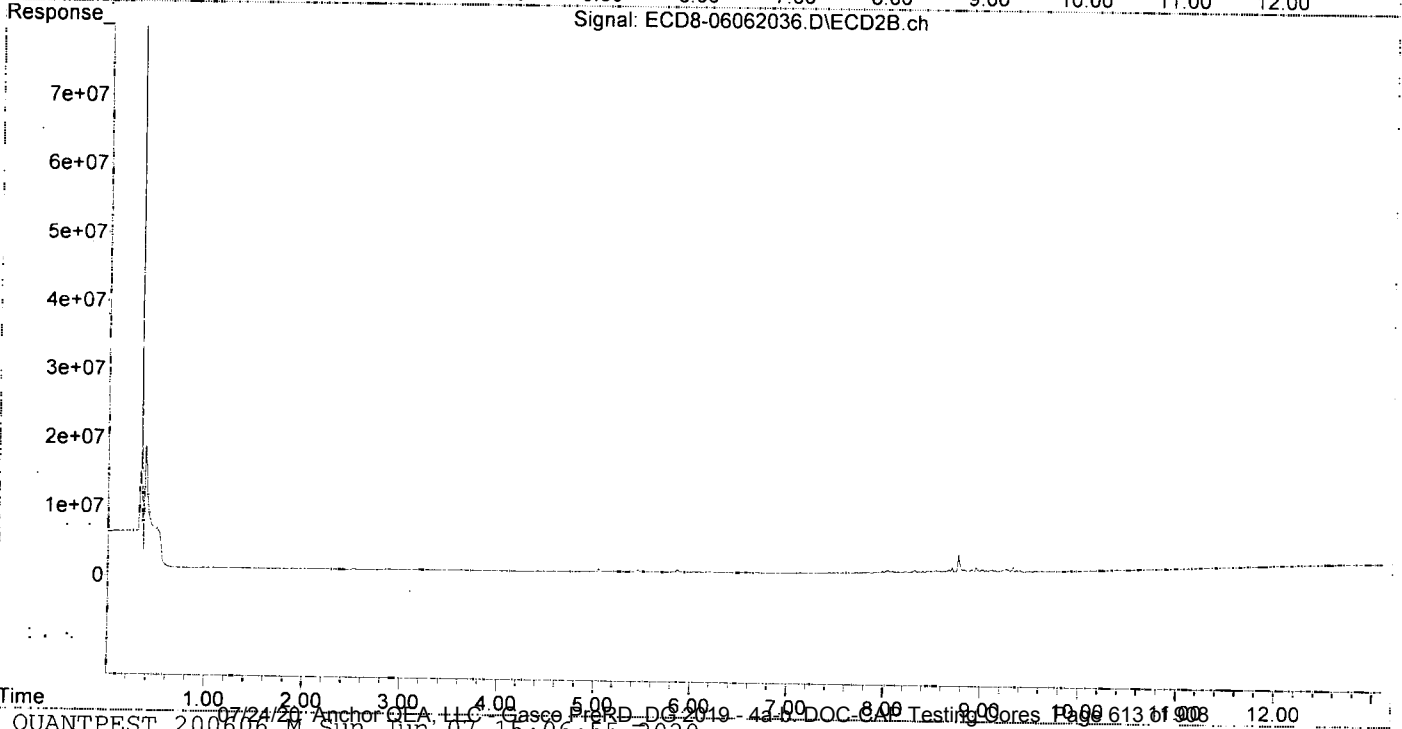
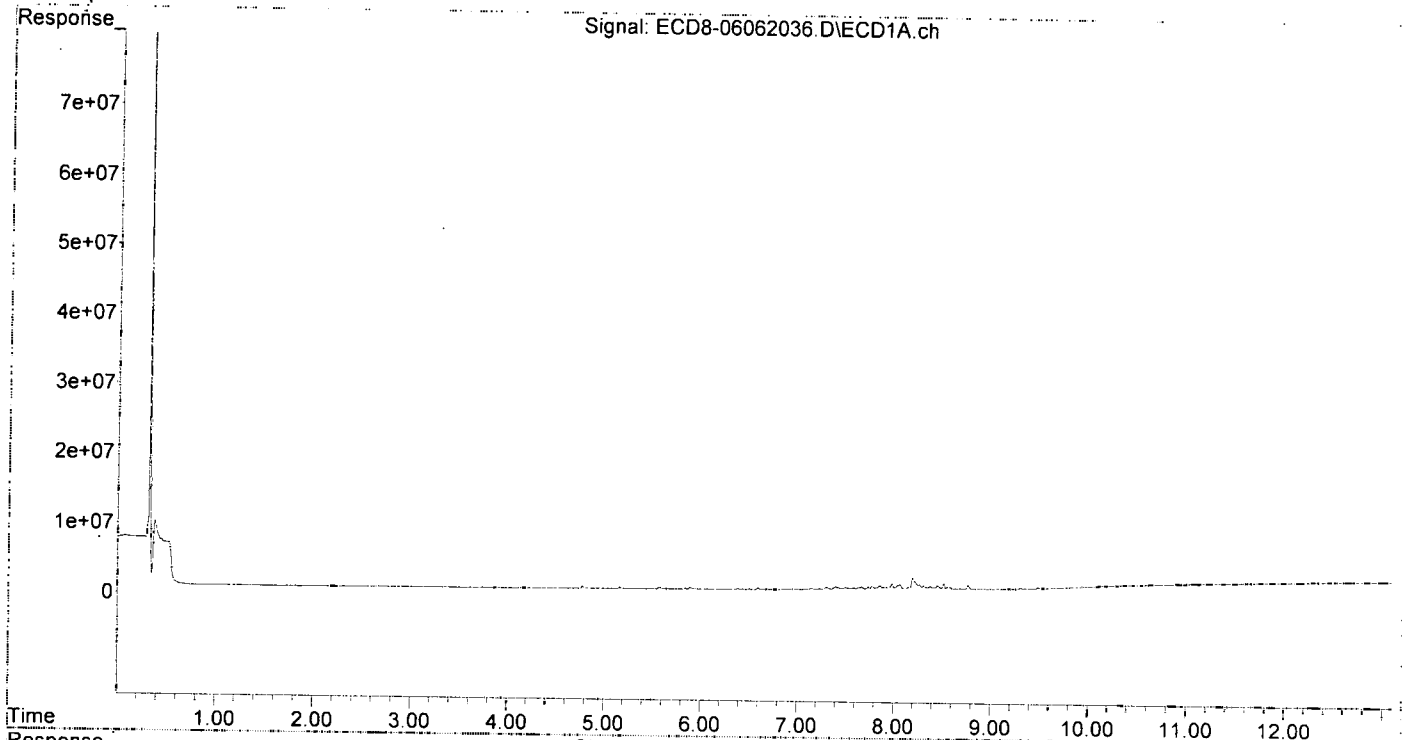
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.861 | 0 | 375491 | N.D. | 0.106 # |
| 22) S DCBP (S) | 9.482 | 10.393 | 212056 | 153398 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.810 | 6.478f | 17703 | 11343 | 0.004 | 0.002 # |
| 3) g-BHC | 6.134f | 6.765 | 30126 | 16246 | 0.007 | 0.004 # |
| 4) b-BHC | 6.140f | 6.841 | 34164 | 22015 | 0.019 | 0.012 # |
| 5) Heptachlor | 6.506 | 7.143 | 112780 | 93559 | 0.029 | 0.022 |
| 6) d-BHC | 6.321 | 7.092 | 20839 | 28545 | 0.039 | 0.043 |
| 7) Aldrin | 6.734 | 7.406 | 20845 | 6155 | 0.005 | 0.002 # |
| 8) Heptachlo... | 7.209 | 7.841 | 81606 | 98799 | 0.021 | 0.026 # |
| 9) trans-Chl... | 7.304 | 7.986 | 375305 | 261267 | 0.093 | 0.068 # |
| 10) cis-Chlor... | 7.397 | 8.093 | 444632 | 273491 | BelowCal | 0.073 |
| 11) Endosulfa... | 7.502 | 8.151 | 285317 | 154338 | 0.078 | 0.045 # |
| 12) 4,4'-DDE | 7.465 | 8.214 | 170748 | 181452 | 0.047 | 0.061 # |
| 13) Dieldrin | 7.671 | 8.364 | 428322 | 172506 | 0.106 | 0.045 # |
| 14) Endrin | 7.813 | 8.565 | 253405 | 279439 | 0.075 | 0.095 # |
| 15) 4,4'-DDD | 7.899 | 8.620 | 333362 | 249813 | 0.117 | 0.072 # |
| 16) Endosulfa... | 7.982 | 8.706 | 866733 | 737338 | 0.285 | 0.244 |
| 17) 4,4'-DDT | 8.062f | 8.832 | 697142 | 410612 | 0.316 | 0.127 # |
| 18) Endrin Al... | 8.270 | 8.953 | 704055 | 696424 | 0.059 | 0.241 # |
| 19) Endosulfa... | 8.585 | 9.151 | 322336 | 285806 | 0.109 | 0.096 |
| 20) Methoxychlor | 8.422 | 9.331 | 267378 | 742472 | 0.111 | 0.462 # |
| 21) Endrin Ke... | 8.767 | 9.553 | 630181 | 151615 | 0.177 | 0.045 # |
| 23) Hexachlor... | 0.000 | 3.558f | 0 | 49942 | N.D. | BelowCal |
| 24) Hexachlor... | 5.659 | 6.344f | 36997 | 45953 | BelowCal | BelowCal |
| 25) Oxychlordane | 7.138 | 7.762 | 167251 | 63001 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.209 | 7.986 | 81606 | 261267 | 0.034 | BelowCal # |
| 27) trans-Non... | 7.397 | 8.048 | 444632 | 315011 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.588 | 8.364 | 267371 | 172506 | BelowCal | 0.083 |
| 29) 2,4'-DDT | 7.771 | 8.590 | 450415 | 172387 | 0.073 | BelowCal # |
| 30) cis-Nonac... | 7.857 | 8.620 | 568211 | 249813 | 0.138 | 0.063 # |
| 31) Mirex | 8.516 | 9.553 | 860734 | 151615 | 0.030 | BelowCal # |
| 32) Chlordane... | 7.304 | 7.986 | 375305 | 261267 | 0.909 | 0.603 # |
| 33) Chlordane... | 7.397 | 8.093 | 444632 | 273491 | 0.864 | 0.750 |
| 34) Chlordane... | 7.946 | 8.773 | 260332 | 2581320 | 2.014 | 21.642 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.381 | 8.324 | 233297 | 372544 | 10.605m | 11.353 |
| 37) Toxaphene... | 7.671 | 8.673 | 428322 | 454972 | 9.914 | 10.684 |
| 38) Toxaphene... | 7.982 | 8.706 | 866733 | 737338 | 11.947 | 11.669 |
| 39) Toxaphene... | 8.222 | 8.773 | 1188909 | 2581320 | 10.025 | 10.159 |
| 40) Toxaphene... | 8.450 | 8.953 | 599046 | 696424 | 11.501 | 11.861 |
| 41) Toxaphene... | 8.516 | 9.331 | 860734 | 742472 | 11.664 | 11.557 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

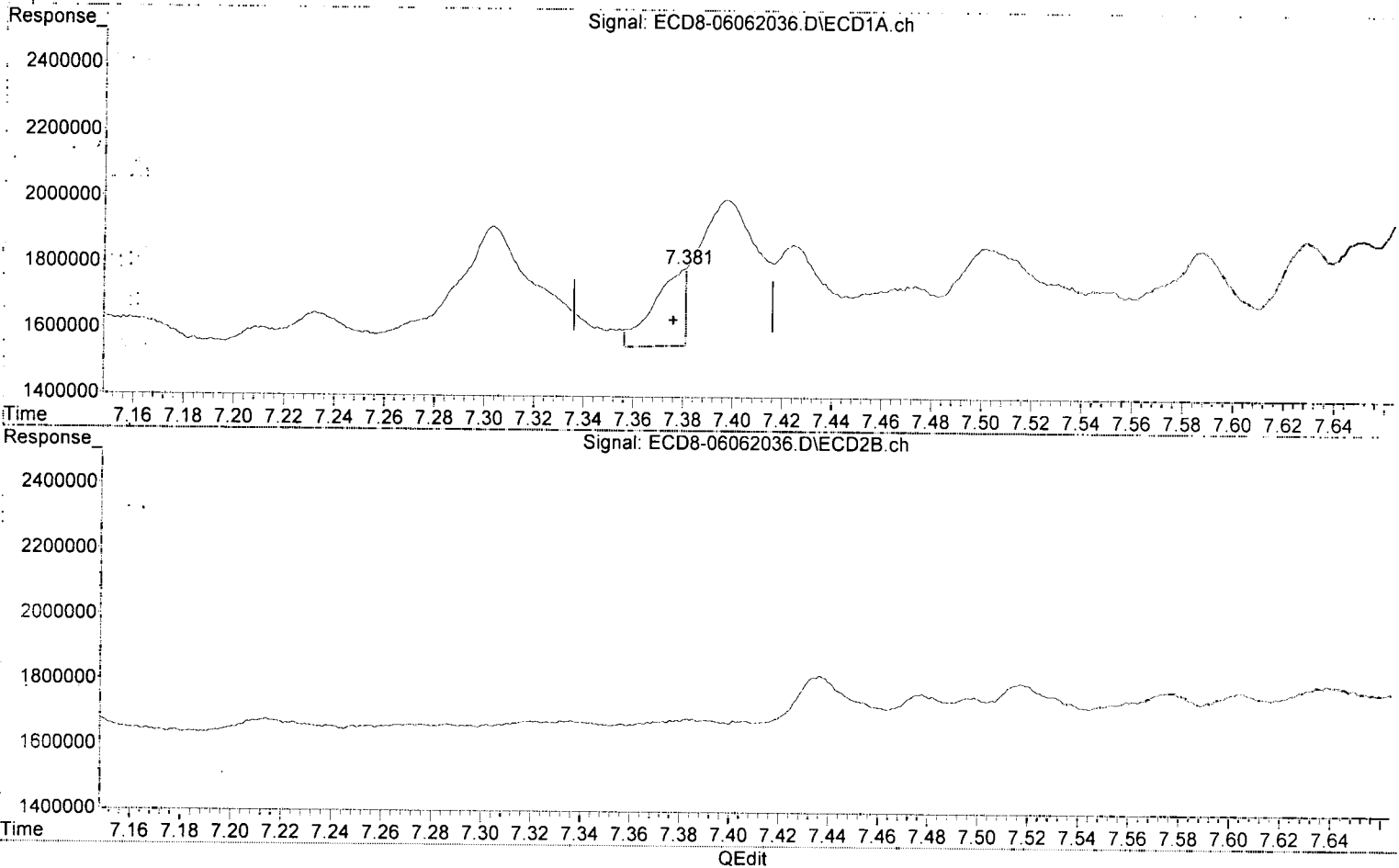
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(36) Toxaphene (1)
7.381min 10.605 ng/mL(m)
response 233297

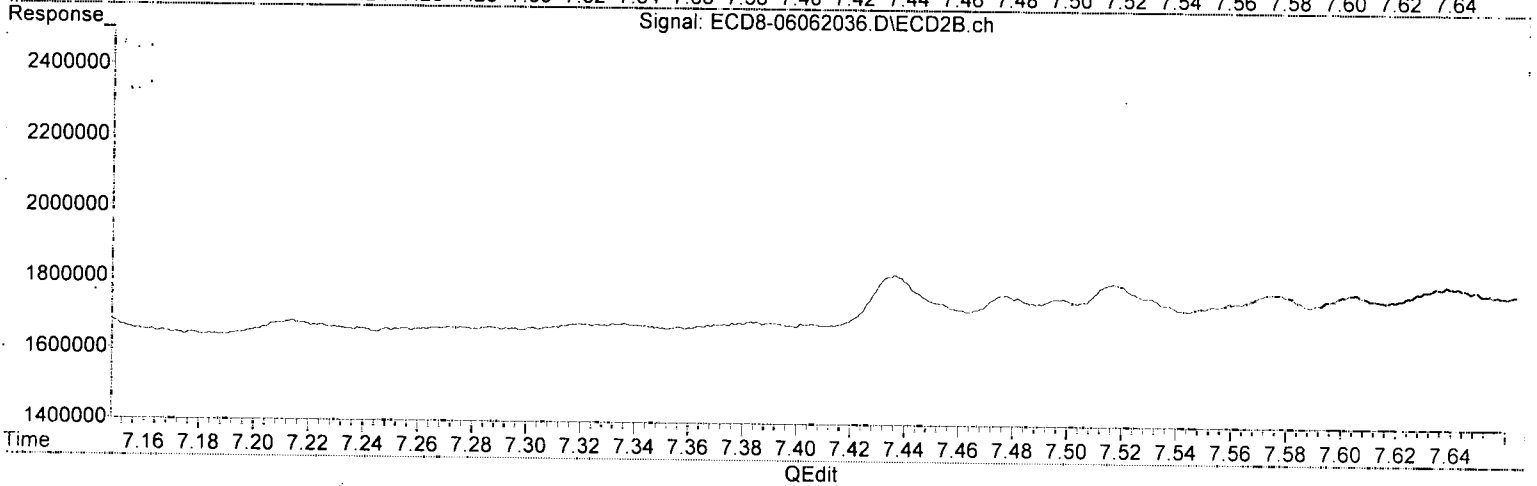
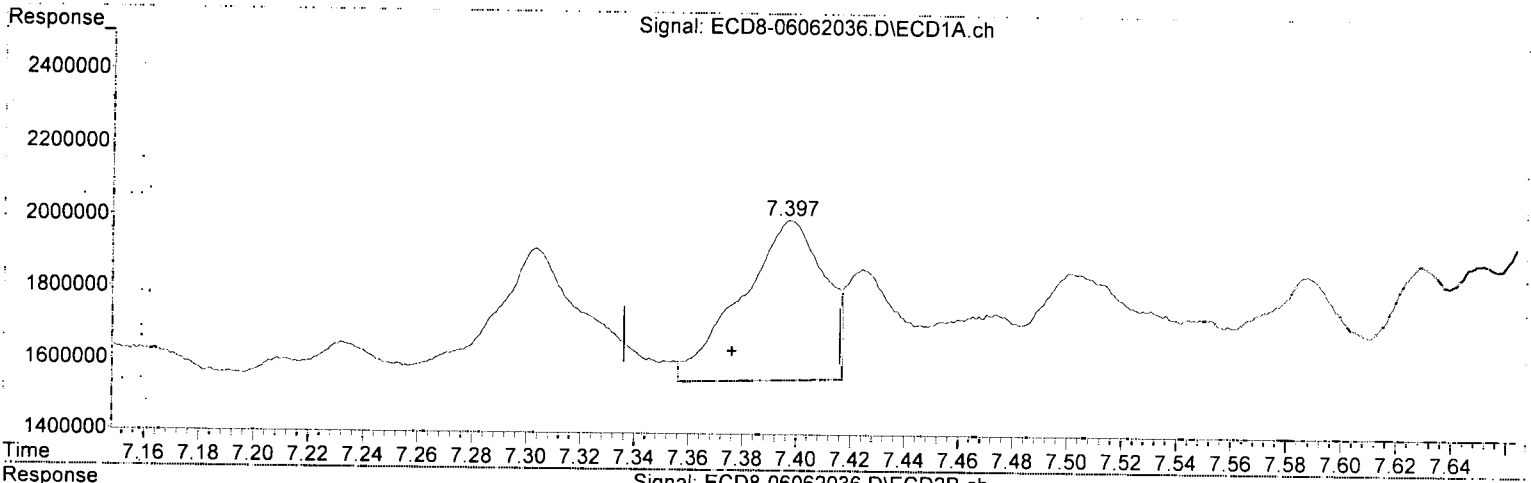
MJB
6/7/20

(36) Toxaphene (1) #2
8.324min 11.353 ng/mL
response 372544

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(36) Toxaphene (1)
7.397min 24.010 ng/mL
response ~~444632~~

MJB
6/7/20

(36) Toxaphene (1) #2
8.324min 11.353 ng/mL
response 372544

Quantitation Report (Not Reviewed)

Data Path: C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File: ECD8-06062036.D
 Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On: 7 Jun 2020 00:23
 Operator: MJB
 Sample: 0F06008-CALQ
 Misc: A20F084, TOX 10 ppb
 ALS Vial: 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:03:19 2020
 Quant Method: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title: Instrument: DualECD8
 QLast Update: Sun Jun 07 14:07:09 2020
 Response via: Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

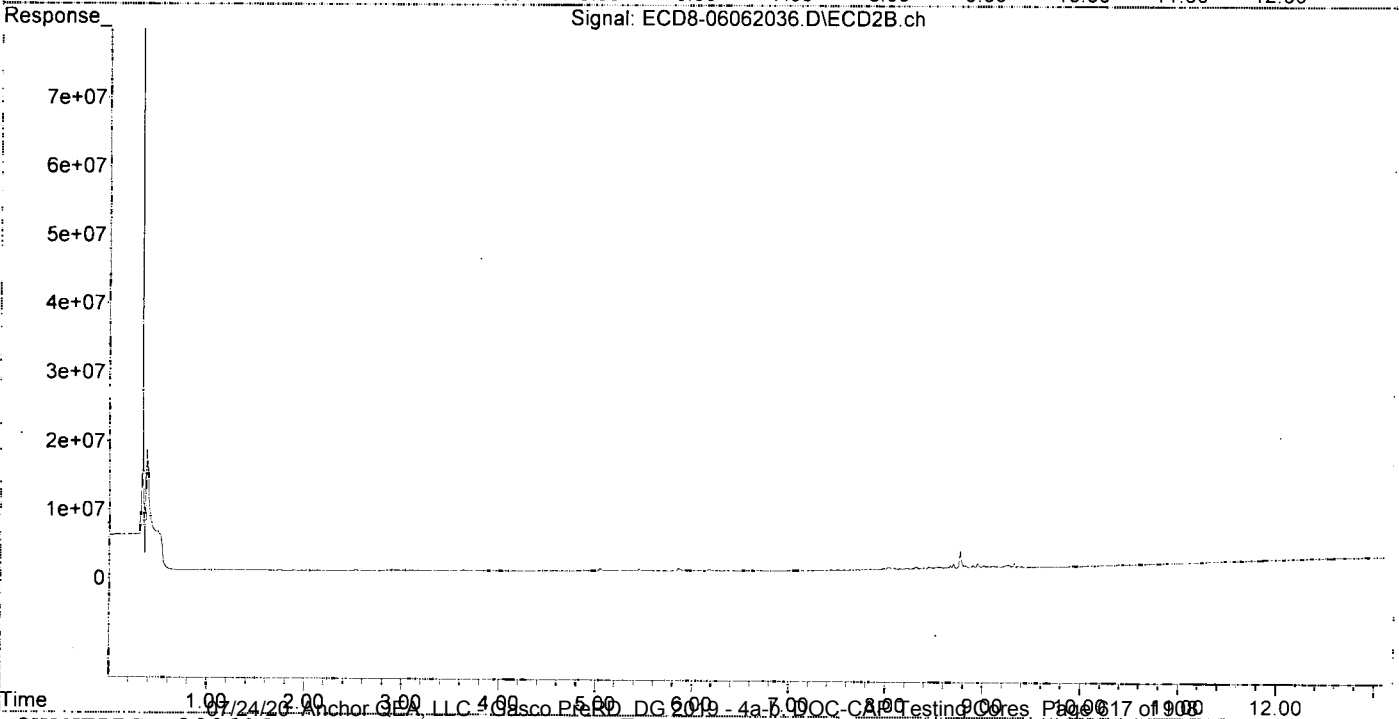
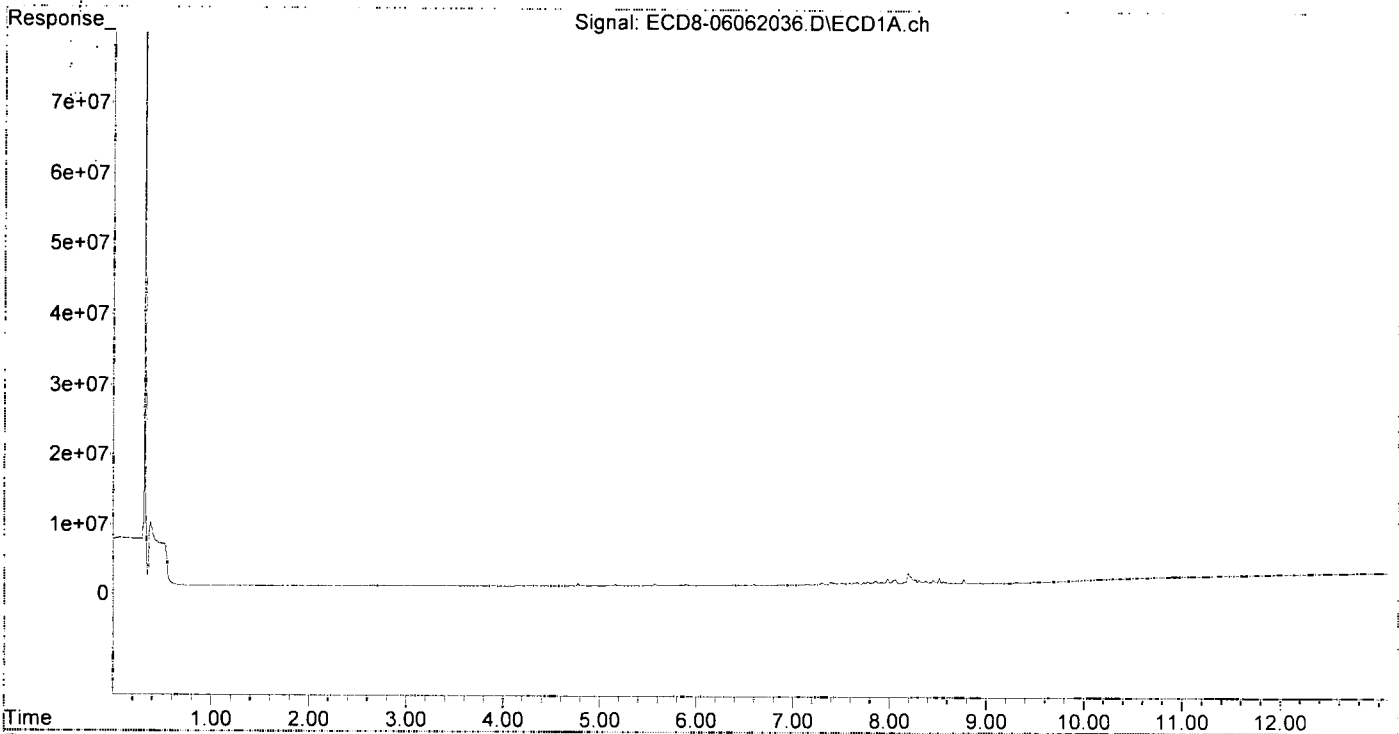
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.861 | 0 | 375491 | N.D. | 0.106 # |
| 22) S DCBP (S) | 9.482 | 10.393 | 212056 | 153398 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.810 | 6.478f | 17703 | 11343 | 0.004 | 0.002 # |
| 3) g-BHC | 6.134f | 6.765 | 30126 | 16246 | 0.007 | 0.004 # |
| 4) b-BHC | 6.140f | 6.841 | 34164 | 22015 | 0.019 | 0.012 # |
| 5) Heptachlor | 6.506 | 7.143 | 112780 | 93559 | 0.029 | 0.022 |
| 6) d-BHC | 6.321 | 7.092 | 20839 | 28545 | 0.039 | 0.043 |
| 7) Aldrin | 6.734 | 7.406 | 20845 | 6155 | 0.005 | 0.002 # |
| 8) Heptachlo... | 7.209 | 7.841 | 81606 | 98799 | 0.021 | 0.026 # |
| 9) trans-Chl... | 7.304 | 7.986 | 375305 | 261267 | 0.093 | 0.068 # |
| 10) cis-Chlor... | 7.397 | 8.093 | 444632 | 273491 | BelowCal | 0.073 |
| 11) Endosulfa... | 7.502 | 8.151 | 285317 | 154338 | 0.078 | 0.045 # |
| 12) 4,4'-DDE | 7.465 | 8.214 | 170748 | 181452 | 0.047 | 0.061 # |
| 13) Dieldrin | 7.671 | 8.364 | 428322 | 172506 | 0.106 | 0.045 # |
| 14) Endrin | 7.813 | 8.565 | 253405 | 279439 | 0.075 | 0.095 # |
| 15) 4,4'-DDD | 7.899 | 8.620 | 333362 | 249813 | 0.117 | 0.072 # |
| 16) Endosulfa... | 7.982 | 8.706 | 866733 | 737338 | 0.285 | 0.244 |
| 17) 4,4'-DDT | 8.062f | 8.832 | 697142 | 410612 | 0.316 | 0.127 # |
| 18) Endrin Al... | 8.270 | 8.953 | 704055 | 696424 | 0.059 | 0.241 # |
| 19) Endosulfa... | 8.585 | 9.151 | 322336 | 285806 | 0.109 | 0.096 |
| 20) Methoxychlor | 8.422 | 9.331 | 267378 | 742472 | 0.111 | 0.462 # |
| 21) Endrin Ke... | 8.767 | 9.553 | 630181 | 151615 | 0.177 | 0.045 # |
| 23) Hexachlor... | 0.000 | 3.558f | 0 | 49942 | N.D. | BelowCal |
| 24) Hexachlor... | 5.659 | 6.344f | 36997 | 45953 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.138 | 7.762 | 167251 | 63001 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.209 | 7.986 | 81606 | 261267 | 0.034 | BelowCal # |
| 27) trans-Non... | 7.897 | 8.048 | 444632 | 315011 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.588 | 8.364 | 267371 | 172506 | BelowCal | 0.083 |
| 29) 2,4'-DDT | 7.771 | 8.590 | 450415 | 172387 | 0.073 | BelowCal # |
| 30) cis-Nonac... | 7.857 | 8.620 | 568211 | 249813 | 0.138 | 0.063 # |
| 31) Mirex | 8.516 | 9.553 | 860734 | 151615 | 0.030 | BelowCal # |
| 32) Chlordane... | 7.304 | 7.986 | 375305 | 261267 | 0.909 | 0.603 # |
| 33) Chlordane... | 7.397 | 8.093 | 444632 | 273491 | 0.864 | 0.750 |
| 34) Chlordane... | 7.946 | 8.773 | 260332 | 2581320 | 2.014 | 21.642 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.397f | 8.324 | 444632 | 372544 | 24.010 | 11.353 # |
| 37) Toxaphene... | 7.671 | 8.673 | 428322 | 454972 | 9.914 | 10.684 |
| 38) Toxaphene... | 7.982 | 8.706 | 866733 | 737338 | 11.947 | 11.669 |
| 39) Toxaphene... | 8.222 | 8.773 | 1188909 | 2581320 | 10.025 | 10.159 |
| 40) Toxaphene... | 8.450 | 8.953 | 599046 | 696424 | 11.501 | 11.861 |
| 41) Toxaphene... | 8.516 | 9.331 | 860734 | 742472 | 11.664 | 11.557 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 00:39
 Operator : MJB
 Sample : 0F06008-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:04:02 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

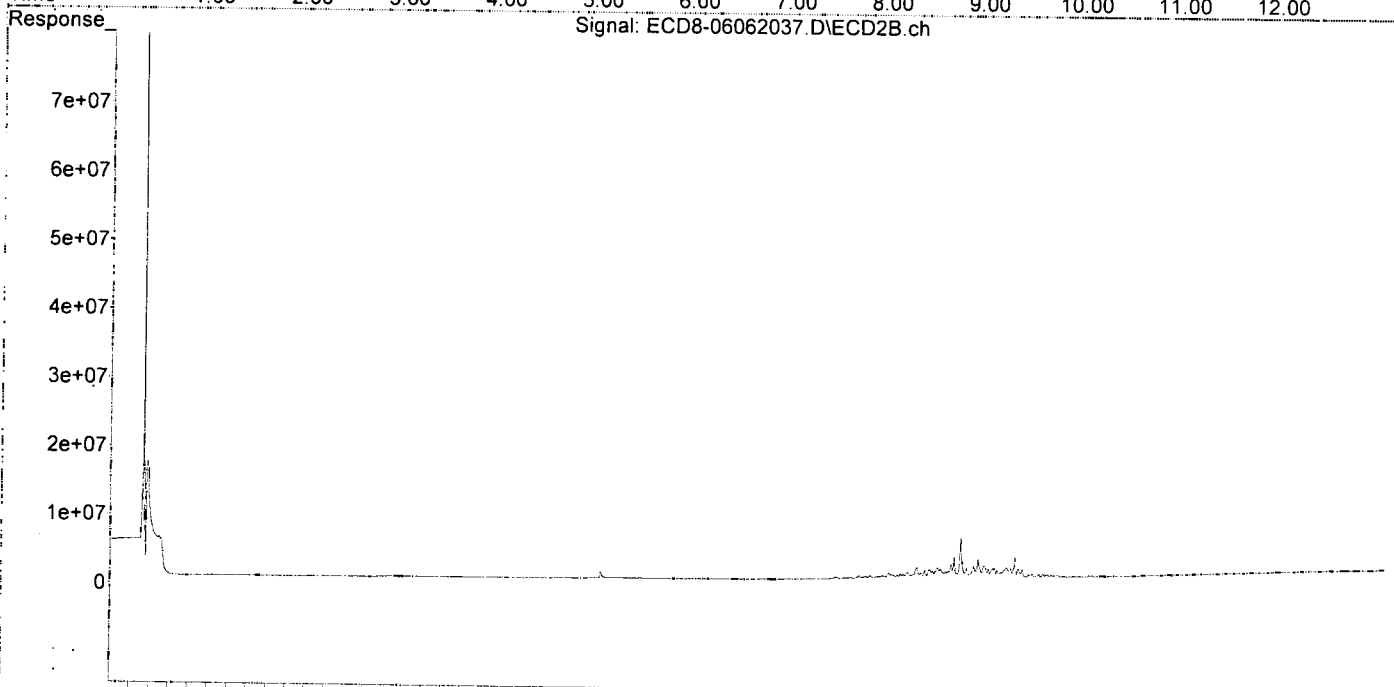
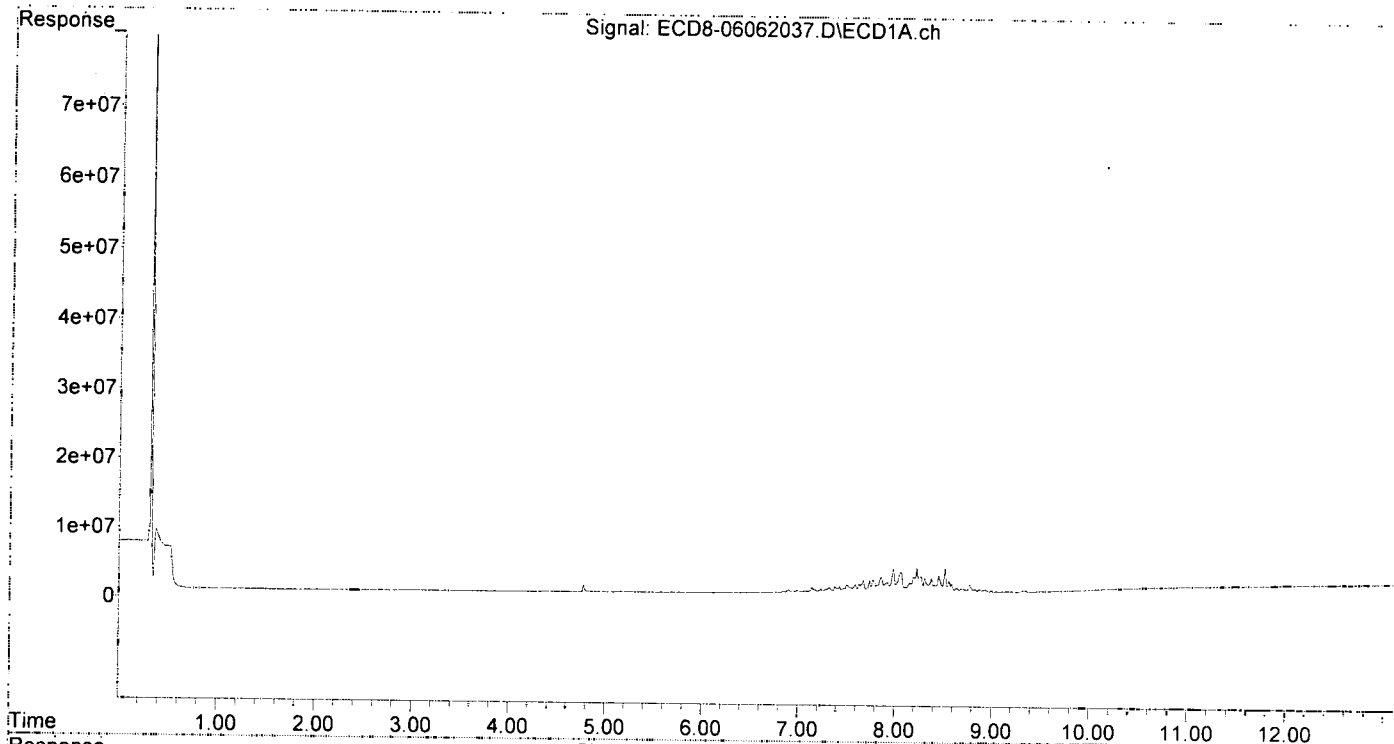
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|---------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.862 | 0 | 54331 | N.D. | 0.015 # |
| 22) S DCBP (S) | 9.475 | 10.373f | 48858 | 42389 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.811 | 6.431f | 13369 | 9671 | 0.003 | 0.002 # |
| 3) g-BHC | 6.129f | 6.763 | 6629 | 14632 | 0.002 | 0.003 # |
| 4) b-BHC | 6.174 | 6.844 | 5748 | 12470 | 0.003 | 0.007 # |
| 5) Heptachlor | 6.504 | 7.147 | 43006 | 31849 | 0.011 | 0.008 # |
| 6) d-BHC | 6.339 | 7.088 | 17843 | 32092 | 0.038 | 0.044 # |
| 7) Aldrin | 6.747 | 7.404 | 81426 | 28241 | 0.019 | 0.007 # |
| 8) Heptachlo... | 7.211 | 7.840 | 312255 | 478092 | 0.079 | 0.127 # |
| 9) trans-Chl... | 7.289 | 7.989 | 459601 | 352162 | 0.114 | 0.092 # |
| 10) cis-Chlor... | 7.405 | 8.077 | 550412 | 561883 | BelowCal | 0.151 # |
| 11) Endosulfa... | 7.502 | 8.152 | 1105616 | 715087 | 0.300 | 0.211 # |
| 12) 4,4'-DDE | 7.473 | 8.215 | 601481 | 803801 | 0.164 | 0.249 # |
| 13) Dieldrin | 7.671 | 8.364 | 1751397 | 840591 | 0.434 | 0.218 # |
| 14) Endrin | 7.814 | 8.564 | 1119157 | 1338960 | 0.332 | 0.453 # |
| 15) 4,4'-DDD | 7.899 | 8.619 | 1347952 | 992525 | 0.472 | 0.356 # |
| 16) Endosulfa... | 7.982 | 8.706 | 3429819 | 3049566 | 1.127 | 1.009 # |
| 17) 4,4'-DDT | 8.064 | 8.833 | 2934214 | 1387198 | 1.297 | 0.520 # |
| 18) Endrin Al... | 8.270 | 8.952 | 2351147 | 2698078 | 0.664 | 0.933 # |
| 19) Endosulfa... | 8.587 | 9.149 | 1218490 | 1085513 | 0.413 | 0.366 # |
| 20) Methoxychlor | 8.422 | 9.330 | 1033546 | 3021892 | 0.839 | 2.352 # |
| 21) Endrin Ke... | 8.768 | 9.576f | 1141083 | 466885 | 0.320 | 0.139 # |
| 23) Hexachlor... | 0.000 | 3.550 | 0 | 7917 | N.D. | BelowCal |
| 24) Hexachlor... | 0.000 | 6.313 | 0 | 11118 | N.D. | BelowCal |
| 25) Oxychlorane | 7.139 | 7.761 | 726510 | 255679 | 0.035 | BelowCal # |
| 26) 2,4'-DDE | 7.211 | 7.989 | 312255 | 352162 | 0.130 | BelowCal # |
| 27) trans-Non... | 7.377 | 8.060 | 867007 | 583694 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.588 | 8.364 | 1154338 | 840591 | 0.419 | 0.404 # |
| 29) 2,4'-DDT | 7.771 | 8.590 | 1856177 | 911096 | 0.850 | 0.323 # |
| 30) cis-Nonac... | 7.858 | 8.619 | 2252767 | 992525 | 0.548 | 0.248 # |
| 31) Mirex | 8.517 | 9.501f | 3477197 | 505881 | 1.106 | BelowCal # |
| 32) Chlordane... | 7.289 | 7.989 | 459601 | 352162 | 1.113 | 0.813 # |
| 33) Chlordane... | 7.405 | 8.077 | 550412 | 561883 | 1.070 | 1.540 # |
| 34) Chlordane... | 7.921f | 8.773 | 1468925 | 5845916 | 11.363 | 49.012 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.377 | 8.324 | 867007 | 1668991 | 50.779 | 50.862 # |
| 37) Toxaphene... | 7.671 | 8.673 | 1751397 | 2027364 | 52.028 | 47.608 # |
| 38) Toxaphene... | 7.982 | 8.706 | 3429819 | 3049566 | 47.278 | 48.263 # |
| 39) Toxaphene... | 8.223 | 8.773 | 3584023 | 5845916 | 49.354 | 46.142 # |
| 40) Toxaphene... | 8.450 | 8.952 | 2442896 | 2698078 | 46.903 | 45.952 # |
| 41) Toxaphene... | 8.517 | 9.330 | 3477197 | 3021892 | 47.119 | 47.036 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:39
Operator : MJB
Sample : 0F06008-CALR
Misc : A20F064, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 00:56
 Operator : MJB
 Sample : 0F06008-CALS
 Misc : A20F065, TOX 100 ppb
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:04:10 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*MJB
6/7/20*

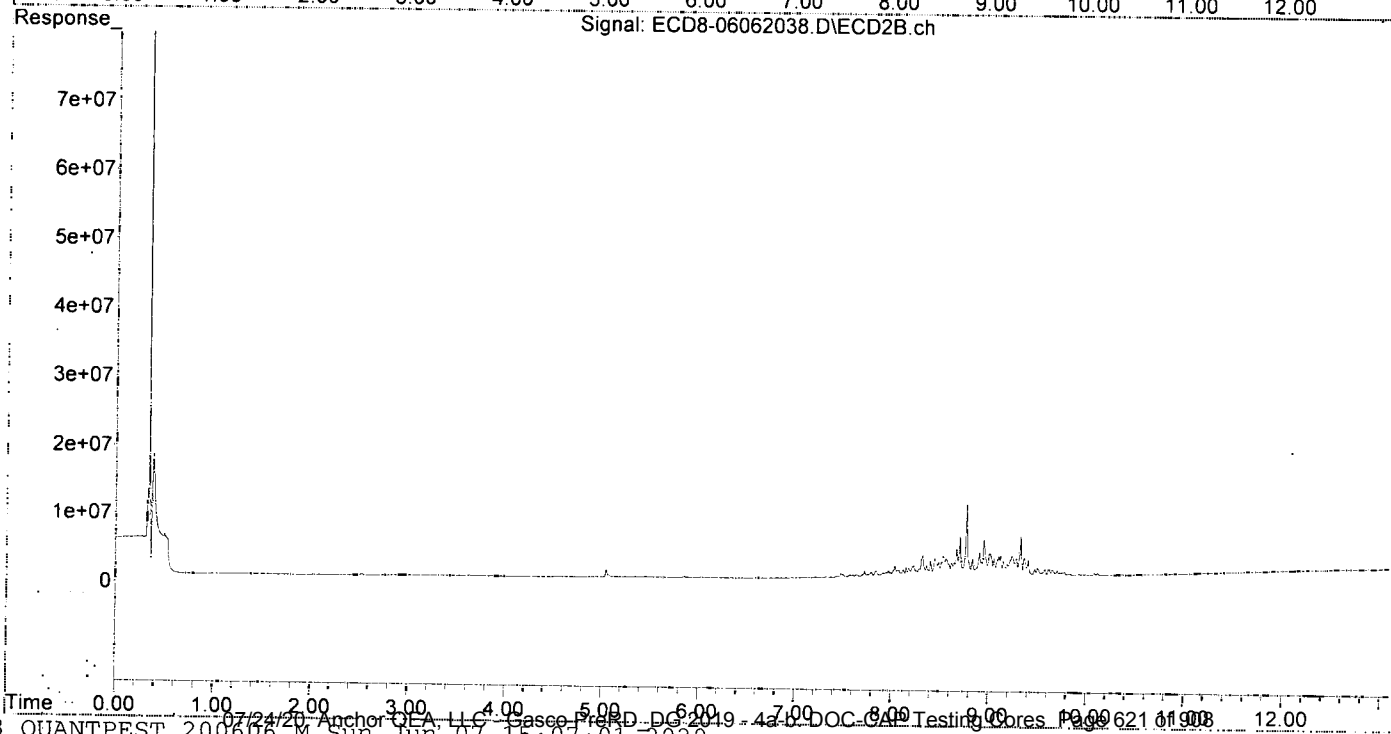
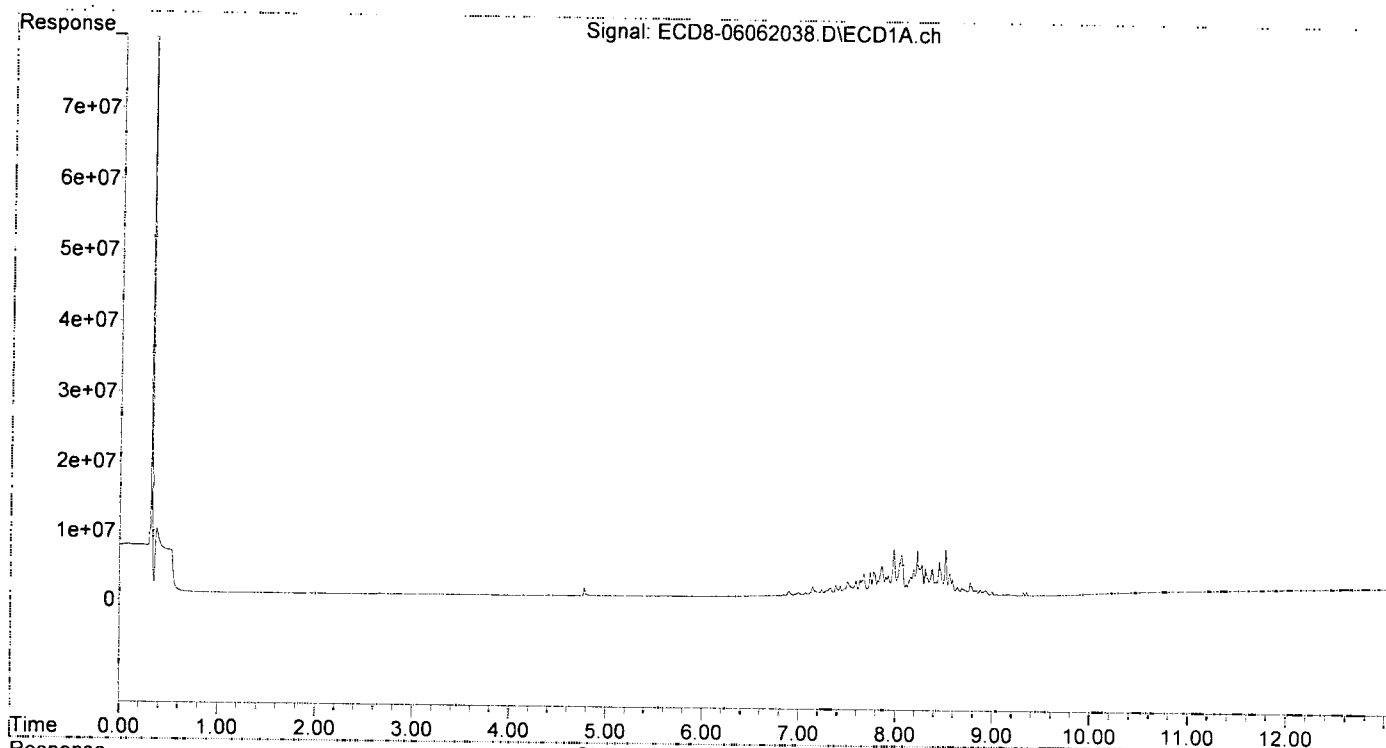
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.861 | 0 | 166986 | N.D. | 0.047 # |
| 22) S DCBP (S) | 9.474 | 10.412 | 101516 | 7143 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.818 | 6.456 | 25529 | 18704 | 0.005 | 0.004 # |
| 3) g-BHC | 0.000 | 6.763 | 0 | 25387 | N.D. | 0.006 # |
| 4) b-BHC | 6.175 | 6.846 | 26293 | 13677 | 0.015 | 0.007 # |
| 5) Heptachlor | 6.508 | 7.148 | 75785 | 55482 | 0.019 | 0.013 # |
| 6) d-BHC | 6.309 | 7.089 | 12956 | 45153 | 0.037 | 0.048 # |
| 7) Aldrin | 6.745 | 7.406 | 191692 | 66183 | 0.044 | 0.017 # |
| 8) Heptachlo... | 7.211 | 7.839 | 624975 | 935549 | 0.158 | 0.249 # |
| 9) trans-Chl... | 7.289 | 7.991 | 856511 | 705355 | 0.213 | 0.185 |
| 10) cis-Chlor... | 7.378f | 8.076 | 1661660 | 1043672 | 0.251 | 0.280 |
| 11) Endosulfa... | 7.503 | 8.151 | 2127326 | 1429835 | 0.578 | 0.422 # |
| 12) 4,4'-DDE | 7.474 | 8.213 | 1122780 | 1624430 | 0.306 | 0.497 # |
| 13) Dieldrin | 7.670 | 8.363 | 3335225 | 1692144 | 0.826 | 0.439 # |
| 14) Endrin | 7.814 | 8.562 | 2357664 | 2632406 | 0.699 | 0.890 # |
| 15) 4,4'-DDD | 7.898 | 8.620 | 2768324 | 2101439 | 0.970 | 0.779 |
| 16) Endosulfa... | 7.981 | 8.706 | 6846475 | 5827857 | 2.250 | 1.927 |
| 17) 4,4'-DDT | 8.058f | 8.833 | 6014080 | 2631541 | 2.643 | 1.020 # |
| 18) Endrin Al... | 8.269 | 8.952 | 4625839 | 5383300 | 1.499 | 1.861 |
| 19) Endosulfa... | 8.586 | 9.149 | 2468195 | 2308783 | 0.836 | 0.779 |
| 20) Methoxychlor | 8.420 | 9.330 | 2196912 | 5801758 | 1.942 | 4.642 # |
| 21) Endrin Ke... | 8.769 | 9.576f | 2002222 | 1032720 | 0.561 | 0.307 # |
| 23) Hexachlor... | 0.000 | 3.557f | 0 | 22047 | N.D. | BelowCal |
| 24) Hexachlor... | 5.628f | 6.320 | 24077 | 18109 | BelowCal | BelowCal |
| 25) Oxychlordane | 7.139 | 7.760 | 1439800 | 504807 | 0.262 | BelowCal # |
| 26) 2,4'-DDE | 7.211 | 7.991 | 624975 | 705355 | 0.261 | 0.085 # |
| 27) trans-Non... | 7.378 | 8.060 | 1661660 | 1088052 | 0.198 | 0.078 # |
| 28) 2,4'-DDD | 7.587 | 8.363 | 2268578 | 1692144 | 1.018 | 0.814 |
| 29) 2,4'-DDT | 7.770 | 8.562 | 3635385 | 2632406 | 1.831 | 1.256 # |
| 30) cis-Nonac... | 7.857 | 8.620 | 4471293 | 2101439 | 1.087 | 0.526 # |
| 31) Mirex | 8.516 | 9.501f | 6835641 | 1181031 | 2.486 | 0.242 # |
| 32) Chlordane... | 7.289 | 7.991 | 856511 | 705355 | 2.074 | 1.628 |
| 33) Chlordane... | 7.378 | 8.076 | 1661660 | 1043672 | 3.230 | 2.861 |
| 34) Chlordane... | 7.921f | 8.773 | 2995147 | 10563005 | 23.168 | 88.560 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.378 | 8.323 | 1661660 | 3187485 | 101.055 | 97.139 |
| 37) Toxaphene... | 7.670 | 8.672 | 3335225 | 4059174 | 102.470 | 95.320 |
| 38) Toxaphene... | 7.981 | 8.706 | 6846475 | 5827857 | 94.374 | 92.233 |
| 39) Toxaphene... | 8.222 | 8.773 | 6690852 | 10563005 | 100.042 | 97.495 |
| 40) Toxaphene... | 8.449 | 8.952 | 4962066 | 5383300 | 95.270 | 91.684 |
| 41) Toxaphene... | 8.516 | 9.330 | 6835641 | 5801758 | 92.628 | 90.306 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:56
Operator : MJB
Sample : 0F06008-CALS
Misc : A20F065, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 1:12
 Operator : MJB
 Sample : 0F06008-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:04:19 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

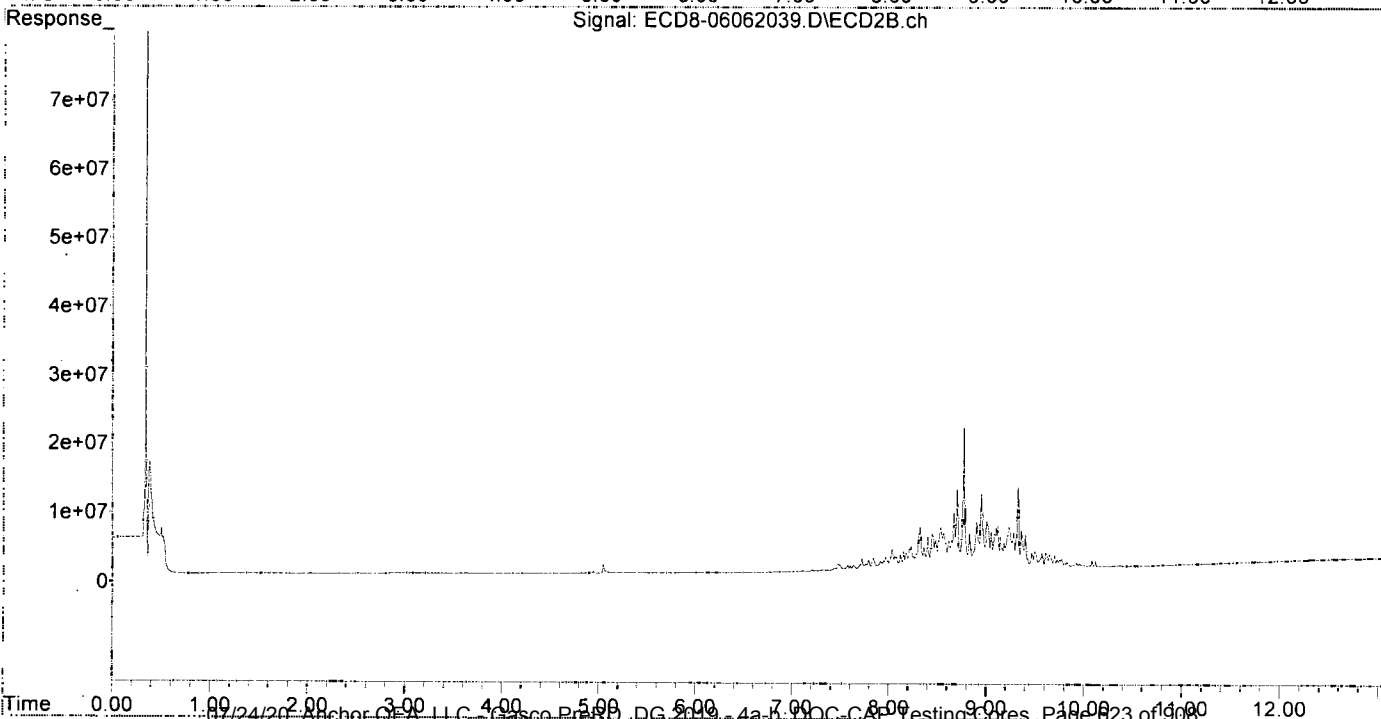
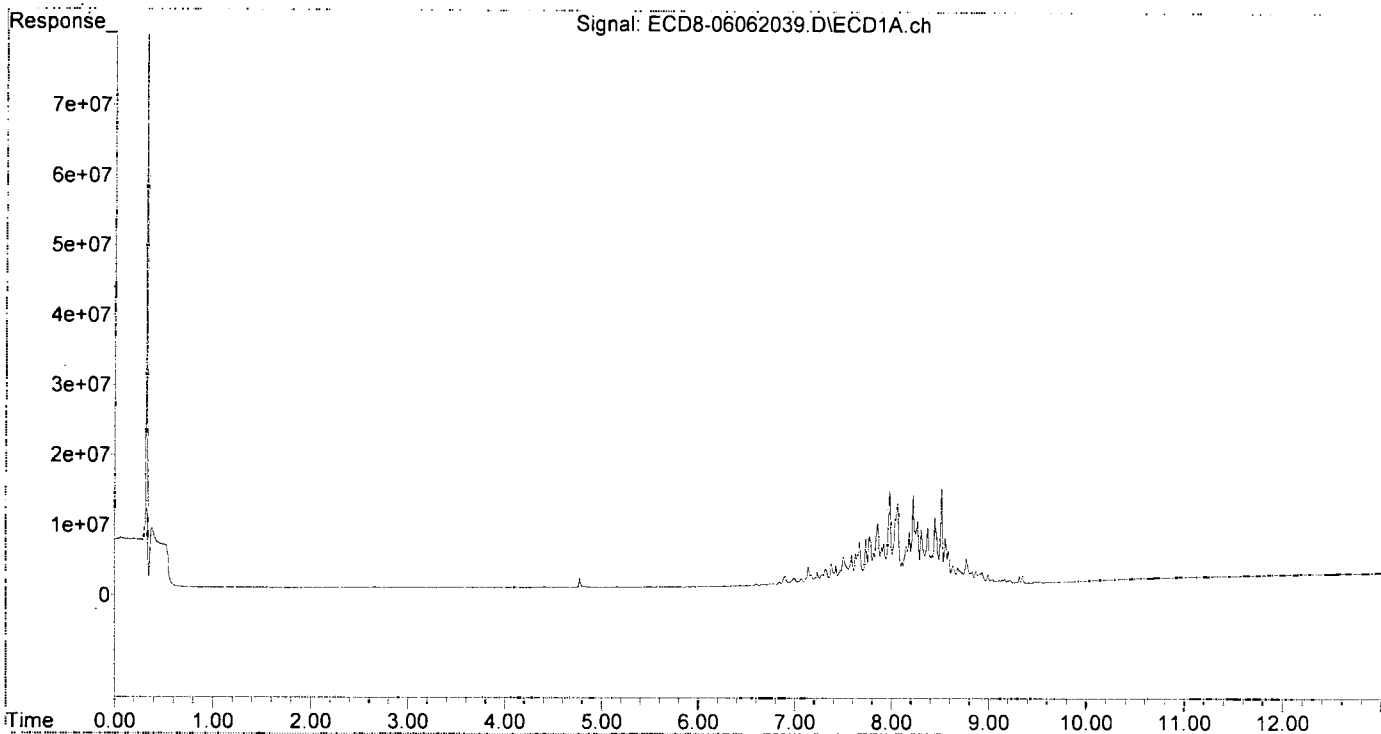
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|---------|----------|----------|----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.296f | 5.842 | 13483 | 24710 | 0.004 | 0.007 # |
| 22) S DCBP (S) | 9.473 | 10.371f | 207793 | 189983 | BelowCal | BelowCal |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.816 | 6.452 | 33053 | 33624 | 0.007 | 0.007 |
| 3) g-BHC | 6.105 | 6.766 | 11121 | 40870 | 0.003 | 0.010 # |
| 4) b-BHC | 6.169 | 6.841 | 6914 | 23464 | 0.004 | 0.013 # |
| 5) Heptachlor | 6.506 | 7.147 | 139489 | 127412 | 0.035 | 0.030 |
| 6) d-BHC | 6.317 | 7.111 | 25690 | 190547 | 0.041 | 0.087 # |
| 7) Aldrin | 6.745 | 7.437f | 359879 | 438187 | 0.083 | 0.109 # |
| 8) Heptachlo... | 7.209 | 7.840 | 1189159 | 1850625 | 0.301 | 0.492 # |
| 9) trans-Chl... | 7.287 | 7.991 | 1635908 | 1470311 | 0.407 | 0.385 |
| 10) cis-Chlor... | 7.405 | 8.077 | 1771458 | 2027126 | 0.281 | 0.544 # |
| 11) Endosulfa... | 7.501 | 8.151 | 4055606 | 2743080 | 1.102 | 0.809 # |
| 12) 4,4'-DDE | 7.473 | 8.214 | 2153947 | 3180681 | 0.588 | 0.967 # |
| 13) Dieldrin | 7.670 | 8.362 | 6236956 | 3320054 | 1.545 | 0.861 # |
| 14) Endrin | 7.814 | 8.563 | 4683726 | 5269901 | 1.388 | 1.783 # |
| 15) 4,4'-DDD | 7.898 | 8.619 | 5435331 | 4135266 | 1.905 | 1.552 |
| 16) Endosulfa... | 7.980 | 8.705 | 13382025 | 11658085 | 4.398 | 3.855 |
| 17) 4,4'-DDT | 8.062f | 8.833 | 11628527 | 5144630 | 5.081 | 2.026 # |
| 18) Endrin Al... | 8.269 | 8.952 | 9052524 | 10785883 | 3.122 | 3.728 |
| 19) Endosulfa... | 8.585 | 9.150 | 4843113 | 4611724 | 1.640 | 1.555 |
| 20) Methoxychlor | 8.420 | 9.330 | 4209960 | 11724043 | 3.840 | 9.460 # |
| 21) Endrin Ke... | 8.769 | 9.576f | 3656574 | 2159294 | 1.025 | 0.643 # |
| 23) Hexachlor... | 0.000 | 3.556f | 0 | 14926 | N.D. | BelowCal |
| 24) Hexachlor... | 5.694f | 6.310 | 21608 | 18700 | BelowCal | BelowCal |
| 25) Oxychlordan... | 7.138 | 7.760 | 2728782 | 1004331 | 0.671 | 0.128 # |
| 26) 2,4'-DDE | 7.209 | 7.991 | 1189159 | 1470311 | 0.497 | 0.450 |
| 27) trans-Non... | 7.405 | 8.061 | 1771458 | 2046707 | 0.230 | 0.373 # |
| 28) 2,4'-DDD | 7.587 | 8.362 | 4370951 | 3320054 | 2.146 | 1.597 # |
| 29) 2,4'-DDT | 7.770 | 8.563 | 7032689 | 5269901 | 3.698 | 2.677 # |
| 30) cis-Nonac... | 7.858 | 8.619 | 8813326 | 4135266 | 2.143 | 1.035 # |
| 31) Mirex | 8.516 | 9.501f | 13660201 | 2421723 | 5.288 | 0.798 # |
| 32) Chlordane... | 7.287 | 7.991 | 1635908 | 1470311 | 3.960 | 3.395 |
| 33) Chlordane... | 7.405 | 8.077 | 1771458 | 2027126 | 3.443 | 5.556 # |
| 34) Chlordane... | 7.921f | 8.773 | 5900726 | 20436846 | 45.644 | 171.342 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.376 | 8.323 | 3191894 | 6174593 | 197.562 | 188.171 |
| 37) Toxaphene... | 7.670 | 8.672 | 6236956 | 8120804 | 194.958 | 190.697 |
| 38) Toxaphene... | 7.980 | 8.705 | 13382025 | 11658085 | 184.462 | 184.503 |
| 39) Toxaphene... | 8.223 | 8.773 | 12821813 | 20436846 | 199.013 | 202.667 |
| 40) Toxaphene... | 8.449 | 8.952 | 9567302 | 10785883 | 183.689 | 183.697 |
| 41) Toxaphene... | 8.516 | 9.330 | 13660201 | 11724043 | 185.107 | 182.488 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:12
Operator : MJB
Sample : 0F06008-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 1:29
 Operator : MJB
 Sample : 0F06008-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:04:29 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*MB
6/7/20*

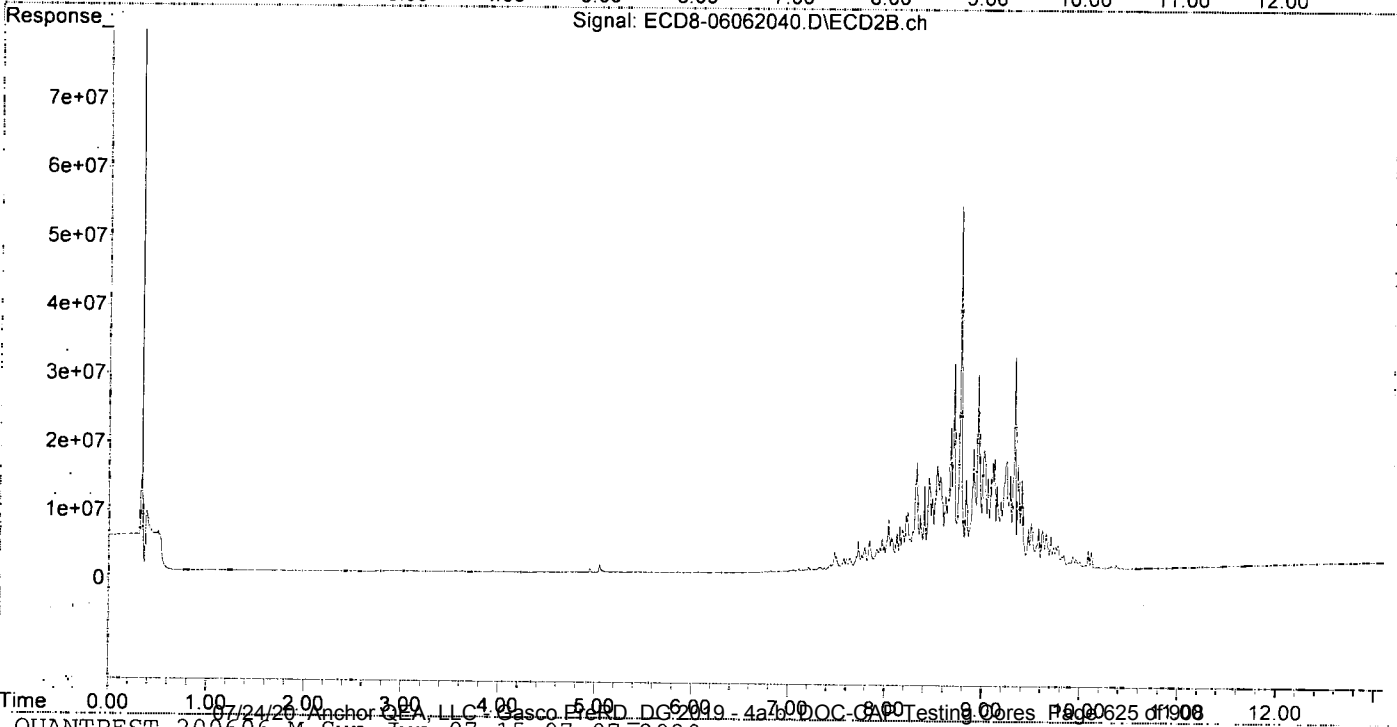
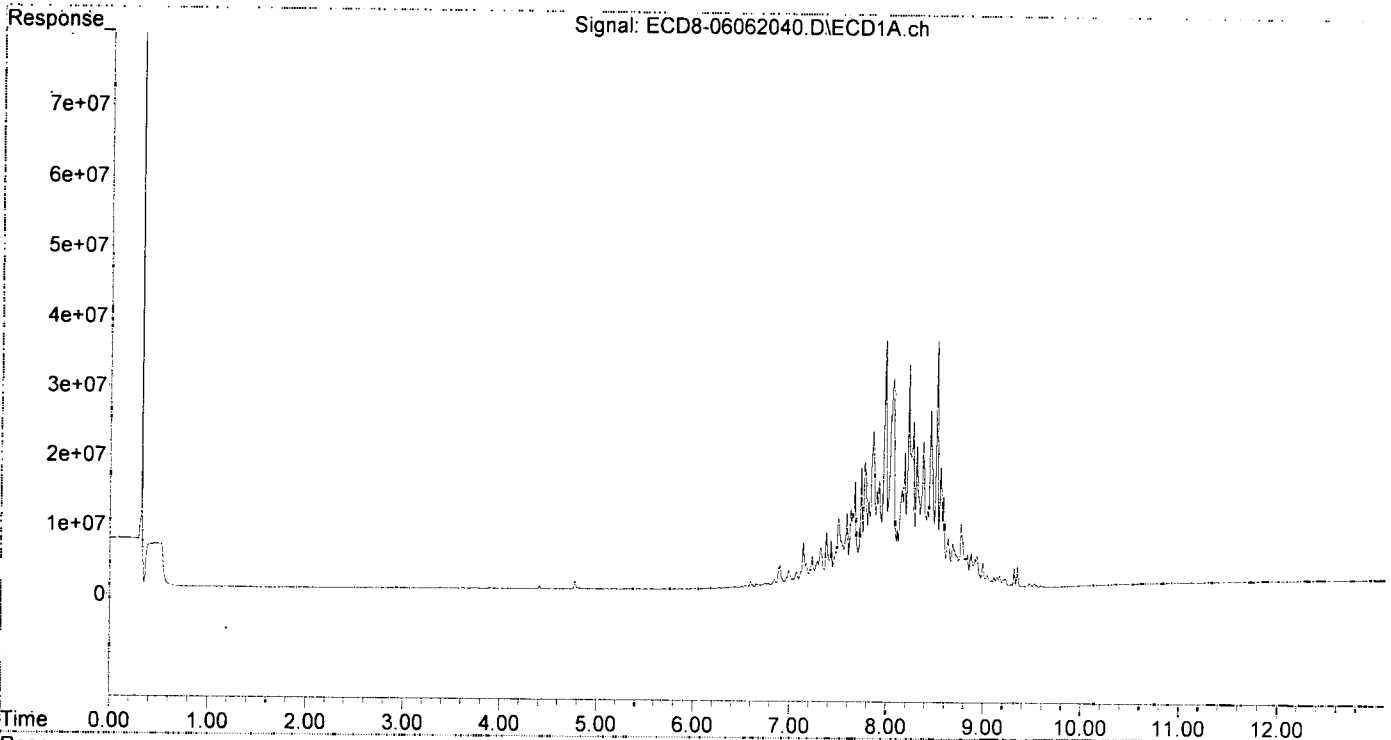
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|---------|----------|----------|----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.290 | 5.860 | 14829 | 93705 | 0.004 | 0.026 # |
| 22) S DCBP (S) | 9.473 | 10.370f | 569568 | 608121 | BelowCal | 0.067 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.454 | 64368 | 65022 | 0.013 | 0.014 |
| 3) g-BHC | 6.083 | 6.765 | 29424 | 122933 | 0.007 | 0.029 # |
| 4) b-BHC | 6.168 | 6.841 | 100707 | 84817 | 0.056 | 0.046 |
| 5) Heptachlor | 6.506 | 7.147 | 355565 | 348969 | 0.090 | 0.082 |
| 6) d-BHC | 6.307 | 7.088 | 114538 | 241657 | 0.067 | 0.101 # |
| 7) Aldrin | 6.745 | 7.436f | 862543 | 1084916 | 0.200 | 0.271 # |
| 8) Heptachlo... | 7.209 | 7.839 | 2850192 | 4541282 | 0.721 | 1.206 # |
| 9) trans-Chl... | 7.288 | 7.991 | 3925074 | 3649633 | 0.976 | 0.956 |
| 10) cis-Chlor... | 7.405 | 8.075 | 4058426 | 4815998 | 0.913 | 1.293 # |
| 11) Endosulfa... | 7.500 | 8.151 | 10009465 | 6669990 | 2.719 | 1.966 # |
| 12) 4,4'-DDE | 7.473 | 8.213 | 5313209 | 8239426 | 1.450 | 2.489 # |
| 13) Dieldrin | 7.669 | 8.362 | 15296757 | 8197389 | 3.790 | 2.126 # |
| 14) Endrin | 7.813 | 8.564 | 12384484 | 13770795 | 3.670 | 4.658 # |
| 15) 4,4'-DDD | 7.896 | 8.620 | 13907509 | 10797952 | 4.874 | 4.069 |
| 16) Endosulfa... | 7.980 | 8.704 | 35720189 | 30150729 | 11.739 | 9.971 |
| 17) 4,4'-DDT | 8.063 | 8.832 | 30102907 | 13283762 | 12.966 | 5.257 # |
| 18) Endrin Al... | 8.269 | 8.951 | 23950429 | 28463697 | 8.568 | 9.838 |
| 19) Endosulfa... | 8.586 | 9.149 | 13079264 | 12292873 | 4.429 | 4.146 |
| 20) Methoxychlor | 8.420 | 9.330 | 11096270 | 30904377 | 10.244 | 24.552 # |
| 21) Endrin Ke... | 8.768 | 9.575f | 9092897 | 6096100 | 2.549 | 1.815 # |
| 23) Hexachlor... | 0.000 | 3.559f | 0 | 149559 | N.D. | BelowCal |
| 24) Hexachlor... | 5.693f | 6.320 | 31608 | 25288 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.139 | 7.758 | 6527422 | 2488845 | 1.875 | 0.635 # |
| 26) 2,4'-DDE | 7.209 | 7.991 | 2850192 | 3649633 | 1.191 | 1.490 # |
| 27) trans-Non... | 7.405 | 8.060 | 4058426 | 4984898 | 0.898 | 1.276 # |
| 28) 2,4'-DDD | 7.587 | 8.362 | 10746422 | 8197389 | 5.553 | 3.944 # |
| 29) 2,4'-DDT | 7.769 | 8.588 | 18083079 | 9952552 | 9.719 | 5.183 # |
| 30) cis-Nonac... | 7.857 | 8.620 | 22554493 | 10797952 | 5.485 | 2.702 # |
| 31) Mirex | 8.515 | 9.501f | 35541888 | 6814632 | 14.261 | 2.763 # |
| 32) Chlordane... | 7.288 | 7.991 | 3925074 | 3649633 | 9.502 | 8.426 |
| 33) Chlordane... | 7.405 | 8.075 | 4058426 | 4815998 | 7.888 | 13.200 # |
| 34) Chlordane... | 7.919f | 8.773 | 15397958 | 52877394 | 119.108 | 443.323 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.376 | 8.323 | 7997162 | 15837804 | 498.012 | 482.657 |
| 37) Toxaphene... | 7.669 | 8.671 | 15296757 | 20803186 | 484.358 | 488.513 |
| 38) Toxaphene... | 7.980 | 8.704 | 35720189 | 30150729 | 492.378 | 477.171 |
| 39) Toxaphene... | 8.221 | 8.773 | 32159395 | 52877394 | 502.558 | 528.820 |
| 40) Toxaphene... | 8.449 | 8.951 | 25484963 | 28463697 | 489.303 | 484.771 |
| 41) Toxaphene... | 8.515 | 9.330 | 35541888 | 30904377 | 481.621 | 481.034 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:29
Operator : MJB
Sample : 0F06008-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:29 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 1:45
 Operator : MJB
 Sample : 0F06008-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:04:39 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

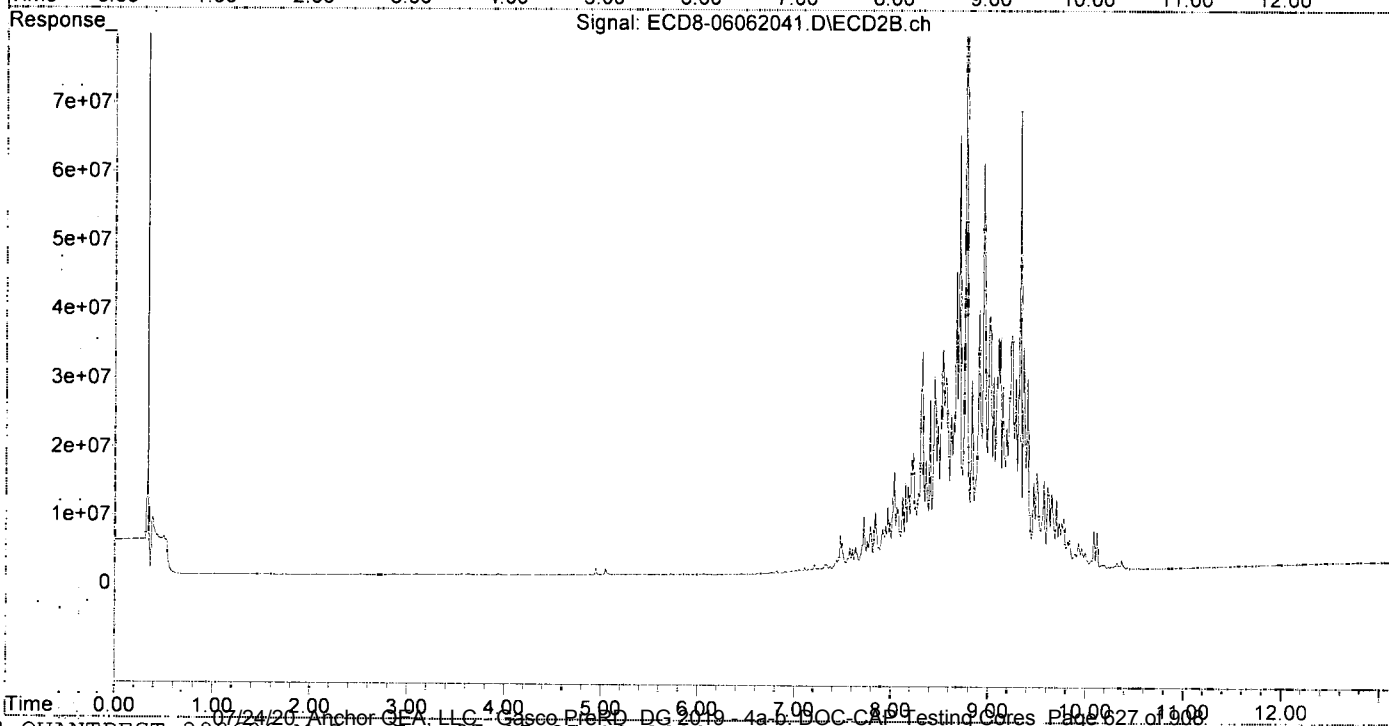
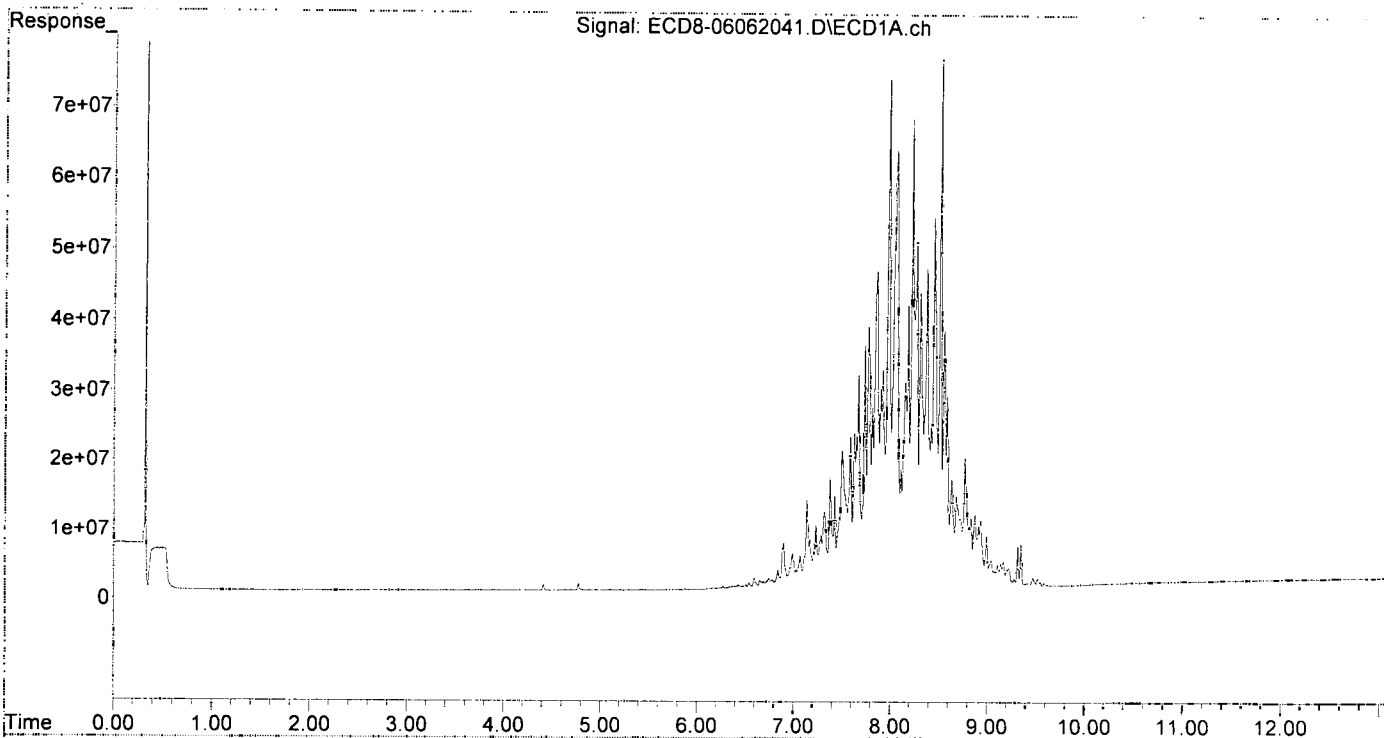
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|---------|----------|----------|----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.255 | 5.843 | 14075 | 25086 | 0.004 | 0.007 # |
| 22) S DCBP (S) | 9.473 | 10.371f | 1242302 | 1413887 | 0.226 | 0.422 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.810 | 6.454 | 137798 | 134666 | 0.028 | 0.028 |
| 3) g-BHC | 6.082 | 6.764 | 79929 | 257772 | 0.019 | 0.060 # |
| 4) b-BHC | 6.174 | 6.842 | 195137 | 177521 | 0.108 | 0.097 |
| 5) Heptachlor | 6.507 | 7.144 | 675470 | 675075 | 0.171 | 0.159 |
| 6) d-BHC | 6.305 | 7.085 | 245553 | 451857 | 0.105 | 0.157 # |
| 7) Aldrin | 6.746 | 7.436f | 1583423 | 2002995 | 0.367 | 0.499 # |
| 8) Heptachlo... | 7.208 | 7.838 | 5391414 | 8843468 | 1.364 | 2.349 # |
| 9) trans-Chl... | 7.286 | 7.990 | 7703627 | 7389133 | 1.915 | 1.935 |
| 10) cis-Chlor... | 7.376f | 8.075f | 15918869 | 9389361 | 4.178 | 2.520 # |
| 11) Endosulfa... | 7.501 | 8.149 | 19913280 | 13024729 | 5.410 | 3.840 # |
| 12) 4,4'-DDE | 7.473 | 8.213 | 10377575 | 16573650 | 2.831 | 4.979 # |
| 13) Dieldrin | 7.669 | 8.361 | 30835026 | 16423449 | 7.639 | 4.260 # |
| 14) Endrin | 7.812 | 8.563 | 26090454 | 28491953 | 7.731 | 9.637 |
| 15) 4,4'-DDD | 7.898 | 8.619 | 28681134 | 22714256 | 10.052 | 8.509 |
| 16) Endosulfa... | 7.980 | 8.705 | 72576238 | 63344254 | 23.852 | 20.948 |
| 17) 4,4'-DDT | 8.058f | 8.832 | 62366210 | 27797963 | 26.269 | 10.912 # |
| 18) Endrin Al... | 8.268 | 8.951 | 49429615 | 58948018 | 17.824 | 20.374 |
| 19) Endosulfa... | 8.586 | 9.149 | 27571531 | 26600519 | 9.336 | 8.971 |
| 20) Methoxychlor | 8.419 | 9.330 | 23225383 | 66625407 | 21.214 | 50.868 # |
| 21) Endrin Ke... | 8.769 | 9.575f | 18642133 | 13172367 | 5.227 | 3.922 |
| 23) Hexachlor... | 0.000 | 3.557f | 0 | 145820 | N.D. | BelowCal |
| 24) Hexachlor... | 5.653 | 6.305 | 17059 | 48401 | BelowCal | BelowCal |
| 25) Oxychlordan | 7.137 | 7.758 | 12965478 | 4695036 | 3.914 | 1.389 # |
| 26) 2,4'-DDE | 7.208 | 7.990 | 5391414 | 7389133 | 2.253 | 3.266 # |
| 27) trans-Non... | 7.376 | 8.060 | 15918869 | 9714152 | 4.357 | 2.727 # |
| 28) 2,4'-DDD | 7.586 | 8.361 | 22009343 | 16423449 | 11.528 | 7.902 # |
| 29) 2,4'-DDT | 7.769 | 8.563 | 37596387 | 28491953 | 20.159 | 14.876 # |
| 30) cis-Nonac... | 7.857 | 8.619 | 45449502 | 22714256 | 11.053 | 5.683 # |
| 31) Mirex | 8.515 | 9.501f | 75158985 | 14315496 | 30.458 | 6.110 # |
| 32) Chlordane... | 7.286 | 7.990 | 7703627 | 7389133 | 18.650 | 17.059 |
| 33) Chlordane... | 7.376f | 8.075 | 15918869 | 9389361 | 30.940 | 25.735 |
| 34) Chlordane... | 7.919f | 8.773 | 31598839 | 108.7E6 | 244.426 | 911.080 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.376 | 8.322 | 15918869 | 32082992 | 985.028 | 977.729 |
| 37) Toxaphene... | 7.669 | 8.671 | 30835026 | 43558867 | 982.950 | 1022.875 |
| 38) Toxaphene... | 7.980 | 8.705 | 72576238 | 63344254 | 1000.413 | 1002.498 |
| 39) Toxaphene... | 8.221 | 8.773 | 66825708 | 108.7E6 | 1017.785 | 1034.934 |
| 40) Toxaphene... | 8.448 | 8.951 | 52844619 | 58948018 | 1014.600 | 1003.956 |
| 41) Toxaphene... | 8.515 | 9.330 | 75158985 | 66625407 | 1018.464 | 1037.040 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:45
Operator : MJB
Sample : 0F06008-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:39 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
 Data File : ECD8-06062042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 2:02
 Operator : MJB
 Sample : 0F06008-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 15:04:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 14:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

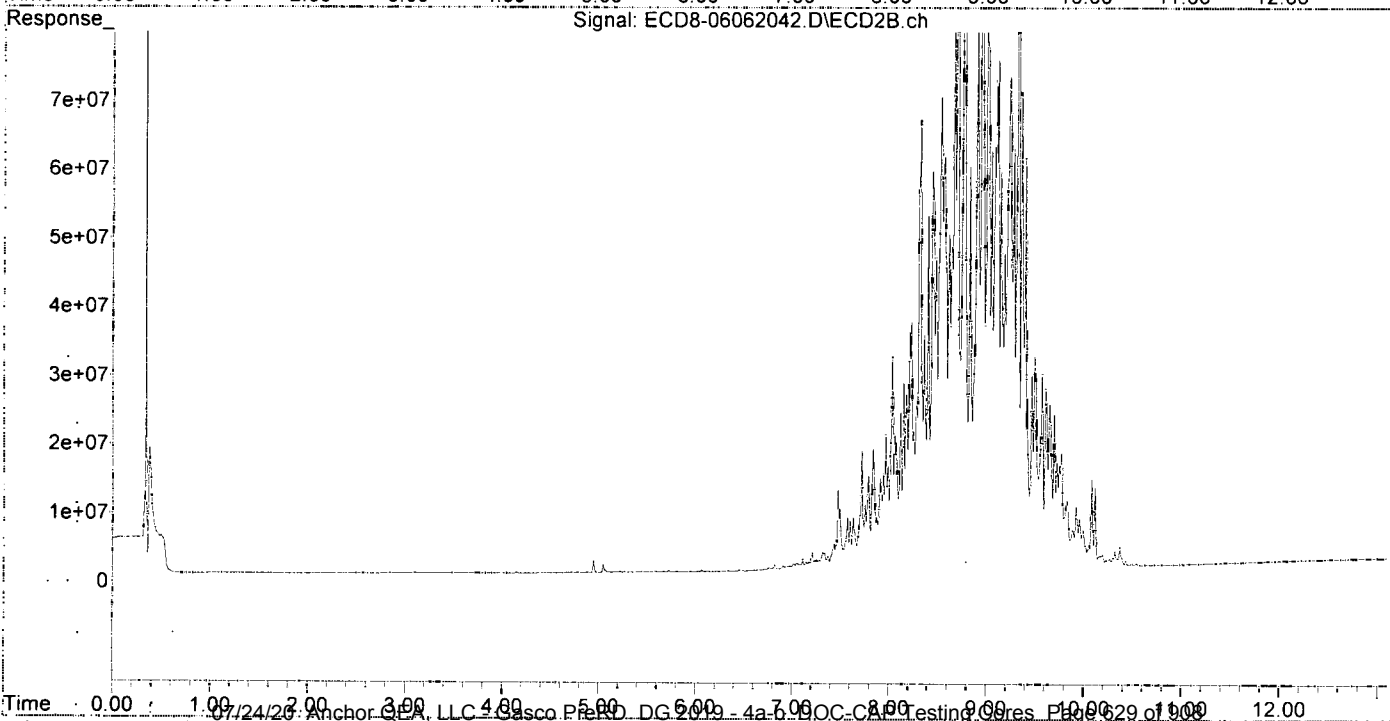
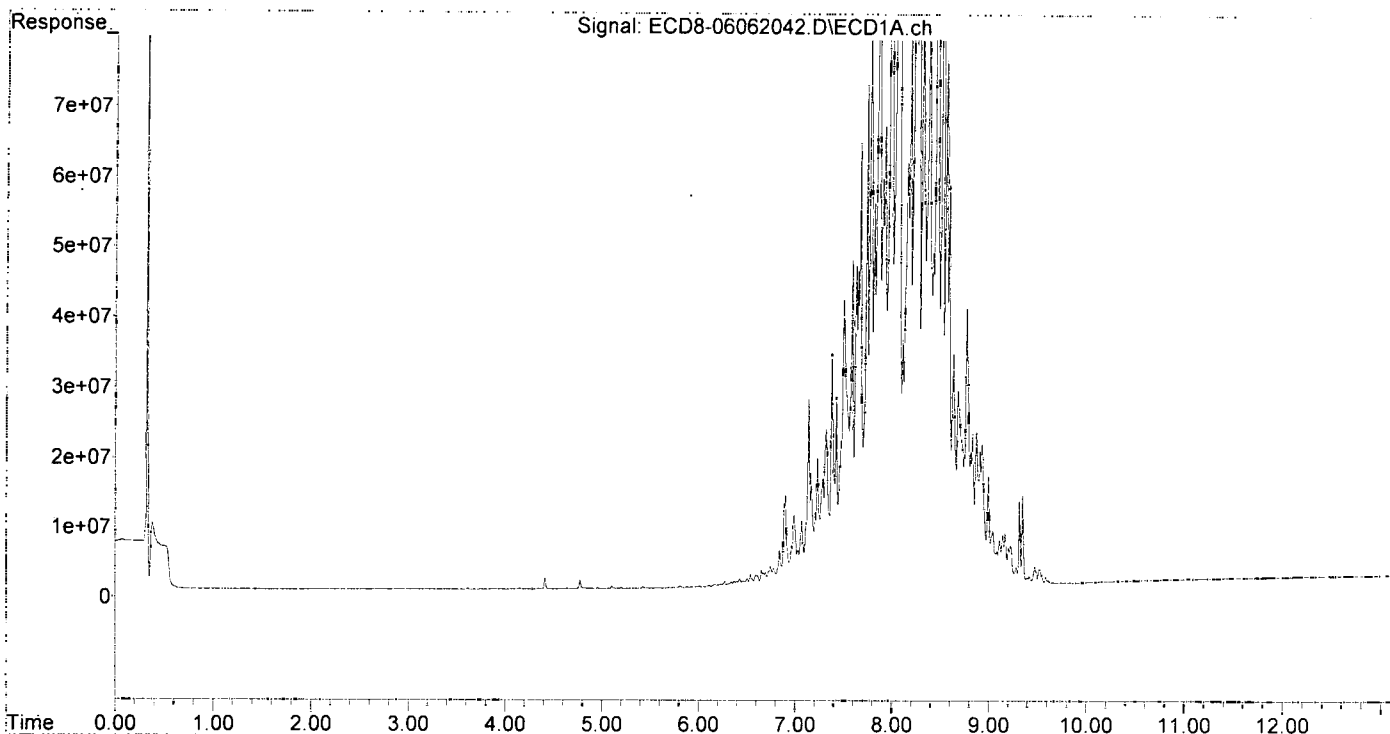
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|---------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.257 | 5.858 | 24749 | 55546 | 0.007 | 0.016 # |
| 22) S DCBP (S) | 9.474 | 10.371f | 2529781 | 2894048 | 0.682 | 1.072 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.453 | 289035 | 276992 | 0.059 | 0.058 |
| 3) g-BHC | 6.082 | 6.762 | 210192 | 516915 | 0.049 | 0.121 # |
| 4) b-BHC | 6.169 | 6.841 | 425036 | 371565 | 0.236 | 0.203 |
| 5) Heptachlor | 6.506 | 7.144 | 1285598 | 1314452 | 0.325 | 0.310 |
| 6) d-BHC | 6.306 | 7.090 | 528697 | 853595 | 0.188 | 0.265 # |
| 7) Aldrin | 6.744 | 7.436f | 3023887 | 3893714 | 0.701 | 0.971 # |
| 8) Heptachlo... | 7.208 | 7.839 | 10787929 | 17485494 | 2.730 | 4.645 # |
| 9) trans-Chl... | 7.286 | 7.990 | 15567565 | 15020555 | 3.869 | 3.934 |
| 10) cis-Chlor... | 7.375f | 8.075 | 33243746 | 18603675 | 8.922 | 4.993 # |
| 11) Endosulfa... | 7.499 | 8.150 | 40925007 | 26905756 | 11.118 | 7.932 # |
| 12) 4,4'-DDE | 7.471 | 8.213 | 20962140 | 34255391 | 5.719 | 10.193 # |
| 13) Dieldrin | 7.668 | 8.362 | 63292655 | 33802939 | 15.680 | 8.768 # |
| 14) Endrin | 7.812 | 8.569 | 54692913 | 59767968 | 16.207 | 20.217 |
| 15) 4,4'-DDD | 7.896 | 8.618 | 58268335 | 48397863 | 20.422 | 17.823 |
| 16) Endosulfa... | 7.979 | 8.728 | 146.3E6 | 31512998 | 48.089 | 10.421 # |
| 17) 4,4'-DDT | 8.062f | 8.831 | 128.1E6 | 58129729 | 51.778 | 22.328 # |
| 18) Endrin Al... | 8.268 | 8.951 | 100.0E6 | 127.5E6 | 35.984 | 44.080 |
| 19) Endosulfa... | 8.585 | 9.149 | 57090129 | 57101615 | 19.331 | 19.258 |
| 20) Methoxychlor | 8.419 | 9.330 | 47592696 | 139.9E6 | 42.189 | 99.295 # |
| 21) Endrin Ke... | 8.768 | 9.575f | 39535315 | 27847636 | 11.085 | 8.291 # |
| 23) Hexachlor... | 0.000 | 3.560f | 0 | 18758 | N.D. | BelowCal |
| 24) Hexachlor... | 5.646 | 6.302 | 27900 | 112954 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.137 | 7.789 | 26817557 | 13651801 | 8.291 | 4.440 # |
| 26) 2,4'-DDE | 7.208 | 7.990 | 10787929 | 15020555 | 4.507 | 6.864 # |
| 27) trans-Non... | 7.375 | 8.060 | 33243746 | 19731864 | 9.391 | 5.790 # |
| 28) 2,4'-DDD | 7.586 | 8.362 | 46623717 | 33802939 | 24.392 | 16.264 # |
| 29) 2,4'-DDT | 7.768 | 8.569 | 78379903 | 59767968 | 41.252 | 30.489 # |
| 30) cis-Nonac... | 7.856 | 8.618 | 93791662 | 48397863 | 22.810 | 12.109 # |
| 31) Mirex | 8.515 | 9.500f | 156.1E6 | 30461769 | 63.361 | 13.282 # |
| 32) Chlordane... | 7.286 | 7.990 | 15567565 | 15020555 | 37.688 | 34.678 |
| 33) Chlordane... | 7.375f | 8.075 | 33243746 | 18603675 | 64.613 | 50.991 |
| 34) Chlordane... | 7.918f | 8.773 | 65851149 | 226.7E6 | 509.378 | 1900.672 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.375 | 8.322 | 33243746 | 65111902 | 2016.826 | 1984.284 |
| 37) Toxaphene... | 7.668 | 8.671 | 63292655 | 91375711 | 2033.812 | 2145.738 |
| 38) Toxaphene... | 7.979 | 8.704 | 146.3E6 | 134.7E6 | 2016.992 | 2132.261 |
| 39) Toxaphene... | 8.222 | 8.773 | 138.0E6 | 226.7E6 | 1983.282 | 1952.349 |
| 40) Toxaphene... | 8.448 | 8.951 | 109.1E6 | 127.5E6 | 2094.877 | 2172.103 |
| 41) Toxaphene... | 8.515 | 9.330 | 156.1E6 | 139.9E6 | 2115.480 | 2177.981 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:02
Operator : MJB
Sample : 0F06008-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Sequence Name: C:\msdchem\1\sequence\0F06008.s

Comment: Pesticides

Operator: MJB

Data Path: C:\MSDCHEM\1\DATA\2020-06\0F06008\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

| | |
|------------------------|--------------------------------|
| Method Sections To Run | Sequence Barcode Options |
| (X) Full Method | (X) On Mismatch, Inject Anyway |
| (.) Reprocessing Only | () On Mismatch, Don't Inject |
| | () Barcode Disabled |

| | |
|-------|-----------------------|
| Line: | Sample Name/Misc Info |
|-------|-----------------------|

- | | | |
|------------|----|---------------------|
| 1) Sample | 1 | Hexane |
| Datafile | | ECD8-06062001 |
| Method | | ECD8_AQUPEST_190925 |
| 2) Sample | 1 | Hexane |
| Datafile | | ECD8-06062002 |
| Method | | ECD8_AQUPEST_190925 |
| 3) Sample | 2 | 0F06008-BKD1 |
| Datafile | | ECD8-06062003 |
| Method | | ECD8_AQUPEST_190925 |
| 4) Sample | 3 | 0F06008-ICB1 |
| Datafile | | ECD8-06062004 |
| Method | | ECD8_AQUPEST_190925 |
| 5) Sample | 4 | 0F06008-CAL1 |
| Datafile | | ECD8-06062005 |
| Method | | ECD8_AQUPEST_190925 |
| 6) Sample | 5 | 0F06008-CAL2 |
| Datafile | | ECD8-06062006 |
| Method | | ECD8_AQUPEST_190925 |
| 7) Sample | 6 | 0F06008-CAL3 |
| Datafile | | ECD8-06062007 |
| Method | | ECD8_AQUPEST_190925 |
| 8) Sample | 7 | 0F06008-CAL4 |
| Datafile | | ECD8-06062008 |
| Method | | ECD8_AQUPEST_190925 |
| 9) Sample | 8 | 0F06008-CAL5 |
| Datafile | | ECD8-06062009 |
| Method | | ECD8_AQUPEST_190925 |
| 10) Sample | 9 | 0F06008-CAL6 |
| Datafile | | ECD8-06062010 |
| Method | | ECD8_AQUPEST_190925 |
| 11) Sample | 10 | 0F06008-CAL7 |
| Datafile | | ECD8-06062011 |
| Method | | ECD8_AQUPEST_190925 |
| 12) Sample | 11 | 0F06008-CAL8 |
| Datafile | | ECD8-06062012 |
| Method | | ECD8_AQUPEST_190925 |
| 13) Sample | 12 | 0F06008-CAL9 |
| Datafile | | ECD8-06062013 |
| Method | | ECD8_AQUPEST_190925 |
| 14) Sample | 1 | 0F06008-IBL1 |
| Datafile | | ECD8-06062014 |
| Method | | ECD8_AQUPEST_190925 |
| 15) Sample | 13 | 0F06008-ICV1 |
| Datafile | | ECD8-06062015 |
| Method | | ECD8_AQUPEST_190925 |
| 16) Sample | 14 | 0F06008-CALA |
| Datafile | | ECD8-06062016 |
| Method | | ECD8_AQUPEST_190925 |
| 17) Sample | 15 | 0F06008-CALB |
| Datafile | | ECD8-06062017 |
| Method | | ECD8_AQUPEST_190925 |
| 18) Sample | 16 | 0F06008-CALC |
| Datafile | | ECD8-06062018 |
| Method | | ECD8_AQUPEST_190925 |
| 19) Sample | 17 | 0F06008-CALD |
| Datafile | | ECD8-06062019 |
| Method | | ECD8_AQUPEST_190925 |
| 20) Sample | 18 | 0F06008-CALE |

MJB
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| | | | |
|-----|----------|----|---|
| | Datafile | | ECD8-06062020 |
| | Method | | ECD8_AQUPEST_190925 |
| 21) | Sample | 19 | 0F06008-CALF |
| | Datafile | | ECD8-06062021 |
| | Method | | ECD8_AQUPEST_190925 |
| 22) | Sample | 20 | 0F06008-CALG |
| | Datafile | | ECD8-06062022 |
| | Method | | ECD8_AQUPEST_190925 |
| 23) | Sample | 21 | 0F06008-CALH |
| | Datafile | | ECD8-06062023 |
| | Method | | ECD8_AQUPEST_190925 |
| 24) | Sample | 22 | 0F06008-CALI |
| | Datafile | | ECD8-06062024 |
| | Method | | ECD8_AQUPEST_190925 |
| 25) | Sample | 1 | 0F06008-IBL2 |
| | Datafile | | ECD8-06062025 |
| | Method | | ECD8_AQUPEST_190925 |
| 26) | Sample | 23 | 0F06008-ICV2 |
| | Datafile | | ECD8-06062026 |
| | Method | | ECD8_AQUPEST_190925 |
| 27) | Sample | 24 | 0F06008-CALJ |
| | Datafile | | ECD8-06062027 |
| | Method | | ECD8_AQUPEST_190925 |
| 28) | Sample | 25 | 0F06008-CALK |
| | Datafile | | ECD8-06062028 |
| | Method | | ECD8_AQUPEST_190925 |
| 29) | Sample | 26 | 0F06008-CALL |
| | Datafile | | ECD8-06062029 |
| | Method | | ECD8_AQUPEST_190925 |
| 30) | Sample | 27 | 0F06008-CALM |
| | Datafile | | ECD8-06062030 |
| | Method | | ECD8_AQUPEST_190925 |
| 31) | Sample | 28 | 0F06008-CALN |
| | Datafile | | ECD8-06062031 |
| | Method | | ECD8_AQUPEST_190925 |
| 32) | Sample | 29 | 0F06008-CALO |
| | Datafile | | ECD8-06062032 |
| | Method | | ECD8_AQUPEST_190925 |
| 33) | Sample | 30 | 0F06008-CALP |
| | Datafile | | ECD8-06062033 |
| | Method | | ECD8_AQUPEST_190925 |
| 34) | Sample | 1 | 0F06008-IBL3 |
| | Datafile | | ECD8-06062034 |
| | Method | | ECD8_AQUPEST_190925 |
| 35) | Sample | 31 | 0F06008-ICV3 |
| | Datafile | | ECD8-06062035 |
| | Method | | ECD8_AQUPEST_190925 |
| 36) | Sample | 32 | 0F06008-CALQ |
| | Datafile | | ECD8-06062036 |
| | Method | | ECD8_AQUPEST_190925 |
| 37) | Sample | 33 | 0F06008-CALR |
| | Datafile | | ECD8-06062037 |
| | Method | | ECD8_AQUPEST_190925 |
| 38) | Sample | 34 | 0F06008-CALS |
| | Datafile | | ECD8-06062038 |
| | Method | | ECD8_AQUPEST_190925 |
| 39) | Sample | 35 | 0F06008-CALT |
| | Datafile | | ECD8-06062039 |
| | Method | | ECD8_AQUPEST_190925 |
| 40) | Sample | 36 | 0F06008-CALU |
| | Datafile | | ECD8-06062040 |
| | Method | | ECD8_AQUPEST_190925 |
| 41) | Sample | 37 | 0F06008-CALV |
| | Datafile | | ECD8-06062041 |
| | Method | | ECD8_AQUPEST_190925 |
| 42) | Sample | 38 | 0F06008-CALW |
| | Datafile | | ECD8-06062042 |
| | Method | | ECD8_AQUPEST_190925 |
| 43) | Sample | 1 | 0F06008-IBL 29 ⁷⁹ |
| | Datafile | | ECD8-06062043 |
| | Method | | ECD8_AQUPEST_190925 |

M/15
6/1/20

Sequence Name: C:\msdchem\1\sequence\0F06008.s

| Line Type | Vial | DataFile | Method | Sample Name |
|------------|------|--------------------------|----------------|-------------|
| 44) Sample | 39 | 0F06008-ICV ⁴ | M ^B | |
| Datafile | | ECD8-06062044 | 6/7/20 | |
| Method | | ECD8_AQUPEST_190925 | | |

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0F06008 BKD1

Data File: ECD8-06062003.D

| First Column Area Counts | | Percent Breakdown | |
|--------------------------|------------|-------------------|------|
| DDE | 17663257 | | |
| DDD | 51840706 | | |
| DDT | 2413372474 | 2.80 | PASS |
| Endrin | 1622312114 | 9.45 | PASS |
| Endrin Aldehyde | 75526984 | | |
| Endrin Ketone | 93835850 | | |

| Second Column Area Counts | | Percent Breakdown | |
|---------------------------|------------|-------------------|------|
| DDE | 17662272 | | |
| DDD | 53171054 | | |
| DDT | 2656377544 | 2.60 | PASS |
| Endrin | 1404825220 | 10.35 | PASS |
| Endrin Aldehyde | 71143425 | | |
| Endrin Ketone | 91089375 | | |

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

WB
6/1/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062003.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 15:18
 Operator : MJB
 Sample : 0F06008-BKD1
 Misc : A20E203
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 06 15:33:36 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200606.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

| Compound | R.T. | Response | Conc | Units |
|--------------------------|-------|------------|-------|-------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) 4,4'-DDE | 7.467 | 17663257 | NoCal | ng/mL |
| 2) Endrin | 7.832 | 1622312114 | NoCal | ng/mL |
| 3) 4,4'-DDD | 7.886 | 51840706 | NoCal | ng/mL |
| 4) 4,4'-DDT | 8.084 | 2413372474 | NoCal | ng/mL |
| 5) Endrin Aldehyde | 8.280 | 75526984 | NoCal | ng/mL |
| 6) Endrin Ketone | 8.775 | 93835850 | NoCal | ng/mL |
| 8) 4,4'-DDE [2C] | 8.208 | 17662272 | NoCal | ng/mL |
| 9) Endrin [2C] | 8.572 | 1404825220 | NoCal | ng/mL |
| 10) 4,4'-DDD [2C] | 8.624 | 53171054 | NoCal | ng/mL |
| 11) Endrin Aldehyde [2C] | 8.959 | 71143425 | NoCal | ng/mL |
| 12) 4,4'-DDT [2C] | 8.850 | 2656377544 | NoCal | ng/mL |
| 13) Endrin Ketone [2C] | 9.550 | 91089375 | NoCal | ng/mL |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

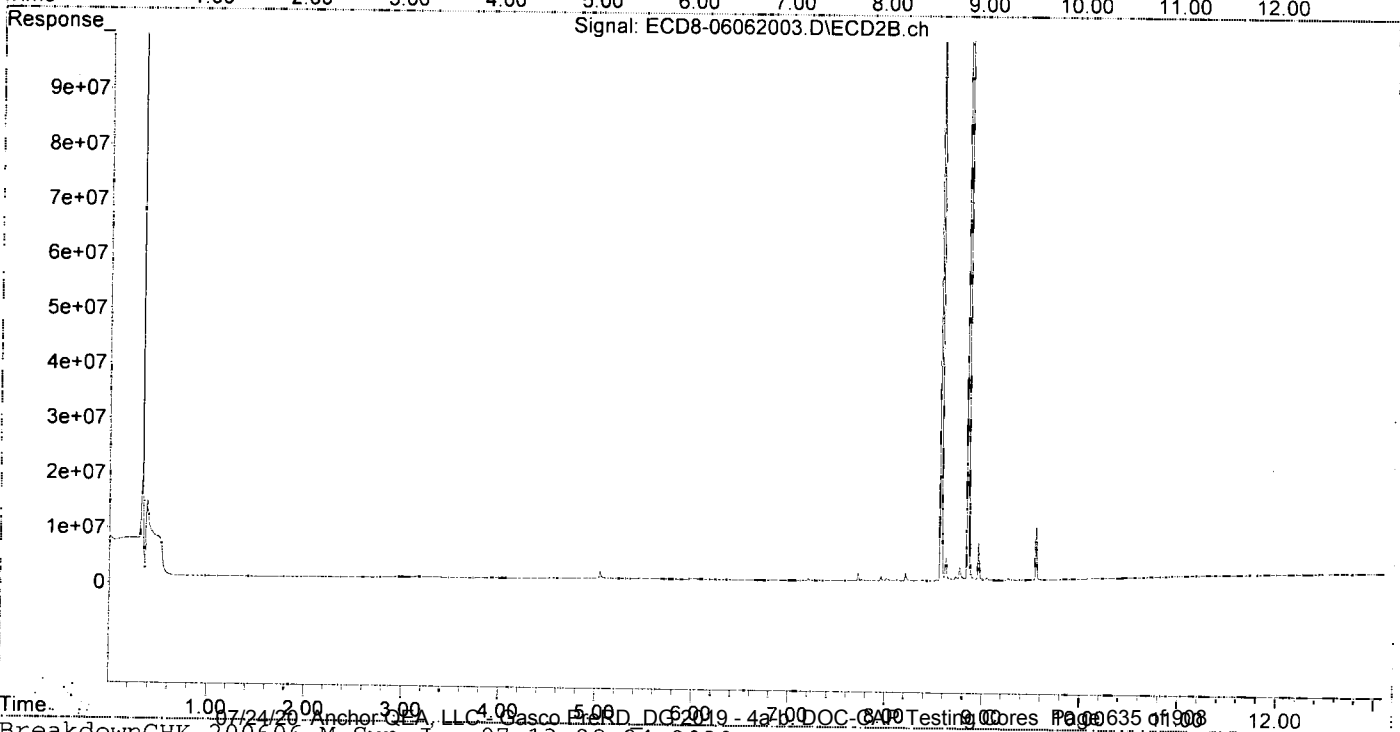
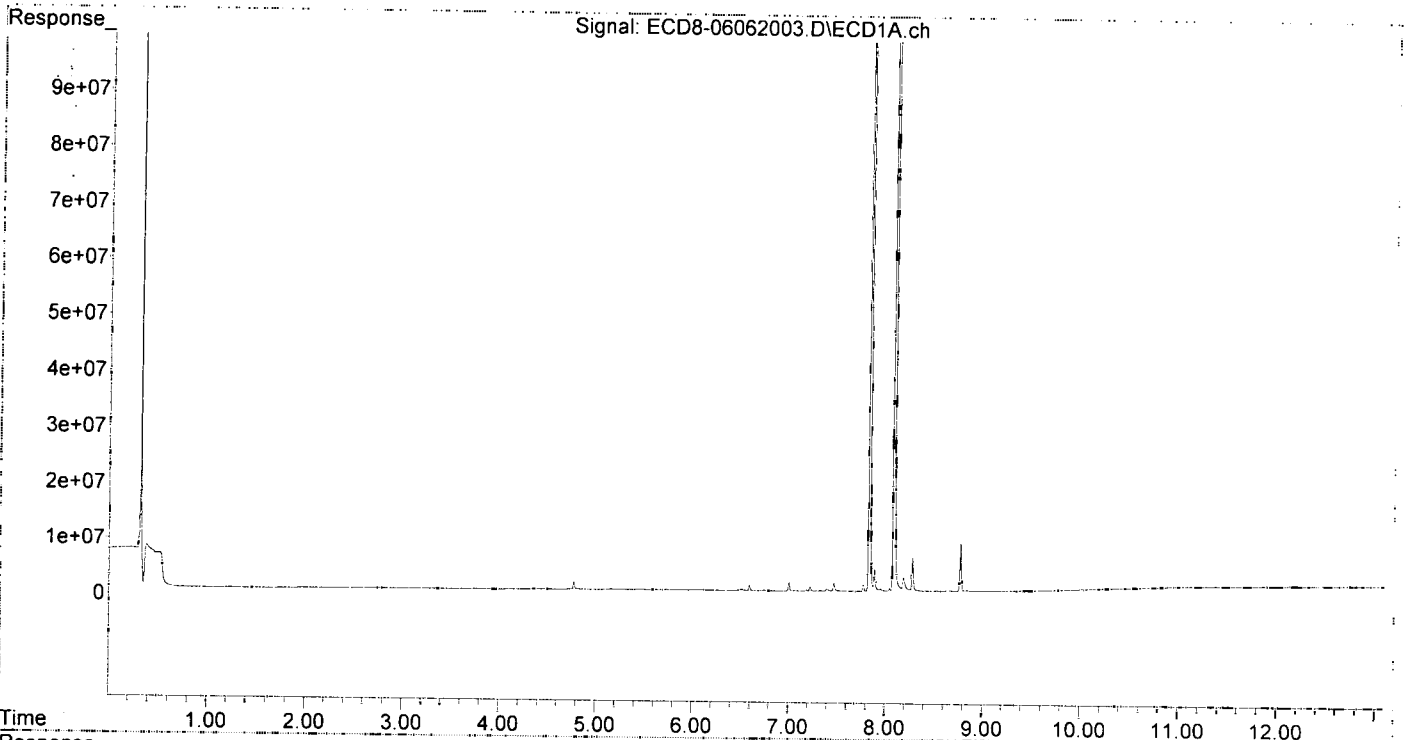
(m)=manual int.

MB
6/7/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:18
Operator : MJB
Sample : 0F06008-BKD1
Misc : A20E203
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 06 15:33:36 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200606.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 15:51
 Operator : MJB
 Sample : 0F06008-CAL1
 Misc : A20F080, AB 0.5 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:32:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:32:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

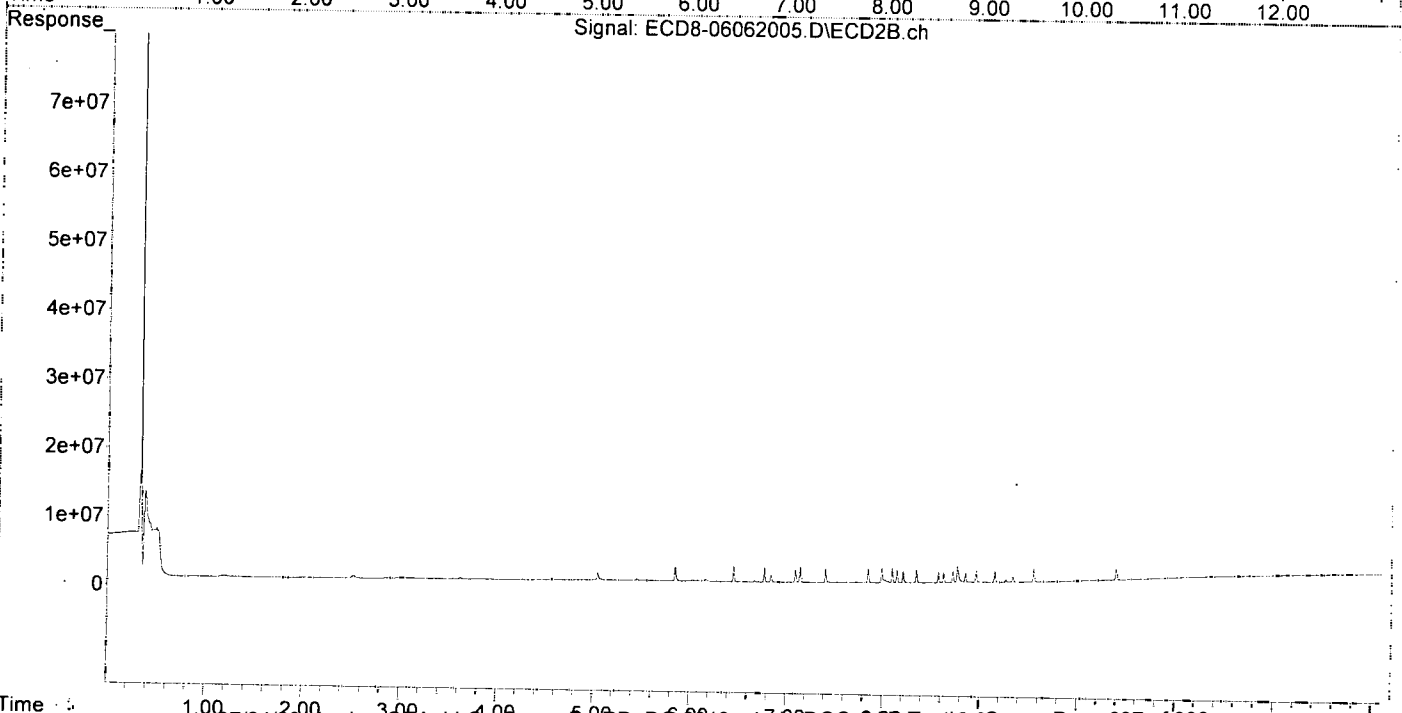
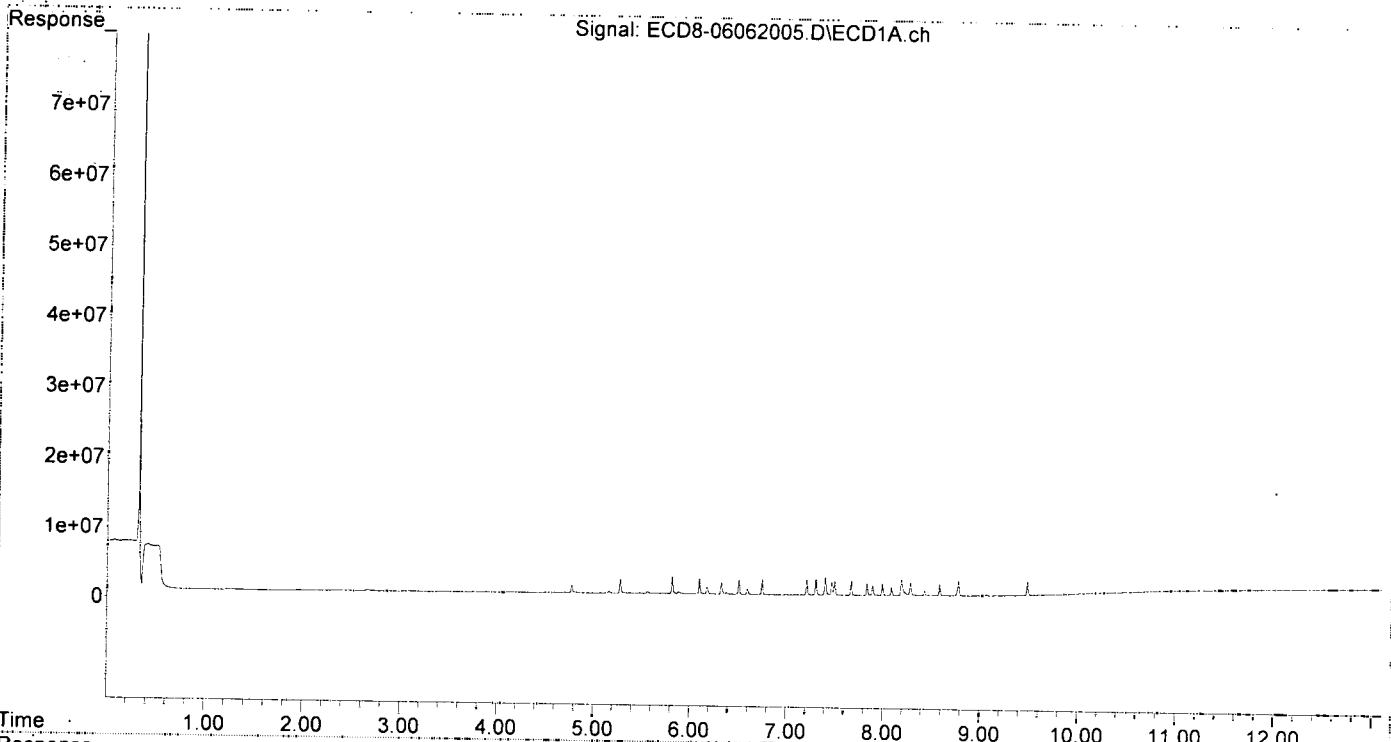
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|--------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.275 | 5.848 | 2044821 | 2041136 | 0.625 | 0.705 |
| 22) S DCBP (S) | 9.483 | 10.396 | 2013031 | 1600154 | 0.539 | 0.558 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.454 | 2436012 | 2268024 | 0.537 | 0.620 |
| 3) g-BHC | 6.095 | 6.772 | 2216617 | 2141693 | 0.558 | 0.577 |
| 4) b-BHC | 6.175 | 6.840 | 1029510 | 1069043 | 0.600 | 0.672 |
| 5) Heptachlor | 6.506 | 7.142 | 2089353 | 2287728 | 0.535 | 0.611 |
| 6) d-BHC | 6.323 | 7.093 | 1670301 | 1786163 | 0.585 | 0.629 |
| 7) Aldrin | 6.746 | 7.406 | 2216702 | 2023732 | 0.563 | 0.576 |
| 8) Heptachlo... | 7.207 | 7.847 | 2242901 | 2030251 | 0.630 | 0.639 |
| 9) trans-Chl... | 7.303 | 7.987 | 2326907 | 2136256 | 0.644 | 0.642 |
| 10) cis-Chlor... | 7.399 | 8.095 | 2588788 | 2156882 | 0.716 | 0.675 |
| 11) Endosulfa... | 7.496 | 8.144 | 2010361 | 1818776 | 0.604 | 0.604 |
| 12) 4,4'-DDE | 7.467 | 8.208 | 1831508 | 1713296 | 0.567 | 0.635 |
| 13) Dieldrin | 7.669 | 8.345 | 2088893 | 1940818 | 0.572 | 0.588 |
| 14) Endrin | 7.832 | 8.572 | 1730100 | 1544731 | 0.611 | 0.757 |
| 15) 4,4'-DDD | 7.888 | 8.625 | 1378674 | 1433465 | 0.592 | 0.616 |
| 16) Endosulfa... | 7.990 | 8.721 | 1690214 | 1615141 | 0.593 | 0.621 |
| 17) 4,4'-DDT | 8.084 | 8.851 | 1176997 | 1397421 | 0.572 | 0.623 |
| 18) Endrin Al... | 8.280 | 8.960 | 1879799 | 1718494 | 0.512 | 0.510 |
| 19) Endosulfa... | 8.581 | 9.151 | 1642508 | 1592318 | 0.620 | 0.667 |
| 20) Methoxychlor | 8.425 | 9.335 | 692268 | 797429 | 0.629 | 0.622 |
| 21) Endrin Ke... | 8.774 | 9.550 | 2113749 | 1919402 | 0.616 | 0.679 |
| 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 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:32:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 16:07
 Operator : MJB
 Sample : 0F06008-CAL2
 Misc : A20F081, AB 1 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:33:18 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:32:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

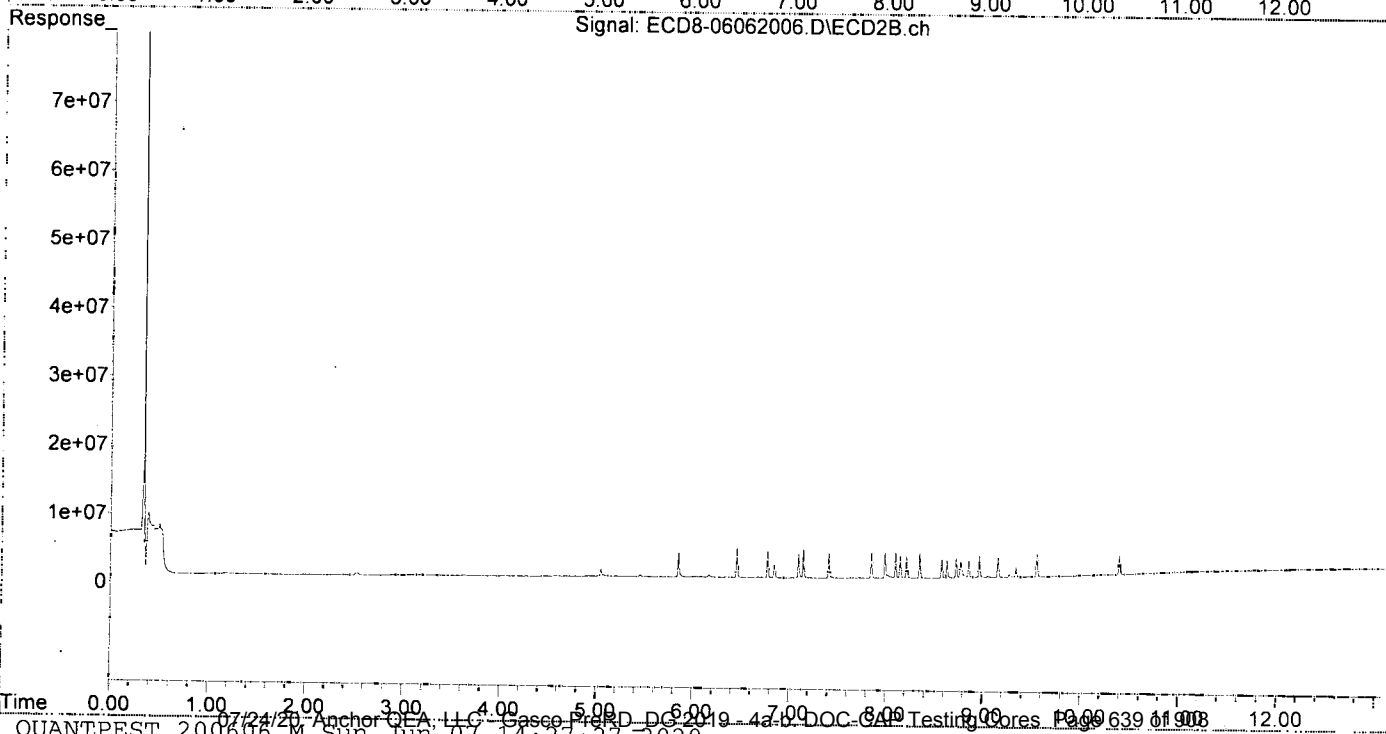
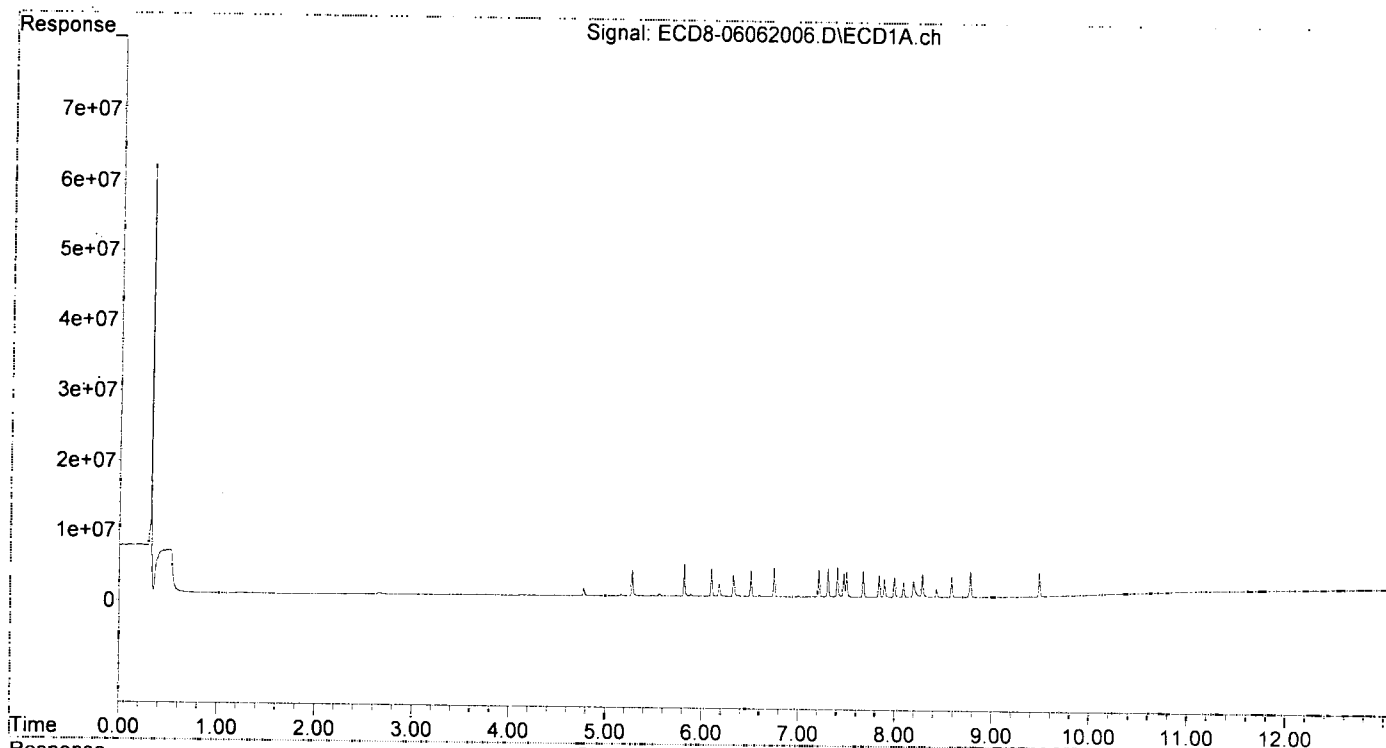
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.274 | 5.848 | 3739252 | 3664569 | 1.143 | 1.265 |
| 22) S DCBP (S) | 9.482 | 10.396 | 3476866 | 2732738 | 1.097 | 1.170 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.453 | 4659043 | 4299192 | 1.026 | 1.139 |
| 3) g-BHC | 6.095 | 6.772 | 4062836 | 3939884 | 1.023 | 1.061 |
| 4) b-BHC | 6.174 | 6.840 | 1828397 | 1906857 | 1.065 | 1.198 |
| 5) Heptachlor | 6.505 | 7.143 | 3783244 | 4131038 | 0.969 | 1.103 |
| 6) d-BHC | 6.322 | 7.093 | 3147880 | 3488504 | 1.022 | 1.188 |
| 7) Aldrin | 6.745 | 7.407 | 4211391 | 3671024 | 1.069 | 1.045 |
| 8) Heptachlo... | 7.207 | 7.847 | 3938014 | 3756308 | 1.106 | 1.182 |
| 9) trans-Chl... | 7.303 | 7.987 | 4057330 | 3714650 | 1.122 | 1.116 |
| 10) cis-Chlor... | 7.400 | 8.095 | 4334731 | 3732649 | 1.199 | 1.169 |
| 11) Endosulfa... | 7.496 | 8.144 | 3674308 | 3245203 | 1.103 | 1.078 |
| 12) 4,4'-DDE | 7.466 | 8.208 | 3469480 | 3125539 | 1.075 | 1.134 |
| 13) Dieldrin | 7.667 | 8.345 | 3834504 | 3631612 | 1.050 | 1.099 |
| 14) Endrin | 7.832 | 8.572 | 3239569 | 2729745 | 1.256 | 1.341 |
| 15) 4,4'-DDD | 7.887 | 8.625 | 2642114 | 2582156 | 1.107 | 1.116 |
| 16) Endosulfa... | 7.989 | 8.721 | 2878102 | 2841269 | 1.010 | 1.093 |
| 17) 4,4'-DDT | 8.084 | 8.851 | 2125504 | 2507300 | 1.011 | 1.162 |
| 18) Endrin Al... | 8.280 | 8.959 | 3347299 | 3154587 | 1.074 | 1.132 |
| 19) Endosulfa... | 8.581 | 9.151 | 3004760 | 2906383 | 1.135 | 1.217 |
| 20) Methoxychlor | 8.426 | 9.335 | 1188720 | 1407906 | 1.111 | 1.226 |
| 21) Endrin Ke... | 8.774 | 9.551 | 3683963 | 3294560 | 1.073 | 1.166 |
| 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 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:07
Operator : MJB
Sample : 0F06008-CAL2
Misc : A20F081, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:33:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 16:24
 Operator : MJB
 Sample : 0F06008-CAL3
 Misc : A20C178, AB 2 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:33:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:32:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*MJB
6/7/20*

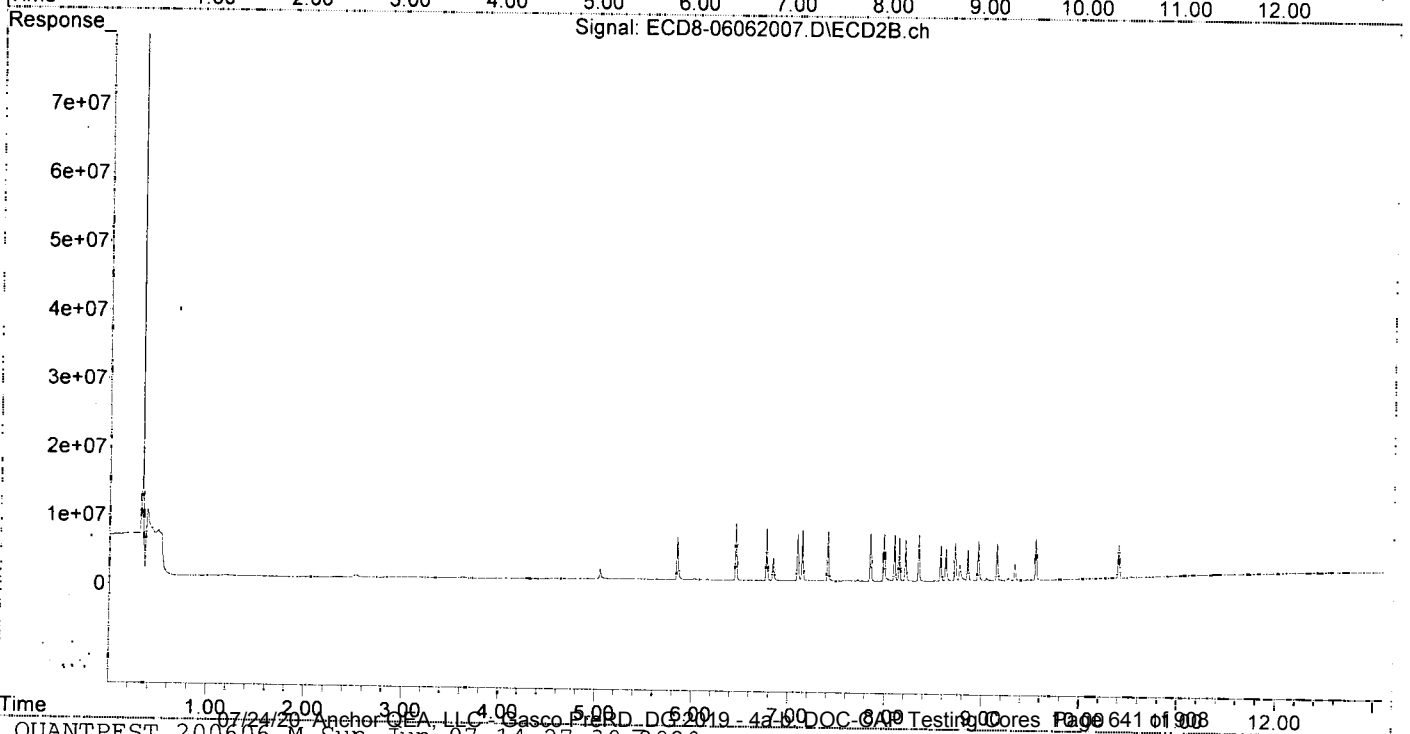
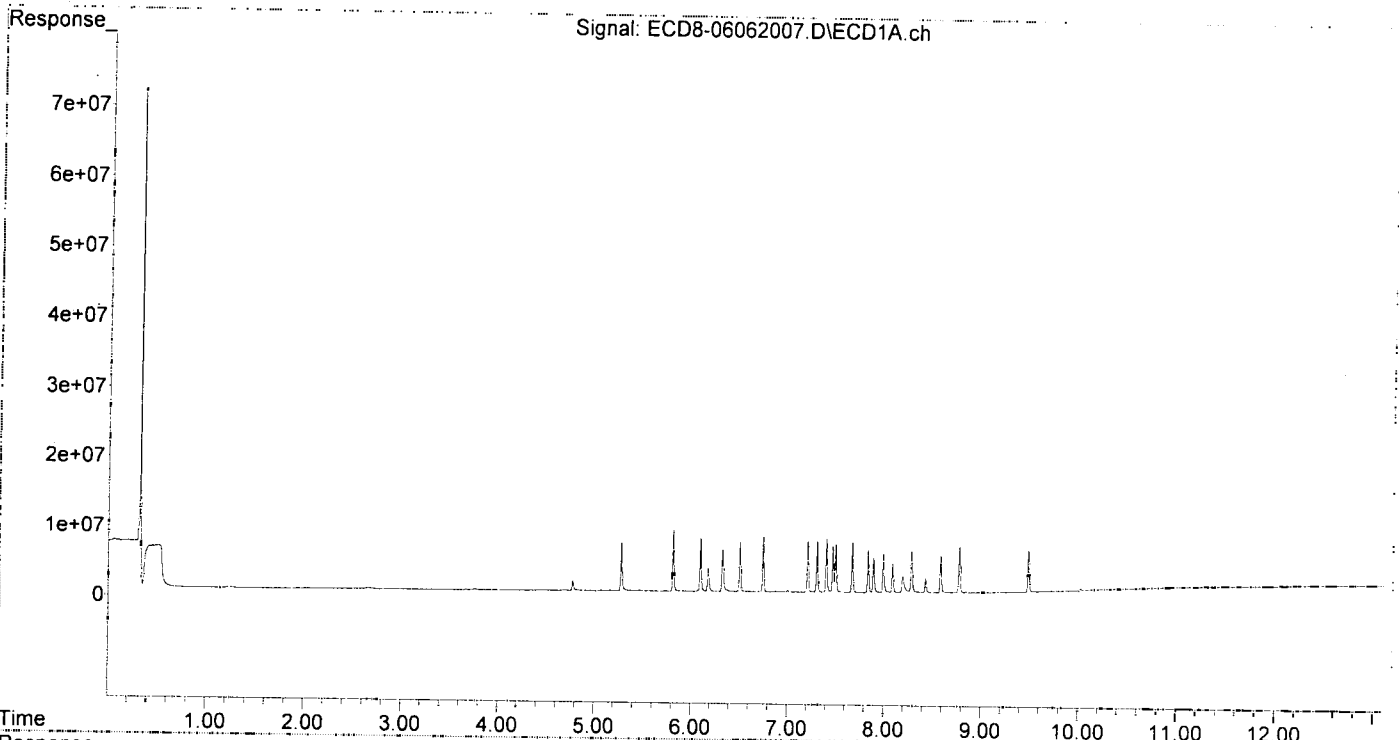
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|--------|---------|---------|--------|--------|
| System-Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.275 | 5.847 | 6945394 | 6272971 | 2.123 | 2.166 |
| 22) S DCBP (S) | 9.484 | 10.396 | 6074784 | 4898047 | 2.086 | 2.337 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.454 | 8934865 | 8409840 | 1.968 | 2.188 |
| 3) g-BHC | 6.095 | 6.772 | 7777680 | 7617064 | 1.959 | 2.052 |
| 4) b-BHC | 6.174 | 6.840 | 3383841 | 3359896 | 1.971 | 2.111 |
| 5) Heptachlor | 6.505 | 7.142 | 7189639 | 7559963 | 1.841 | 2.019 |
| 6) d-BHC | 6.322 | 7.094 | 6132156 | 6804587 | 1.901 | 2.275 |
| 7) Aldrin | 6.744 | 7.407 | 8035771 | 7256390 | 2.040 | 2.066 |
| 8) Heptachlo... | 7.207 | 7.847 | 7385357 | 6966527 | 2.075 | 2.192 |
| 9) trans-Chl... | 7.303 | 7.987 | 7502150 | 6968284 | 2.075 | 2.094 |
| 10) cis-Chlor... | 7.401 | 8.095 | 7787006 | 6943307 | 2.154 | 2.174 |
| 11) Endosulfa... | 7.496 | 8.144 | 6975798 | 6290523 | 2.095 | 2.090 |
| 12) 4,4'-DDE | 7.466 | 8.208 | 6724934 | 6040045 | 2.083 | 2.161 |
| 13) Dieldrin | 7.668 | 8.346 | 7333173 | 6890064 | 2.008 | 2.086 |
| 14) Endrin | 7.832 | 8.573 | 6205989 | 5322724 | 2.405 | 2.614 |
| 15) 4,4'-DDD | 7.887 | 8.626 | 5043957 | 4789098 | 2.085 | 2.072 |
| 16) Endosulfa... | 7.989 | 8.722 | 5561746 | 5513918 | 1.952 | 2.120 |
| 17) 4,4'-DDT | 8.084 | 8.851 | 4180058 | 4520922 | 1.961 | 2.136 |
| 18) Endrin Al... | 8.280 | 8.960 | 6075803 | 5717746 | 2.119 | 2.241 |
| 19) Endosulfa... | 8.582 | 9.151 | 5464489 | 5480703 | 2.064 | 2.295 |
| 20) Methoxychlor | 8.426 | 9.335 | 2083992 | 2395626 | 1.976 | 2.201 |
| 21) Endrin Ke... | 8.775 | 9.550 | 6682577 | 6009531 | 1.947 | 2.127 |
| 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 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:24
Operator : MJB
Sample : 0F06008-CAL3
Misc : A20C178, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:33:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 16:40
 Operator : MJB
 Sample : 0F06008-CAL4
 Misc : A20C179, AB 5 ppb
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:34:19 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:32:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

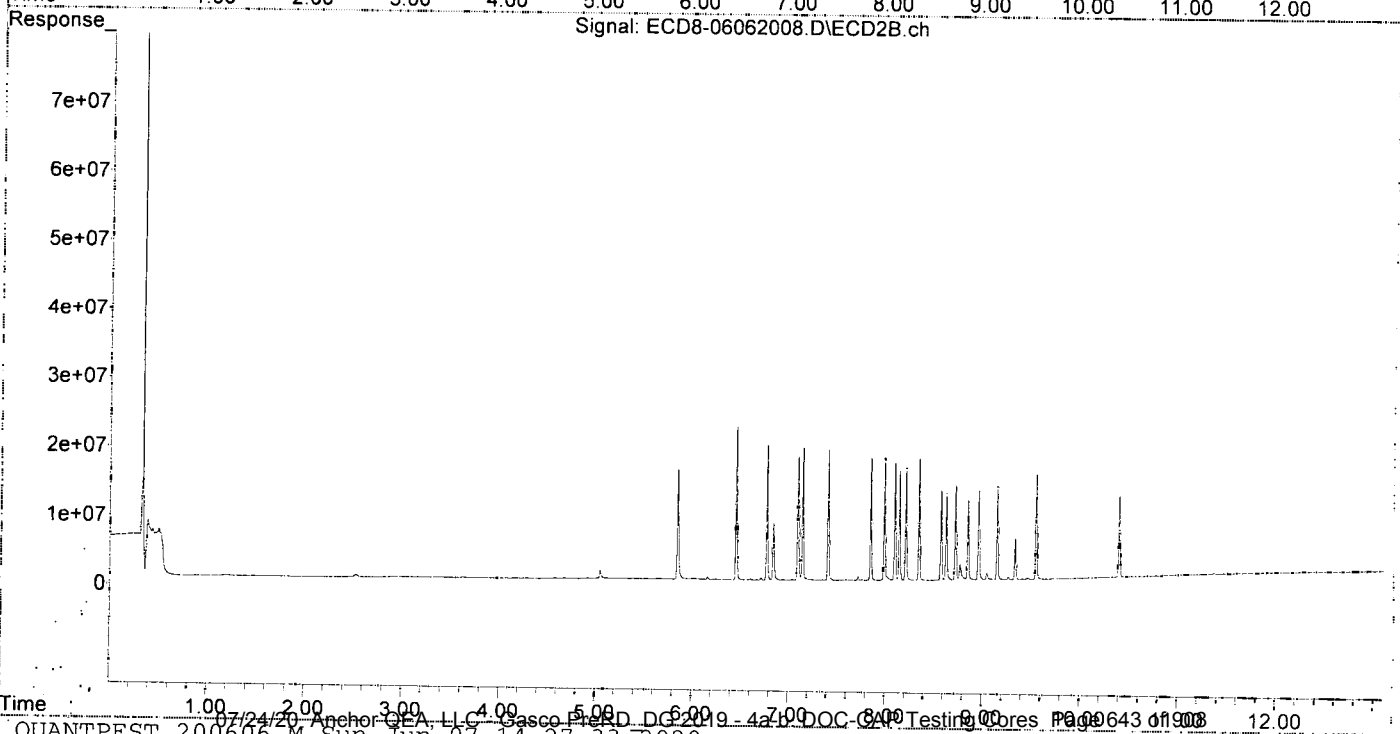
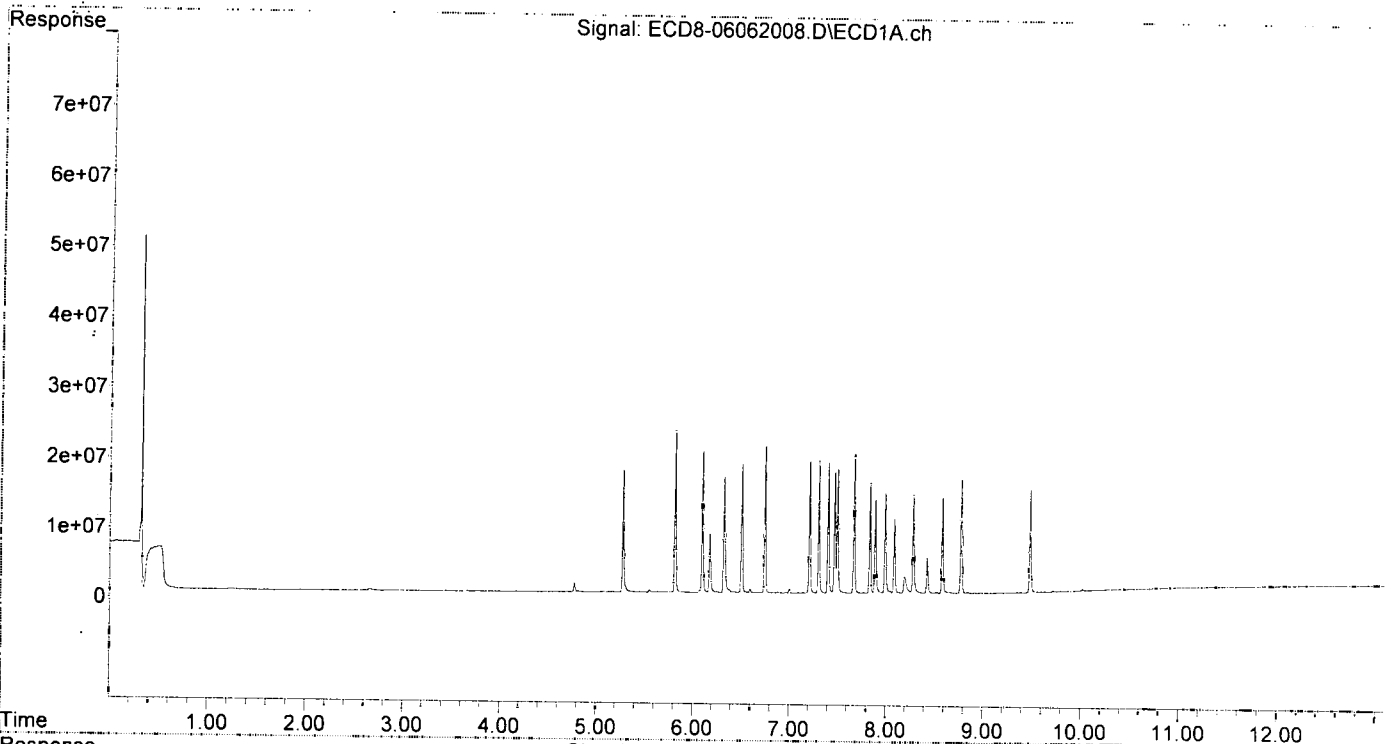
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|--------|----------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.275 | 5.847 | 17495230 | 15921287 | 5.347 | 5.498 |
| 22) S DCBP (S) | 9.482 | 10.396 | 14798076 | 11787774 | 5.402 | 6.035 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.454 | 23225137 | 22206764 | 5.117 | 5.683 |
| 3) g-BHC | 6.096 | 6.772 | 20386349 | 19587830 | 5.134 | 5.276 |
| 4) b-BHC | 6.174 | 6.839 | 8436819 | 8320126 | 4.915 | 5.226 |
| 5) Heptachlor | 6.505 | 7.143 | 18362337 | 19197024 | 4.701 | 5.126 |
| 6) d-BHC | 6.322 | 7.093 | 16669350 | 18089354 | 4.992 | 5.931 |
| 7) Aldrin | 6.745 | 7.407 | 21091004 | 18962649 | 5.354 | 5.398 |
| 8) Heptachlo... | 7.207 | 7.847 | 18818515 | 17690437 | 5.286 | 5.567 |
| 9) trans-Chl... | 7.303 | 7.987 | 18917580 | 17725122 | 5.233 | 5.326 |
| 10) cis-Chlor... | 7.400 | 8.095 | 18629592 | 17001909 | 5.154 | 5.323 |
| 11) Endosulfa... | 7.496 | 8.143 | 17772028 | 15814187 | 5.337 | 5.254 |
| 12) 4,4'-DDE | 7.466 | 8.208 | 17307228 | 16121059 | 5.360 | 5.684 |
| 13) Dieldrin | 7.668 | 8.345 | 19819324 | 17792473 | 5.427 | 5.386 |
| 14) Endrin | 7.832 | 8.572 | 15732638 | 13228080 | 6.098 | 6.456 |
| 15) 4,4'-DDD | 7.887 | 8.625 | 13513169 | 12540904 | 5.510 | 5.402 |
| 16) Endosulfa... | 7.989 | 8.721 | 14310412 | 13915949 | 5.023 | 5.351 |
| 17) 4,4'-DDT | 8.084 | 8.850 | 10621630 | 11640318 | 4.913 | 5.539 |
| 18) Endrin Al... | 8.280 | 8.960 | 14148113 | 12986736 | 5.208 | 5.371 |
| 19) Endosulfa... | 8.581 | 9.151 | 13776582 | 13495919 | 5.203 | 5.650 |
| 20) Methoxychlor | 8.425 | 9.335 | 5153462 | 5959726 | 4.922 | 5.683 |
| 21) Endrin Ke... | 8.774 | 9.551 | 16411692 | 15133071 | 4.781 | 5.357 |
| 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 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:40
Operator : MJB
Sample : 0F06008-CAL4
Misc : A20C179, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:34:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On: 6 Jun 2020 16:57
 Operator: MJB
 Sample: 0F06008-CAL5
 Misc : A20C180, AB 10 ppb
 ALS Vial: 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:34:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:32:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*MJB
6/7/20*

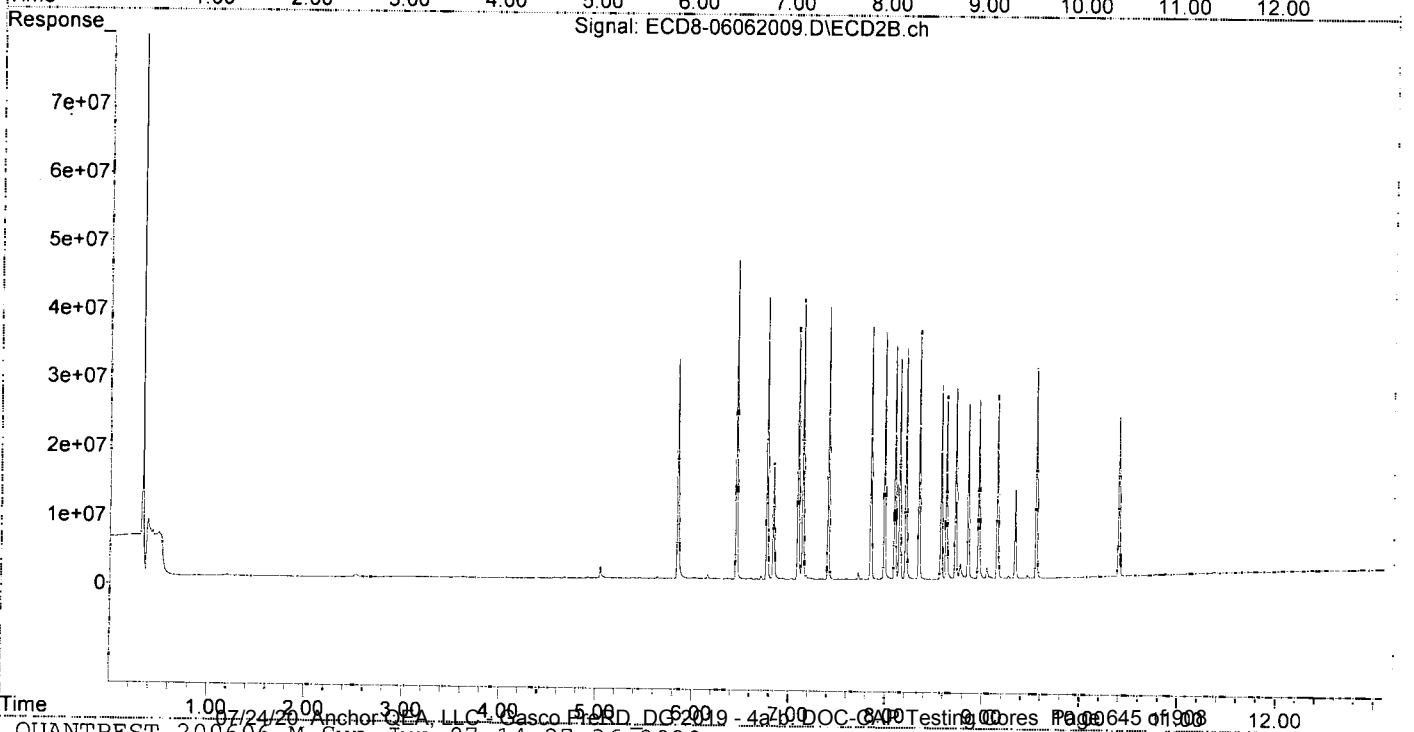
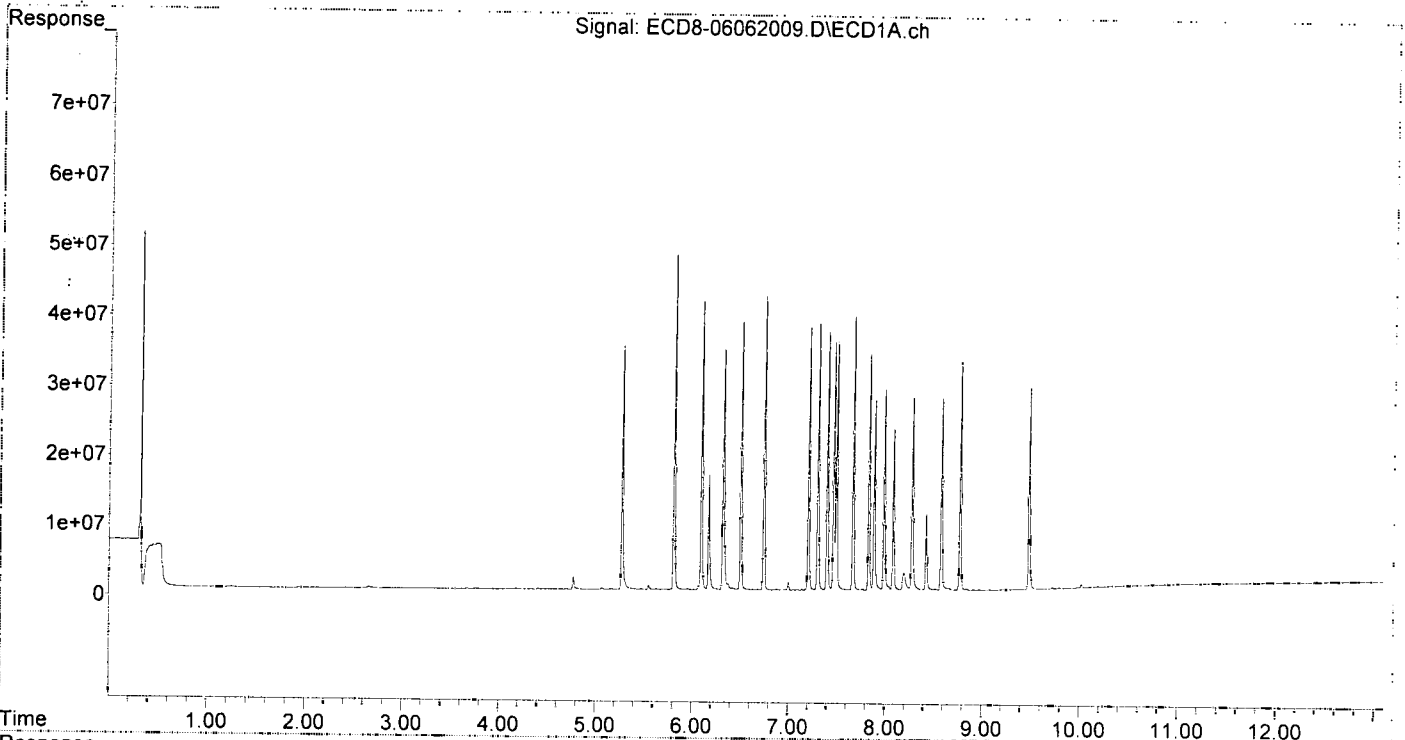
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|----------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.273 | 5.847 | 34986950 | 31872820 | 10.694 | 11.006 |
| 22) S DCBP (S) | 9.483 | 10.396 | 28954755 | 23132623 | 10.767 | 12.079 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.812 | 6.454 | 47943397 | 46280849 | 10.563 | 11.685 |
| 3) g-BHC | 6.094 | 6.771 | 41307256 | 41024069 | 10.403 | 11.050 |
| 4) b-BHC | 6.172 | 6.839 | 16563915 | 16779314 | 9.649 | 10.540 |
| 5) Heptachlor | 6.504 | 7.142 | 38643124 | 40579127 | 9.893 | 10.836 |
| 6) d-BHC | 6.320 | 7.092 | 34529136 | 36570640 | 10.179 | 11.790 |
| 7) Aldrin | 6.744 | 7.406 | 42114836 | 39449401 | 10.691 | 11.230 |
| 8) Heptachlo... | 7.205 | 7.847 | 37803310 | 36710294 | 10.619 | 11.552 |
| 9) trans-Chl... | 7.301 | 7.987 | 38218074 | 35657796 | 10.571 | 10.715 |
| 10) cis-Chlor... | 7.399 | 8.095 | 37114363 | 33781008 | 10.268 | 10.577 |
| 11) Endosulfa... | 7.494 | 8.144 | 35620792 | 31874483 | 10.698 | 10.589 |
| 12) 4,4'-DDE | 7.465 | 8.207 | 35702721 | 33337311 | 11.058 | 11.599 |
| 13) Dieldrin | 7.667 | 8.345 | 39283290 | 36020428 | 10.756 | 10.904 |
| 14) Endrin | 7.831 | 8.573 | 33821953 | 28095797 | 13.109 | 13.519 |
| 15) 4,4'-DDD | 7.886 | 8.625 | 27315515 | 26613943 | 11.020 | 11.338 |
| 16) Endosulfa... | 7.988 | 8.721 | 28895100 | 27768863 | 10.143 | 10.678 |
| 17) 4,4'-DDT | 8.083 | 8.850 | 23173376 | 25308357 | 10.567 | 11.906 |
| 18) Endrin Al... | 8.278 | 8.960 | 27677178 | 25800518 | 10.374 | 10.841 |
| 19) Endosulfa... | 8.581 | 9.151 | 27569100 | 26486998 | 10.411 | 11.089 |
| 20) Methoxychlor | 8.425 | 9.335 | 11113724 | 12796383 | 10.553 | 12.222 |
| 21) Endrin Ke... | 8.774 | 9.550 | 32756813 | 30298317 | 9.543 | 10.725 |
| 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 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:57
Operator : MJB
Sample : 0F06008-CAL5
Misc : A20C180, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:34:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 17:13
 Operator : MJB
 Sample : 0F06008-CAL6
 Misc : A20C181, AB 25 ppb
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:35:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:32:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/17/20

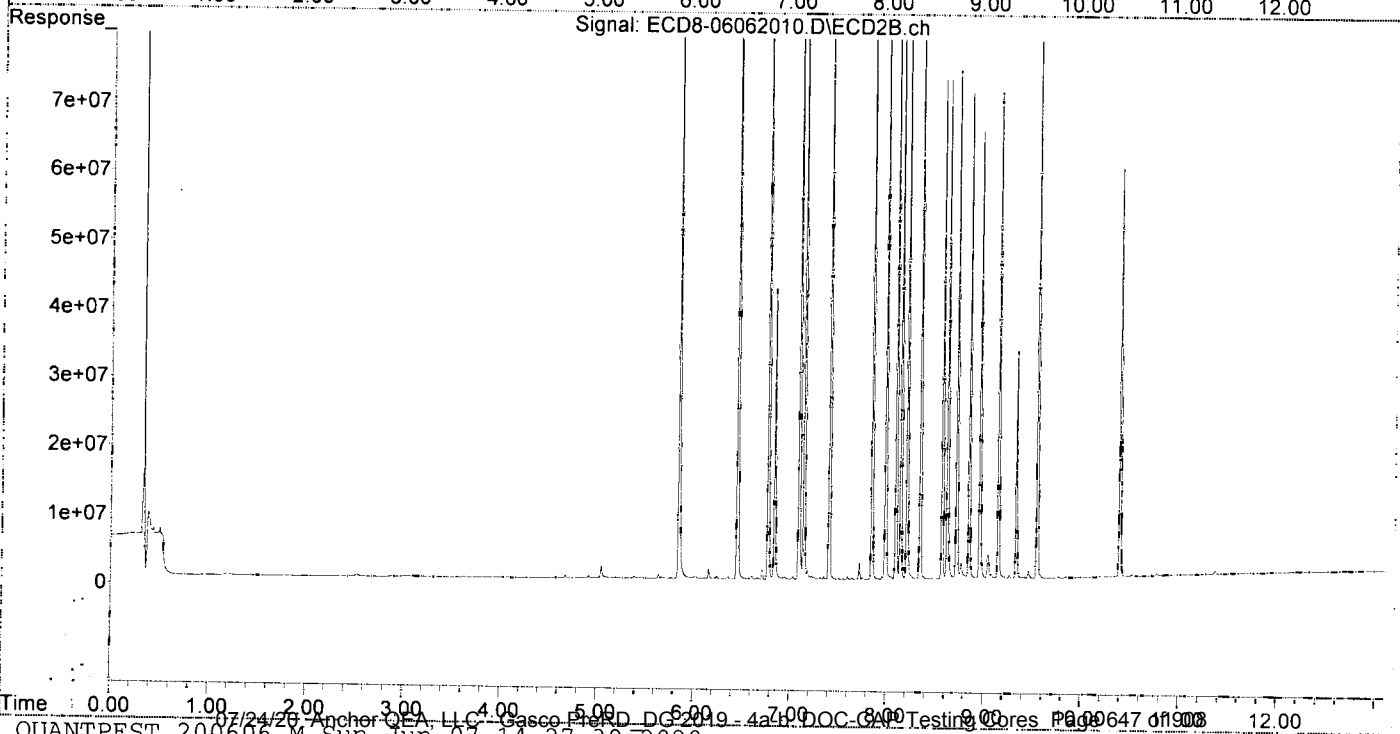
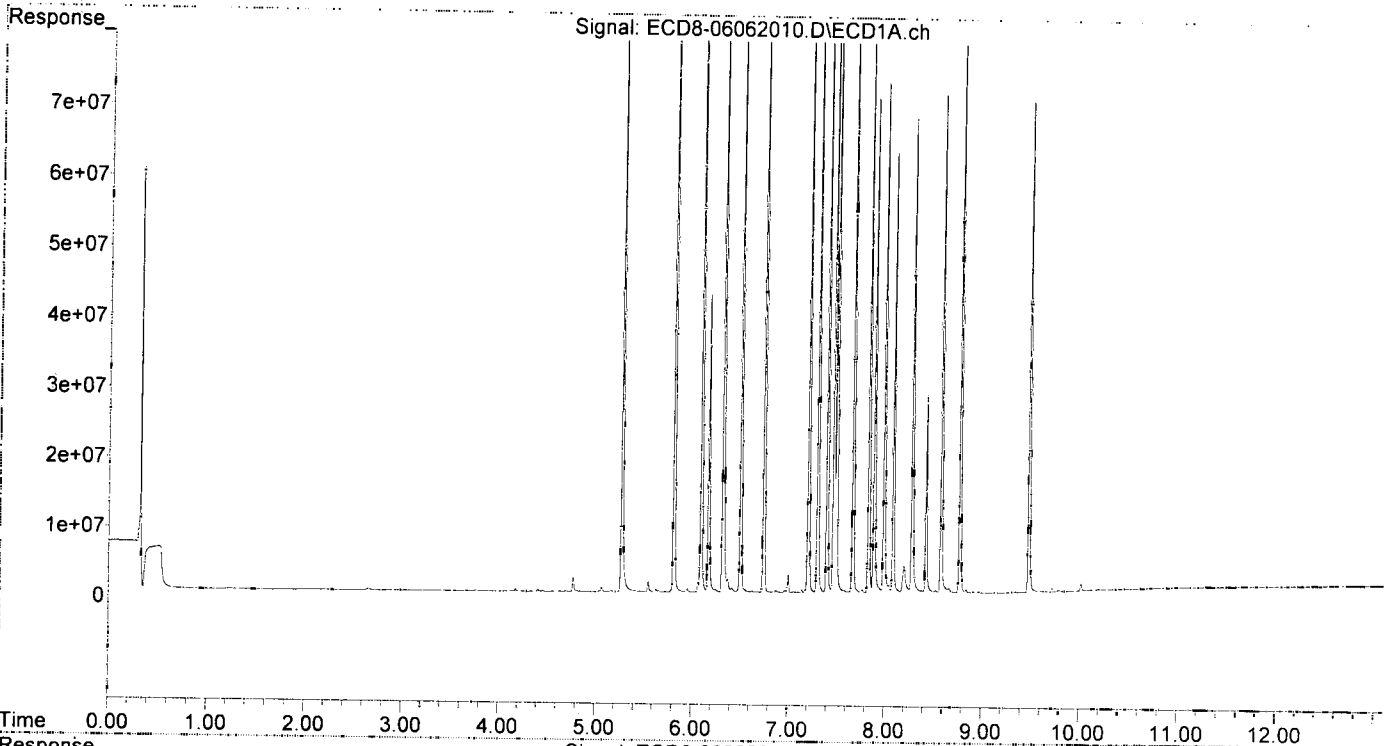
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|----------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.274 | 5.847 | 86728691 | 82784505 | 26.509 | 28.586 |
| 22) S DCBP (S) | 9.482 | 10.396 | 70043801 | 58938146 | 26.222 | 30.782 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.812 | 6.453 | 118.8E6 | 118.0E6 | 26.175 | 28.906 |
| 3) g-BHC | 6.095 | 6.772 | 105.7E6 | 106.2E6 | 26.627 | 28.610 |
| 4) b-BHC | 6.171 | 6.838 | 42663935 | 42039469 | 24.853 | 26.407 |
| 5) Heptachlor | 6.504 | 7.143 | 97787402 | 102.6E6 | 25.034 | 27.396 |
| 6) d-BHC | 6.320 | 7.092 | 90721611 | 100.1E6 | 26.102 | 30.851 |
| 7) Aldrin | 6.744 | 7.406 | 106.4E6 | 99740544 | 27.000 | 28.393 |
| 8) Heptachlo... | 7.206 | 7.846 | 94866469 | 89270067 | 26.648 | 28.092 |
| 9) trans-Chl... | 7.301 | 7.987 | 95188146 | 91015607 | 26.729 | 27.350 |
| 10) cis-Chlor... | 7.399 | 8.095 | 93309929 | 90296816 | 25.816 | 28.272 |
| 11) Endosulfa... | 7.494 | 8.143 | 87969882 | 81264393 | 26.419 | 26.997 |
| 12) 4,4'-DDE | 7.465 | 8.208 | 90527851 | 90779828 | 28.038 | 30.504 |
| 13) Dieldrin | 7.667 | 8.344 | 99483227 | 94470967 | 27.238 | 28.599 |
| 14) Endrin | 7.831 | 8.572 | 82617925 | 72122642 | 32.022 | 33.352 |
| 15) 4,4'-DDD | 7.885 | 8.624 | 70679640 | 72175489 | 27.795 | 29.685 |
| 16) Endosulfa... | 7.988 | 8.721 | 72814315 | 73370058 | 25.559 | 28.214 |
| 17) 4,4'-DDT | 8.083 | 8.850 | 62939123 | 70221935 | 27.692 | 31.500 |
| 18) Endrin Al... | 8.278 | 8.959 | 67705447 | 64639443 | 25.580 | 27.060 |
| 19) Endosulfa... | 8.580 | 9.150 | 71152760 | 70280072 | 26.870 | 29.424 |
| 20) Methoxychlor | 8.424 | 9.334 | 28329088 | 32821247 | 26.207 | 30.427 |
| 21) Endrin Ke... | 8.773 | 9.550 | 84645957 | 80676406 | 24.661 | 28.557 |
| 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 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:13
Operator : MJB
Sample : 0F06008-CAL6
Misc : A20C181, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:35:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 17:30
 Operator : MJB
 Sample : 0F06008-CAL7
 Misc : A20E232, AB 50 ppb
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:31:21 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Apr 27 12:27:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

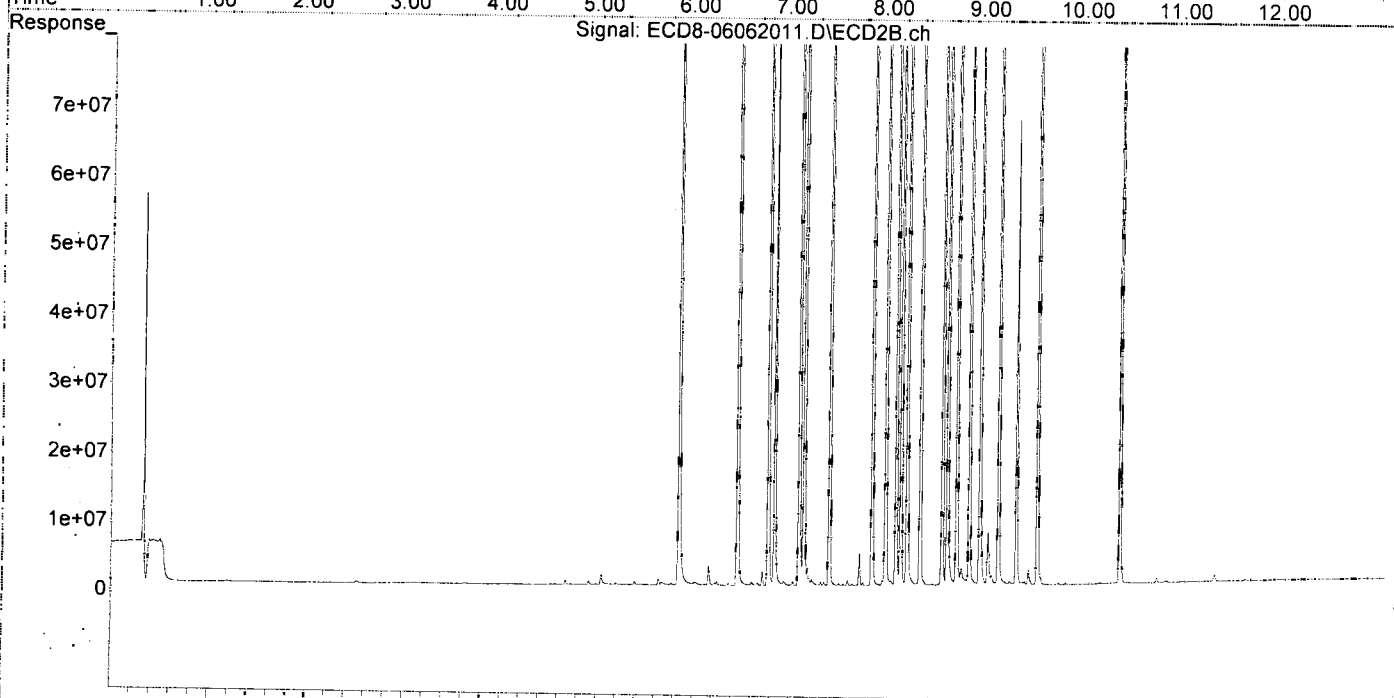
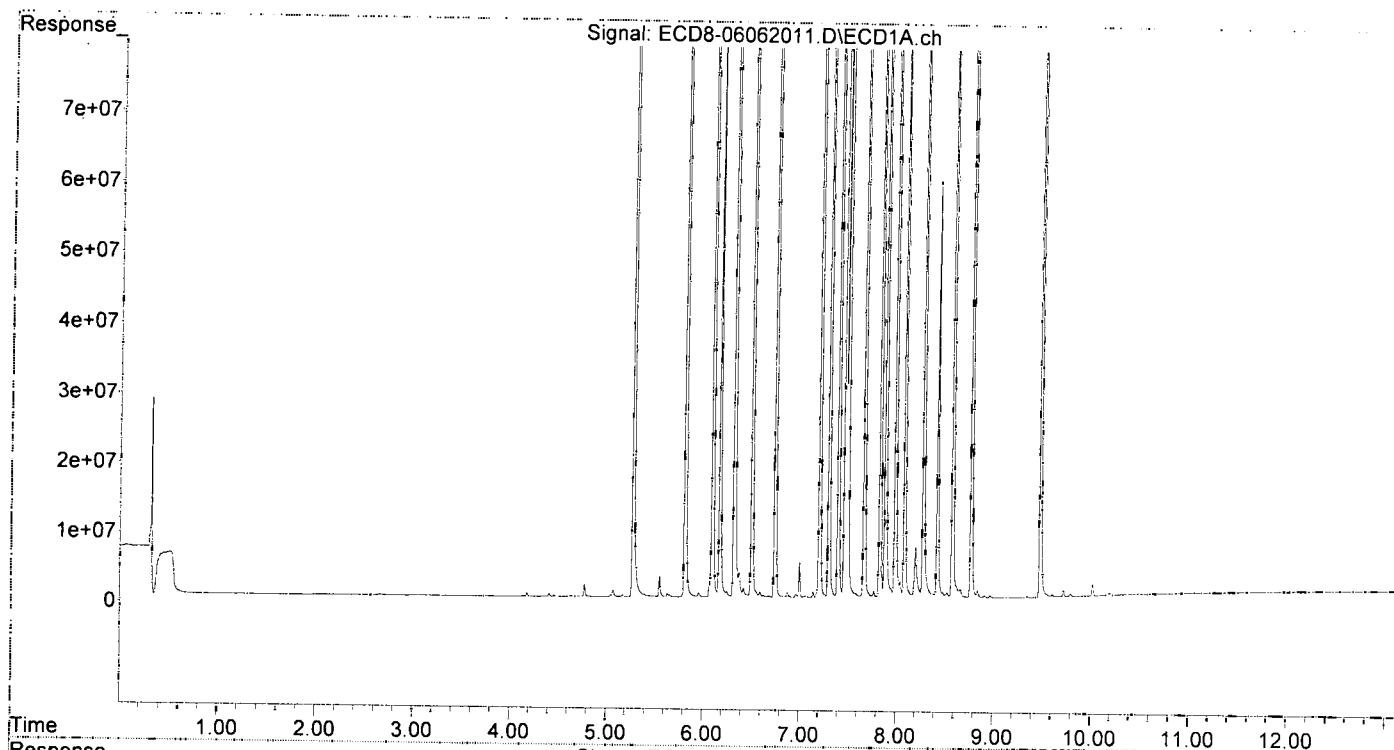
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|----------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.274 | 5.847 | 179.1E6 | 178.8E6 | 54.728 | 61.751 |
| 22) S DCBP (S) | 9.482 | 10.396 | 146.9E6 | 121.1E6 | 54.668 | 62.055 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.813 | 6.453 | 253.8E6 | 253.2E6 | 55.914 | 59.123 |
| 3) g-BHC | 6.094 | 6.772 | 222.2E6 | 227.5E6 | 55.964 | 61.287 |
| 4) b-BHC | 6.171 | 6.838 | 90211863 | 89925013 | 52.551 | 56.487 |
| 5) Heptachlor | 6.504 | 7.142 | 200.0E6 | 217.2E6 | 51.195 | 58.001 |
| 6) d-BHC | 6.320 | 7.091 | 198.0E6 | 211.1E6 | 55.016 | 61.015 |
| 7) Aldrin | 6.745 | 7.406 | 219.6E6 | 206.0E6 | 55.740 | 58.634 |
| 8) Heptachlo... | 7.205 | 7.847 | 195.2E6 | 188.5E6 | 54.834 | 59.307 |
| 9) trans-Chl... | 7.301 | 7.987 | 200.8E6 | 191.9E6 | 55.536 | 57.670 |
| 10) cis-Chlor... | 7.398 | 8.095 | 194.6E6 | 190.0E6 | 53.827 | 59.481 |
| 11) Endosulfa... | 7.494 | 8.144 | 186.3E6 | 171.9E6 | 55.943 | 57.106 |
| 12) 4,4'-DDE | 7.464 | 8.207 | 190.2E6 | 190.9E6 | 58.899 | 60.905 |
| 13) Dieldrin | 7.666 | 8.344 | 210.5E6 | 202.6E6 | 57.640 | 61.334 |
| 14) Endrin | 7.831 | 8.571 | 171.9E6 | 153.4E6 | 66.630 | 66.569 |
| 15) 4,4'-DDD | 7.885 | 8.623 | 151.0E6 | 156.1E6 | 56.981 | 60.641 |
| 16) Endosulfa... | 7.987 | 8.720 | 154.5E6 | 157.0E6 | 54.245 | 60.360 |
| 17) 4,4'-DDT | 8.084 | 8.850 | 133.3E6 | 147.5E6 | 55.565 | 61.561 |
| 18) Endrin Al... | 8.278 | 8.959 | 138.4E6 | 140.1E6 | 52.174 | 57.172 |
| 19) Endosulfa... | 8.580 | 9.150 | 148.4E6 | 154.0E6 | 56.047 | 64.486 |
| 20) Methoxychlor | 8.424 | 9.334 | 59424282 | 66949924 | 52.536 | 58.812 |
| 21) Endrin Ke... | 8.774 | 9.549 | 175.3E6 | 173.0E6 | 51.080 | 61.238 |
| 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 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:30
Operator : MJB
Sample : 0F06008-CAL7
Misc : A20E232, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:31:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Apr 27 12:27:02 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 17:46
 Operator : MJB
 Sample : 0F06008-CAL8
 Misc : A20E233, AB 100 ppb
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:35:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:32:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

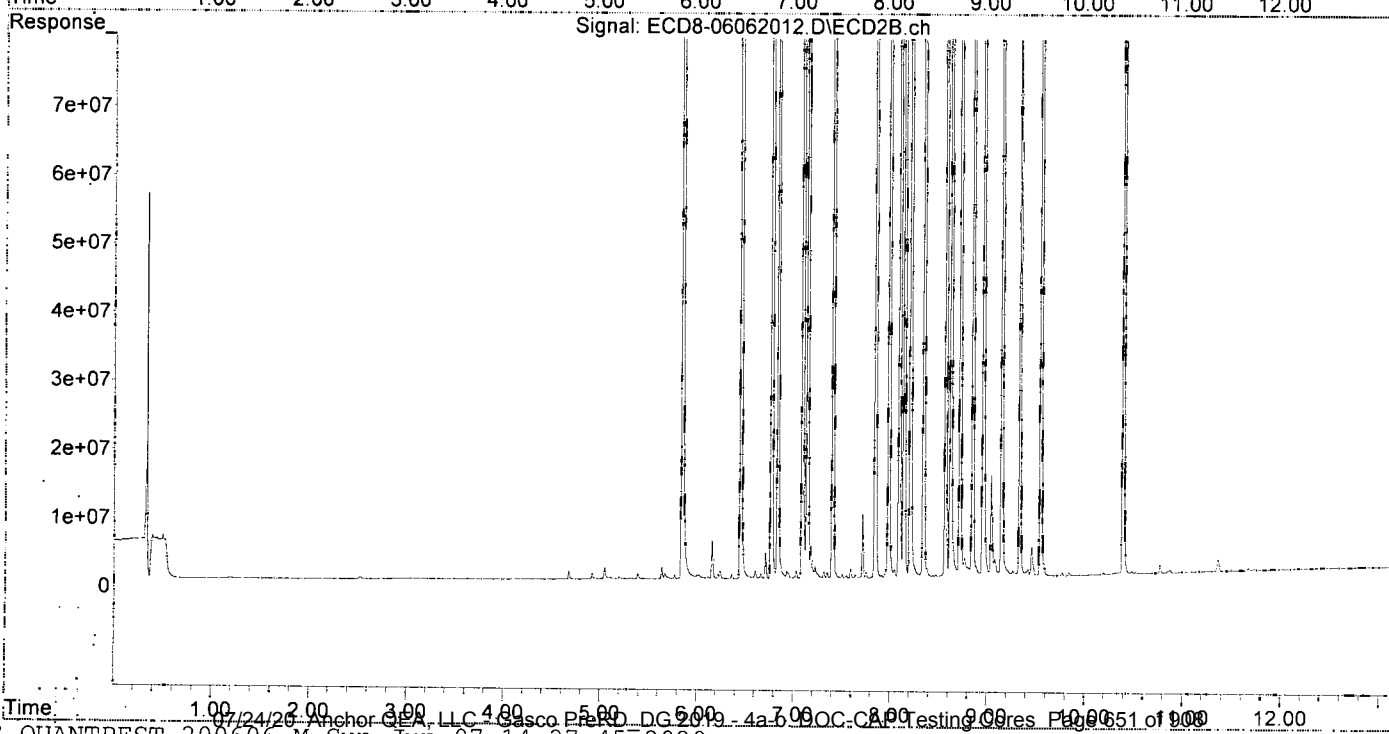
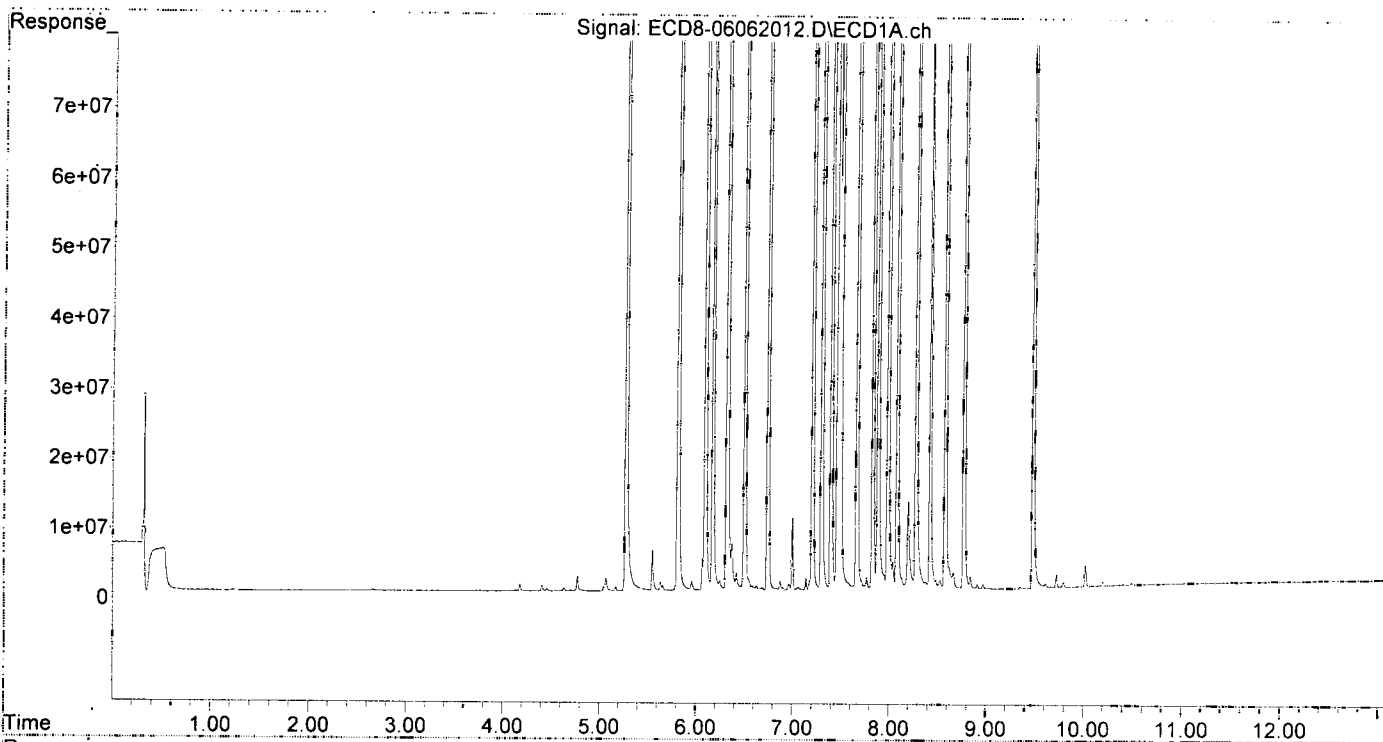
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|---------|---------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.275 | 5.847 | 372.2E6 | 385.6E6 | 113.770 | 133.140 |
| 22) S DCBP (S) | 9.482 | 10.397 | 292.0E6 | 256.3E6 | 106.930 | 125.481 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.814 | 6.454 | 531.7E6 | 535.6E6 | 117.135 | 115.146 |
| 3) g-BHC | 6.096 | 6.772 | 457.3E6 | 465.9E6 | 115.165 | 125.501 |
| 4) b-BHC | 6.172 | 6.838 | 189.2E6 | 193.1E6 | 110.195 | 121.293 |
| 5) Heptachlor | 6.505 | 7.143 | 430.5E6 | 467.5E6 | 110.200 | 124.844 |
| 6) d-BHC | 6.320 | 7.092 | 425.1E6 | 466.4E6 | 110.980 | 120.172 |
| 7) Aldrin | 6.745 | 7.407 | 454.2E6 | 437.5E6 | 115.292 | 124.536 |
| 8) Heptachlo... | 7.206 | 7.846 | 413.9E6 | 398.3E6 | 116.255 | 125.346 |
| 9) trans-Chl... | 7.301 | 7.986 | 409.5E6 | 411.4E6 | 113.255 | 123.629 |
| 10) cis-Chlor... | 7.399 | 8.095 | 396.9E6 | 389.0E6 | 109.806 | 121.799 |
| 11) Endosulfa... | 7.495 | 8.143 | 377.7E6 | 370.0E6 | 113.438 | 122.928 |
| 12) 4,4'-DDE | 7.464 | 8.207 | 393.5E6 | 405.4E6 | 121.869 | 118.191 |
| 13) Dieldrin | 7.667 | 8.345 | 427.9E6 | 434.4E6 | 117.171 | 131.511 |
| 14) Endrin | 7.831 | 8.572 | 362.8E6 | 327.3E6 | 140.611 | 127.582 |
| 15) 4,4'-DDD | 7.885 | 8.623 | 315.6E6 | 334.5E6 | 110.979 | 117.793 |
| 16) Endosulfa... | 7.987 | 8.720 | 325.6E6 | 322.9E6 | 114.273 | 124.189 |
| 17) 4,4'-DDT | 8.083 | 8.850 | 278.3E6 | 324.1E6 | 106.022 | 119.253 |
| 18) Endrin Al... | 8.278 | 8.959 | 289.5E6 | 298.8E6 | 107.834 | 115.575 |
| 19) Endosulfa... | 8.580 | 9.150 | 312.2E6 | 326.0E6 | 117.895 | 136.505 |
| 20) Methoxychlor | 8.424 | 9.334 | 129.7E6 | 142.9E6 | 105.219 | 113.660 |
| 21) Endrin Ke... | 8.773 | 9.550 | 365.0E6 | 360.5E6 | 106.332 | 127.595 |
| 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 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:46
Operator : MJB
Sample : 0F06008-CAL8
Misc : A20E233, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:35:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 18:03
 Operator : MJB
 Sample : 0F06008-CAL9
 Misc : A20C177, AB 200 ppb
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:36:21 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:32:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/17/20

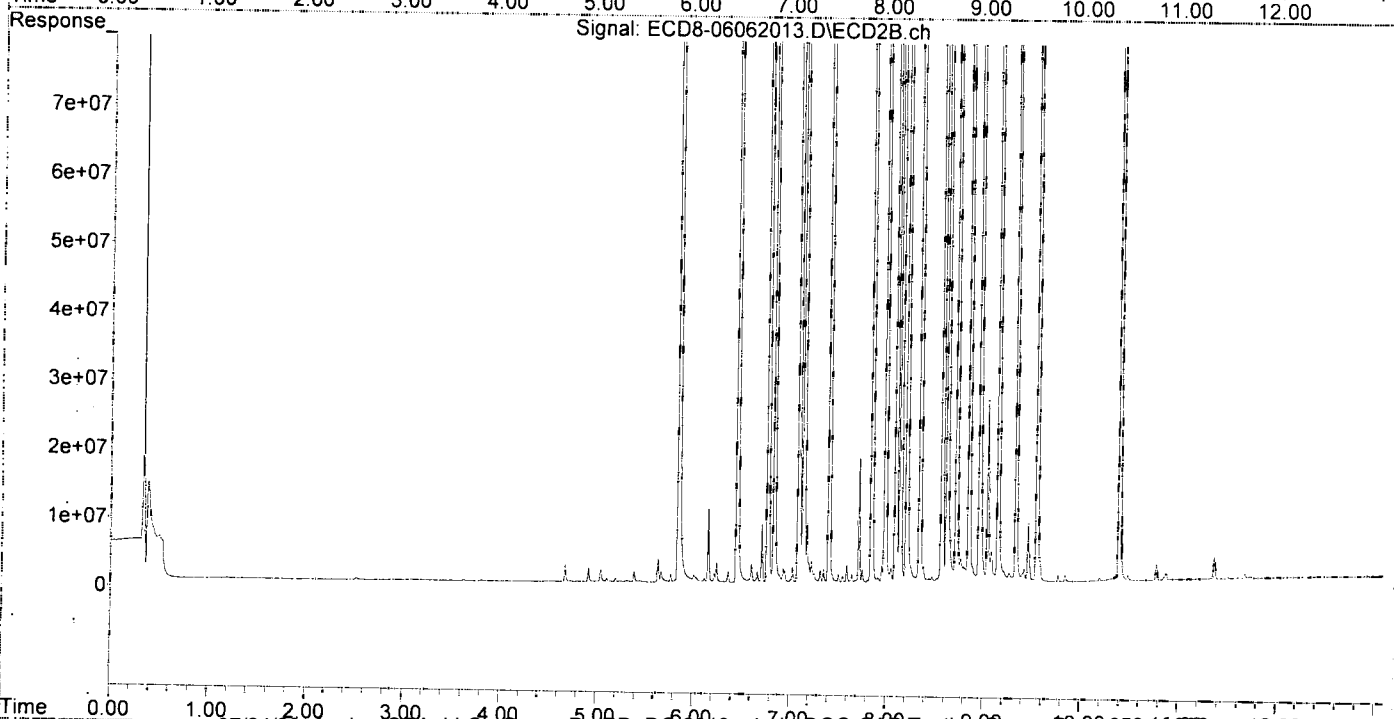
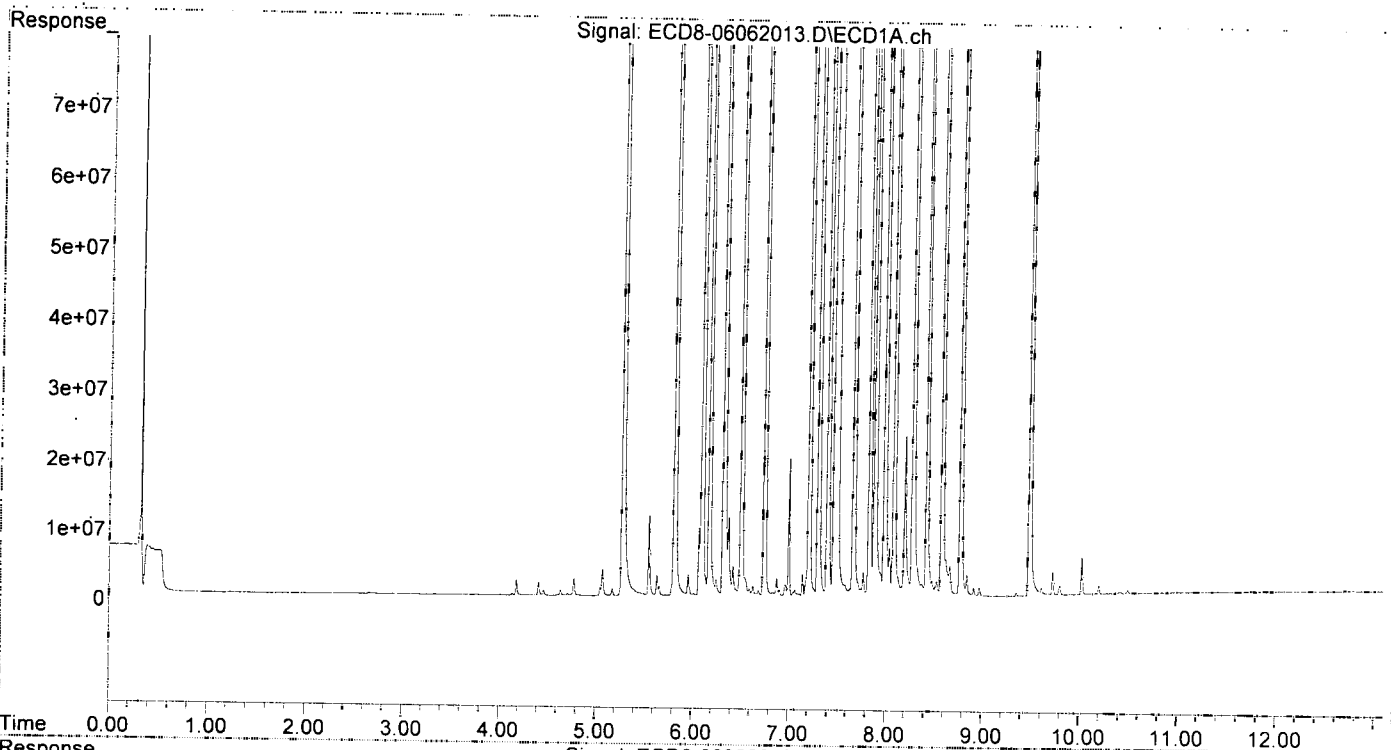
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|----------|----------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.276 | 5.847 | 750.6E6 | 790.4E6 | 229.427 | 272.944 |
| 22) S DCBP (S) | 9.482 | 10.396 | 583.9E6 | 527.3E6 | 206.884 | 238.550 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.814 | 6.454 | 1055.1E6 | 1129.6E6 | 232.465 | 213.297 |
| 3) g-BHC | 6.096 | 6.772 | 919.0E6 | 982.3E6 | 231.446 | 264.598 |
| 4) b-BHC | 6.172 | 6.837 | 380.4E6 | 394.6E6 | 221.613 | 247.845 |
| 5) Heptachlor | 6.506 | 7.142 | 854.7E6 | 925.9E6 | 218.808 | 247.244 |
| 6) d-BHC | 6.320 | 7.091 | 885.2E6 | 954.6E6 | 209.197 | 210.908 |
| 7) Aldrin | 6.745 | 7.407 | 905.5E6 | 904.7E6 | 229.862 | 257.540 |
| 8) Heptachlo... | 7.206 | 7.846 | 814.0E6 | 810.0E6 | 228.665 | 254.900 |
| 9) trans-Chl... | 7.301 | 7.986 | 845.2E6 | 837.5E6 | 233.784 | 251.663 |
| 10) cis-Chlor... | 7.399 | 8.095 | 811.7E6 | 786.7E6 | 224.563 | 246.318 |
| 11) Endosulfa... | 7.494 | 8.143 | 761.6E6 | 752.5E6 | 228.733 | 249.970 |
| 12) 4,4'-DDE | 7.464 | 8.207 | 820.0E6 | 861.3E6 | 253.951 | 218.222 |
| 13) Dieldrin | 7.667 | 8.345 | 857.8E6 | 881.0E6 | 234.863 | 266.696 |
| 14) Endrin | 7.831 | 8.572 | 733.8E6 | 689.1E6 | 284.410 | 229.533 |
| 15) 4,4'-DDD | 7.884 | 8.623 | 664.2E6 | 703.1E6 | 207.965 | 213.966 |
| 16) Endosulfa... | 7.987 | 8.720 | 667.0E6 | 704.5E6 | 234.137 | 270.913 |
| 17) 4,4'-DDT | 8.083 | 8.850 | 585.1E6 | 671.6E6 | 193.844 | 208.673 |
| 18) Endrin Al... | 8.278 | 8.959 | 590.1E6 | 607.2E6 | 214.433 | 215.153 |
| 19) Endosulfa... | 8.580 | 9.151 | 621.9E6 | 671.0E6 | 234.852 | 280.908 |
| 20) Methoxychlor | 8.423 | 9.334 | 270.4E6 | 319.1E6 | 192.858 | 215.490 |
| 21) Endrin Ke... | 8.774 | 9.550 | 749.3E6 | 748.5E6 | 218.312 | 264.954 |
| 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 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:03
Operator : MJB
Sample : 0F06008-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:36:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 18:52
 Operator : MJB
 Sample : 0F06008-CALA
 Misc : A20F082, 9-42 0.5 ppb
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:38:45 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:38:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

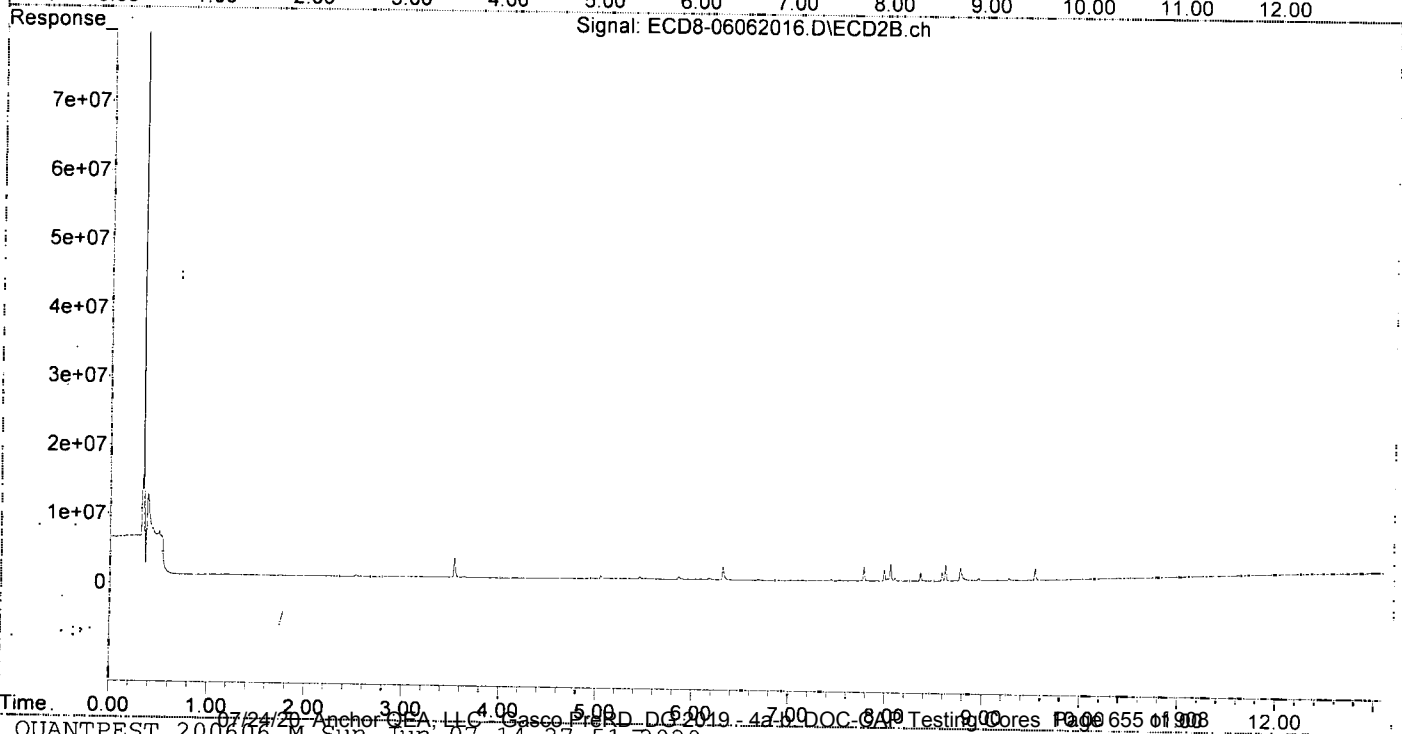
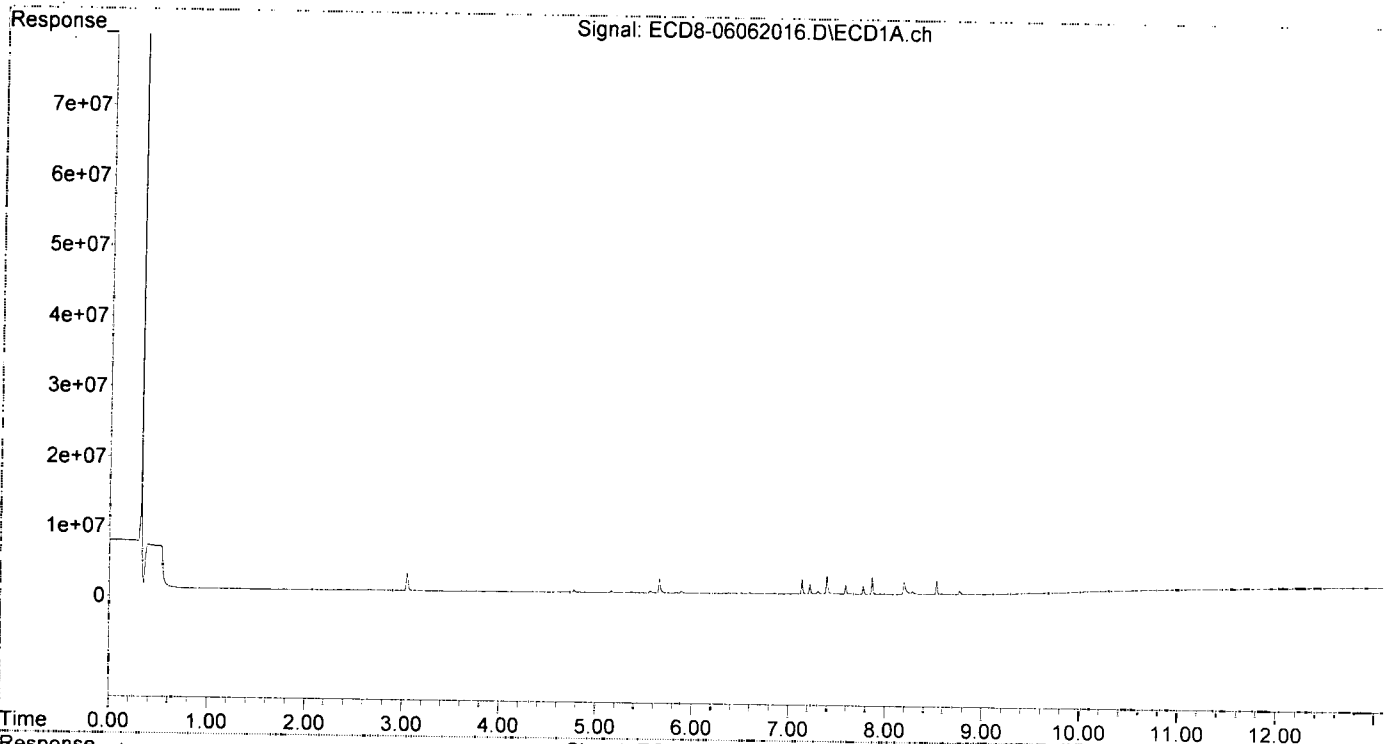
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|--------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | 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... | 3.047 | 3.534 | 2512894 | 2831116 | 0.511 | 0.550 |
| 24) Hexachlor... | 5.657 | 6.315 | 2070033 | 1957618 | 0.488 | 0.546 |
| 25) Oxychlorane | 7.135 | 7.775 | 2124726 | 2077896 | 0.528 | 0.544 |
| 26) 2,4'-DDE | 7.216 | 7.985 | 1450647 | 1594318 | 0.668 | 0.661 |
| 27) trans-Non... | 7.392 | 8.050 | 2706753 | 2454721 | 0.637 | 0.612 |
| 28) 2,4'-DDD | 7.587 | 8.359 | 1283450 | 1185591 | 0.665 | 0.480 # |
| 29) 2,4'-DDT | 7.769 | 8.582 | 1217591 | 1241303 | 0.655 | 0.627 |
| 30) cis-Nonac... | 7.861 | 8.618 | 2497038 | 2343379 | 0.542 | 0.515 |
| 31) Mirex | 8.527 | 9.536 | 1951891 | 1704303 | 0.553 | 0.455 |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:38:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 19:09
 Operator : MJB
 Sample : 0F06008-CALB
 Misc : A20C353, 9-42 1 ppb
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:39:16 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:38:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

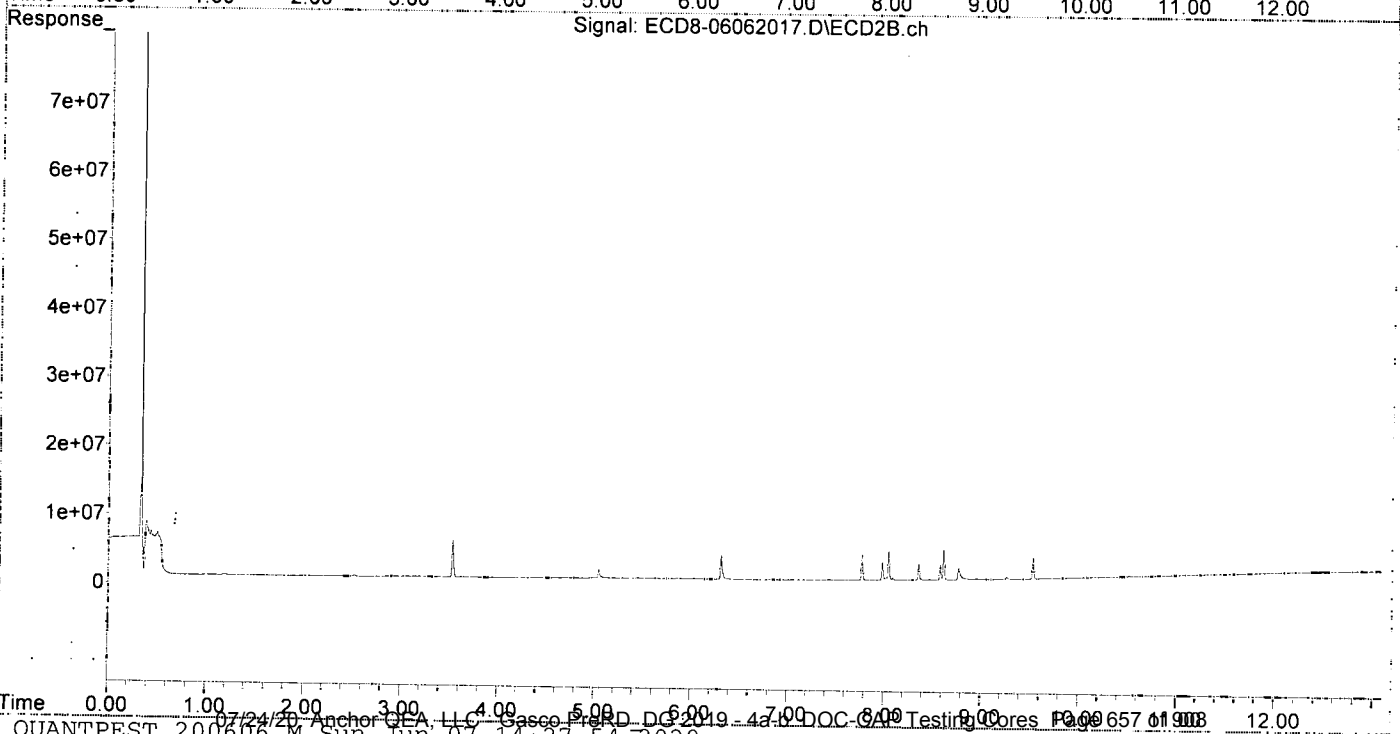
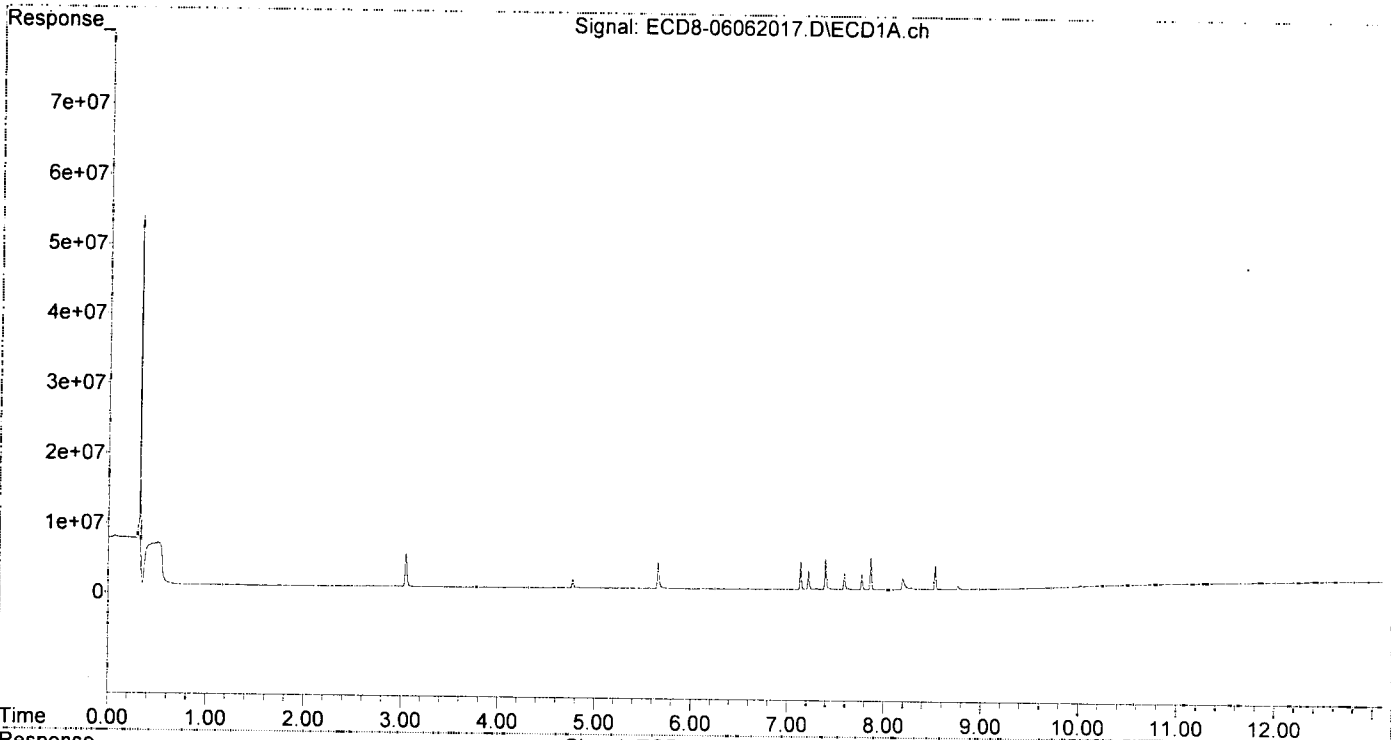
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | 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... | 3.047 | 3.534 | 4817265 | 5390738 | 1.171 | 1.233 |
| 24) Hexachlor... | 5.657 | 6.315 | 3808389 | 3490476 | 1.073 | 1.158 |
| 25) Oxychlorane | 7.135 | 7.775 | 4069036 | 3679856 | 1.213 | 1.185 |
| 26) 2,4'-DDE | 7.216 | 7.985 | 2683204 | 2644092 | 1.236 | 1.229 |
| 27) trans-Non... | 7.393 | 8.050 | 4424272 | 4150088 | 1.168 | 1.197 |
| 28) 2,4'-DDD | 7.588 | 8.360 | 2380316 | 2357973 | 1.233 | 1.195 |
| 29) 2,4'-DDT | 7.770 | 8.582 | 2237919 | 2243898 | 1.203 | 1.252 |
| 30) cis-Nonac... | 7.862 | 8.617 | 4619495 | 4362479 | 1.153 | 1.183 |
| 31) Mirex | 8.527 | 9.536 | 3450319 | 3067448 | 1.219 | 1.147 |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:09
Operator : MJB
Sample : 0F06008-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:39:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 19:25
 Operator : MJB
 Sample : 0F06008-CALC
 Misc : A20C354, 9-42 2 ppb
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:39:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD8
 QLast Update : Sun Jun 07 13:38:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

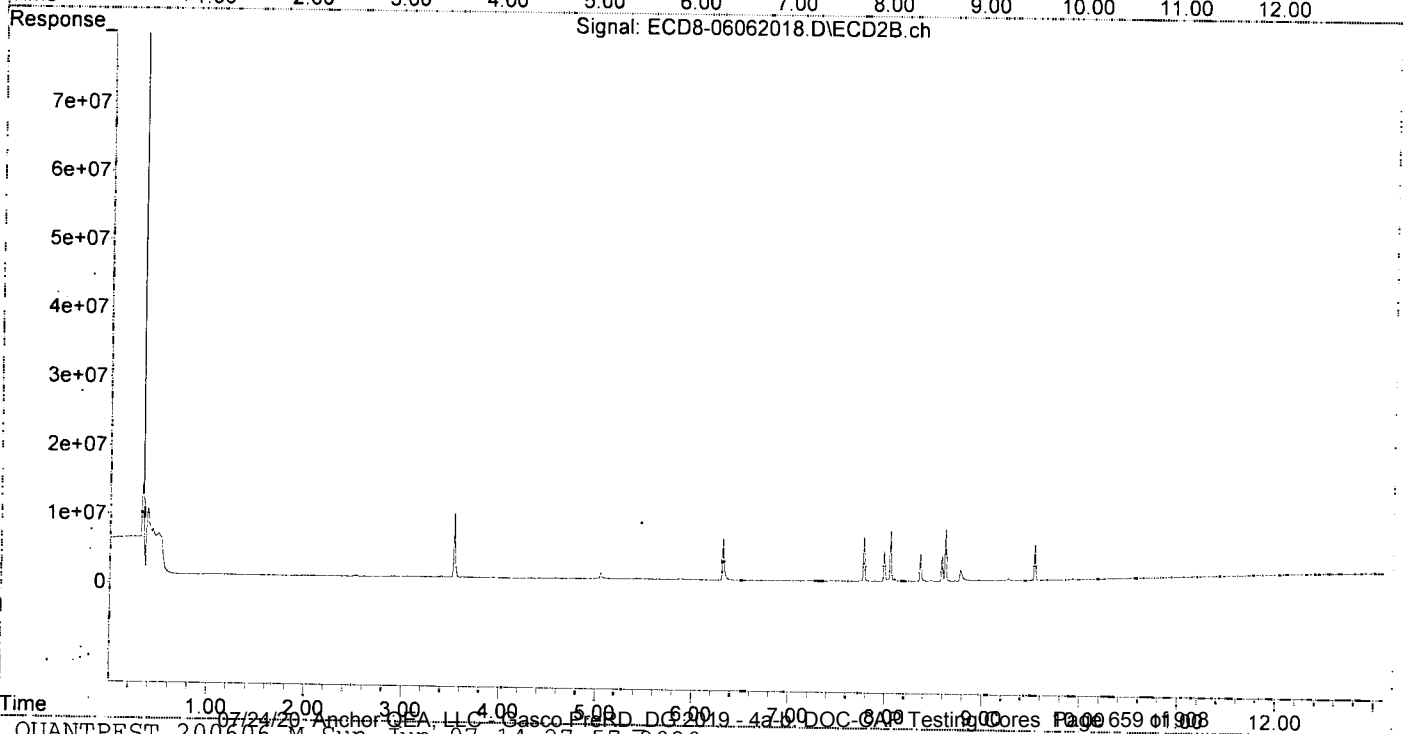
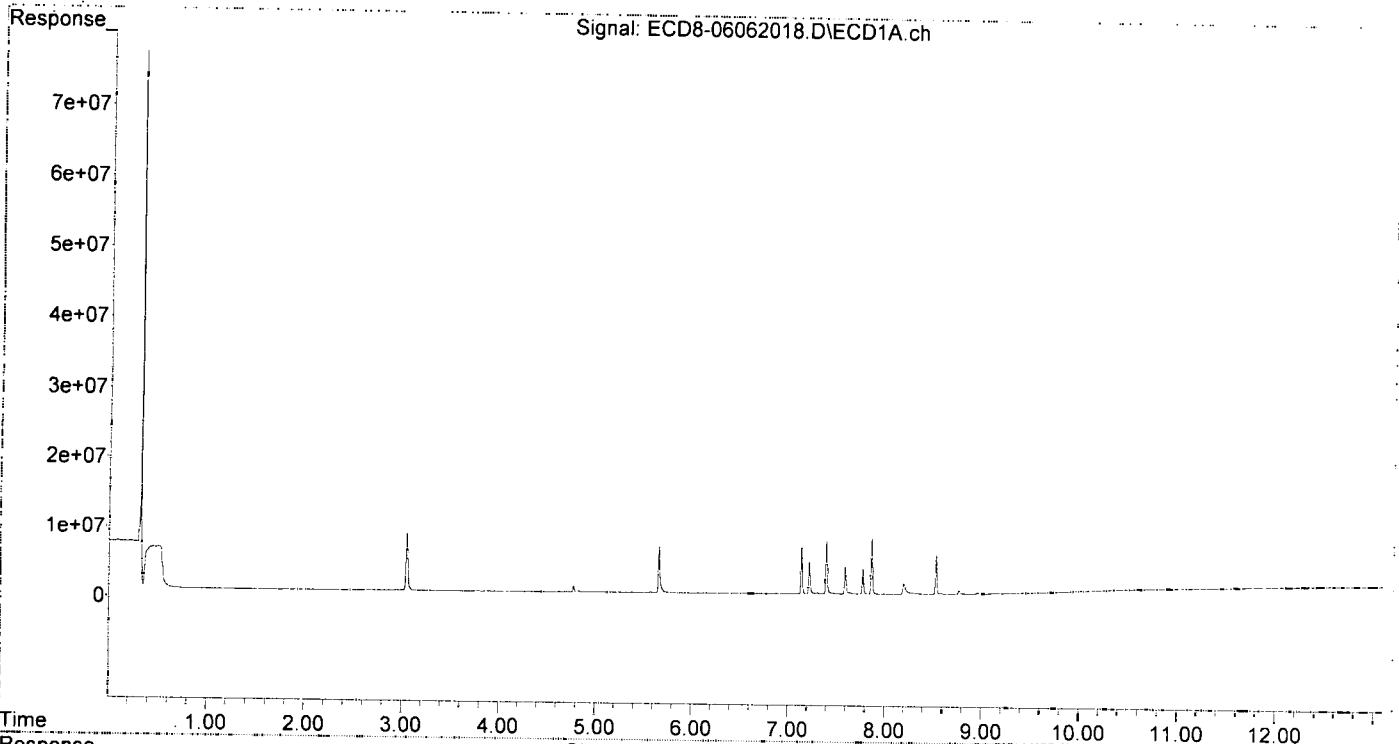
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | 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... | 3.048 | 3.534 | 8189944 | 9258660 | 2.137 | 2.265 |
| 24) Hexachlor... | 5.657 | 6.315 | 6674738 | 6013960 | 2.037 | 2.164 |
| 25) Oxychlorane | 7.135 | 7.775 | 6851909 | 6318570 | 2.193 | 2.238 |
| 26) 2,4'-DDE | 7.216 | 7.986 | 4589279 | 4364012 | 2.115 | 2.158 |
| 27) trans-Non... | 7.392 | 8.050 | 7594996 | 7278851 | 2.146 | 2.275 |
| 28) 2,4'-DDD | 7.589 | 8.359 | 3914792 | 4019825 | 2.028 | 2.205 |
| 29) 2,4'-DDT | 7.770 | 8.582 | 3679380 | 3684050 | 1.978 | 2.147 |
| 30) cis-Nonac... | 7.862 | 8.617 | 8069719 | 7556685 | 2.144 | 2.238 |
| 31) Mirex | 8.527 | 9.536 | 5603738 | 5247610 | 2.176 | 2.252 |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:25
Operator : MJB
Sample : 0F06008-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:39:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 19:42
 Operator : MJB
 Sample : 0F06008-CALD
 Misc : A20C355, 9-42 5 ppb
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:40:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:38:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

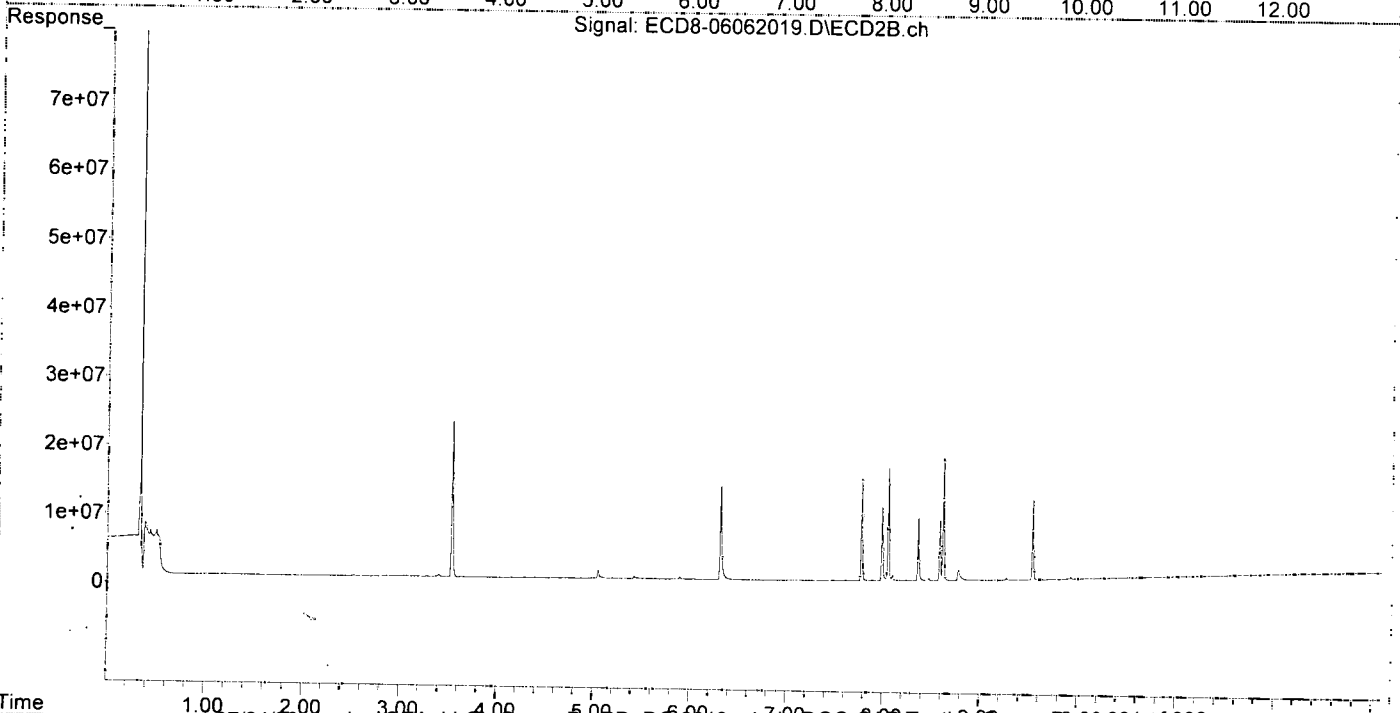
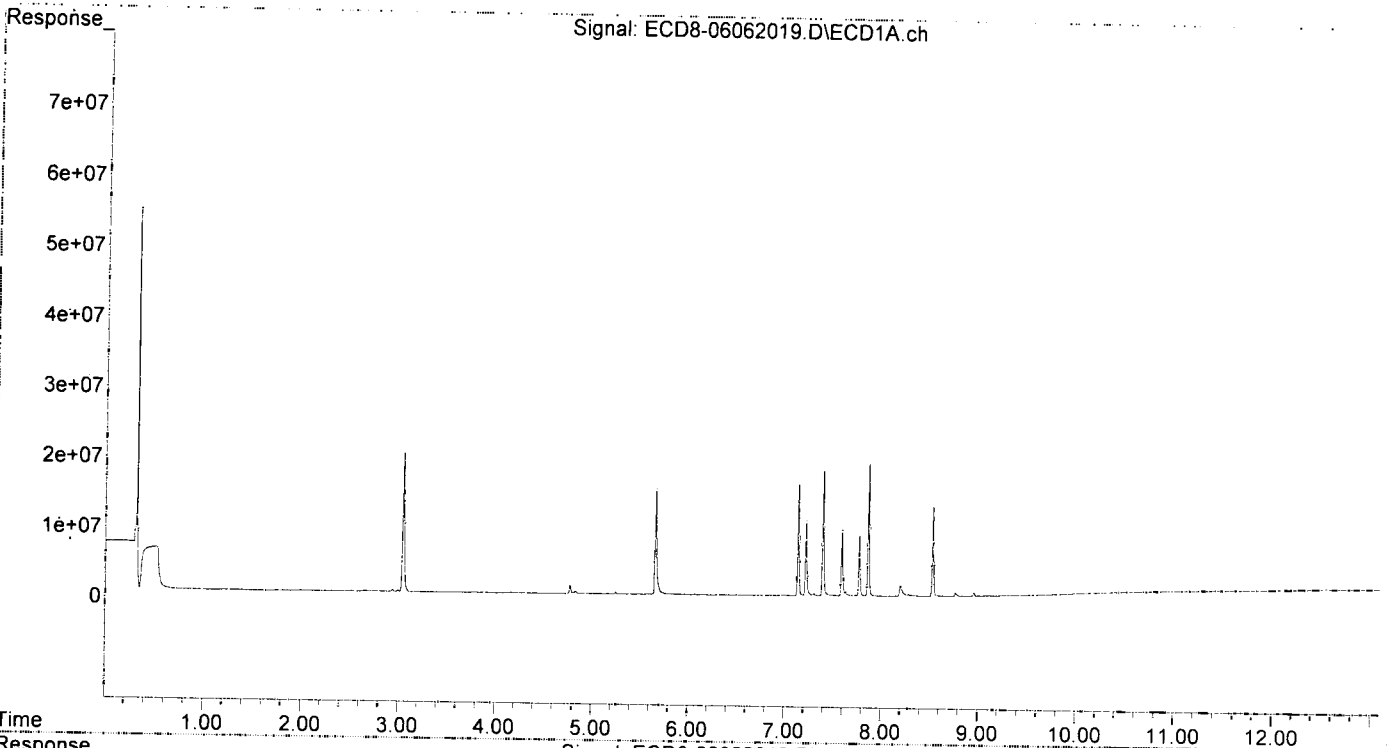
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 3.047 | 3.534 | 19829693 | 22664682 | 5.469 | 5.828 |
| 24) Hexachlor... | 5.657 | 6.314 | 15146184 | 13589298 | 4.882 | 5.164 |
| 25) Oxychlorane | 7.135 | 7.775 | 15911628 | 14761477 | 5.379 | 5.597 |
| 26) 2,4'-DDE | 7.216 | 7.984 | 10644145 | 10681498 | 4.905 | 5.553 |
| 27) trans-Non... | 7.392 | 8.050 | 17817126 | 16374211 | 5.294 | 5.396 |
| 28) 2,4'-DDD | 7.588 | 8.359 | 9382730 | 9138537 | 4.861 | 5.301 |
| 29) 2,4'-DDT | 7.769 | 8.581 | 8777458 | 8951762 | 4.719 | 5.397 |
| 30) cis-Nonac... | 7.862 | 8.617 | 18915433 | 17752573 | 5.256 | 5.581 |
| 31) Mirex | 8.527 | 9.536 | 12781446 | 11563627 | 5.362 | 5.447 |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:42
Operator : MJB
Sample : 0F06008-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:40:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 19:58
 Operator : MJB
 Sample : 0F06008-CALE
 Misc : A20C356, 9-42 10 ppb
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:40:55 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:38:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*MJB
6/7/20*

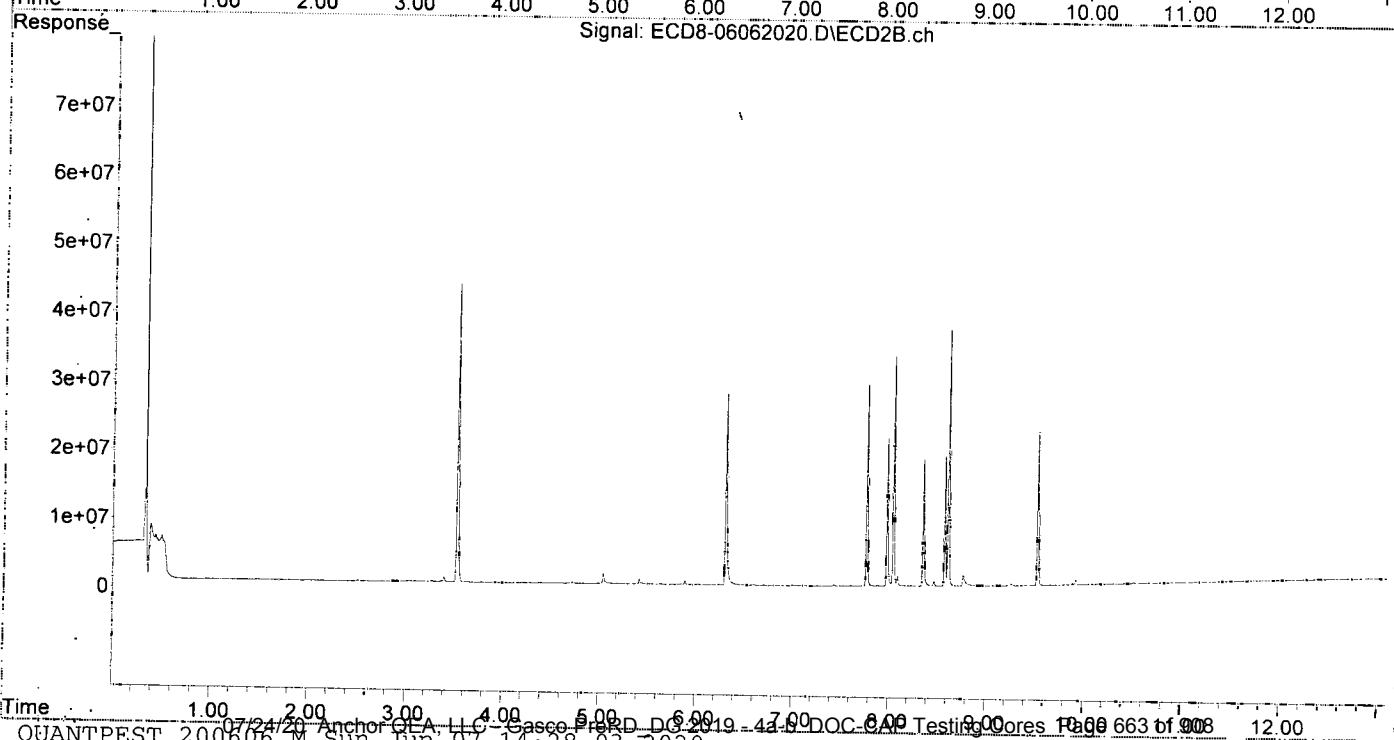
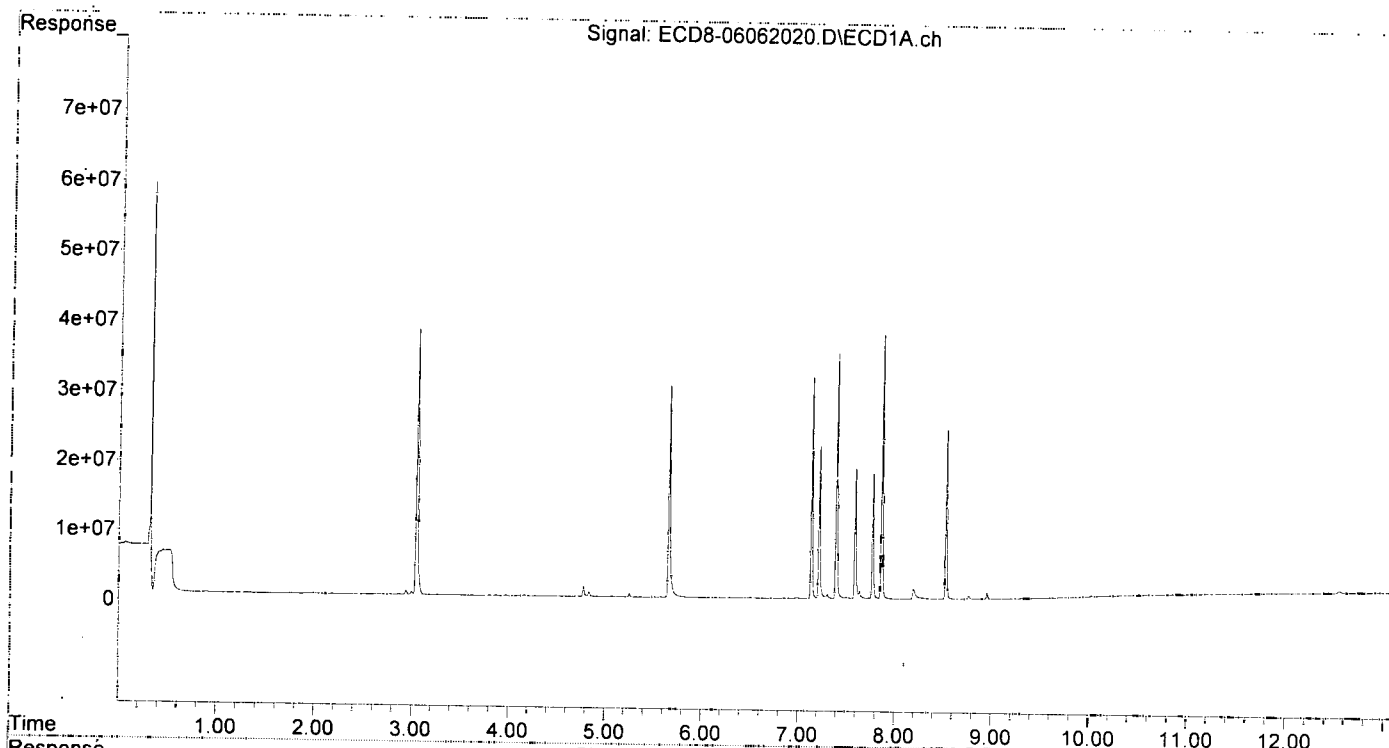
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 3.047 | 3.534 | 38036984 | 43322437 | 10.676 | 11.284 |
| 24) Hexachlor... | 5.656 | 6.314 | 30381416 | 27742495 | 9.979 | 10.697 |
| 25) Oxychlorane | 7.134 | 7.775 | 31811761 | 29171276 | 10.950 | 11.288 |
| 26) 2,4'-DDE | 7.215 | 7.984 | 22083596 | 21303568 | 10.176 | 11.205 |
| 27) trans-Non... | 7.392 | 8.049 | 35211712 | 33268899 | 10.626 | 11.139 |
| 28) 2,4'-DDD | 7.587 | 8.358 | 18731913 | 18319171 | 9.704 | 10.793 |
| 29) 2,4'-DDT | 7.769 | 8.582 | 18035412 | 18833586 | 9.697 | 11.391 |
| 30) cis-Nonac... | 7.862 | 8.617 | 37945033 | 37094585 | 10.697 | 11.834 |
| 31) Mirex | 8.527 | 9.536 | 24415174 | 22120715 | 10.513 | 10.764 |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:58
Operator : MJB
Sample : 0F06008-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:40:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 20:15
 Operator : MJB
 Sample : 0F06008-CALF
 Misc : A20C357, 9-42 25 ppb
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:41:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 Last Update : Sun Jun 07 13:38:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

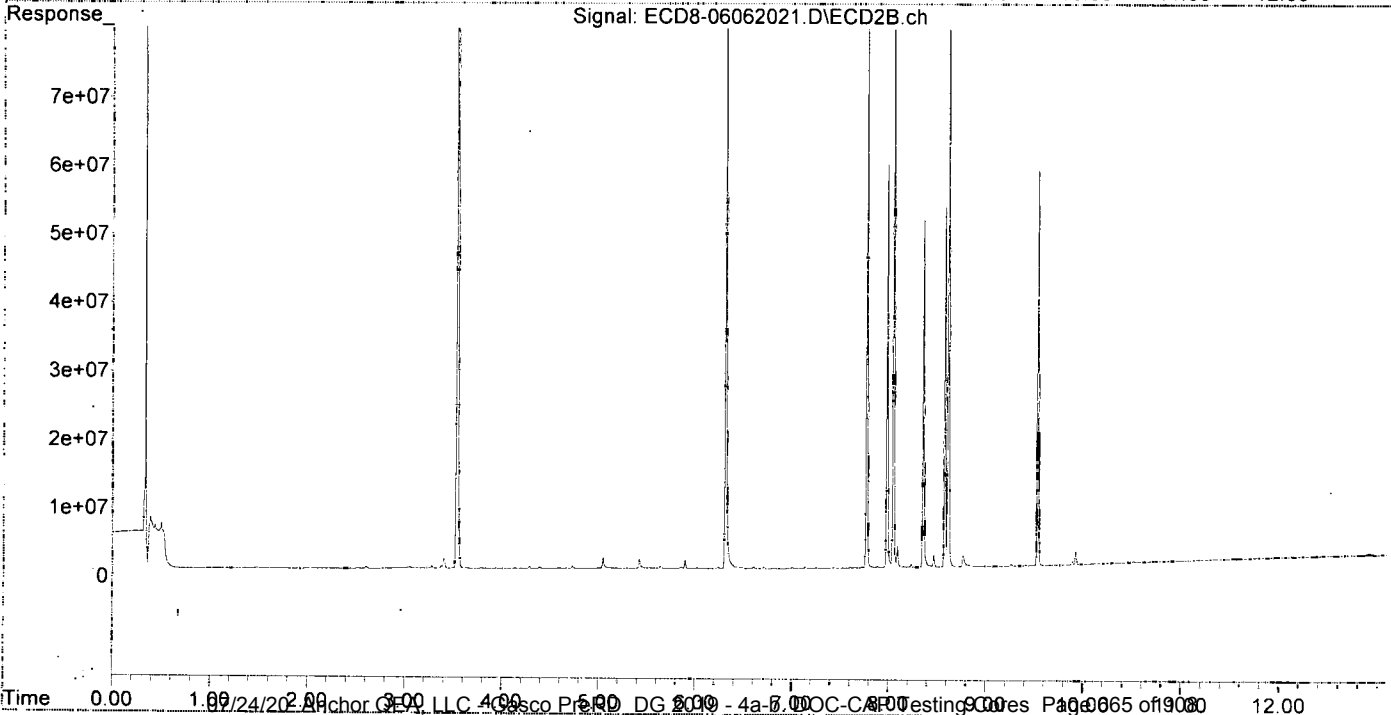
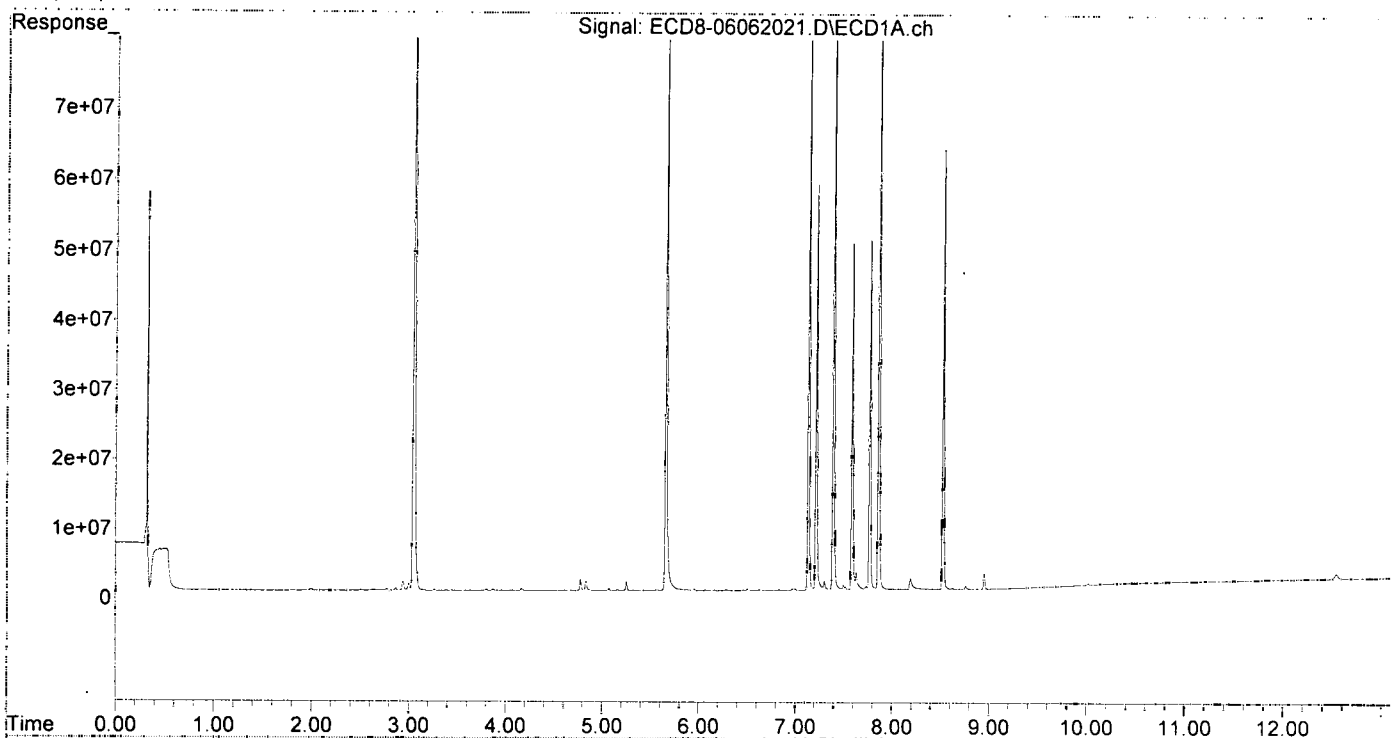
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 3.048 | 3.534 | 95294680 | 111.2E6 | 27.011 | 28.920 |
| 24) Hexachlor... | 5.656 | 6.313 | 79880115 | 79728985 | 26.376 | 30.263 |
| 25) Oxychlordane | 7.133 | 7.774 | 81758626 | 78433559 | 28.280 | 30.364 |
| 26) 2,4'-DDE | 7.214 | 7.983 | 58290492 | 58724684 | 26.860 | 30.570 |
| 27) trans-Non... | 7.390 | 8.050 | 90111332 | 87275991 | 27.271 | 29.062 |
| 28) 2,4'-DDD | 7.585 | 8.357 | 49825773 | 50440715 | 25.813 | 29.434 |
| 29) 2,4'-DDT | 7.768 | 8.581 | 50321319 | 52198495 | 27.055 | 30.740 |
| 30) cis-Nonac... | 7.861 | 8.617 | 97417447 | 96357003 | 27.549 | 30.320 |
| 31) Mirex | 8.527 | 9.535 | 62846910 | 57280592 | 27.415 | 28.268 |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:15
Operator : MJB
Sample : 0F06008-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:41:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 20:31
 Operator : MJB
 Sample : 0F06008-CALG
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:37:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:32:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*MJB
6/17/20*

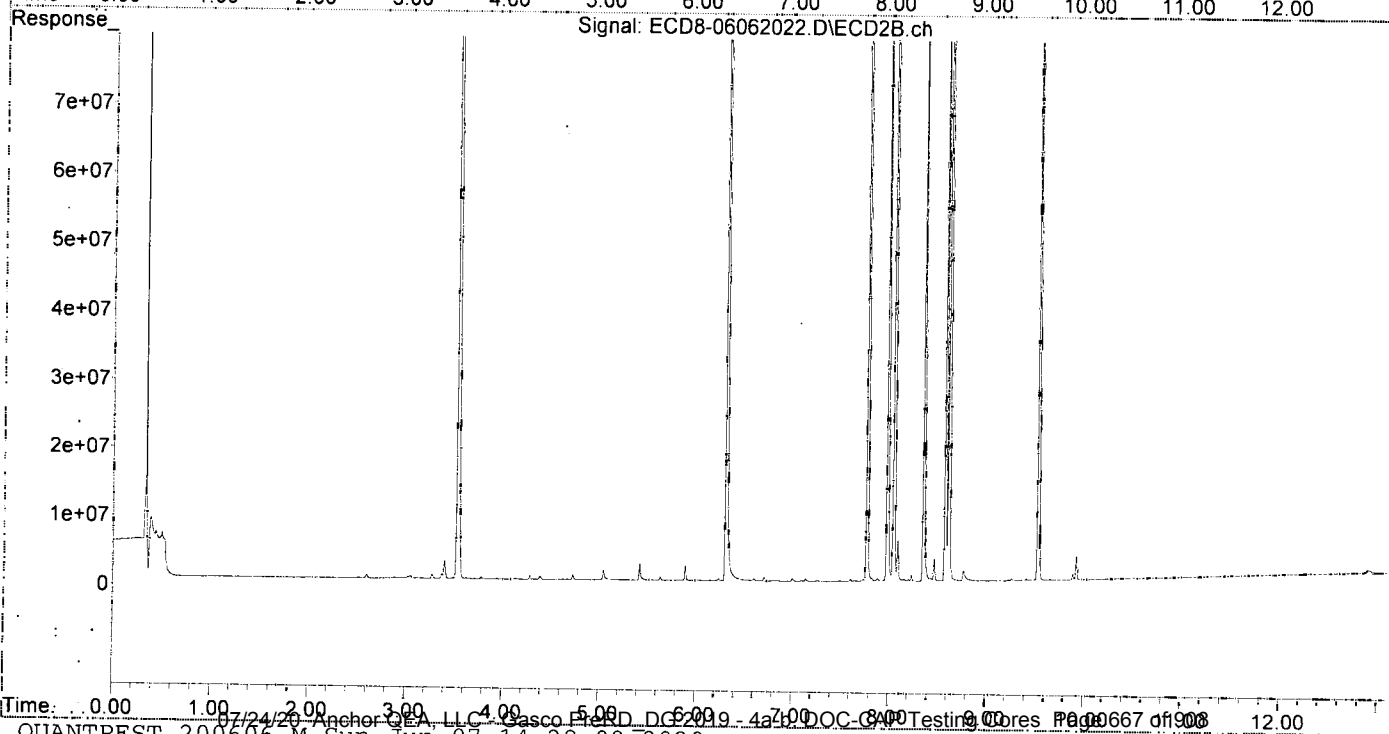
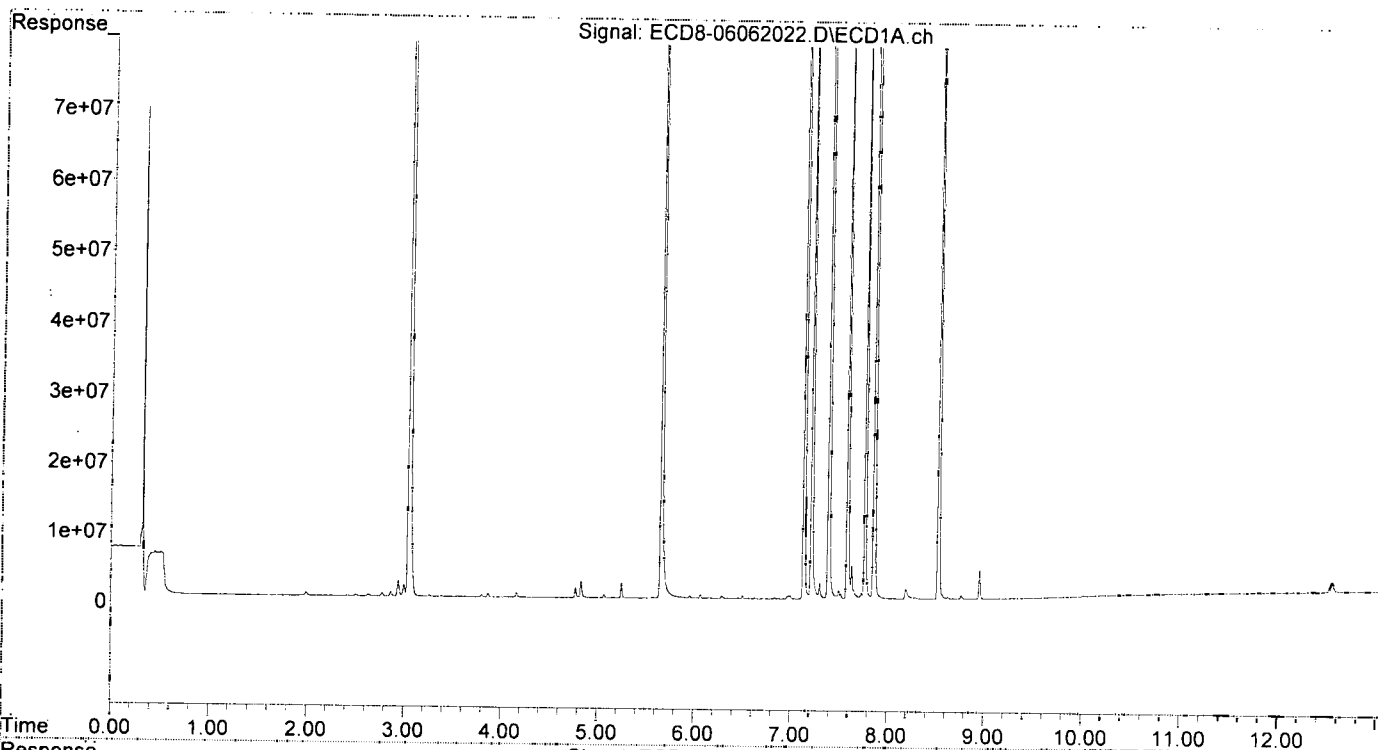
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 3.048 | 3.535 | 181.1E6 | 210.7E6 | 51.386 | 54.042 |
| 24) Hexachlor... | 5.656 | 6.313 | 160.0E6 | 159.2E6 | 52.418 | 58.225 |
| 25) Oxychlorane | 7.134 | 7.774 | 157.3E6 | 153.9E6 | 54.042 | 58.551 |
| 26) 2,4'-DDE | 7.214 | 7.983 | 112.8E6 | 115.7E6 | 51.968 | 58.613 |
| 27) trans-Non... | 7.391 | 8.050 | 177.0E6 | 168.3E6 | 53.052 | 54.810 |
| 28) 2,4'-DDD | 7.586 | 8.357 | 97515455 | 98432282 | 50.520 | 55.817 |
| 29) 2,4'-DDT | 7.768 | 8.581 | 99153199 | 104.0E6 | 53.300 | 58.492 |
| 30) cis-Nonac... | 7.861 | 8.617 | 194.0E6 | 189.8E6 | 54.435 | 57.688 |
| 31) Mirex | 8.527 | 9.536 | 121.8E6 | 111.5E6 | 53.016 | 54.662 |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:31
Operator : MJB
Sample : 0F06008-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:37:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 20:48
 Operator : MJB
 Sample : 0F06008-CALH
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:42:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:38:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

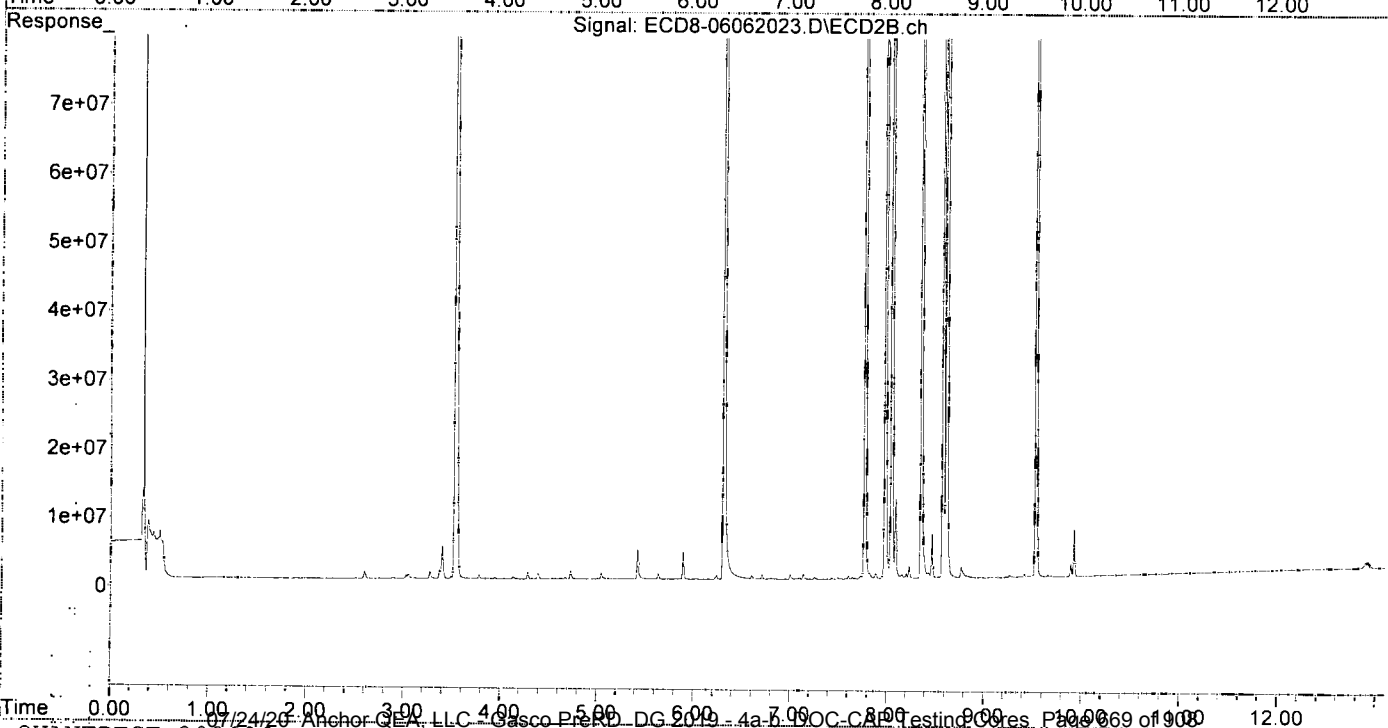
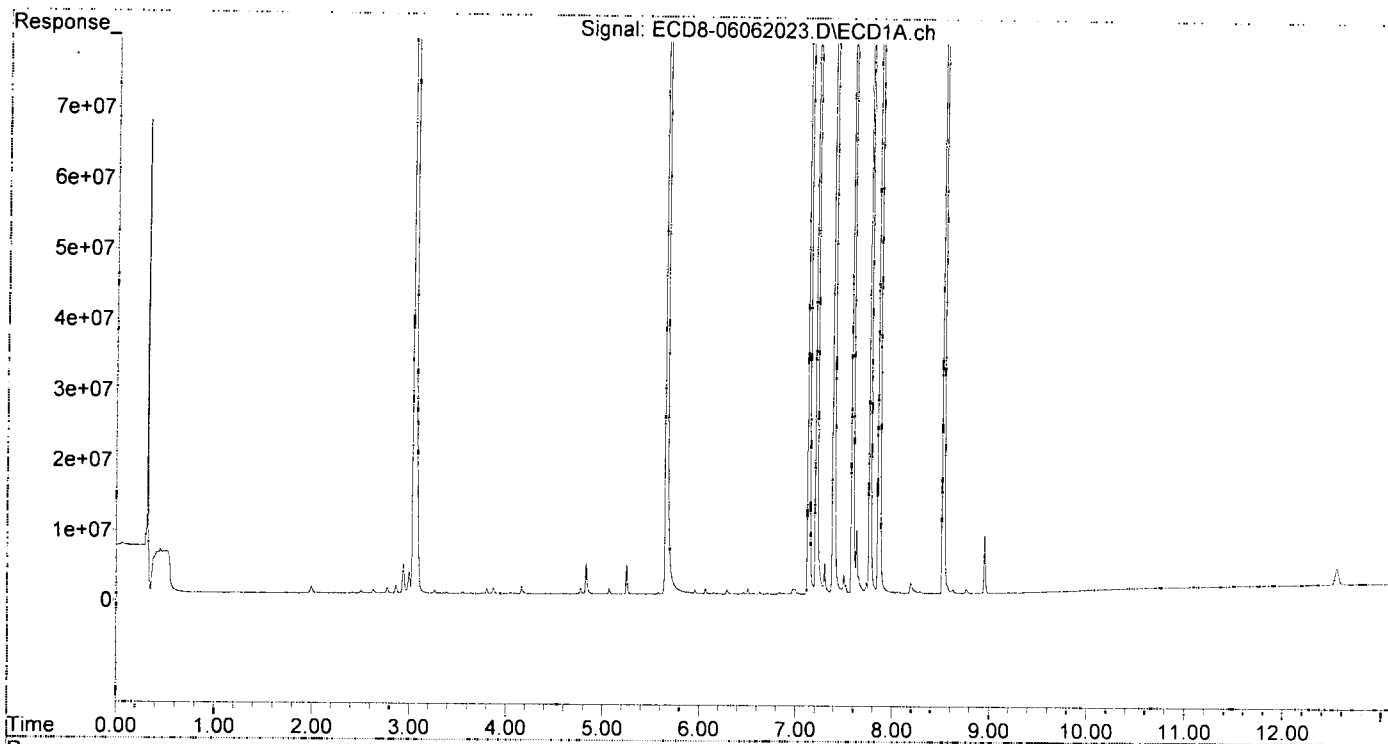
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 3.049 | 3.534 | 363.4E6 | 428.8E6 | 102.711 | 106.377 |
| 24) Hexachlor... | 5.657 | 6.313 | 328.0E6 | 337.8E6 | 105.145 | 114.467 |
| 25) Oxychlorane | 7.134 | 7.775 | 326.9E6 | 322.2E6 | 109.940 | 117.467 |
| 26) 2,4'-DDE | 7.213 | 7.983 | 231.3E6 | 247.4E6 | 106.591 | 118.001 |
| 27) trans-Non... | 7.391 | 8.050 | 366.4E6 | 358.6E6 | 107.149 | 110.900 |
| 28) 2,4'-DDD | 7.585 | 8.357 | 204.1E6 | 208.4E6 | 105.717 | 111.003 |
| 29) 2,4'-DDT | 7.768 | 8.581 | 208.6E6 | 230.9E6 | 112.139 | 118.194 |
| 30) cis-Nonac... | 7.861 | 8.617 | 396.8E6 | 394.5E6 | 109.143 | 111.769 |
| 31) Mirex | 8.527 | 9.536 | 244.0E6 | 238.4E6 | 104.881 | 113.990 |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:48
Operator : MJB
Sample : 0F06008-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:42:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 21:04
 Operator : MJB
 Sample : 0F06008-CALI
 Misc : A20C352, 9-42 200 ppb
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:42:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:38:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

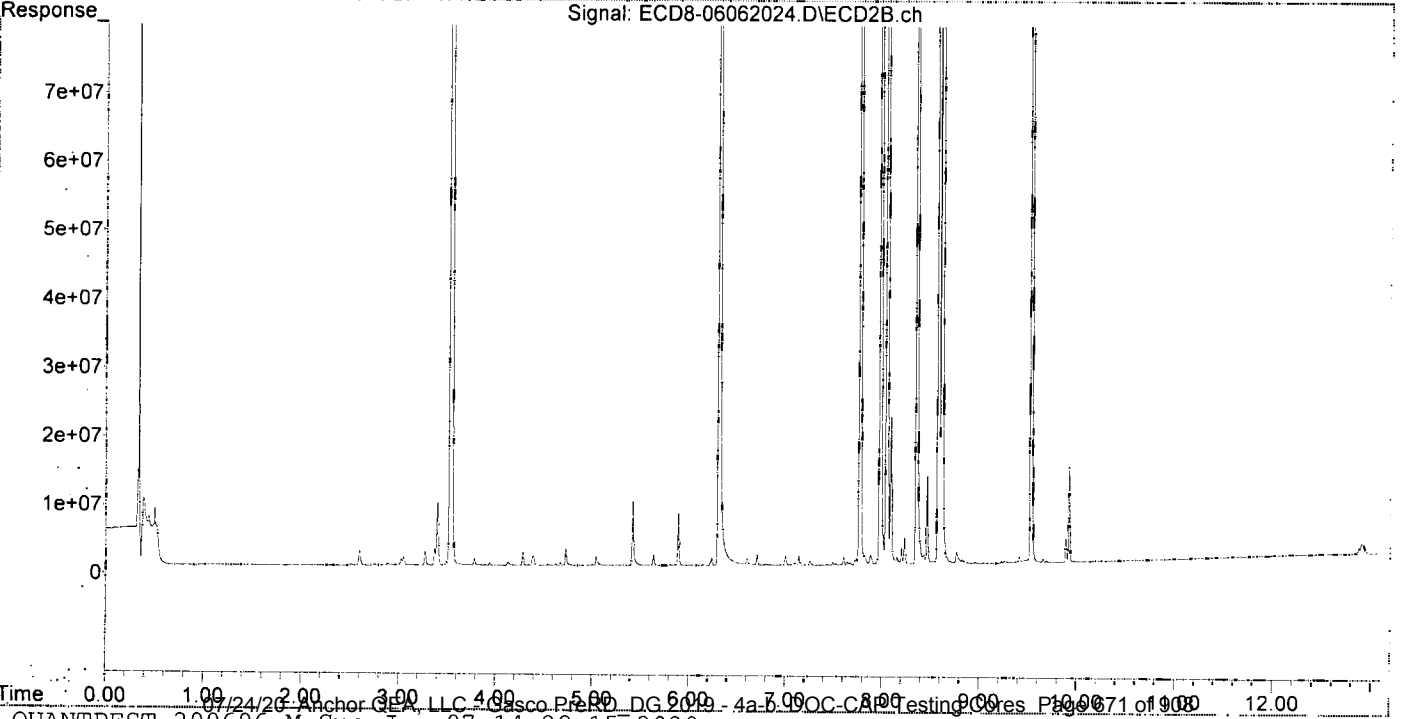
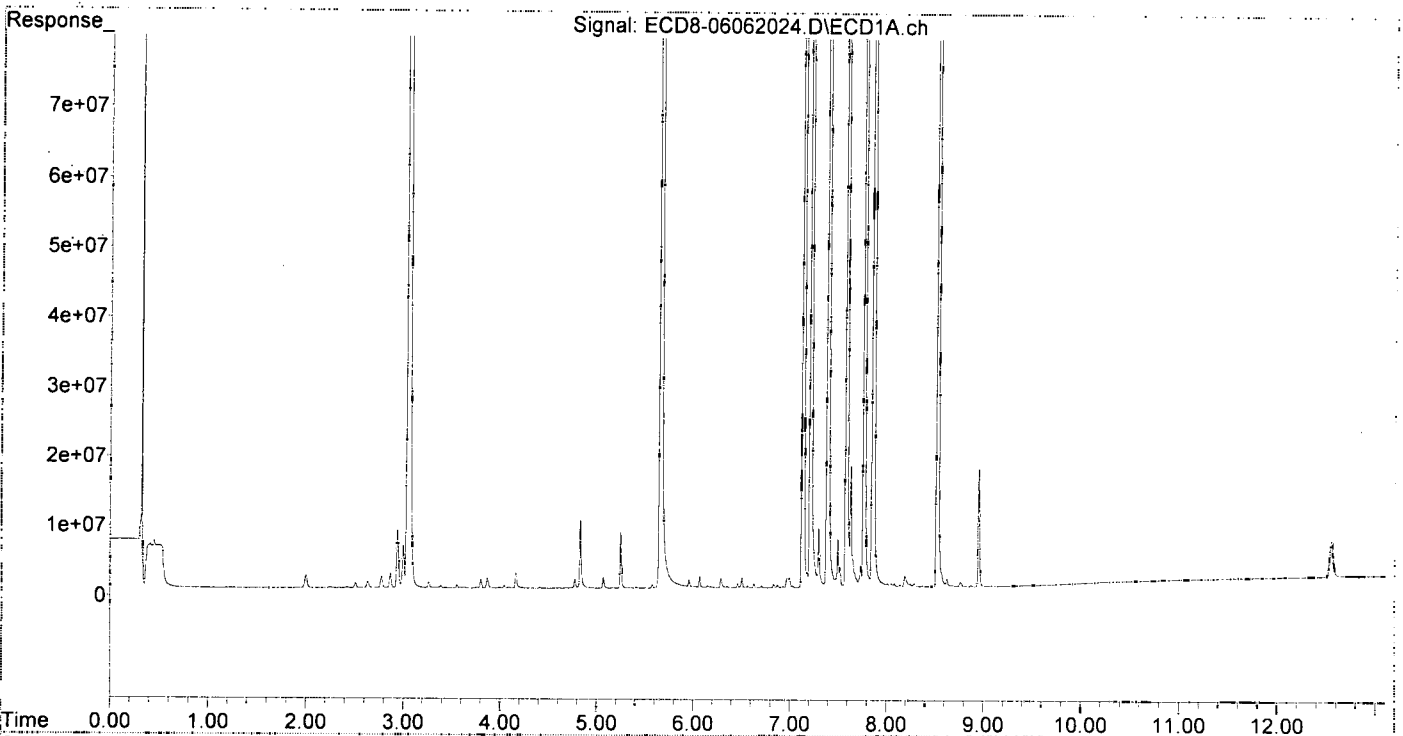
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 3.049 | 3.536 | 778.2E6 | 957.1E6 | 217.429 | 220.989 |
| 24) Hexachlor... | 5.657 | 6.313 | 684.1E6 | 729.6E6 | 209.725 | 217.550 |
| 25) Oxychlorane | 7.135 | 7.775 | 680.8E6 | 662.5E6 | 219.423 | 224.009 |
| 26) 2,4'-DDE | 7.213 | 7.983 | 484.6E6 | 523.6E6 | 223.322 | 225.465 |
| 27) trans-Non... | 7.391 | 8.050 | 736.3E6 | 736.7E6 | 205.656 | 208.832 |
| 28) 2,4'-DDD | 7.585 | 8.358 | 428.4E6 | 447.2E6 | 221.945 | 213.539 |
| 29) 2,4'-DDT | 7.768 | 8.582 | 431.1E6 | 495.5E6 | 231.791 | 219.612 |
| 30) cis-Nonac... | 7.862 | 8.618 | 807.5E6 | 857.8E6 | 213.567 | 214.743 |
| 31) Mirex | 8.528 | 9.537 | 503.2E6 | 486.1E6 | 210.187 | 221.297 |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:04
Operator : MJB
Sample : 0F06008-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:42:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 21:54
 Operator : MJB
 Sample : 0F06008-CALJ
 Misc : A20F083, CHLOR 10 ppb
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:44:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:44:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

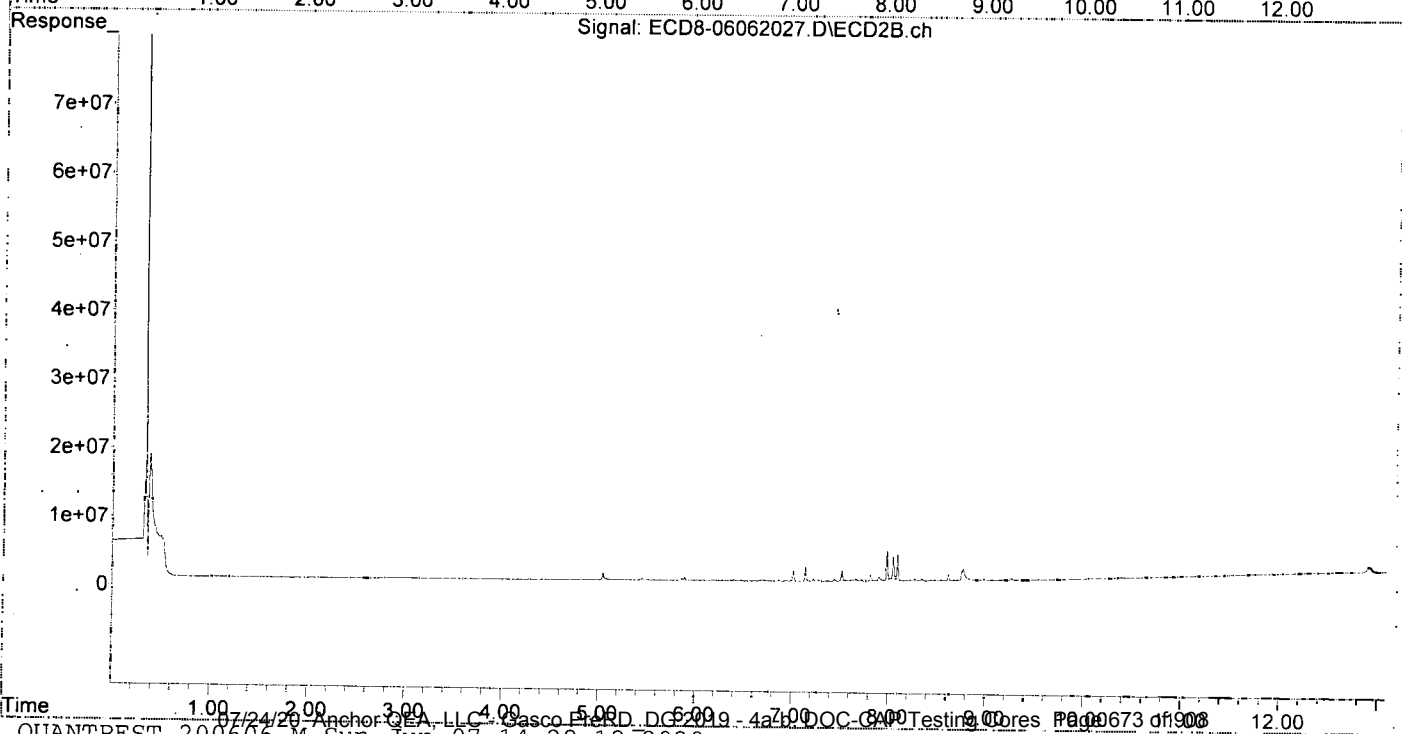
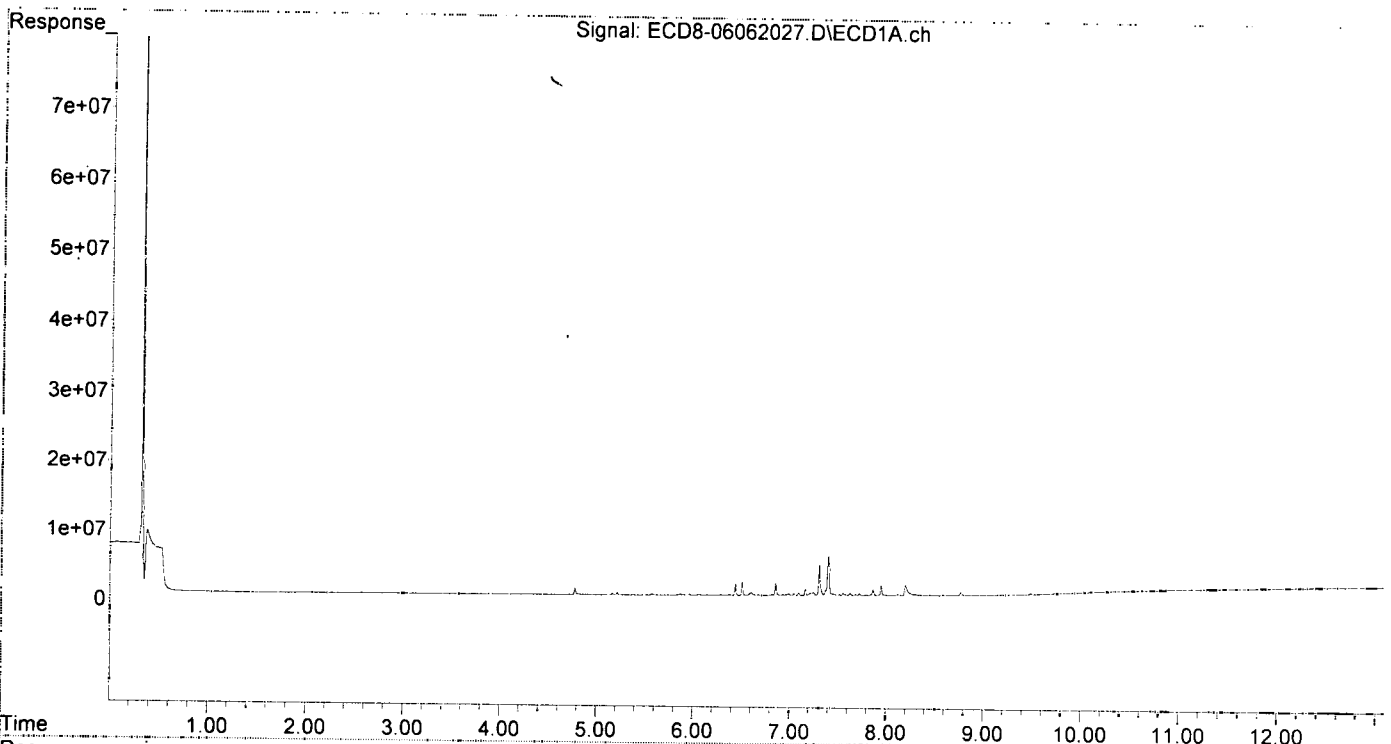
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|--------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | 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... | 7.304 | 7.986 | 4408504 | 4481852 | 11.246 | 11.214 |
| 33) Chlordane... | 7.398 | 8.094 | 5647776 | 3943445 | 12.553 | 11.767 |
| 34) Chlordane... | 7.945 | 8.757 | 1511798 | 1377635 | 12.382 | 4.731 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:54
Operator : MJB
Sample : 0F06008-CALJ
Misc : A20F083, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:44:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 22:11
 Operator : MJB
 Sample : 0F06008-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:45:16 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:44:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

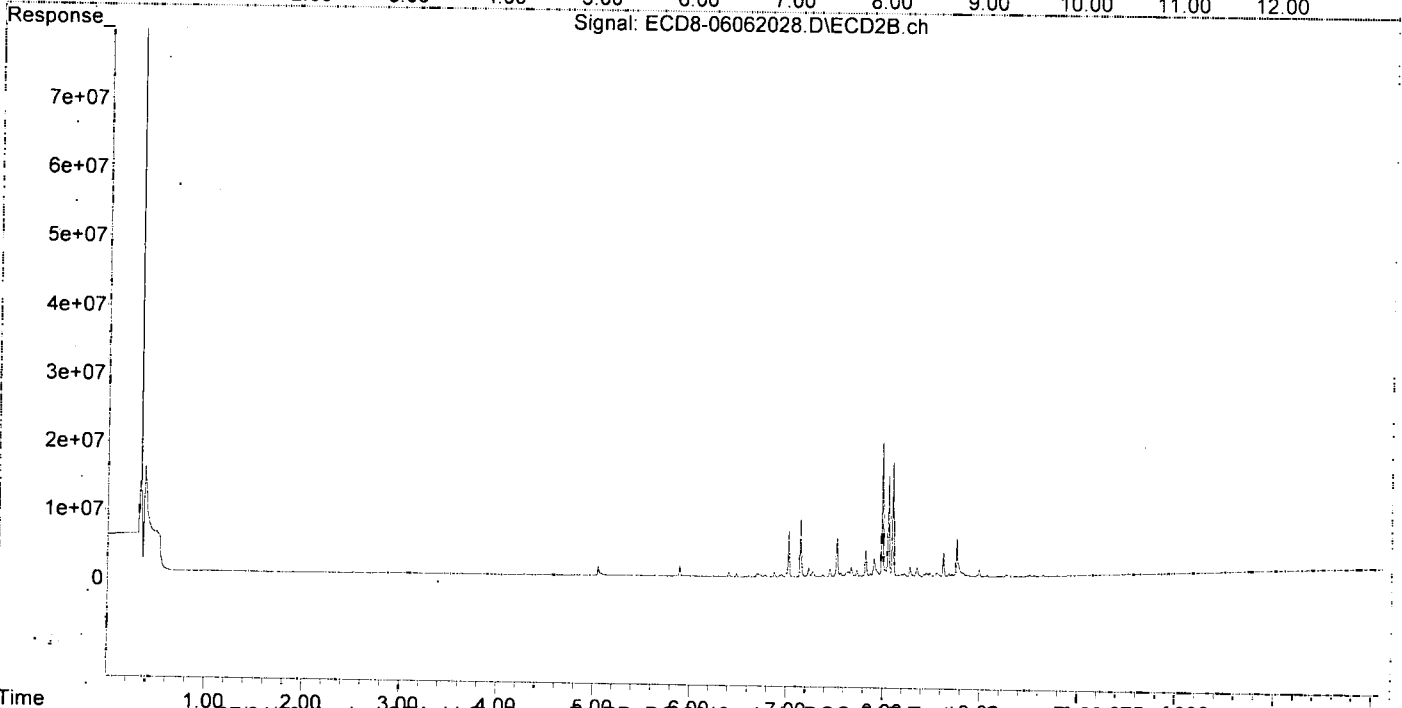
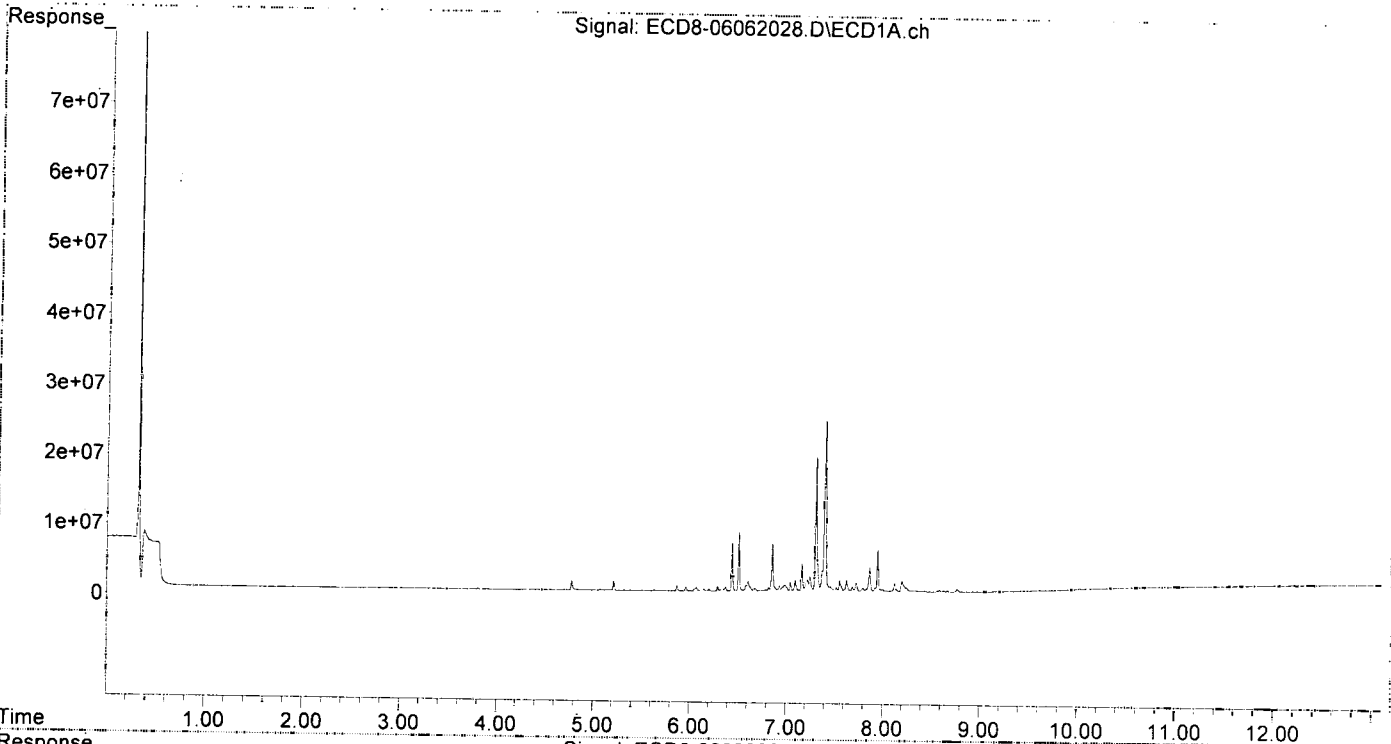
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 7.303 | 7.986 | 19274517 | 19500876 | 49.169 | 48.791 |
| 33) Chlordane... | 7.397 | 8.094 | 24399927 | 16595506 | 54.233 | 49.522 |
| 34) Chlordane... | 7.945 | 8.756 | 6029645 | 5527957 | 49.383 | 47.215 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:11
Operator : MJB
Sample : 0F06008-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:45:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 22:27
 Operator : MJB
 Sample : 0F06008-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:45:45 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD8
 QLast Update : Sun Jun 07 13:44:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

*MJB
6/12*

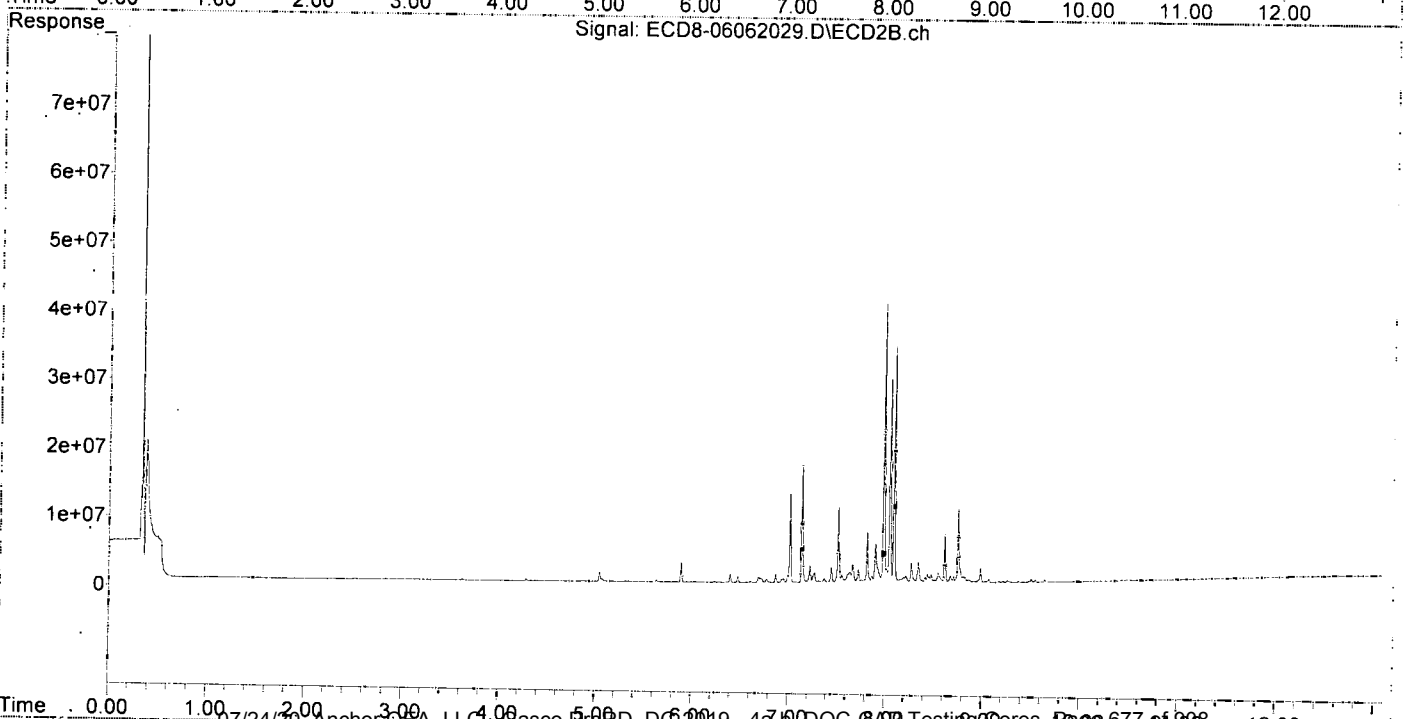
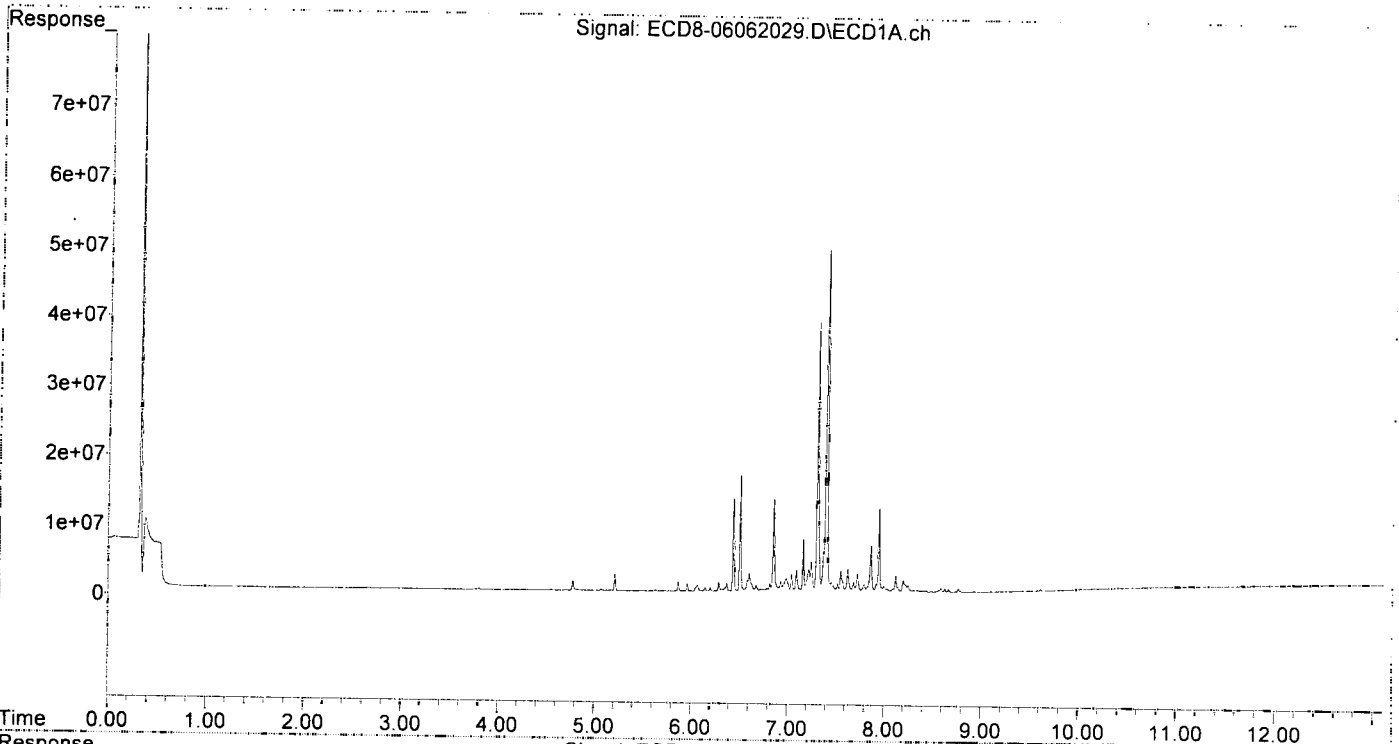
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|-------|----------|----------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 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... | 7.302 | 7.986 | 38729637 | 40348541 | 98.799 | 100.951 |
| 33) Chlordane... | 7.396 | 8.095 | 49198842 | 33994305 | 109.354 | 101.441 |
| 34) Chlordane... | 7.945 | 8.756 | 12071538 | 10878732 | 98.866 | 101.377 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:27
Operator : MJB
Sample : 0F06008-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:45:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 22:44
 Operator : MJB
 Sample : 0F06008-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:46:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD8
 QLast Update : Sun Jun 07 13:44:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJR
6/7/20

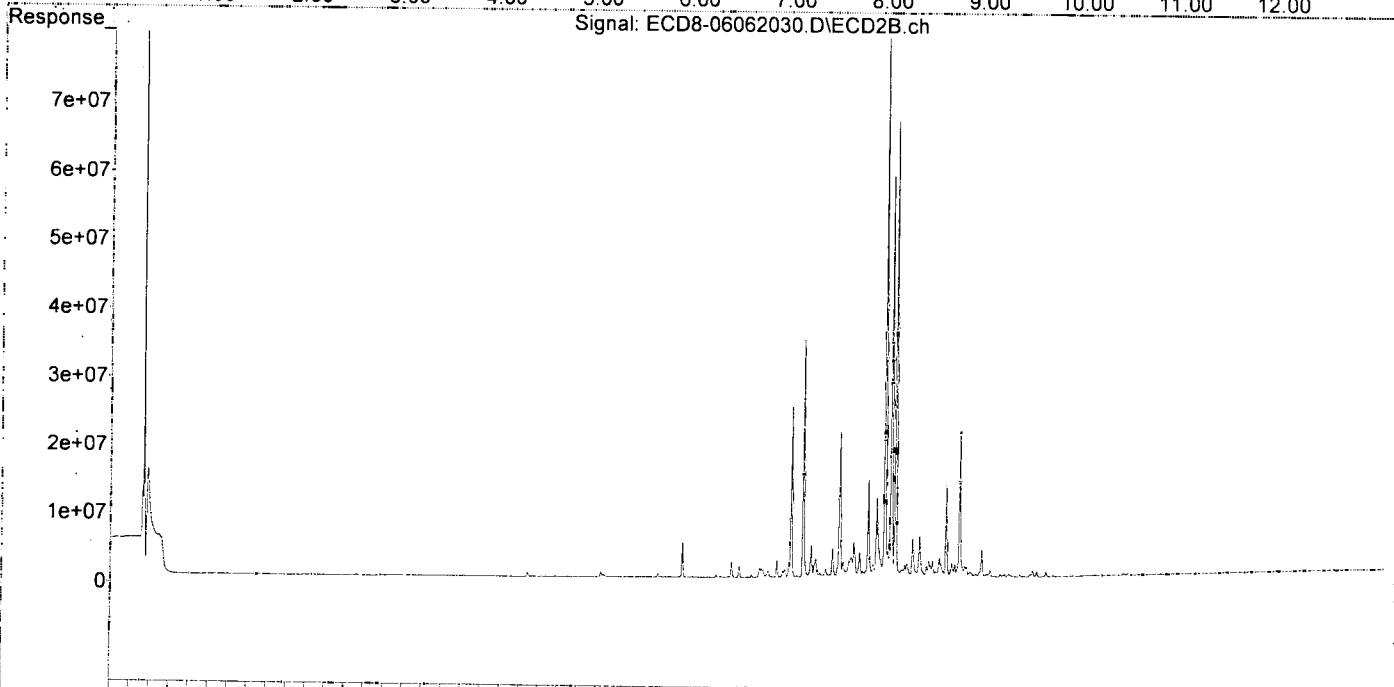
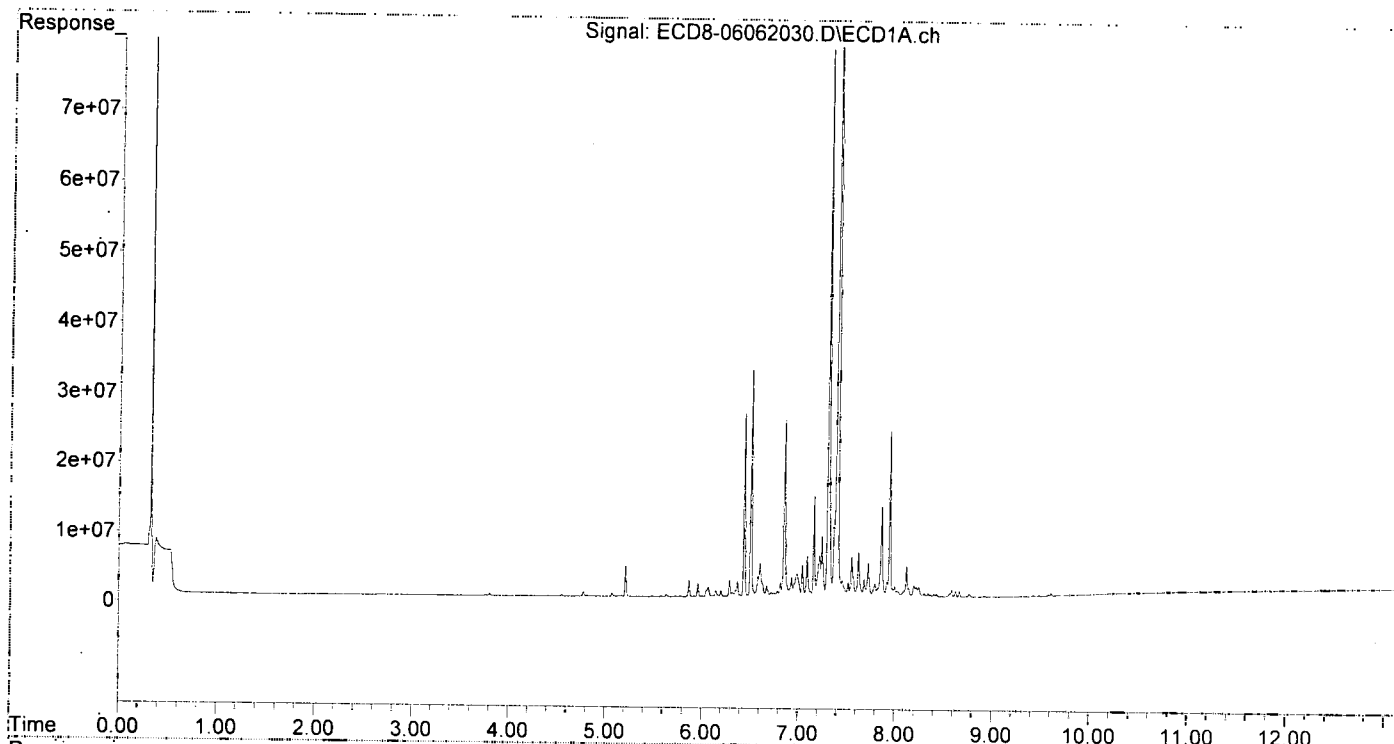
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 7.302 | 7.986 | 77948458 | 78897328 | 198.846 | 197.400 |
| 33) Chlordane... | 7.397 | 8.094 | 95290864 | 66157880 | 211.802 | 197.419 |
| 34) Chlordane... | 7.944 | 8.756 | 23847628 | 21056652 | 195.313 | 202.582 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:44
Operator : MJB
Sample : 0F06008-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:46:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 23:00
 Operator : MJB
 Sample : 0F06008-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:43:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 Last Update : Sun Jun 07 13:38:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

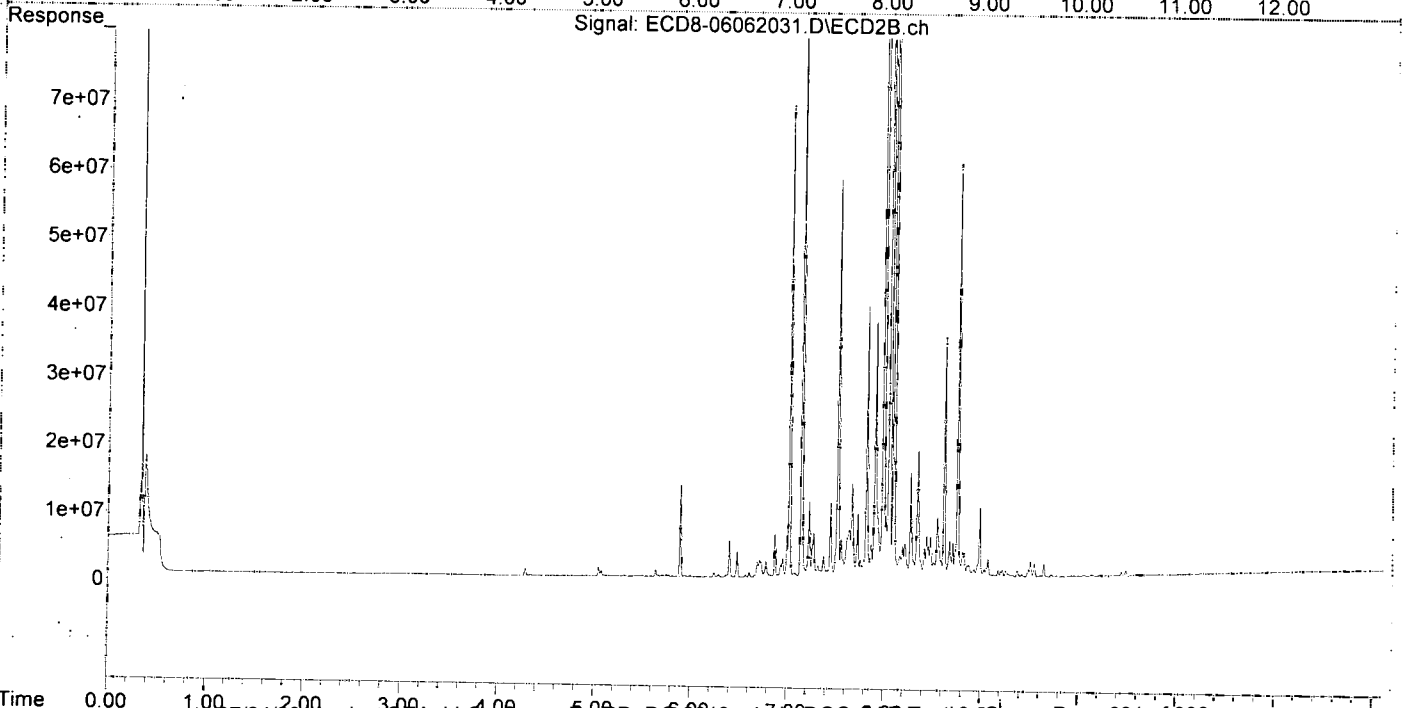
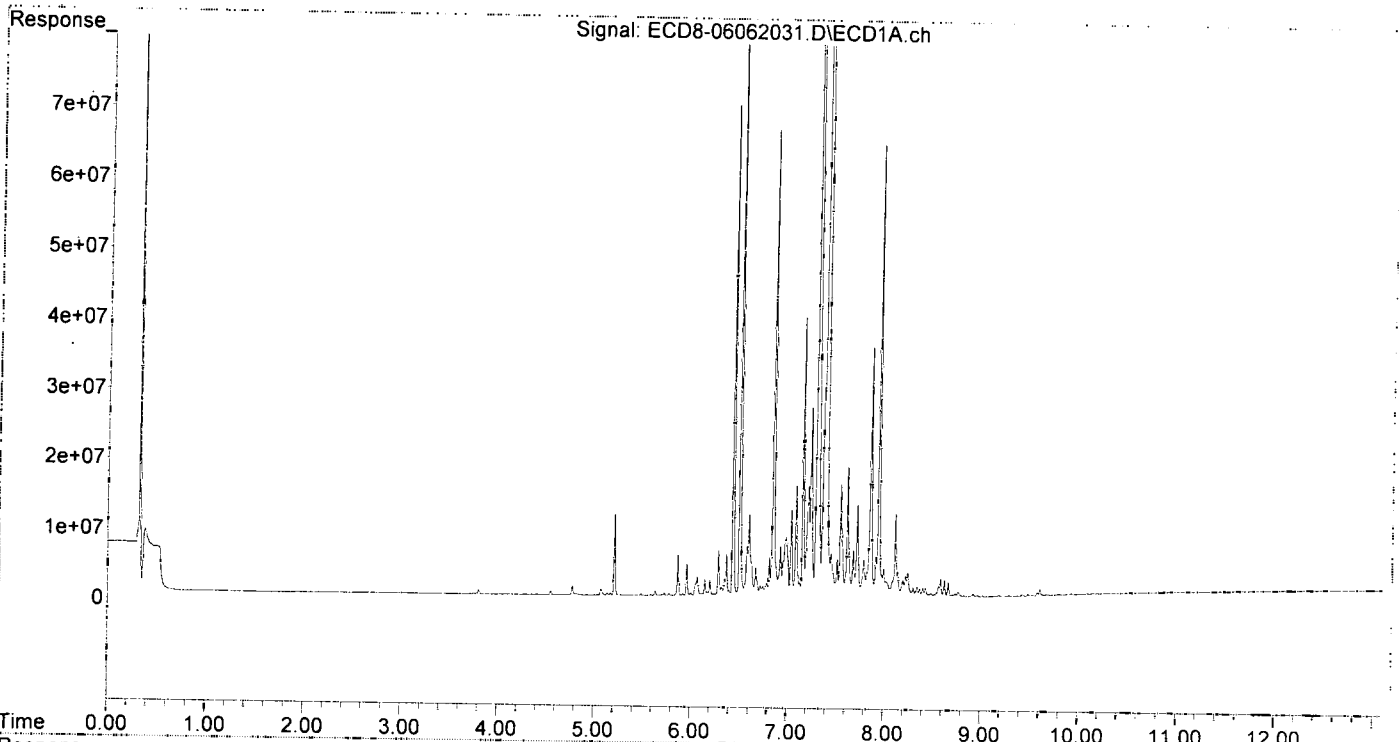
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 7.302 | 7.986 | 208.7E6 | 224.0E6 | 532.329 | 560.383 |
| 33) Chlordane... | 7.396 | 8.094 | 257.4E6 | 183.0E6 | 572.190 | 545.953 |
| 34) Chlordane... | 7.944 | 8.756 | 64272968 | 59826712 | 526.397 | 568.678 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:00
Operator : MJB
Sample : 0F06008-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:43:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 23:17
 Operator : MJB
 Sample : 0F06008-CALO
 Misc : A20F061, CHLOR 1000 ppb
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:46:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:44:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

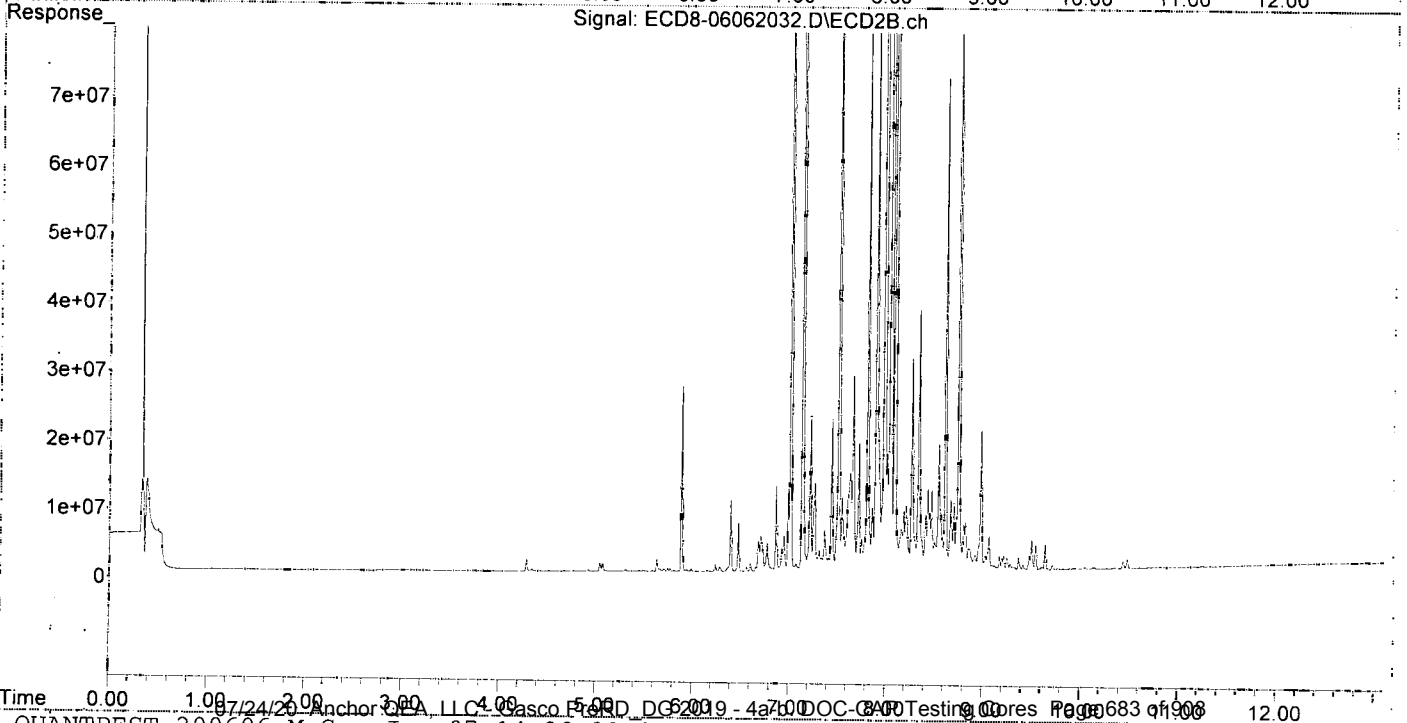
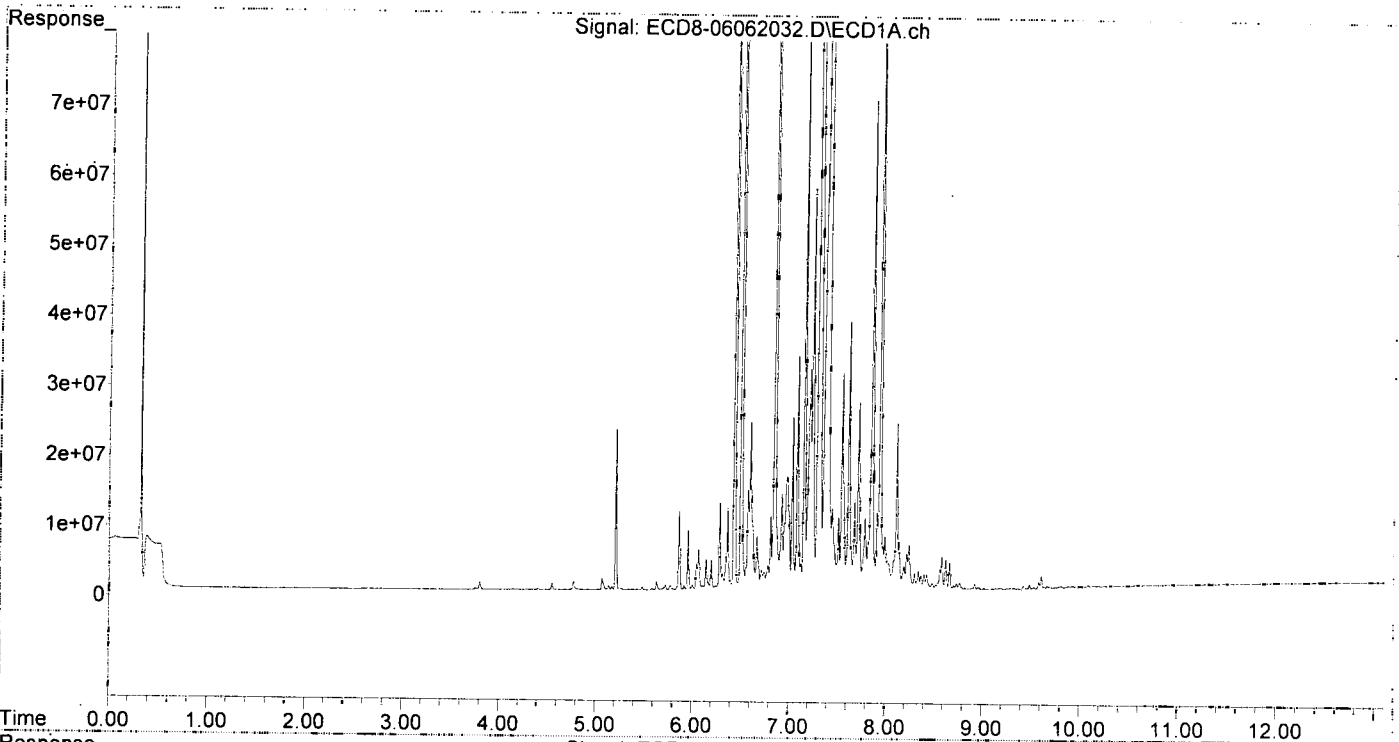
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 7.302 | 7.985 | 425.4E6 | 464.6E6 | 1085.103 | 1162.428 |
| 33) Chlordane... | 7.396 | 8.094 | 521.6E6 | 384.4E6 | 1159.332 | 1147.030 |
| 34) Chlordane... | 7.944 | 8.755 | 129.4E6 | 121.8E6 | 1059.928 | 1102.517 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:17
Operator : MJB
Sample : 0F06008-CALO
Misc : A20F061, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:46:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Jun 2020 23:33
 Operator : MJB
 Sample : 0F06008-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:47:12 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:44:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/17/20

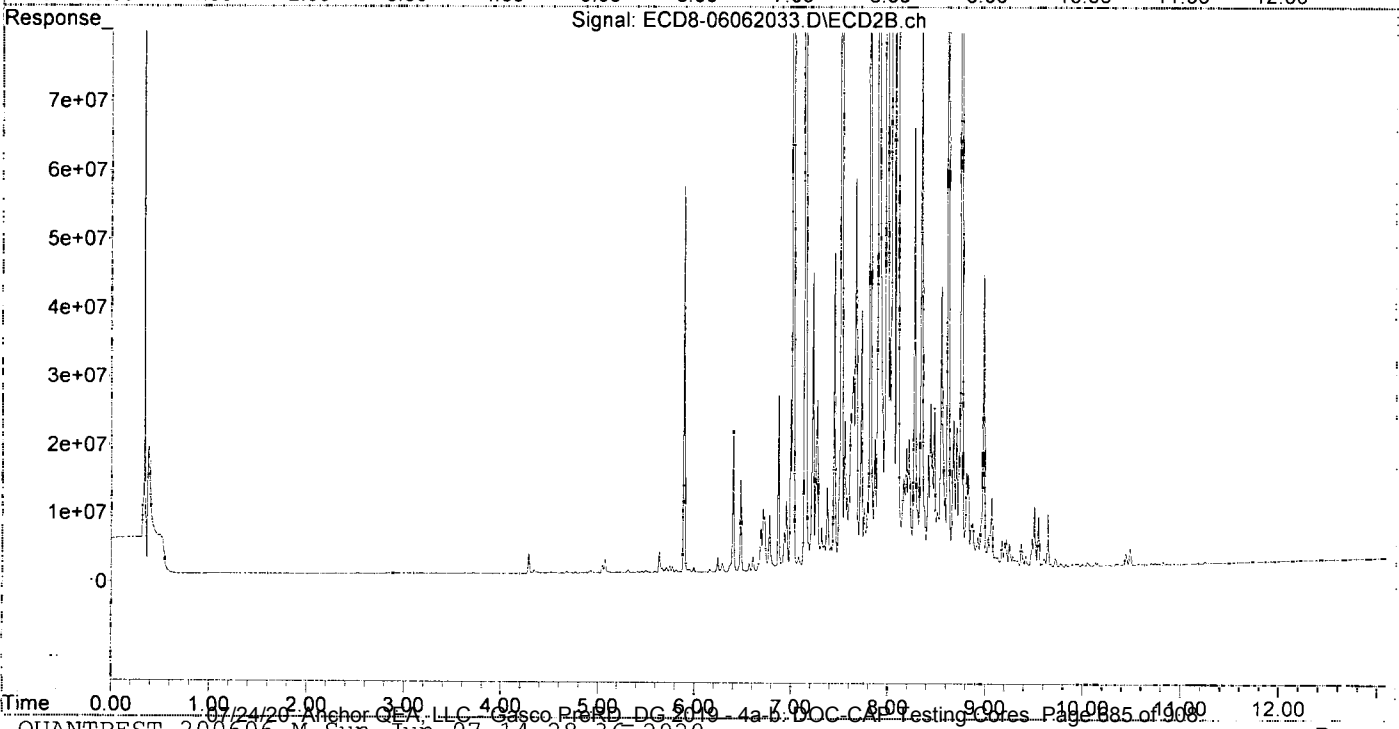
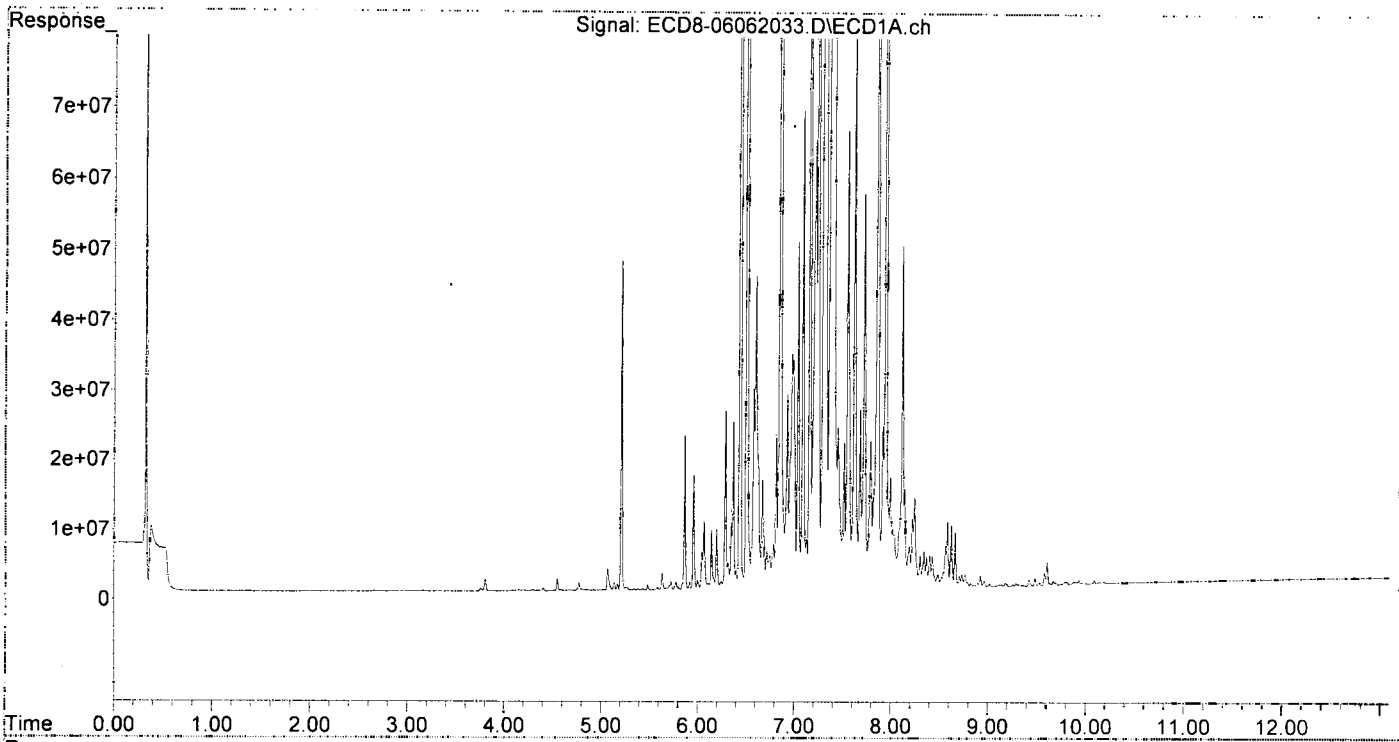
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|---------|----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) 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... | 7.301 | 7.985 | 890.7E6 | 966.5E6 | 2272.270 | 2418.274 |
| 33) Chlordane... | 7.397 | 8.094 | 1087.7E6 | 813.2E6 | 2417.576 | 2426.723 |
| 34) Chlordane... | 7.943 | 8.755 | 270.5E6 | 262.1E6 | 2215.457 | 2147.399 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:33
Operator : MJB
Sample : 0F06008-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:47:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 00:23
 Operator : MJB
 Sample : 0F06008-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:49:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:49:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

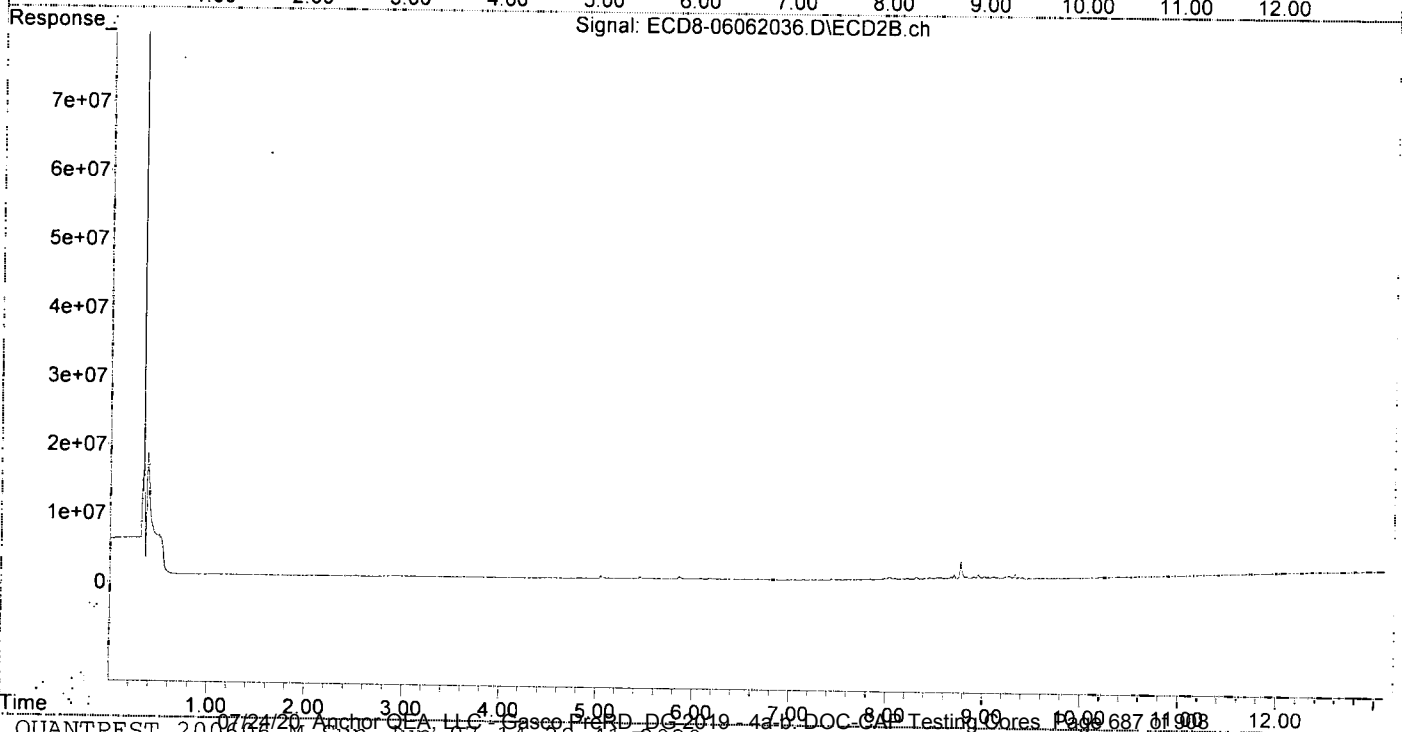
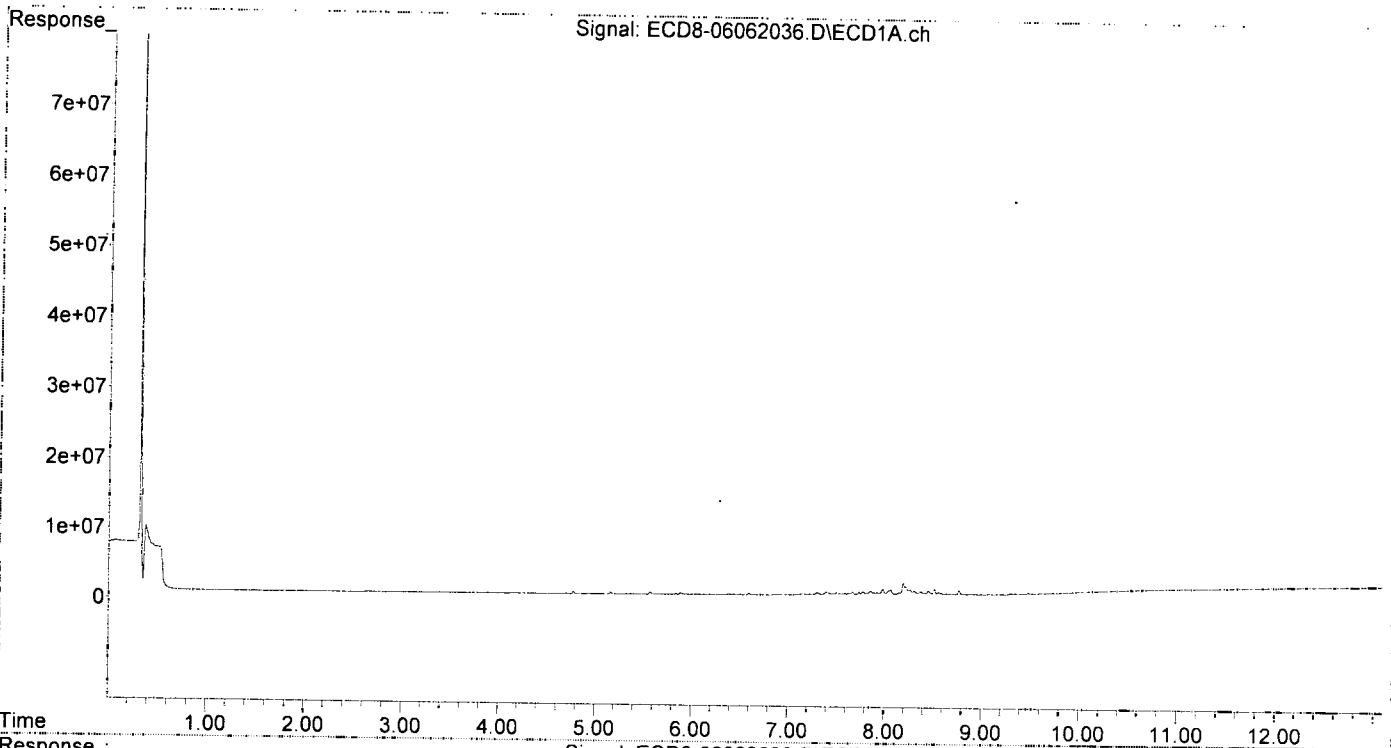
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|---------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 7.380 | 8.324 | 223232 | 372544 | 14.212m | 12.708 |
| 37) Toxaphene... | 7.671 | 8.673 | 428322 | 454972 | 13.828 | 12.326 |
| 38) Toxaphene... | 7.982 | 8.706 | 866733 | 737338 | 13.096 | 12.482 |
| 39) Toxaphene... | 8.222 | 8.773 | 1188909 | 2581320 | 12.745 | 17.459 # |
| 40) Toxaphene... | 8.450 | 8.953 | 599046 | 696424 | 12.706 | 12.969 |
| 41) Toxaphene... | 8.516 | 9.331 | 860734 | 742472 | 12.830 | 12.430 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

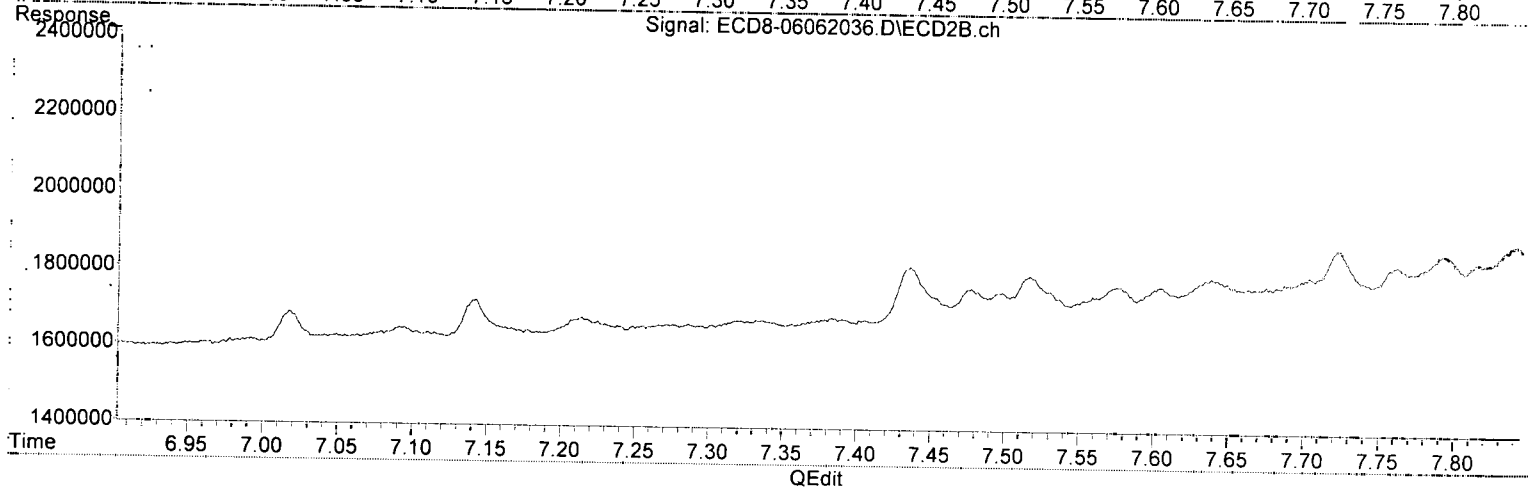
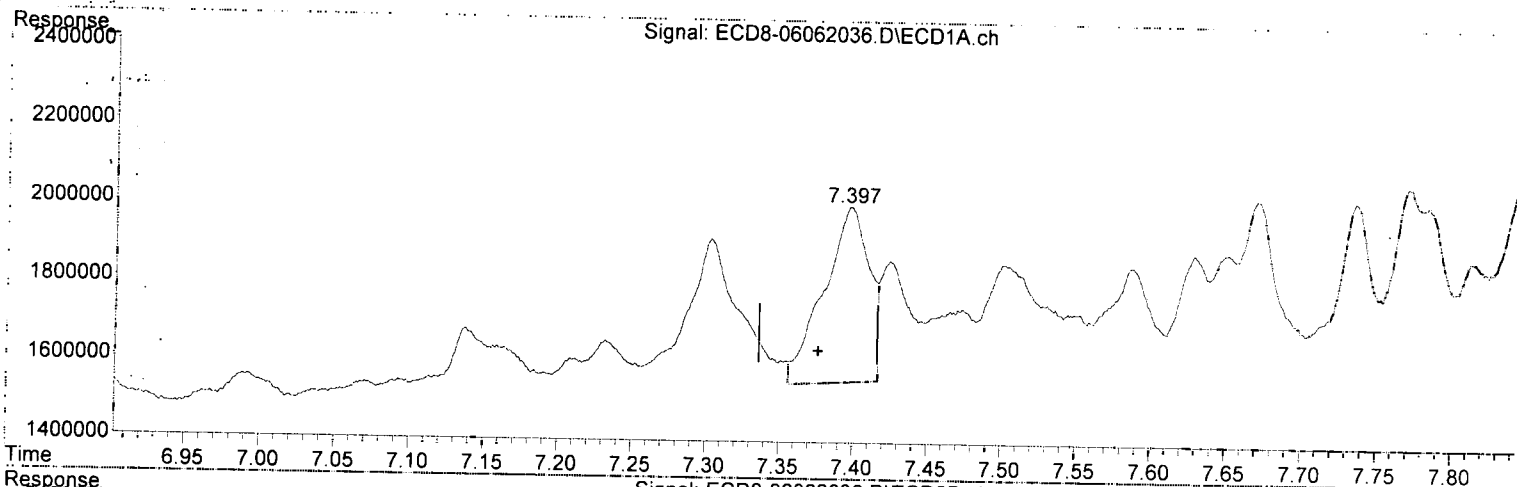
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:49:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:49:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualeCD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



(36) Toxaphene (1)
7.397min 28.308 ng/mL
response 444632

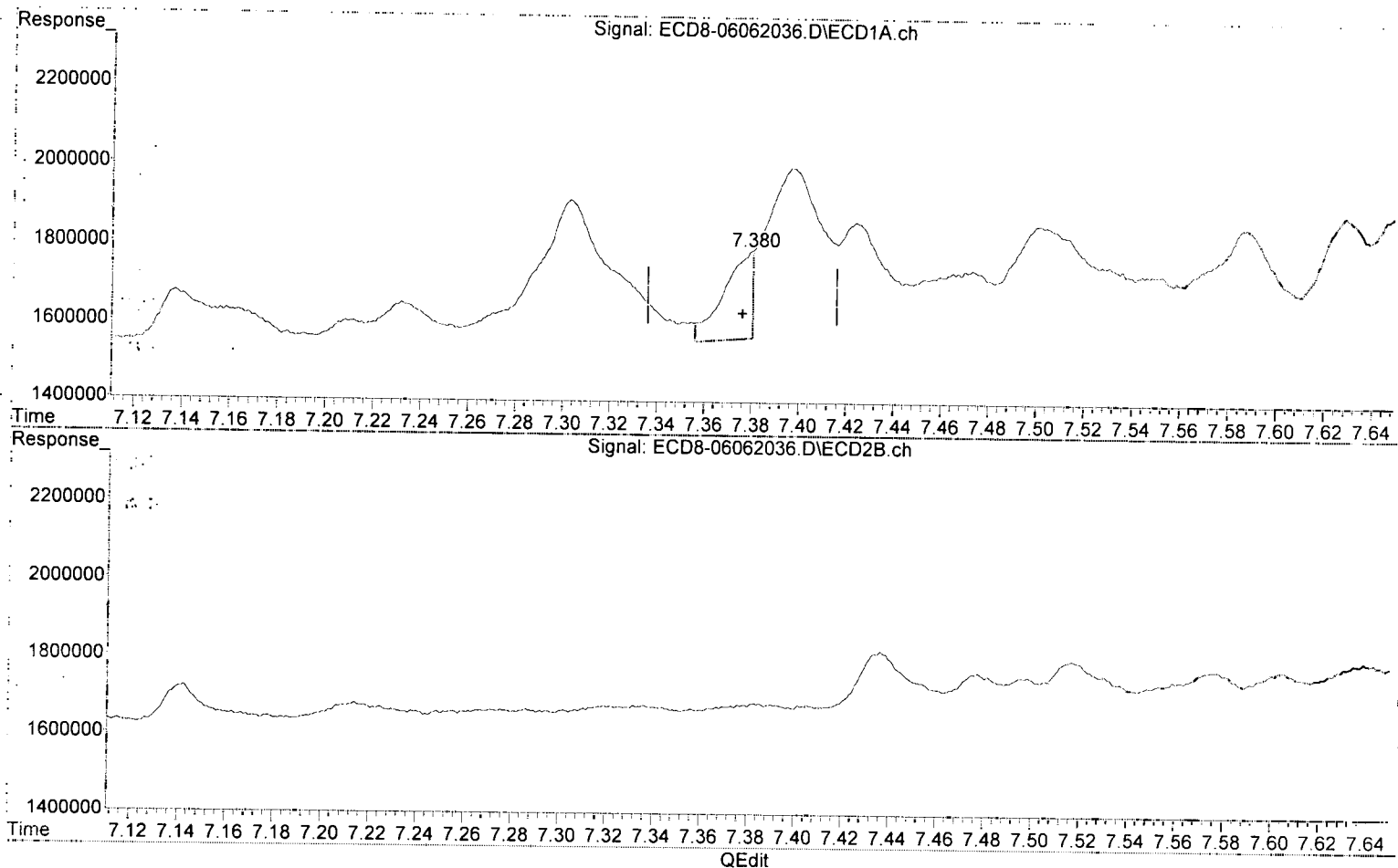
MJB
6/12/20

(36) Toxaphene (1) #2
8.324min 12.708 ng/mL
response 372544

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 00:23
 Operator : MJB
 Sample : 0F06008-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:49:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:49:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation



(36) Toxaphene (1)
 7.380min 14.212 ng/mL (m)
 response 223232

MJB
 6/7/20

(36) Toxaphene (1) #2
 8.324min 12.708 ng/mL
 response 372544

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 00:23
 Operator : MJB
 Sample : 0F06008-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:49:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:49:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

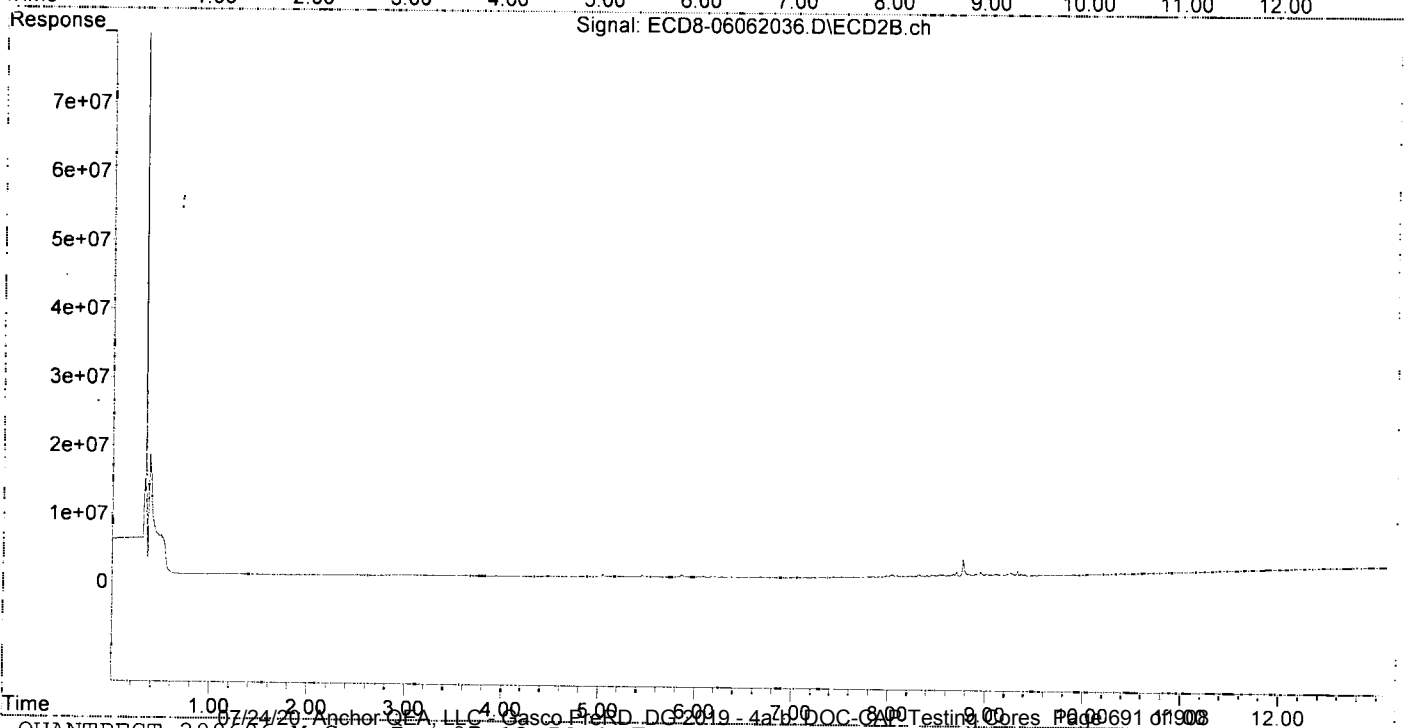
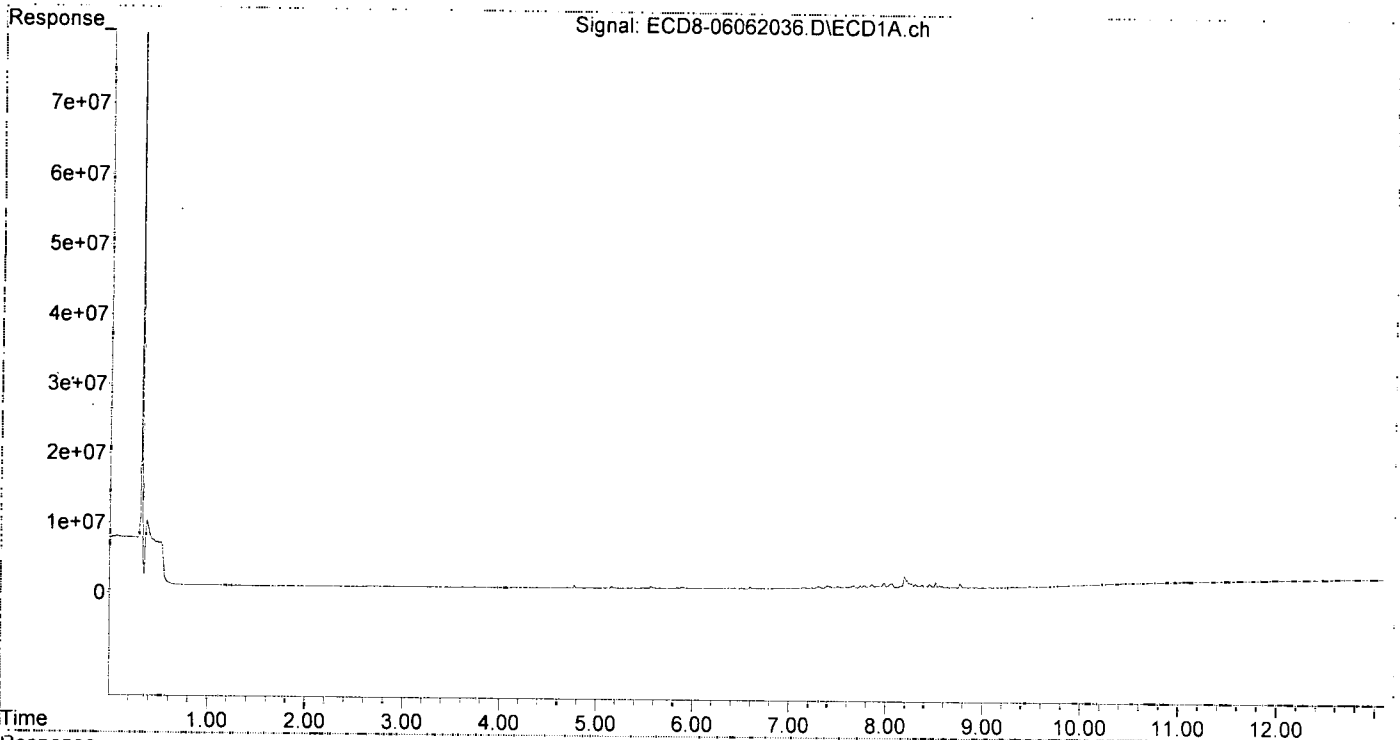
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|-------|---------|---------|--------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 7.397f | 8.324 | 444632 | 372544 | 28.308 | 12.708 # |
| 37) Toxaphene... | 7.671 | 8.673 | 428322 | 454972 | 13.828 | 12.326 |
| 38) Toxaphene... | 7.982 | 8.706 | 866733 | 737338 | 13.096 | 12.482 |
| 39) Toxaphene... | 8.222 | 8.773 | 1188909 | 2581320 | 12.745 | 17.459 # |
| 40) Toxaphene... | 8.450 | 8.953 | 599046 | 696424 | 12.706 | 12.969 |
| 41) Toxaphene... | 8.516 | 9.331 | 860734 | 742472 | 12.830 | 12.430 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:49:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 00:39
 Operator : MJB
 Sample : 0F06008-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:50:45 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:49:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

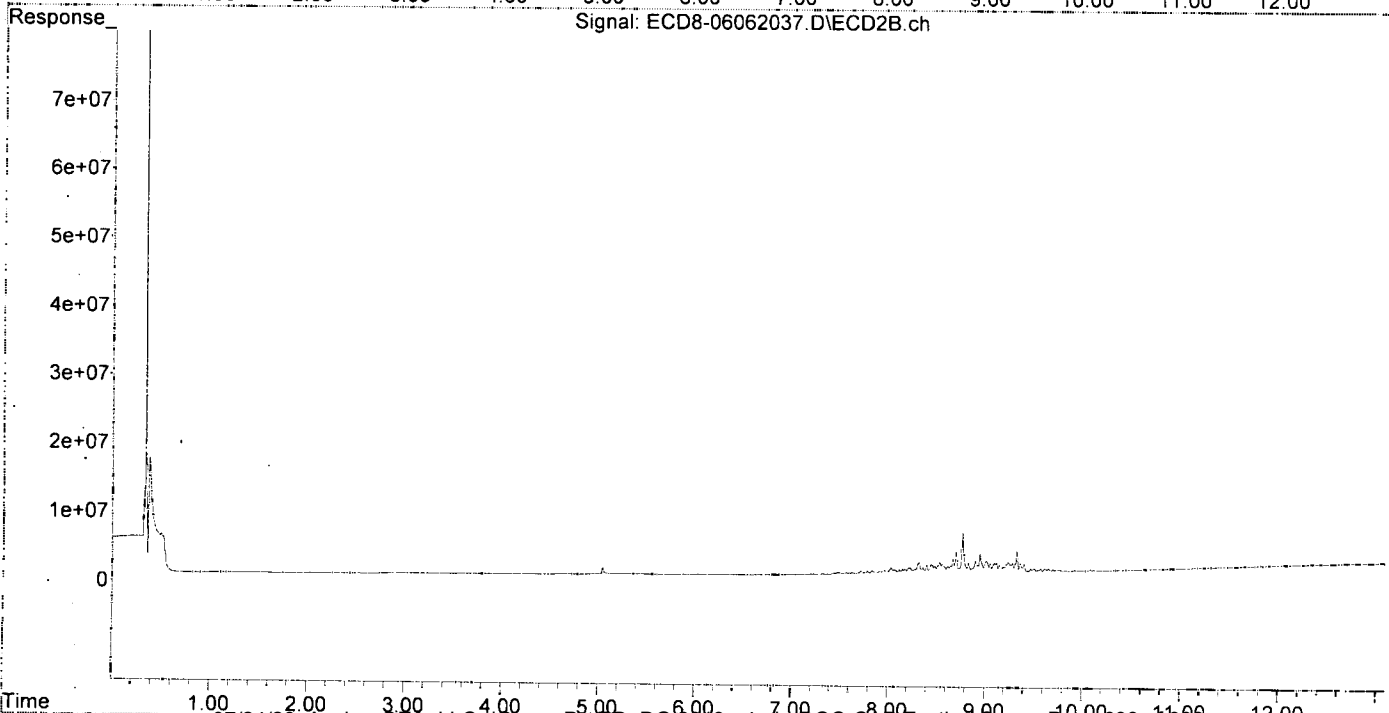
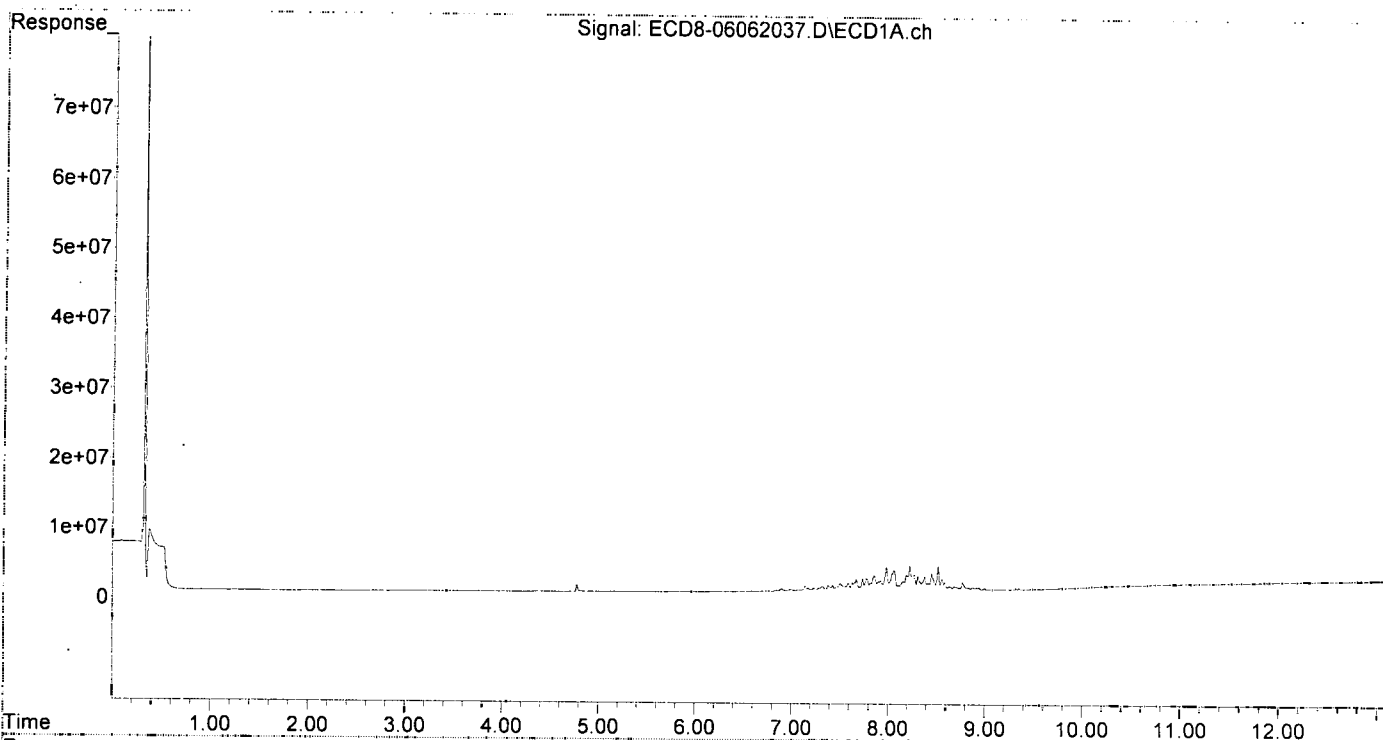
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | 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... | 7.377 | 8.324 | 867007 | 1668991 | 55.198 | 56.930 |
| 37) Toxaphene... | 7.671 | 8.673 | 1751397 | 2027364 | 56.541 | 54.925 |
| 38) Toxaphene... | 7.982 | 8.706 | 3429819 | 3049566 | 51.823 | 51.625 |
| 39) Toxaphene... | 8.223 | 8.773 | 3584023 | 5845916 | 52.176 | 56.488 |
| 40) Toxaphene... | 8.450 | 8.952 | 2442896 | 2698078 | 49.617 | 50.245 |
| 41) Toxaphene... | 8.517 | 9.330 | 3477197 | 3021892 | 51.829 | 50.592 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:39
Operator : MJB
Sample : 0F06008-CALR
Misc : A20F064, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:50:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 00:56
 Operator : MJB
 Sample : 0F06008-CALS
 Misc : A20F065, TOX 100 ppb
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:51:18 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:49:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

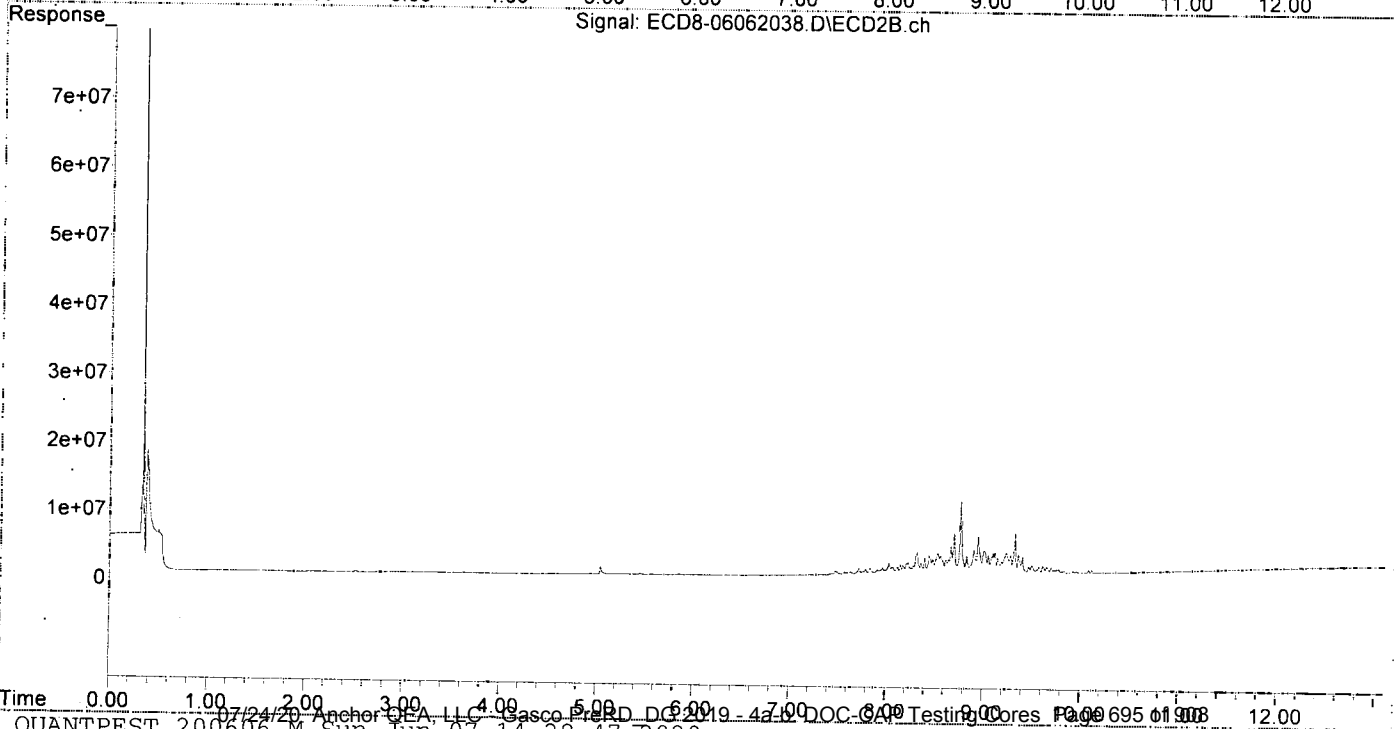
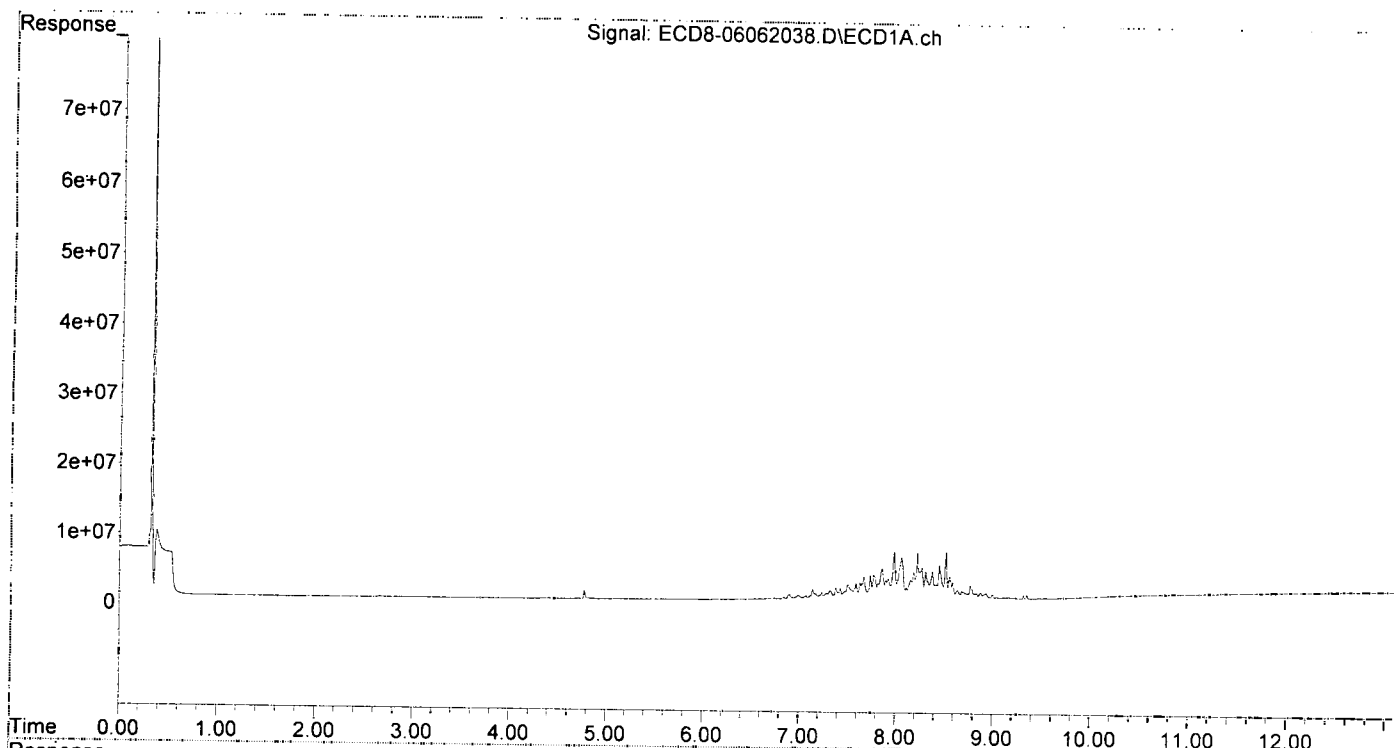
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 7.378 | 8.323 | 1661660 | 3187485 | 105.790 | 108.726 |
| 37) Toxaphene... | 7.670 | 8.672 | 3335225 | 4059174 | 107.672 | 109.971 |
| 38) Toxaphene... | 7.981 | 8.706 | 6846475 | 5827857 | 103.448 | 98.658 |
| 39) Toxaphene... | 8.222 | 8.773 | 6690852 | 10563005 | 102.955 | 112.175 |
| 40) Toxaphene... | 8.449 | 8.952 | 4962066 | 5383300 | 99.608 | 100.251 |
| 41) Toxaphene... | 8.516 | 9.330 | 6835641 | 5801758 | 101.888 | 97.132 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:56
Operator : MJB
Sample : 0F06008-CALS
Misc : A20F065, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:51:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 1:12
 Operator : MJB
 Sample : 0F06008-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:51:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:49:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/17/20

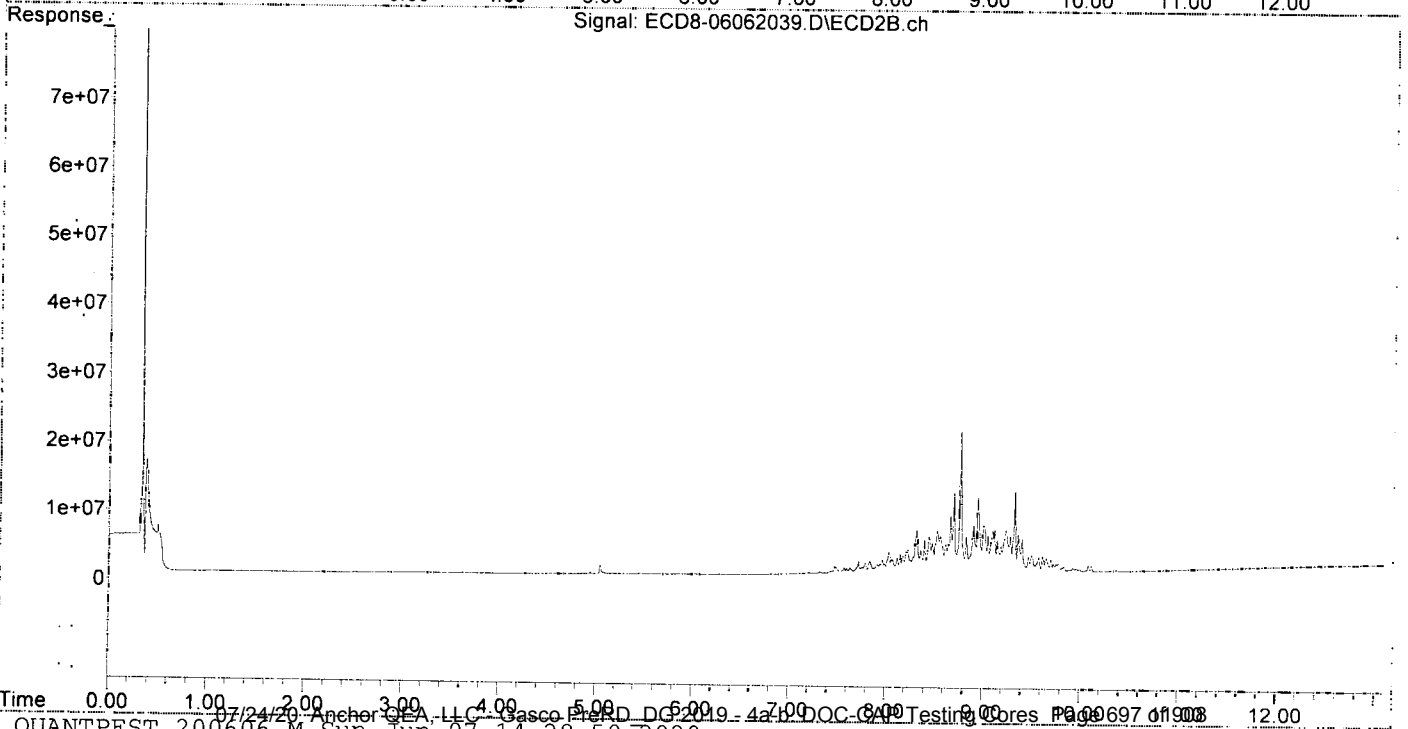
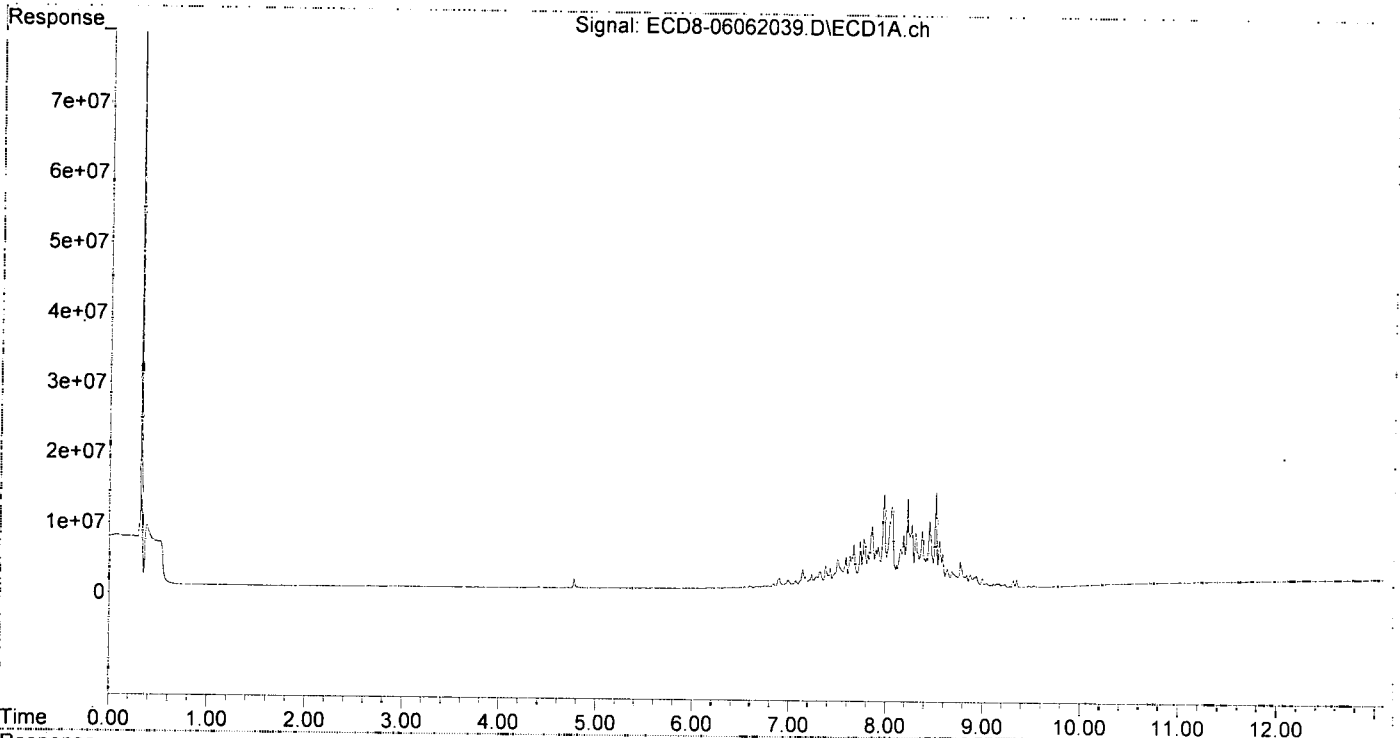
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) 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... | 7.376 | 8.323 | 3191894 | 6174593 | 203.212 | 210.617 |
| 37) Toxaphene... | 7.670 | 8.672 | 6236956 | 8120804 | 201.350 | 220.009 |
| 38) Toxaphene... | 7.980 | 8.705 | 13382025 | 11658085 | 202.198 | 197.356 |
| 39) Toxaphene... | 8.223 | 8.773 | 12821813 | 20436846 | 201.970 | 226.185 |
| 40) Toxaphene... | 8.449 | 8.952 | 9567302 | 10785883 | 189.731 | 200.862 |
| 41) Toxaphene... | 8.516 | 9.330 | 13660201 | 11724043 | 203.611 | 196.281 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:12
Operator : MJB
Sample : 0F06008-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:51:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 1:29
 Operator : MJB
 Sample : 0F06008-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:48:37 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:44:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

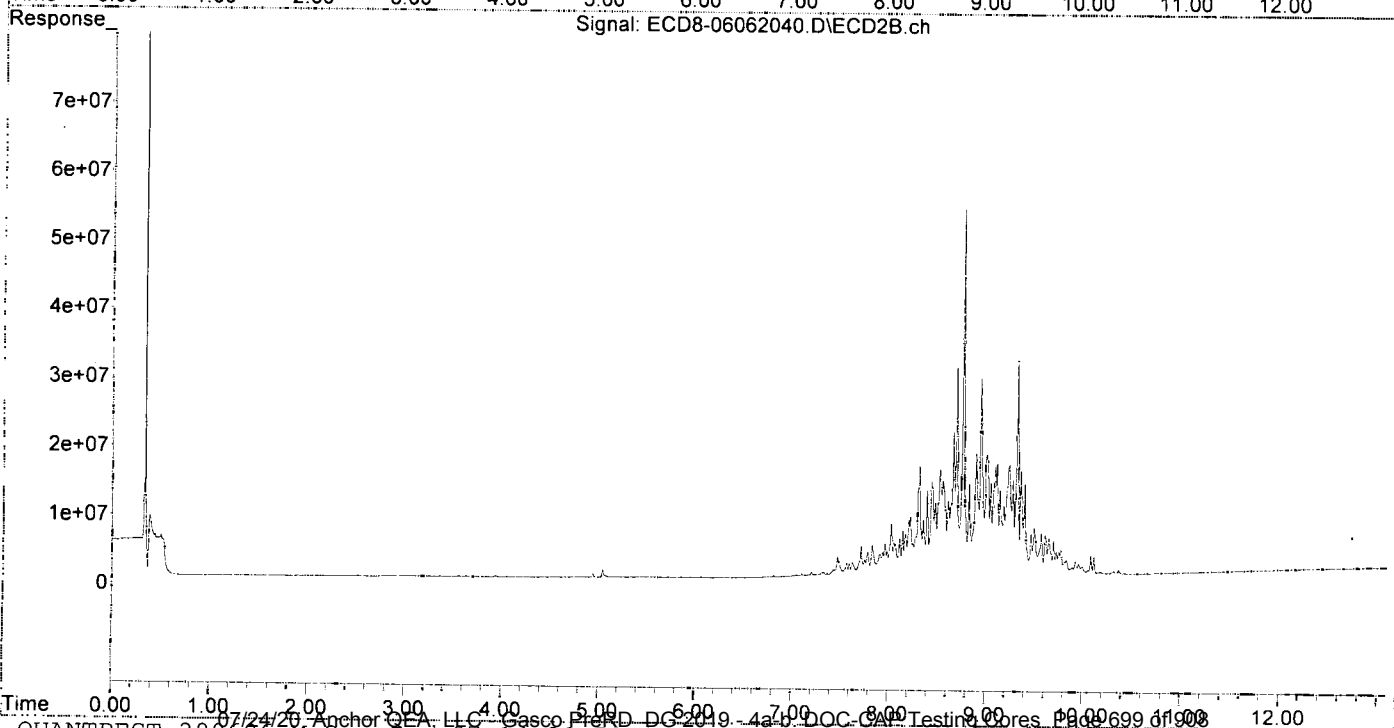
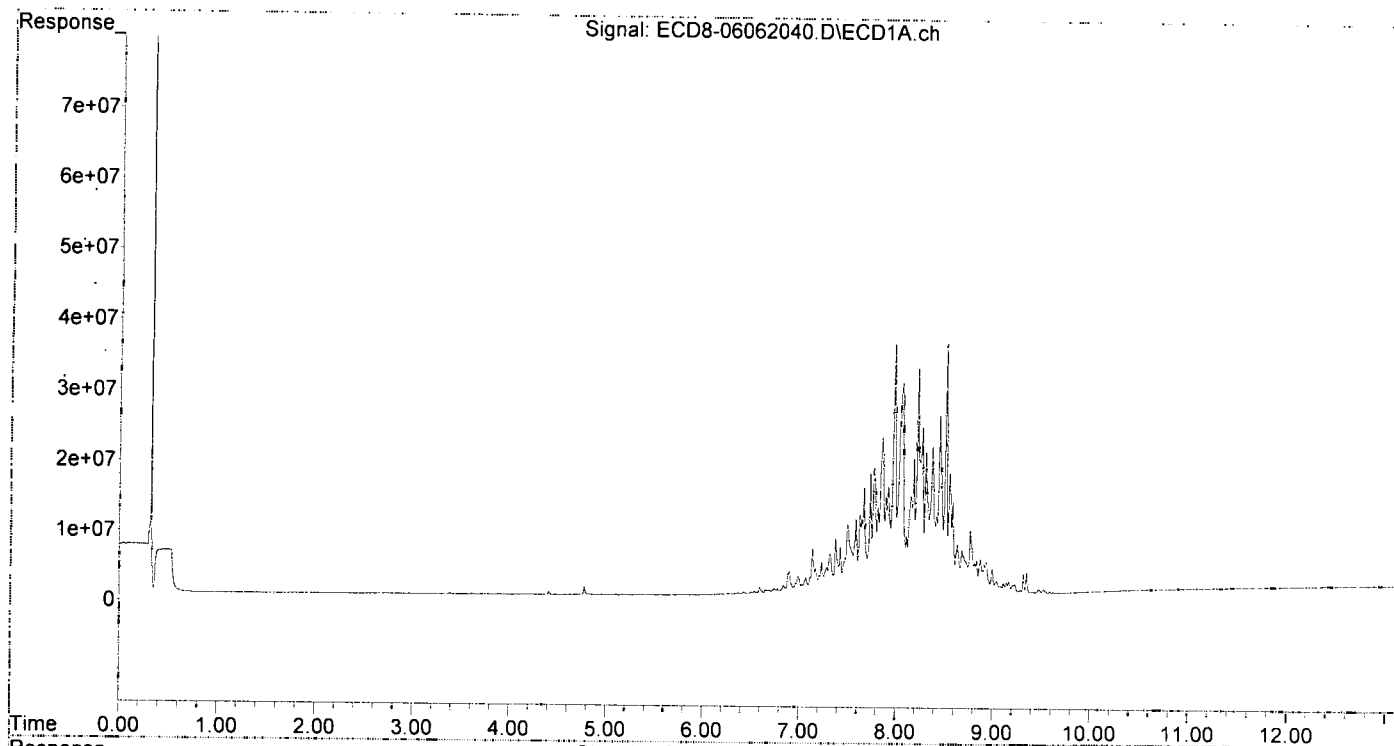
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 7.376 | 8.323 | 7997162 | 15837804 | 509.140 | 540.232 |
| 37) Toxaphene... | 7.669 | 8.671 | 15296757 | 20803186 | 493.831 | 563.601 |
| 38) Toxaphene... | 7.980 | 8.704 | 35720189 | 30150729 | 539.720 | 510.413 |
| 39) Toxaphene... | 8.221 | 8.773 | 32159395 | 52877394 | 504.631 | 579.439 |
| 40) Toxaphene... | 8.449 | 8.951 | 25484963 | 28463697 | 489.686 | 530.069 |
| 41) Toxaphene... | 8.515 | 9.330 | 35541888 | 30904377 | 529.766 | 517.394 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:29
Operator : MJB
Sample : 0F06008-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:48:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 1:45
 Operator : MJB
 Sample : 0F06008-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:52:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 QLast Update : Sun Jun 07 13:49:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
6/7/20

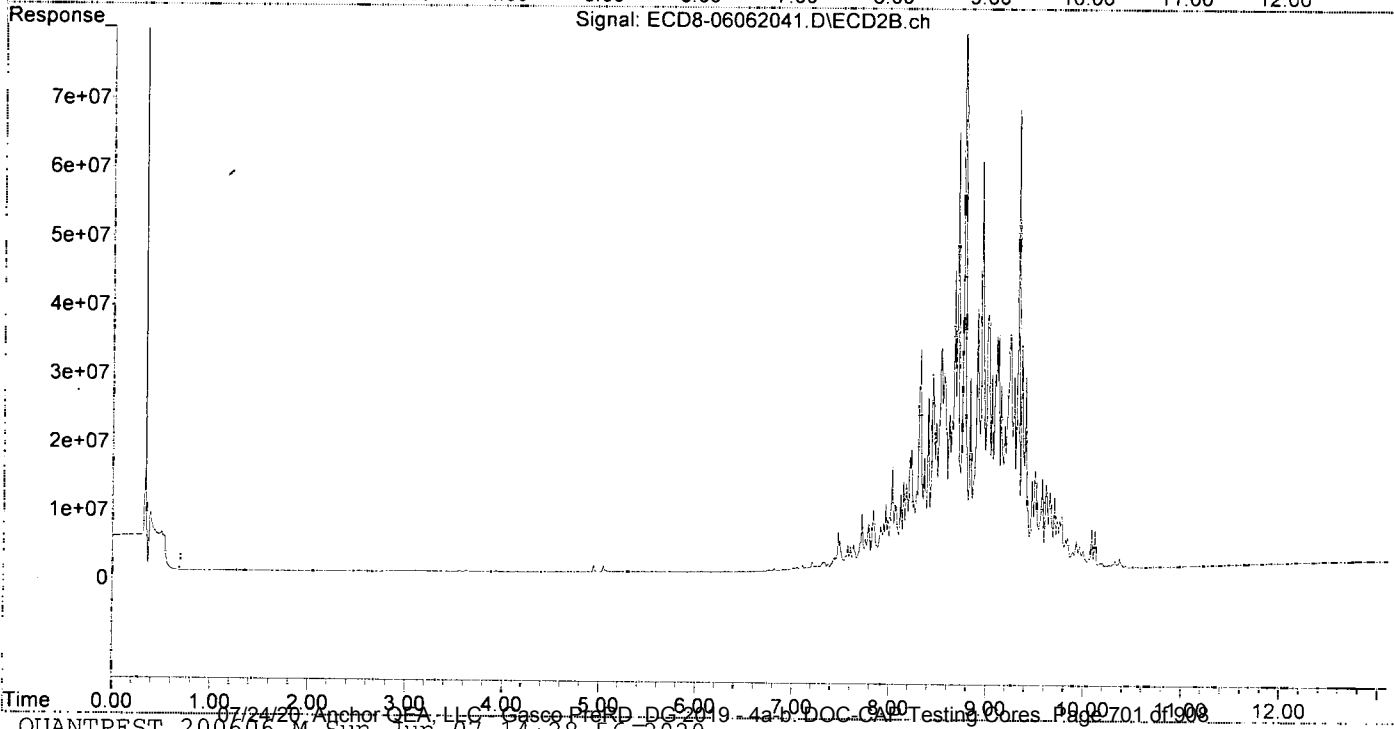
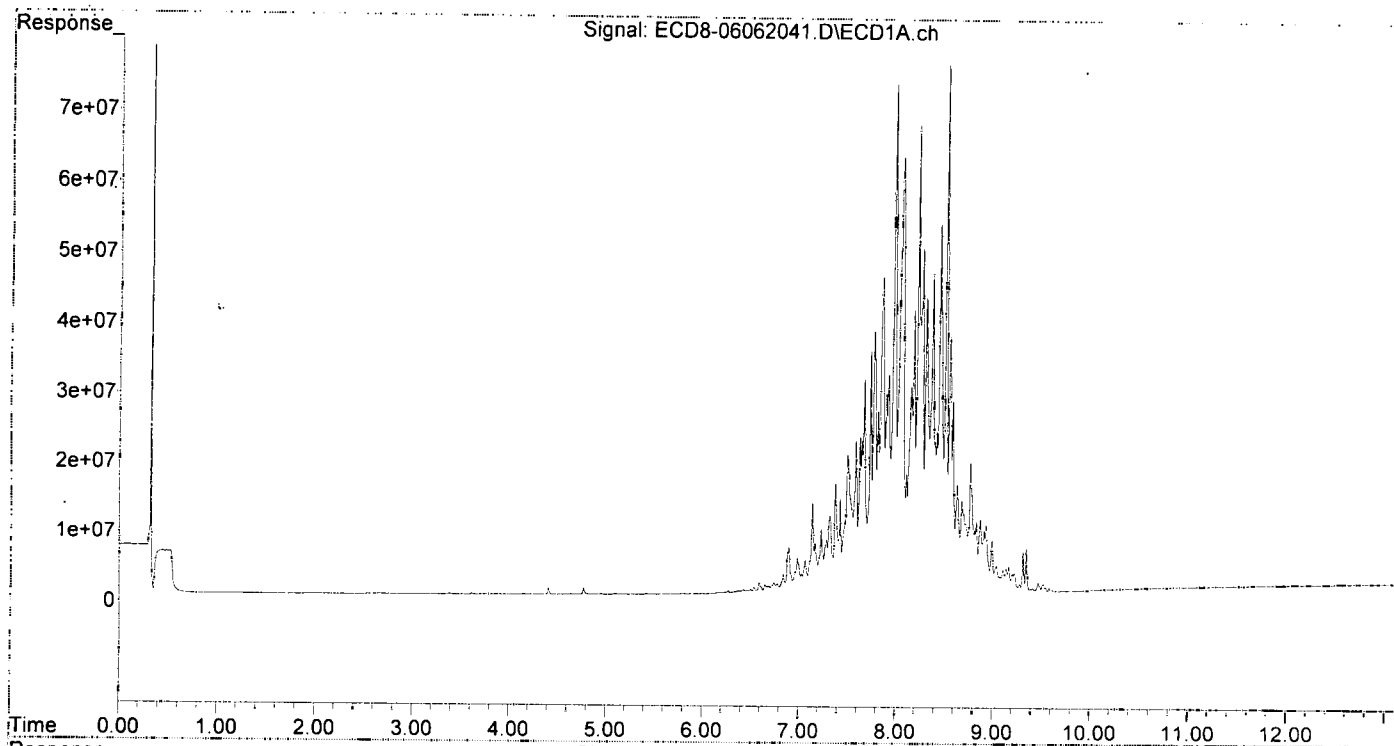
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. 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... | 7.376 | 8.322 | 15918869 | 32082992 | 1013.475 | 1094.359 |
| 37) Toxaphene... | 7.669 | 8.671 | 30835026 | 43558867 | 995.458 | 1180.099 |
| 38) Toxaphene... | 7.980 | 8.705 | 72576238 | 63344254 | 1096.603 | 1072.337 |
| 39) Toxaphene... | 8.221 | 8.773 | 66825708 | 108.7E6 | 1015.288 | 1126.894 |
| 40) Toxaphene... | 8.448 | 8.951 | 52844619 | 58948018 | 969.673 | 1097.768 |
| 41) Toxaphene... | 8.515 | 9.330 | 75158985 | 66625407 | 1120.274 | 1115.428 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:45
Operator : MJB
Sample : 0F06008-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:52:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
 Data File : ECD8-06062042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Jun 2020 2:02
 Operator : MJB
 Sample : 0F06008-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:53:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD8
 Last Update : Sun Jun 07 13:49:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB
4/7/20

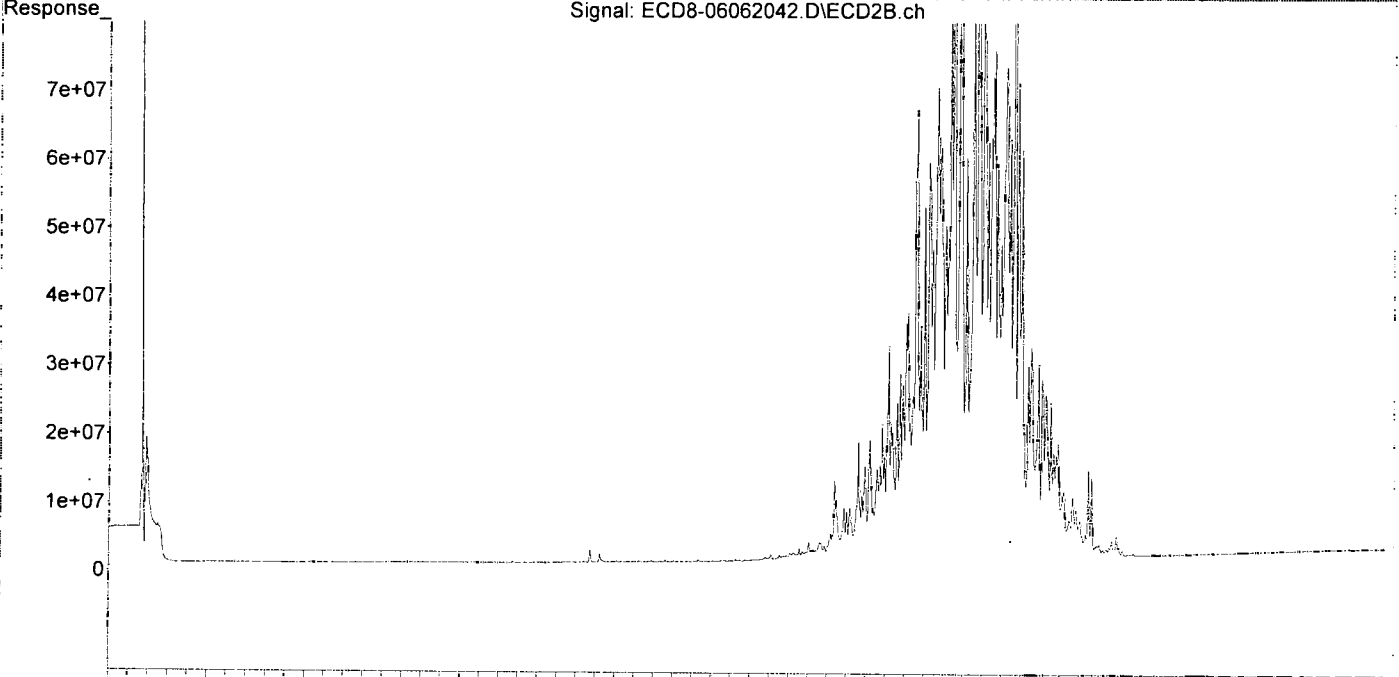
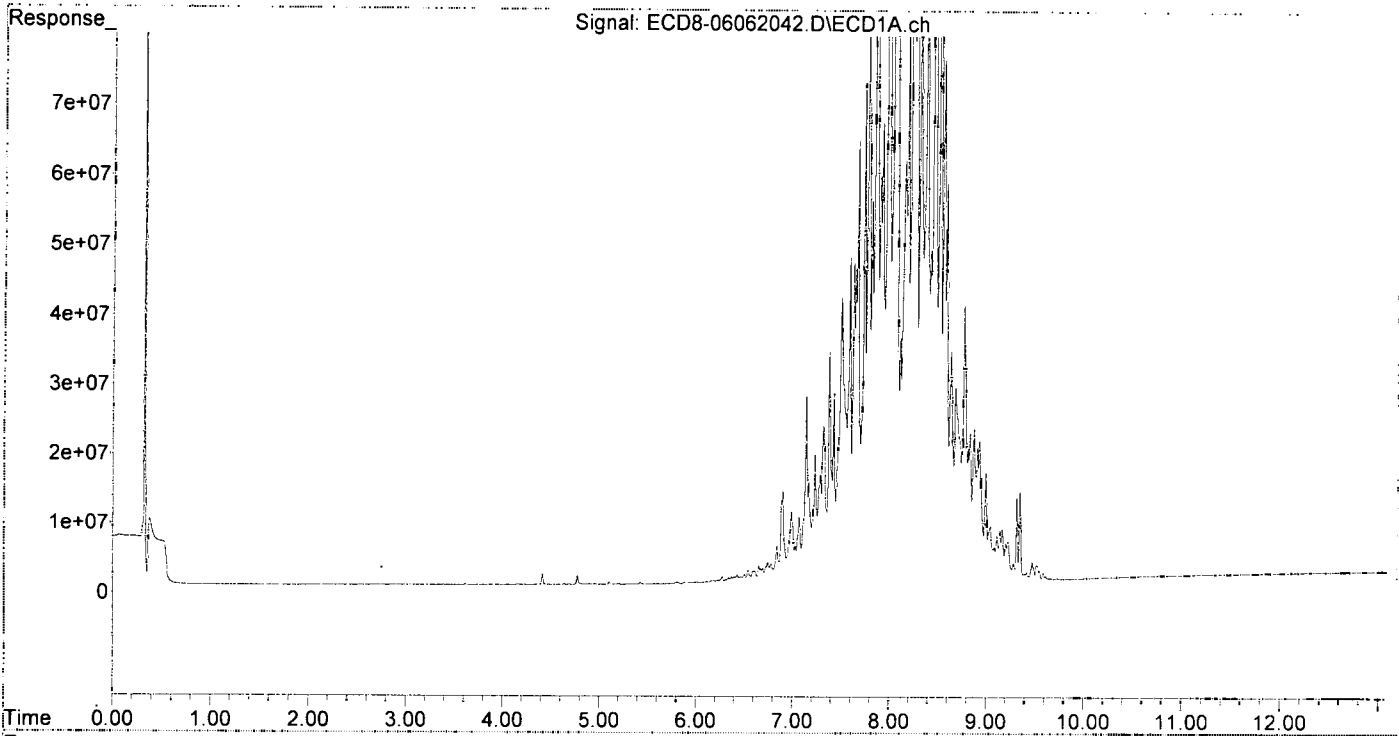
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | 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... | 7.375 | 8.322 | 33243746 | 65111902 | 2116.464 | 2220.984 |
| 37) Toxaphene... | 7.668 | 8.671 | 63292655 | 91375711 | 2043.299 | 2475.555 |
| 38) Toxaphene... | 7.979 | 8.704 | 146.3E6 | 134.7E6 | 2210.925 | 2280.804 |
| 39) Toxaphene... | 8.222 | 8.773 | 138.0E6 | 226.7E6 | 1964.082 | 2117.749 |
| 40) Toxaphene... | 8.448 | 8.951 | 109.1E6 | 127.5E6 | 1850.671 | 2375.070 # |
| 41) Toxaphene... | 8.515 | 9.330 | 156.1E6 | 139.9E6 | 2326.952 | 2342.609 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:02
Operator : MJB
Sample : 0F06008-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:53:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Benchsheet & Analysis Sequence Data**

Batch 0060858

Sequence 0F26021 (A0F0647-01RE1,02RE1,03RE1,04RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060858 (Sediment)

Prep Method: EPA 3546

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | |
|---|---------------|----------------------------|----------------|-------------|------------|----------|---------------|----------|----------|----------------------------|---|----|-----|
| | | | | | | | | | | | | <2 | >11 |
| | 0060858-BLK1 | QC | 06/26/20 07:12 | 11 | 5 | | | | 100 | | | | |
| | 0060858-BS1 | QC | 06/26/20 07:12 | 10 | 5 | A20E219 | | 100 | 100 | | | | |
| | A0F0647-01RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10.37 | 5 | | | | 100 | PDI-149SC-A-01-02-200425 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| | 0060858-DUP1 | QC | 06/26/20 07:12 | 10.37 | 5 | | A0F0647-01RE1 | | 100 | | | | |
| | A0F0647-02RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10.68 | 5 | | | | 100 | PDI-149SC-A-02-03-200425 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| | A0F0647-03RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10.2 | 5 | | | | 100 | PDI-150SC-A-08-09-200425 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| | A0F0647-04RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10.56 | 5 | | | | 100 | PDI-150SC-A-09-10-200425 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| | A0F0667-01RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10.14 | 5 | | | | 100 | PDI-063SC-A-06-07-200429 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| | A0F0667-02RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10.79 | 5 | | | | 100 | PDI-063SC-A-07-08-200429 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| | A0F0670-01RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10.29 | 5 | | | | 100 | PDI-166SC-A-08-09-200520 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| | A0F0670-01RE2 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10.29 | 5 | | | | 100 | PDI-166SC-A-08-09-200520 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| | A0F0670-02RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10.35 | 5 | | | | 100 | PDI-166SC-A-09-10-200520 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| | A0F0670-03RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10.23 | 5 | | | | 100 | PDI-166SC-A-10-11.2-200520 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| | A0F0670-03RE2 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10.23 | 5 | | | | 100 | PDI-166SC-A-10-11.2-200520 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| | 0060858-MS1 | QC | 06/26/20 07:12 | 10.18 | 5 | A20E219 | A0F0670-03RE2 | 100 | 100 | | | | |

Standards/Reagents

| Reagent(s) | | | Analyte Spike(s) | | | Surrogate(s) | | |
|------------|-----------|-----------------------------|------------------|-----------|--------------------------|--------------|-----------|--------------------------------|
| Std ID | Exp. Date | Description | Std ID | Exp. Date | Description | Std ID | Exp. Date | Description |
| A18L176 | 11/30/23 | Balance s/n 1701A109 | A20E219 | 08/01/20 | LVI PAH Spike @2000ng/ml | A20E263 | 11/08/20 | 8270E LL PAH Only Surr. (5ppm) |
| A20B017 | 08/01/20 | Glass Wool | | | | | | |
| A20E143 | 11/09/20 | DCM CHEM PROD. DY726-US | | | | | | |
| A20F023 | 11/29/22 | Sodium Sulfate Lot # 196476 | | | | | | |

Prepared By: _____ Date _____

Reviewed By: 6/29/20
Date



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060858 (Sediment)

Prep Method: EPA 3546

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | |
|----|---------------|----------------------------|----------------|-------------|------------|----------|---------------|----------|----------|----------------------------|---|----|-----|
| | | | | | | | | | | | | <2 | >11 |
| 1 | 0060858-BLK1 | QC | 06/26/20 07:12 | 10.11 | 5 | | | | 100 | | | | |
| 2 | 0060858-BS1 | QC | 06/26/20 07:12 | 10 | 5 | A20E219 | | 100 | 100 | | | | |
| 3 | A0F0647-01RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10 10.37 | 5 | | | | 100 | PDI-149SC-A-01-02-200425 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| 4 | 0060858-DUP1 | QC | 06/26/20 07:12 | 10.37 | 5 | | A0F0647-01RE1 | | 100 | | | | |
| 5 | A0F0647-02RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10 10.68 | 5 | | | | 100 | PDI-149SC-A-02-03-200425 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| 6 | A0F0647-03RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10 10.20 | 5 | | | | 100 | PDI-150SC-A-08-09-200425 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| 7 | A0F0647-04RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10 10.56 | 5 | | | | 100 | PDI-150SC-A-09-10-200425 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| 8 | A0F0667-01RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10 10.14 | 5 | | | | 100 | PDI-063SC-A-06-07-200429 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| 9 | A0F0667-02RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10 10.79 | 5 | | | | 100 | PDI-063SC-A-07-08-200429 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| 10 | A0F0670-01RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10 10.29 | 5 | | | | 100 | PDI-166SC-A-08-09-200520 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| 11 | A0F0670-02RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10 10.35 | 5 | | | | 100 | PDI-166SC-A-09-10-200520 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| 12 | A0F0670-03RE1 | A 8270D LL PAH Only (Scan) | 06/26/20 07:12 | 10 10.23 | 5 | | | | 100 | PDI-166SC-A-10-11.2-200520 | Due to apparent sample switch. Re-extract added 6/25/2020 by jk | | |
| 13 | 0060858-MS1 | QC | 06/26/20 07:12 | 10.18 | 5 | A20E219 | A0F0670-03RE1 | 100 | 100 | | | | |

Standards/Reagents

| Reagent(s) | | | Analyte Spike(s) | | | Surrogate(s) | | |
|------------|-----------|-----------------------------|------------------|-----------|--------------------------|--------------|-----------|--------------------------------|
| Std ID | Exp. Date | Description | Std ID | Exp. Date | Description | Std ID | Exp. Date | Description |
| A13L219 | 11/30/23 | Extractions Balance | A20E219 | 08/01/20 | LVI PAH Spike @2000ng/ml | A20E263 | 11/08/20 | 8270E LL PAH Only Surr. (5ppm) |
| A20B017 | 08/01/20 | Glass Wool | | | | | | |
| A20E143 | 11/09/20 | DCM CHEM PROD. DY726-US | | | | | | |
| A20F023 | 11/29/22 | Sodium Sulfate Lot # 196476 | | | | | | |

Method 3546 digestion time and temperture achieved.

Initial: JAG

Witness: CAH 6/26/20

Prepared By: JAG Date: 6/26/2020

Reviewed By: JAG Date: 06/26/2020



ELEMENT SEQUENCE LOG

Apex Laboratories

ATML 06/29/20

Sequence: 0F26021
Date: 06/26/20 08:04

Instrument: SV-GCMS14
Calibration: A0D0804

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|---------------|----------|--------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0F26021-TUN1 | Soil | QC | QC | | | A20F043 | A20F269 |
| 2 | 0F26021-CCV1 | Soil | QC | QC | | | A20F043 | A20C472 |
| 3 | 0F26021-CCB1 | Soil | QC | QC | | | A20F043 | |
| 4 | 0060858-BLK1 | Sediment | QC | QC | | 0060858 | A20F043 | |
| 5 | 0060858-BS1 | Sediment | QC | QC | | 0060858 | A20F043 | |
| 6 | A0F0647-01RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 07/08/20 | 0060858 | A20F043 | |
| 7 | 0060858-DUP1 | Sediment | QC | QC | | 0060858 | A20F043 | |
| 8 | A0F0670-03RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 07/08/20 | 0060858 | A20F043 | |
| 9 | A0F0647-02RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 07/08/20 | 0060858 | A20F043 | |
| 10 | A0F0647-03RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 07/08/20 | 0060858 | A20F043 | |
| 11 | A0F0647-04RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 07/08/20 | 0060858 | A20F043 | |
| 12 | A0F0667-01RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 07/08/20 | 0060858 | A20F043 | |
| 13 | A0F0667-02RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 07/08/20 | 0060858 | A20F043 | |
| 14 | A0F0670-01RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 07/08/20 | 0060858 | A20F043 | |
| 15 | A0F0670-02RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 07/08/20 | 0060858 | A20F043 | |
| 16 | A0F0670-01RE2 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 07/08/20 | 0060858 | A20F043 | |
| 17 | A0F0670-03RE2 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 07/08/20 | 0060858 | A20F043 | |
| 18 | 0060858-MS1 | Sediment | QC | QC | | 0060858 | A20F043 | |
| 19 | 0F26021-IBL1 | Soil | QC | QC | | | A20F043 | |

Data Entered By/Date: ATML 06/29/20 Comments:

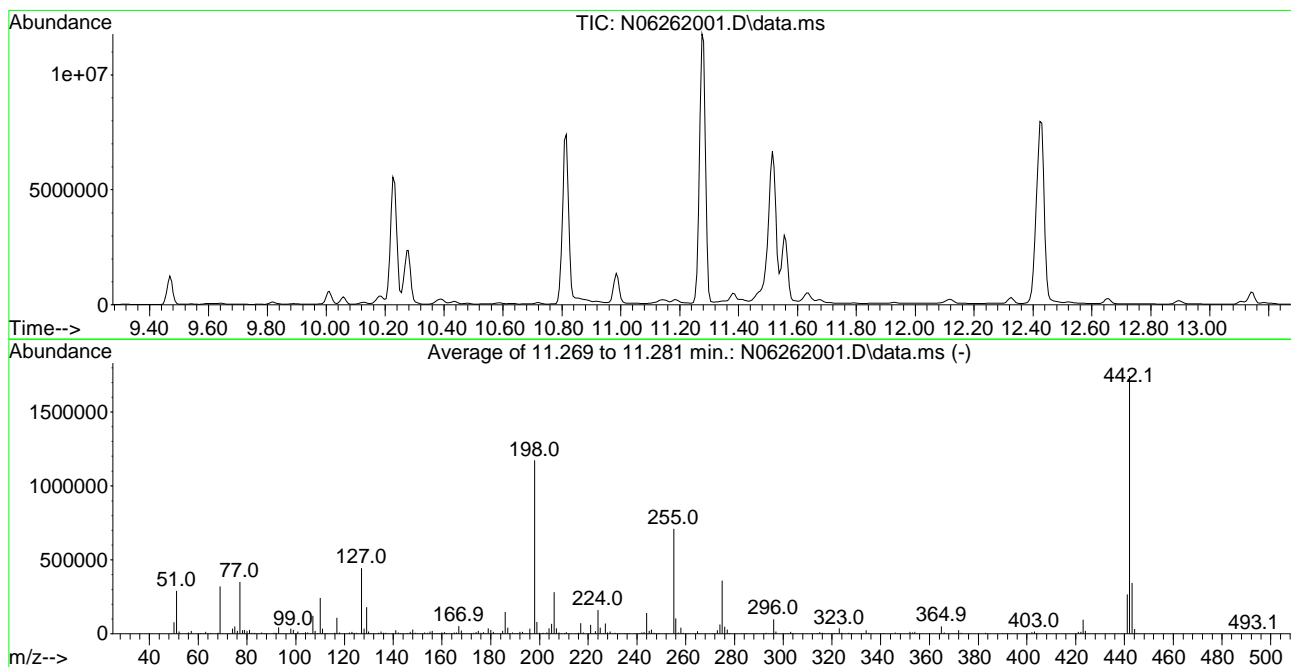
Data Reviewed By/Date: JK 6/29/20

6/29/2020 1:11:25PM

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262001.D
 Acq On : 26 Jun 2020 08:18 am
 Operator : JK/ AMS/ DTH
 Sample : 0F26021-TUN1
 Misc : 1x, A20F269 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : R:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Thu Jun 25 12:53:40 2020



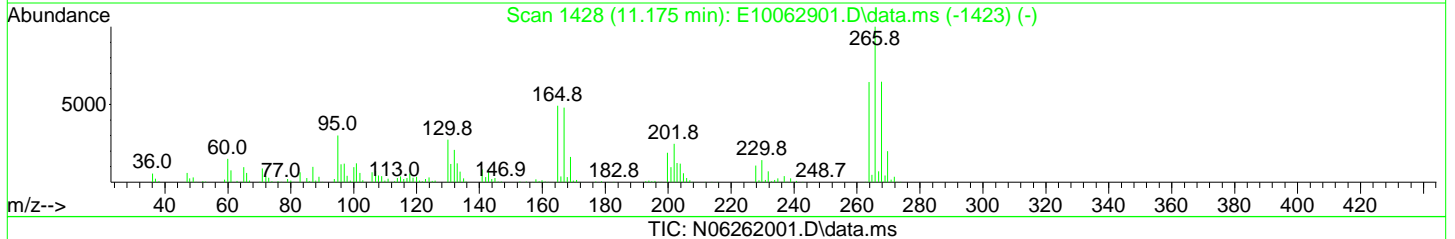
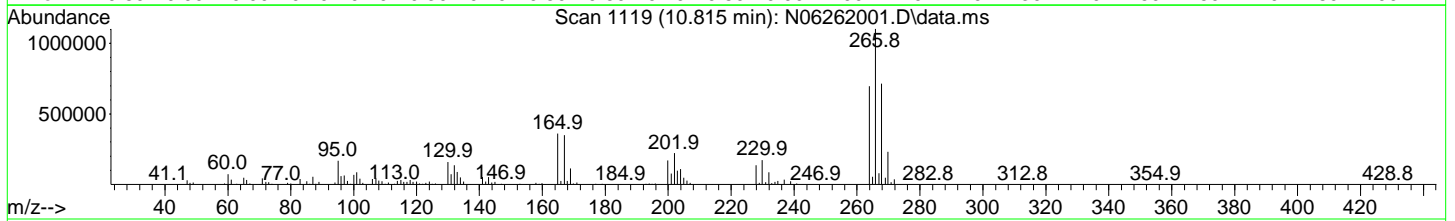
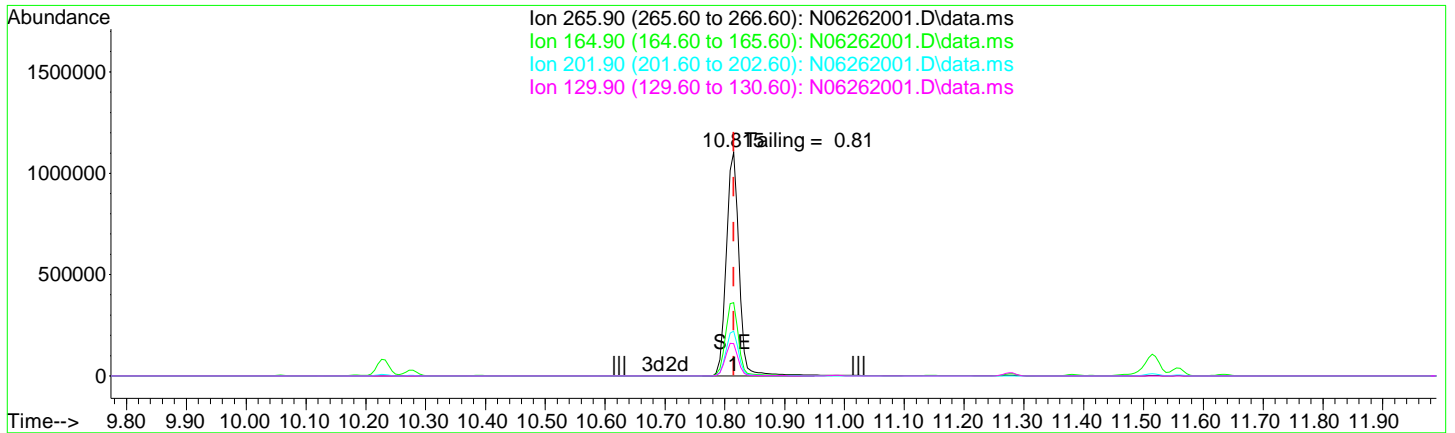
AutoFind: Scans 1197, 1198, 1199; Background Corrected with Scan 1191

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 68 | 69 | 0.00 | 2 | 1.9 | 6192 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 319741 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 1535 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 1173271 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 79620 | PASS |
| 365 | 198 | 1 | 100 | 4.3 | 50893 | PASS |
| 441 | 443 | 0.01 | 150 | 77.3 | 265621 | PASS |
| 442 | 198 | 0.10 | 200 | 148.6 | 1743872 | PASS |
| 443 | 442 | 15 | 24 | 19.7 | 343403 | PASS |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262001.D
 Acq On : 26 Jun 2020 08:18 am
 Operator : JK/ AMS/ DTH
 Sample : 0F26021-TUN1
 Misc : 1x, A20F269 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 08:40:21 2020
 Quant Method : M:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Thu Jun 25 12:53:40 2020
 Response via : Initial Calibration



(4) Pentachlorophenol

10.815min (-0.000) 48.13 ug/mL

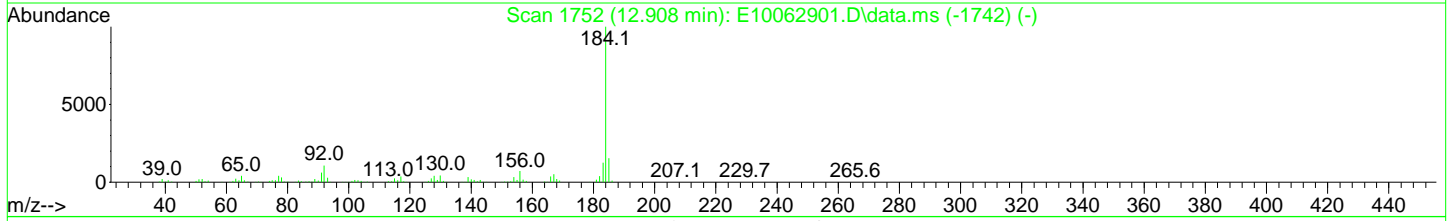
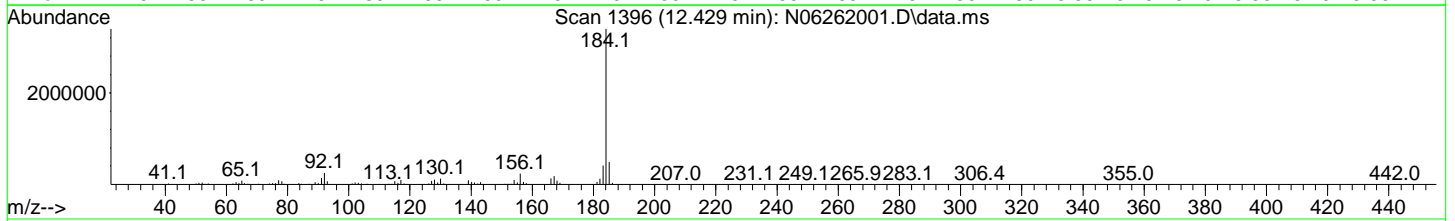
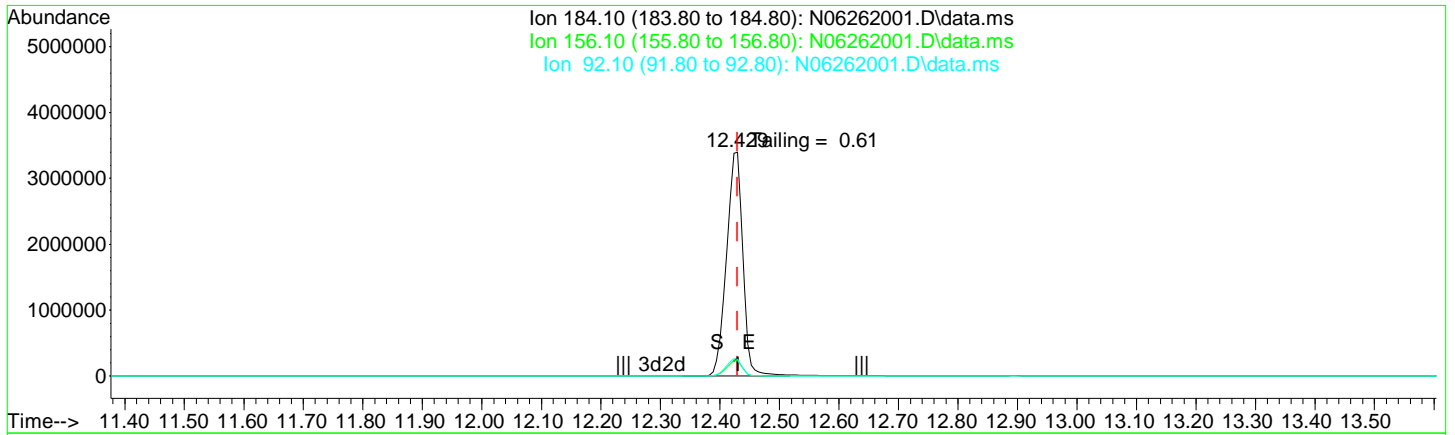
response 1638209

| Ion | Exp% | Act% |
|--------|--------|--------|
| 265.90 | 100.00 | 100.00 |
| 164.90 | 50.60 | 32.70 |
| 201.90 | 25.80 | 20.08 |
| 129.90 | 27.30 | 14.40 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262001.D
 Acq On : 26 Jun 2020 08:18 am
 Operator : JK/ AMS/ DTH
 Sample : 0F26021-TUN1
 Misc : 1x, A20F269 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 08:40:21 2020
 Quant Method : M:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Thu Jun 25 12:53:40 2020
 Response via : Initial Calibration



TIC: N06262001.D\data.ms

(7) Benzidine

12.429min (-0.000) 26.83 ug/mL

response 6466888

| Ion | Exp% | Act% |
|--------|--------|--------|
| 184.10 | 100.00 | 100.00 |
| 156.10 | 8.50 | 6.88 |
| 92.10 | 8.20 | 7.42 |
| 0.00 | 0.00 | 0.00 |

DDT Breakdown Check (Validated 5/1/2013)

From:

0F26021-TUN1
SV-GCMS 14

| First Column Area Counts | Percent Breakdown | | |
|--------------------------|-------------------|------|------|
| DDE | 350807 | | |
| DDD | 769210 | | |
| DDT | 20117822 | 5.27 | PASS |

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262001.D
 Acq On : 26 Jun 2020 08:18 am
 Operator : JK/ AMS/ DTH
 Sample : 0F26021-TUN1
 Misc : 1x, A20F269 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 29 09:15:40 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Thu Jun 25 12:53:40 2020
 Response via : Initial Calibration

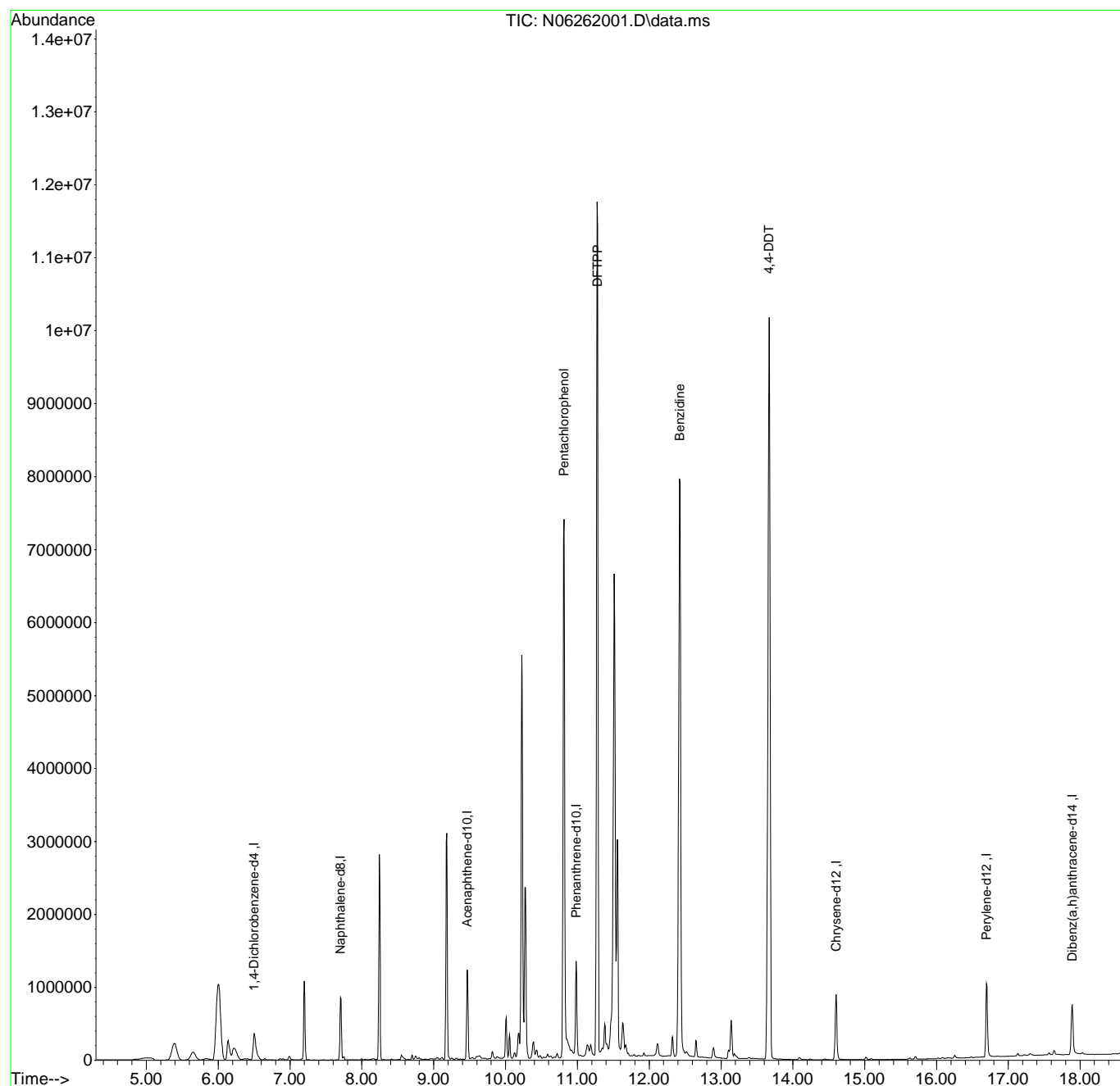
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.502 | 150 | 213324 | 2.00 | ug/mL | 0.00 |
| 2) Naphthalene-d8 | 7.702 | 136 | 610091 | 2.00 | ug/mL | 0.00 |
| 3) Acenaphthene-d10 | 9.468 | 162 | 360450 | 2.00 | ug/mL | 0.00 |
| 5) Phenanthrene-d10 | 10.984 | 188 | 677639 | 2.00 | ug/mL | 0.00 |
| 11) Chrysene-d12 | 14.603 | 240 | 617872 | 2.00 | ug/mL | 0.00 |
| 12) Perylene-d12 | 16.696 | 264 | 598439 | 2.00 | ug/mL | 0.00 |
| 13) Dibenz(a,h)anthracene-... | 17.891 | 292 | 541104 | 2.00 | ug/mL | # 0.00 |
| | | | | | | |
| Target Compounds | | | | | | Qvalue |
| 4) Pentachlorophenol | 10.815 | 266 | 1638209 | 48.13 | ug/mL | 78 |
| 6) DFTPP | 11.281 | 442 | 2908828 | 53.17 | ug/mL# | 62 |
| 7) Benzidine | 12.429 | 184 | 6466888 | 26.83 | ug/mL | 97 |
| 8) 4,4-DDE | 12.651 | TIC | 350807 | No Calib | | |
| 9) 4,4-DDD | 13.140 | TIC | 769210 | No Calib | | |
| 10) 4,4-DDT | 13.671 | TIC | 20117822 | 28.95 | ug/mL | 94 |
| ----- | | | | | | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262001.D
Acq On : 26 Jun 2020 08:18 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-TUN1
Misc : 1x, A20F269 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 29 09:15:40 2020
Quant Method : R:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Jun 25 12:53:40 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

HML 06/29/20

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262002.D
 Acq On : 26 Jun 2020 08:46 am
 Operator : JK/ AMS/ DTH
 Sample : 0F26021-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 09:12:18 2020
 Quant Method : M:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------|----------------------------|---------|---------|-------|-------|----------|
| 1 I | Naphthalene-d8 (ISTD) | 100.000 | 100.000 | 0.0 | 89 | 0.00 |
| 2 S | Nitrobenzene-d5 (Surr) | 50.000 | 46.342 | 7.3 | 85 | 0.00 |
| 3 T | Decalin | 50.000 | 46.343 | 7.3 | 87 | 0.00 |
| 4 T | Naphthalene | 50.000 | 47.984 | 4.0 | 87 | 0.00 |
| 5 T | 2-Methylnaphthalene | 50.000 | 51.083 | -2.2 | 90 | 0.00 |
| 6 T | 1-Methylnaphthalene | 50.000 | 51.532 | -3.1 | 90 | 0.00 |
| 7 T | 1,1'-Biphenyl | 50.000 | 51.946 | -3.9 | 93 | 0.00 |
| 8 T | 2,6-Dimethylnaphthalene | 50.000 | 55.923 | -11.8 | 100 | 0.00 |
| 9 I | Acenaphthene-d10 (ISTD) | 100.000 | 100.000 | 0.0 | 101 | 0.00 |
| 10 S | 2-Fluorobiphenyl (Surr) | 50.000 | 47.938 | 4.1 | 97 | 0.00 |
| 11 T | Acenaphthylene | 50.000 | 52.012 | -4.0 | 102 | 0.00 |
| 12 T | Acenaphthene | 50.000 | 48.624 | 2.8 | 98 | 0.00 |
| 13 T | Dibenzofuran | 50.000 | 49.424 | 1.2 | 100 | 0.00 |
| 14 T | 1,6,7-Trimethylnaphthalene | 50.000 | 52.675 | -5.3 | 108 | 0.00 |
| 15 T | Fluorene | 50.000 | 50.688 | -1.4 | 105 | 0.00 |
| 16 I | Phenanthrene-d10 (ISTD) | 100.000 | 100.000 | 0.0 | 108 | 0.00 |
| 17 T | Dibenzothiopene | 50.000 | 50.289 | -0.6 | 107 | 0.00 |
| 18 T | Phenanthrene | 50.000 | 48.192 | 3.6 | 105 | 0.00 |
| 19 T | Anthracene | 50.000 | 52.168 | -4.3 | 111 | 0.00 |
| 20 T | Carbazole | 50.000 | 47.780 | 4.4 | 98 | 0.00 |
| 21 T | 1-Methylphenanthrene | 50.000 | 52.417 | -4.8 | 110 | 0.00 |
| 22 T | Fluoranthene | 50.000 | 51.392 | -2.8 | 110 | 0.00 |
| 23 I | Chrysene-d12 (ISTD) | 100.000 | 100.000 | 0.0 | 89 | 0.00 |
| 24 T | Pyrene | 50.000 | 57.723 | -15.4 | 107 | 0.00 |
| 25 S | Terphenyl-d14 (Surr) | 50.000 | 53.227 | -6.5 | 94 | 0.00 |
| 26 T | Benz(a)anthracene | 50.000 | 48.994 | 2.0 | 91 | 0.00 |
| 27 T | Chrysene | 50.000 | 48.345 | 3.3 | 86 | 0.00 |
| 28 I | Perylene-d12 (ISTD) | 100.000 | 100.000 | 0.0 | 83 | 0.00 |
| 29 T | Benzo(b)fluoranthene | 50.000 | 52.102 | -4.2 | 89 | 0.00 |
| 30 T | Benzo(k)fluoranthene | 50.000 | 52.164 | -4.3 | 86 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262002.D
 Acq On : 26 Jun 2020 08:46 am
 Operator : JK/ AMS/ DTH
 Sample : 0F26021-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 09:12:18 2020
 Quant Method : M:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------|-----------------------------|---------|---------|-------|-------|----------|
| 31 T | Benzo(b+k)fluoranthene | 100.000 | 103.833 | -3.8 | 87 | 0.00 |
| 32 T | Benzo(e)pyrene | 50.000 | 49.258 | 1.5 | 84 | 0.00 |
| 33 T | Benzo(a)pyrene | 50.000 | 56.074 | -12.1 | 87 | 0.00 |
| 34 T | Perylene | 50.000 | 52.925 | -5.8 | 81 | 0.00 |
| 35 I | Dibenz(a,h)Anthrcene-d14(IS | 100.000 | 100.000 | 0.0 | 88 | 0.00 |
| 36 T | Indeno(1,2,3-cd)Pyrene | 50.000 | 50.258 | -0.5 | 90 | 0.00 |
| 37 T | Dibenz(a,h)anthracene | 50.000 | 51.524 | -3.0 | 91 | 0.00 |
| 38 T | Benzo(g,h,i)perylene | 50.000 | 48.471 | 3.1 | 84 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262002.D
 Acq On : 26 Jun 2020 08:46 am
 Operator : JK/ AMS/ DTH
 Sample : 0F26021-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 09:20:11 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|------|----------|--------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 234949 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 147969 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 260384 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 211764 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.153 | 264 | 192806 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthrcene-d... | 20.543 | 292 | 167904 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.067 | 82 | 34013 | 46.34 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.828 | 172 | 109818 | 47.94 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.768 | 244 | 108908 | 53.23 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Decalin | 7.236 | 138 | 8706 | 46.34 | ng/ml | | 82 |
| 4) Naphthalene | 7.784 | 128 | 122791 | 47.98 | ng/ml | | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 87773 | 51.08 | ng/ml | | 97 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 87917 | 51.53 | ng/ml | | 96 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 112499 | 51.95 | ng/ml | | 96 |
| 8) 2,6-Dimethylnaphthalene | 9.090 | 156 | 83085 | 55.92 | ng/ml | | 97 |
| 11) Acenaphthylene | 9.375 | 152 | 143508 | 52.01 | ng/ml | | 99 |
| 12) Acenaphthene | 9.550 | 153 | 98415 | 48.62 | ng/ml | | 99 |
| 13) Dibenzofuran | 9.725 | 168 | 121079 | 49.42 | ng/ml | | 93 |
| 14) 1,6,7-Trimethylnaphtha... | 9.935 | 170 | 83545 | 52.68 | ng/ml | | 100 |
| 15) Fluorene | 10.069 | 166 | 98645 | 50.69 | ng/ml | | 98 |
| 17) Dibenzothiopene | 10.920 | 184 | 132328 | 50.29 | ng/ml | | 93 |
| 18) Phenanthrene | 11.048 | 178 | 144438 | 48.19 | ng/ml | | 99 |
| 19) Anthracene | 11.101 | 178 | 128051 | 52.17 | ng/ml | | 99 |
| 20) Carbazole | 11.270 | 167 | 101251 | 47.78 | ng/ml | | 98 |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 105940 | 52.42 | ng/ml | | 99 |
| 22) Fluoranthene | 12.296 | 202 | 151804 | 51.39 | ng/ml | | 96 |
| 24) Pyrene | 12.575 | 202 | 158548 | 57.72 | ng/ml | | 99 |
| 26) Benz(a)anthracene | 14.668 | 228 | 107593 | 48.99 | ng/ml | | 99 |
| 27) Chrysene | 14.749 | 228 | 109191 | 48.34 | ng/ml | | 100 |
| 29) Benzo(b)fluoranthene | 17.244 | 252 | 103849 | 52.10 | ng/ml | | 92 |
| 30) Benzo(k)fluoranthene | 17.314 | 252 | 103650 | 52.16 | ng/ml | | 91 |
| 31) Benzo(b+k)fluoranthene | 17.314 | 252 | 217626 | 103.83 | ng/ml | | 91 |
| 32) Benzo(e)pyrene | 17.897 | 252 | 102659 | 49.26 | ng/ml | | 98 |

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262002.D
 Acq On : 26 Jun 2020 08:46 am
 Operator : JK/ AMS/ DTH
 Sample : 0F26021-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 09:20:11 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

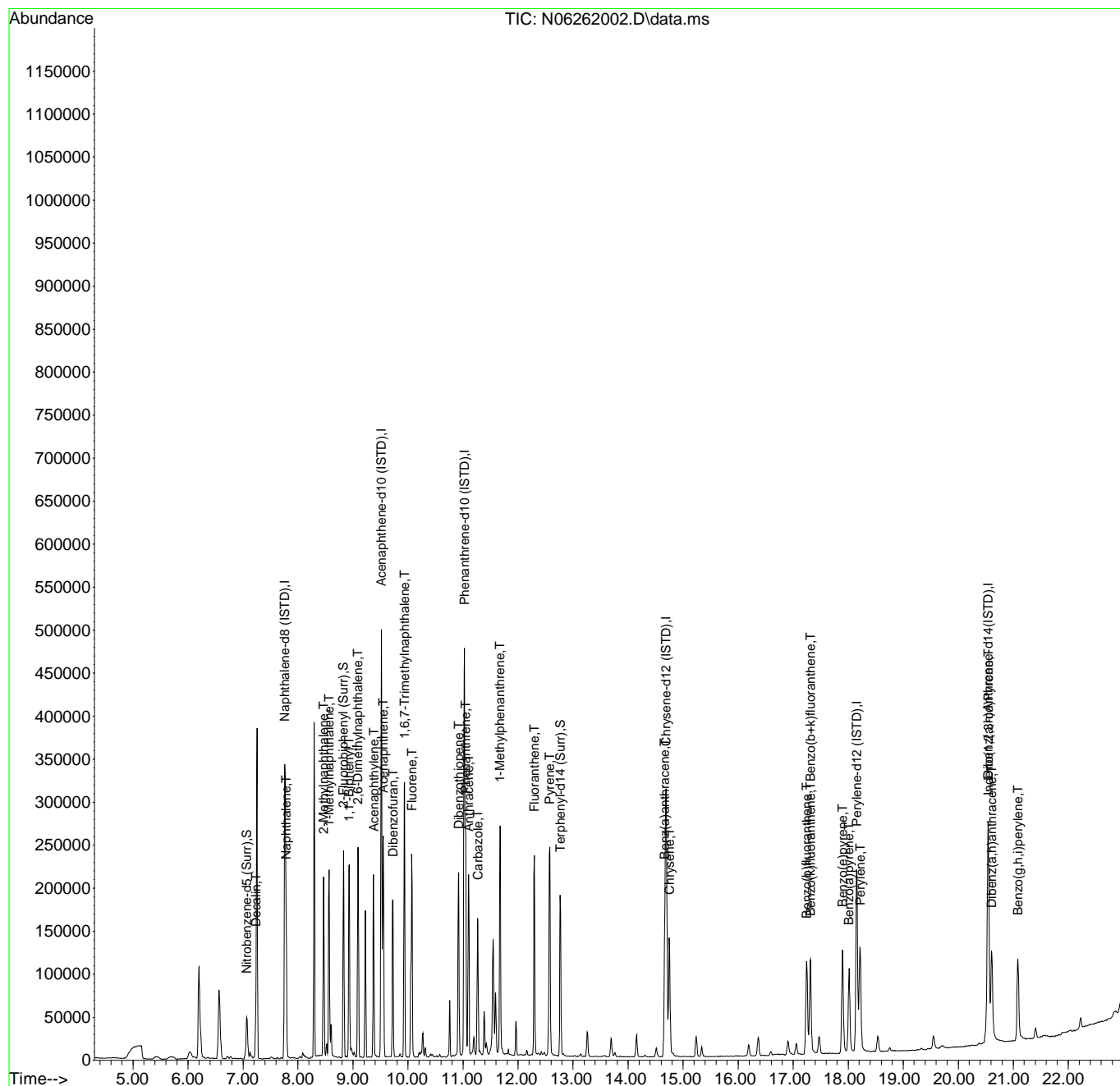
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.013 | 252 | 89717 | 56.07 | ng/ml | 96 |
| 34) Perylene | 18.217 | 252 | 113577 | 52.92 | ng/ml | 99 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.549 | 276 | 91665 | 50.26 | ng/ml | 76 |
| 37) Dibenz(a,h)anthracene | 20.607 | 278 | 94761 | 51.52 | ng/ml | 80 |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 94834 | 48.47 | ng/ml | 78 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262002.D
 Acq On : 26 Jun 2020 08:46 am
 Operator : JK/ AMS/ DTH
 Sample : 0F26021-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 09:20:11 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



ATML 06/29/20

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262003.D
 Acq On : 26 Jun 2020 09:18 am
 Operator : JK/ AMS/ DTH
 Sample : 0F26021-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 09:22:27 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 230562 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 143986 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 221845 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 190370 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.153 | 264 | 184980 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthrcene-d... | 20.537 | 292 | 170769 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 0.000 | 82 | 0 | 0.00 | ng/ml | |
| 10) 2-Fluorobiphenyl (Surr) | 8.827 | 172 | 56 | 0.03 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.767 | 244 | 55 | 0.03 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Decalin | 0.000 | | 0 | | N.D. | |
| 4) Naphthalene | 7.790 | 128 | 258 | | N.D. | |
| 5) 2-Methylnaphthalene | 8.472 | 142 | 54 | | N.D. | |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 56 | | N.D. | |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 141 | | N.D. | |
| 8) 2,6-Dimethylnaphthalene | 0.000 | | 0 | | N.D. | |
| 11) Acenaphthylene | 0.000 | | 0 | | N.D. | |
| 12) Acenaphthene | 0.000 | | 0 | | N.D. | |
| 13) Dibenzofuran | 0.000 | | 0 | | N.D. | |
| 14) 1,6,7-Trimethylnaphtha... | 0.000 | | 0 | | N.D. | |
| 15) Fluorene | 0.000 | | 0 | | N.D. | |
| 17) Dibenzothiopene | 0.000 | | 0 | | N.D. | |
| 18) Phenanthrene | 11.048 | 178 | 104 | | N.D. | |
| 19) Anthracene | 11.095 | 178 | 70 | | N.D. | |
| 20) Carbazole | 11.269 | 167 | 76 | | N.D. | |
| 21) 1-Methylphenanthrene | 0.000 | | 0 | | N.D. | |
| 22) Fluoranthene | 0.000 | | 0 | | N.D. | |
| 24) Pyrene | 0.000 | | 0 | | N.D. | |
| 26) Benz(a)anthracene | 14.685 | 228 | 518 | | N.D. | |
| 27) Chrysene | 14.685 | 228 | 443 | | 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 | 18.159 | 252 | 478 | | N.D. | |

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262003.D
 Acq On : 26 Jun 2020 09:18 am
 Operator : JK/ AMS/ DTH
 Sample : 0F26021-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 09:22:27 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

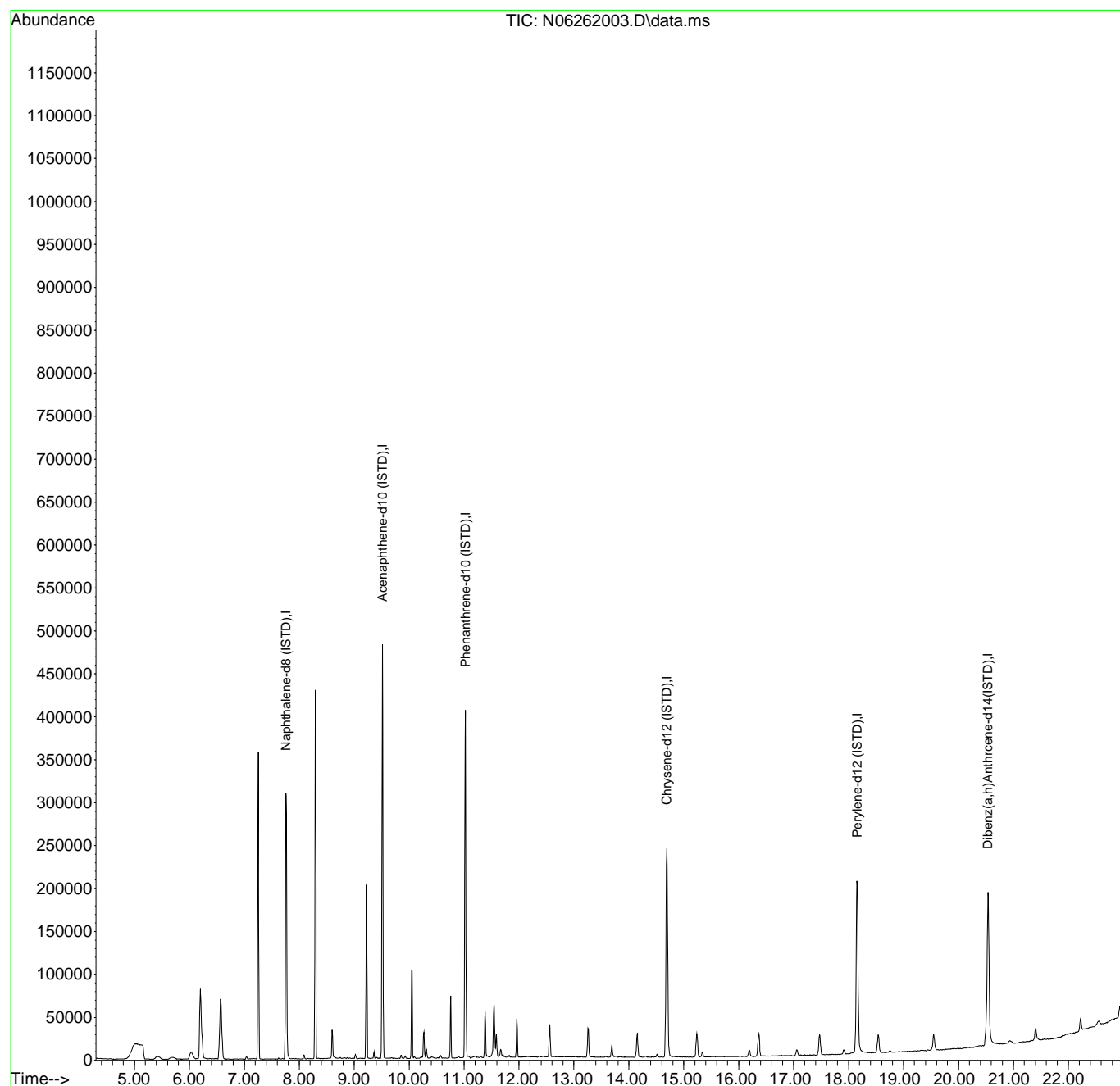
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 33) Benzo(a)pyrene | 0.000 | | 0 | | | N.D. |
| 34) Perylene | 18.159 | 252 | 618 | | | N.D. |
| 36) Indeno(1,2,3-cd)Pyrene | 20.543 | 276 | 58 | | | N.D. |
| 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 : R:\data\2020-06\0F26021\
Data File : N06262003.D
Acq On : 26 Jun 2020 09:18 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 09:22:27 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



AML 06/29/20

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262004.D
 Acq On : 26 Jun 2020 11:13 am
 Operator : JK/ AMS/ DTH
 Sample : 0060858-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

B02

Quant Time: Jun 29 09:23:23 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 206502 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 131494 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 234879 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 189542 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.159 | 264 | 174333 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.543 | 292 | 152934 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.067 | 82 | 52026 | 80.65 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.827 | 172 | 189879 | 93.27 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.773 | 244 | 216049 | 117.97 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Decalin | 0.000 | | 0 | N.D. | | |
| 4) Naphthalene | 7.784 | 128 | 6602 | 2.94 | ng/ml | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 1475 | 0.98 | ng/ml | 97 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 940 | 0.63 | ng/ml | 95 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 933 | 0.49 | ng/ml | 86 |
| 8) 2,6-Dimethylnaphthalene | 9.095 | 156 | 499 | N.D. | | |
| 11) Acenaphthylene | 9.375 | 152 | 346 | N.D. | | |
| 12) Acenaphthene | 9.550 | 153 | 1589 | 0.88 | ng/ml | 94 |
| 13) Dibenzofuran | 9.725 | 168 | 745 | N.D. | | |
| 14) 1,6,7-Trimethylnaphtha... | 9.935 | 170 | 189 | N.D. | | |
| 15) Fluorene | 10.069 | 166 | 968 | 0.56 | ng/ml | 88 |
| 17) Dibenzothiopene | 10.920 | 184 | 469 | N.D. | | |
| 18) Phenanthrene | 11.048 | 178 | 4390 | 1.62 | ng/ml | 98 |
| 19) Anthracene | 11.101 | 178 | 671 | N.D. | | |
| 20) Carbazole | 11.270 | 167 | 306 | N.D. | | |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 488 | N.D. | | |
| 22) Fluoranthene | 12.295 | 202 | 2196 | 0.82 | ng/ml | 95 |
| 24) Pyrene | 12.575 | 202 | 2090 | 0.85 | ng/ml | 98 |
| 26) Benz(a)anthracene | 14.679 | 228 | 904 | 0.46 | ng/ml | 90 |
| 27) Chrysene | 14.749 | 228 | 600 | N.D. | | |
| 29) Benzo(b)fluoranthene | 17.250 | 252 | 582 | N.D. | | |
| 30) Benzo(k)fluoranthene | 17.250 | 252 | 663 | N.D. | | |
| 31) Benzo(b+k)fluoranthene | 17.250 | 252 | 722 | N.D. | | |
| 32) Benzo(e)pyrene | 17.897 | 252 | 419 | N.D. | | |

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262004.D
 Acq On : 26 Jun 2020 11:13 am
 Operator : JK/ AMS/ DTH
 Sample : 0060858-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 29 09:23:23 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

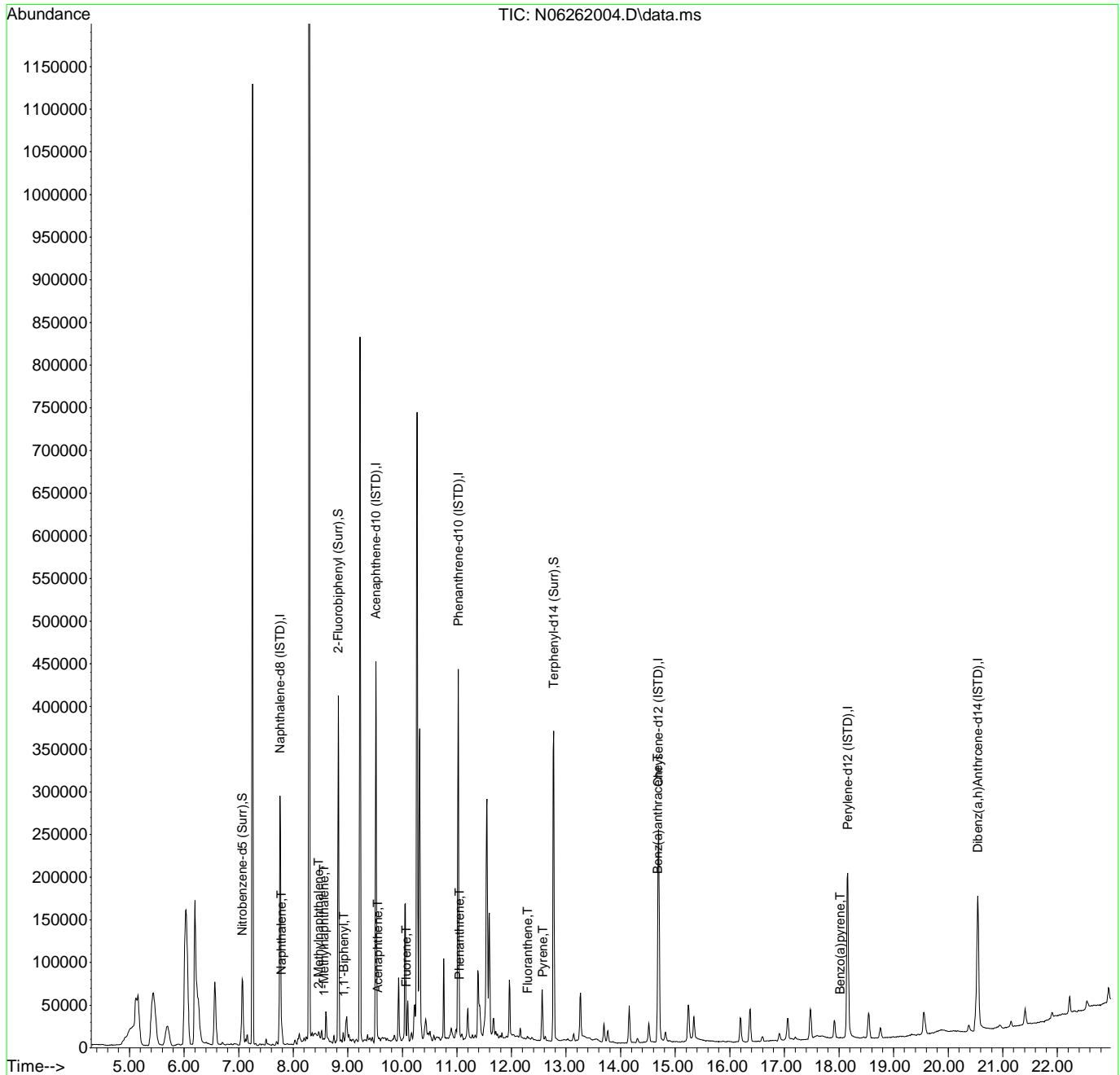
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 33) Benzo(a)pyrene | 18.019 | 252 | 359 | 0.56 | ng/ml | 87 |
| 34) Perylene | 18.217 | 252 | 174 | N.D. | | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.549 | 276 | 386 | N.D. | | |
| 37) Dibenz(a,h)anthracene | 20.601 | 278 | 81 | N.D. | | |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 425 | N.D. | | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262004.D
Acq On : 26 Jun 2020 11:13 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 29 09:23:23 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262004.D
 Acq On : 26 Jun 2020 11:13 am
 Operator : JK/ AMS/ DTH
 Sample : 0060858-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 29 09:23:23 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|------|----------|--------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 206502 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 131494 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 234879 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 189542 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.159 | 264 | 174333 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthrcene-d... | 20.543 | 292 | 152934 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.067 | 82 | 52026 | 80.65 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.827 | 172 | 189879 | 93.27 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.773 | 244 | 216049 | 117.97 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Decalin | 0.000 | | 0 | | N.D. | | |
| 4) Naphthalene | 7.784 | 128 | 6602 | 2.94 | ng/ml | | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 1475 | 0.98 | ng/ml | | 97 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 940 | 0.63 | ng/ml | | 95 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 933 | 0.49 | ng/ml | | 86 |
| 8) 2,6-Dimethylnaphthalene | 9.095 | 156 | 499 | | N.D. | | |
| 11) Acenaphthylene | 9.375 | 152 | 346 | | N.D. | | |
| 12) Acenaphthene | 9.550 | 153 | 1589 | 0.88 | ng/ml | | 94 |
| 13) Dibenzofuran | 9.725 | 168 | 745 | | N.D. | | |
| 14) 1,6,7-Trimethylnaphtha... | 9.935 | 170 | 189 | | N.D. | | |
| 15) Fluorene | 10.069 | 166 | 968 | 0.56 | ng/ml | | 88 |
| 17) Dibenzothiopene | 10.920 | 184 | 469 | | N.D. | | |
| 18) Phenanthrene | 11.048 | 178 | 4390 | 1.62 | ng/ml | | 98 |
| 19) Anthracene | 11.101 | 178 | 671 | | N.D. | | |
| 20) Carbazole | 11.270 | 167 | 306 | | N.D. | | |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 488 | | N.D. | | |
| 22) Fluoranthene | 12.295 | 202 | 2196 | 0.82 | ng/ml | | 95 |
| 24) Pyrene | 12.575 | 202 | 2090 | 0.85 | ng/ml | | 98 |
| 26) Benz(a)anthracene | 14.679 | 228 | 904 | 0.46 | ng/ml | | 90 |
| 27) Chrysene | 14.749 | 228 | 600 | | N.D. | | |
| 29) Benzo(b)fluoranthene | 17.250 | 252 | 582 | | N.D. | | |
| 30) Benzo(k)fluoranthene | 17.250 | 252 | 663 | | N.D. | | |
| 31) Benzo(b+k)fluoranthene | 17.250 | 252 | 722 | | N.D. | | |
| 32) Benzo(e)pyrene | 17.897 | 252 | 419 | | N.D. | | |

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262004.D
 Acq On : 26 Jun 2020 11:13 am
 Operator : JK/ AMS/ DTH
 Sample : 0060858-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 29 09:23:23 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

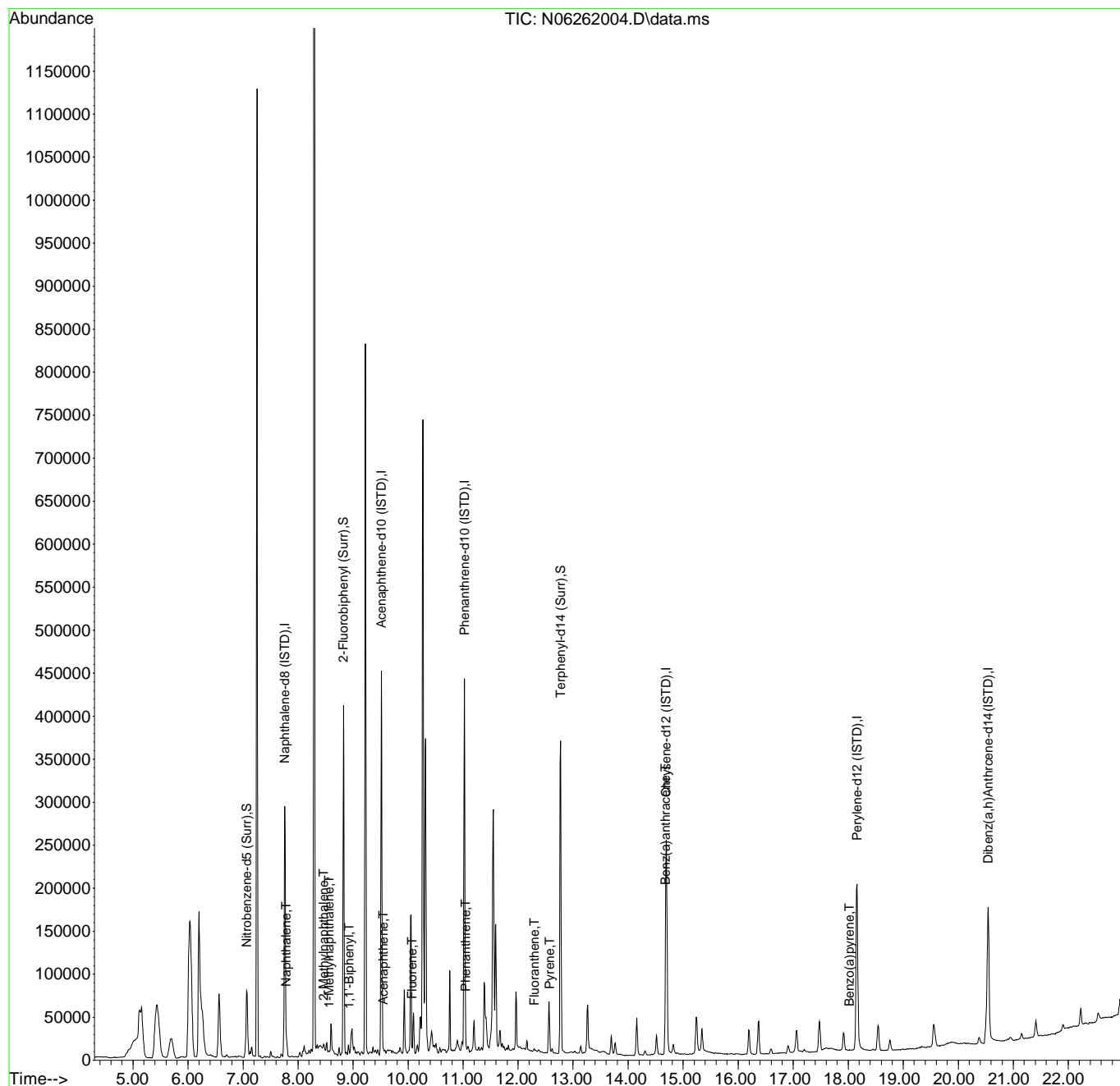
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 33) Benzo(a)pyrene | 18.019 | 252 | 359 | 0.56 | ng/ml | 87 |
| 34) Perylene | 18.217 | 252 | 174 | N.D. | | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.549 | 276 | 386 | N.D. | | |
| 37) Dibenz(a,h)anthracene | 20.601 | 278 | 81 | N.D. | | |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 425 | N.D. | | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262004.D
Acq On : 26 Jun 2020 11:13 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

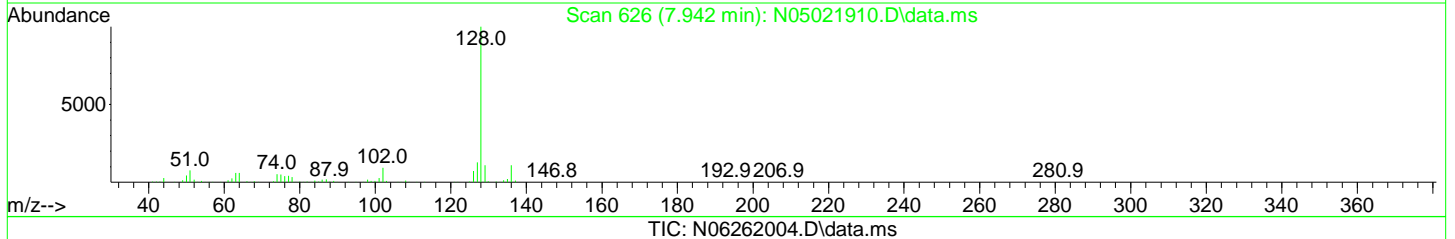
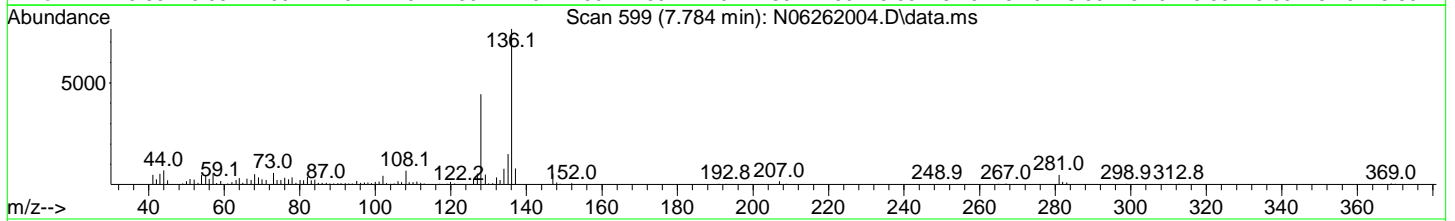
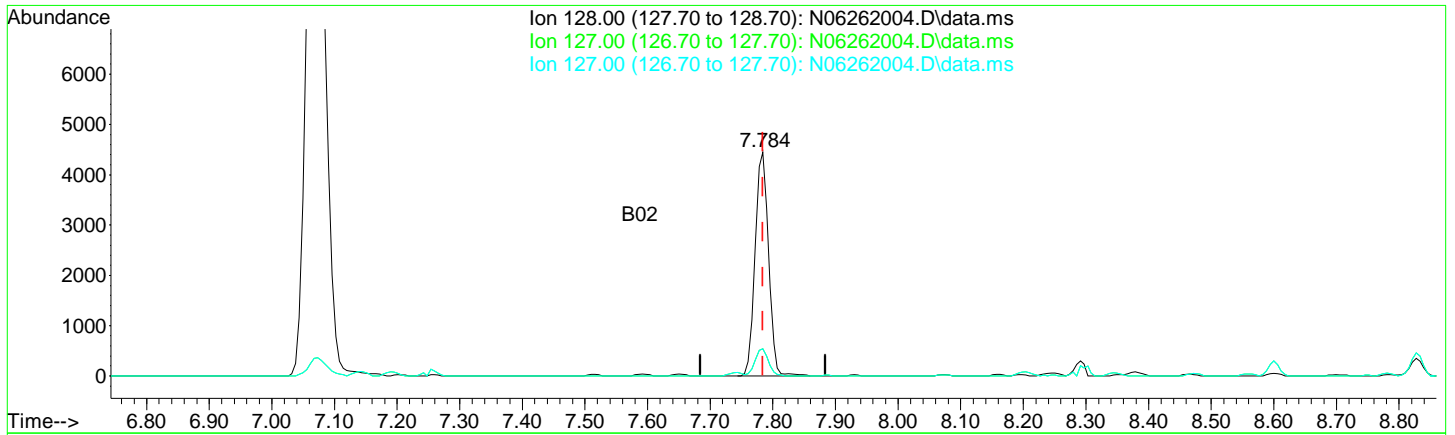
Quant Time: Jun 29 09:23:23 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262004.D
 Acq On : 26 Jun 2020 11:13 am
 Operator : JK/ AMS/ DTH
 Sample : 0060858-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 29 09:23:23 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262004.D\data.ms

(4) Naphthalene (T)

7.784min (+ 0.000) 2.94 ng/ml

response 6602

| Ion | Exp% | Act% |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 127.00 | 12.60 | 12.21 |
| 127.00 | 12.60 | 12.21 |
| 0.00 | 0.00 | 0.00 |

HML 06/29/20

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262005.D
 Acq On : 26 Jun 2020 11:45 am
 Operator : JK/ AMS/ DTH
 Sample : 0060858-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

B02

Quant Time: Jun 29 09:25:57 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 230954 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 141458 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 247025 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 218461 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.153 | 264 | 204808 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.543 | 292 | 172945 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.061 | 82 | 59214 | 82.07 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.827 | 172 | 199073 | 90.90 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.768 | 244 | 222137 | 105.24 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Decalin | 7.230 | 138 | 7092 | 38.40 | ng/ml | 84 |
| 4) Naphthalene | 7.778 | 128 | 105468 | 41.93 | ng/ml | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 75248 | 44.55 | ng/ml | 97 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 73919 | 44.08 | ng/ml | 97 |
| 7) 1,1'-Biphenyl | 8.927 | 154 | 90736 | 42.62 | ng/ml | 96 |
| 8) 2,6-Dimethylnaphthalene | 9.090 | 156 | 65900 | 45.12 | ng/ml | 97 |
| 11) Acenaphthylene | 9.375 | 152 | 108490 | 41.13 | ng/ml | 99 |
| 12) Acenaphthene | 9.544 | 153 | 81197 | 41.96 | ng/ml | 100 |
| 13) Dibenzofuran | 9.725 | 168 | 95421 | 40.74 | ng/ml | 93 |
| 14) 1,6,7-Trimethylnaphtha... | 9.935 | 170 | 66287 | 43.72 | ng/ml | 98 |
| 15) Fluorene | 10.069 | 166 | 79575 | 42.77 | ng/ml | 99 |
| 17) Dibenzothiopene | 10.920 | 184 | 102829 | 41.19 | ng/ml | 94 |
| 18) Phenanthrene | 11.048 | 178 | 119282 | 41.95 | ng/ml | 100 |
| 19) Anthracene | 11.101 | 178 | 102190 | 43.88 | ng/ml | 99 |
| 20) Carbazole | 11.270 | 167 | 76990 | 38.30 | ng/ml | 98 |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 84827 | 44.24 | ng/ml | 97 |
| 22) Fluoranthene | 12.295 | 202 | 122199 | 43.61 | ng/ml | 95 |
| 24) Pyrene | 12.575 | 202 | 124715 | 44.01 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.668 | 228 | 95051 | 41.96 | ng/ml | 99 |
| 27) Chrysene | 14.749 | 228 | 98706 | 42.36 | ng/ml | 99 |
| 29) Benzo(b)fluoranthene | 17.250 | 252 | 91148 | 43.05 | ng/ml | 91 |
| 30) Benzo(k)fluoranthene | 17.314 | 252 | 91706 | 43.45 | ng/ml | 91 |
| 31) Benzo(b+k)fluoranthene | 17.314 | 252 | 192090 | 86.28 | ng/ml | 91 |
| 32) Benzo(e)pyrene | 17.897 | 252 | 91328 | 41.25 | ng/ml | 97 |

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262005.D
 Acq On : 26 Jun 2020 11:45 am
 Operator : JK/ AMS/ DTH
 Sample : 0060858-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 29 09:25:57 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

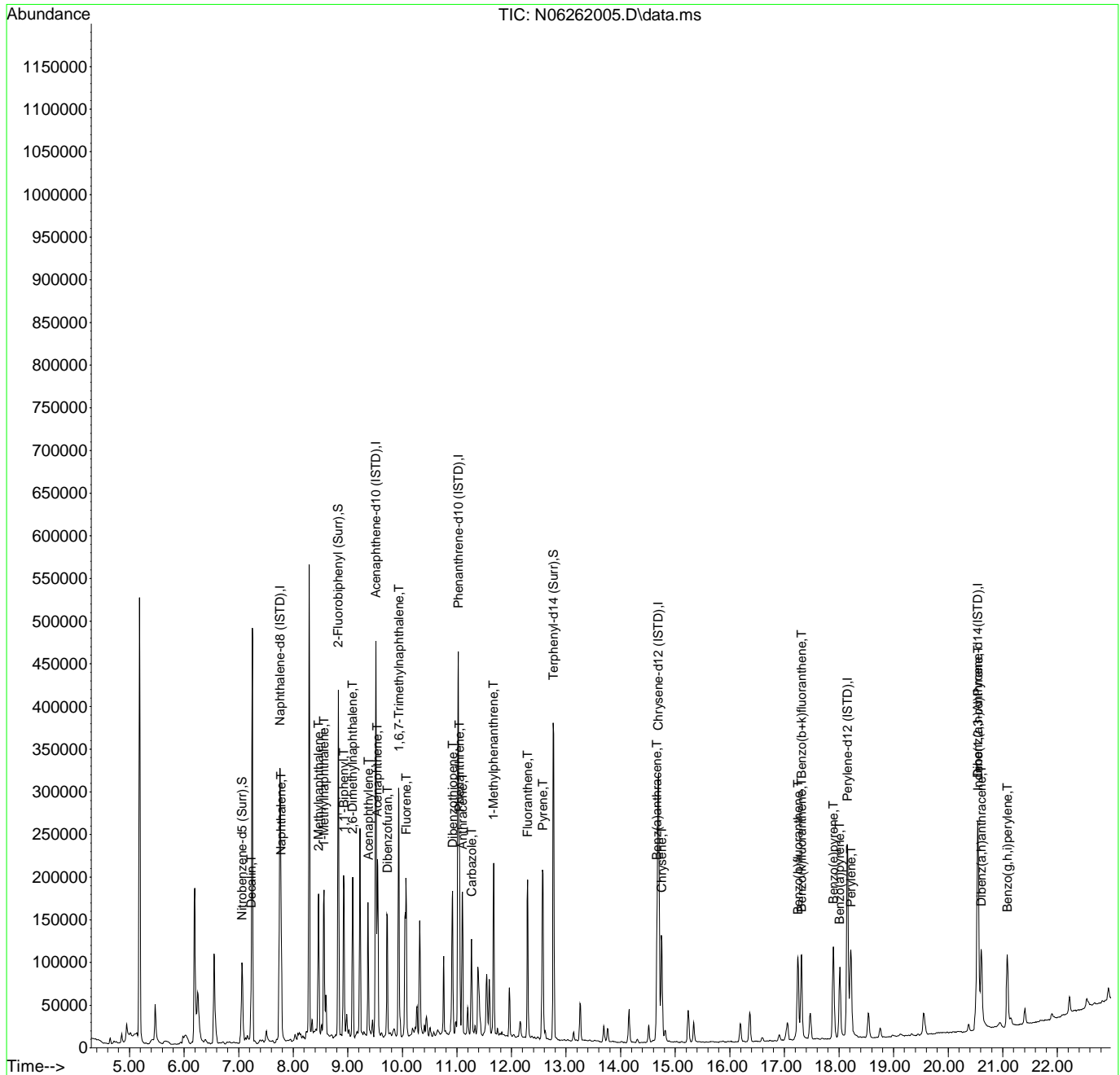
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.013 | 252 | 77019 | 45.59 | ng/ml | 96 |
| 34) Perylene | 18.217 | 252 | 97336 | 42.70 | ng/ml | 99 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.549 | 276 | 79844 | 42.50 | ng/ml | 79 |
| 37) Dibenz(a,h)anthracene | 20.607 | 278 | 81023 | 42.77 | ng/ml | 80 |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 83140 | 41.26 | ng/ml | 78 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262005.D
 Acq On : 26 Jun 2020 11:45 am
 Operator : JK/ AMS/ DTH
 Sample : 0060858-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 29 09:25:57 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262005.D
 Acq On : 26 Jun 2020 11:45 am
 Operator : JK/ AMS/ DTH
 Sample : 0060858-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 29 09:25:57 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|------|----------|--------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 230954 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 141458 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 247025 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 218461 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.153 | 264 | 204808 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthrcene-d... | 20.543 | 292 | 172945 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.061 | 82 | 59214 | 82.07 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.827 | 172 | 199073 | 90.90 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.768 | 244 | 222137 | 105.24 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Decalin | 7.230 | 138 | 7092 | 38.40 | ng/ml | | 84 |
| 4) Naphthalene | 7.778 | 128 | 105468 | 41.93 | ng/ml | | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 75248 | 44.55 | ng/ml | | 97 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 73919 | 44.08 | ng/ml | | 97 |
| 7) 1,1'-Biphenyl | 8.927 | 154 | 90736 | 42.62 | ng/ml | | 96 |
| 8) 2,6-Dimethylnaphthalene | 9.090 | 156 | 65900 | 45.12 | ng/ml | | 97 |
| 11) Acenaphthylene | 9.375 | 152 | 108490 | 41.13 | ng/ml | | 99 |
| 12) Acenaphthene | 9.544 | 153 | 81197 | 41.96 | ng/ml | | 100 |
| 13) Dibenzofuran | 9.725 | 168 | 95421 | 40.74 | ng/ml | | 93 |
| 14) 1,6,7-Trimethylnaphtha... | 9.935 | 170 | 66287 | 43.72 | ng/ml | | 98 |
| 15) Fluorene | 10.069 | 166 | 79575 | 42.77 | ng/ml | | 99 |
| 17) Dibenzothiopene | 10.920 | 184 | 102829 | 41.19 | ng/ml | | 94 |
| 18) Phenanthrene | 11.048 | 178 | 119282 | 41.95 | ng/ml | | 100 |
| 19) Anthracene | 11.101 | 178 | 102190 | 43.88 | ng/ml | | 99 |
| 20) Carbazole | 11.270 | 167 | 76990 | 38.30 | ng/ml | | 98 |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 84827 | 44.24 | ng/ml | | 97 |
| 22) Fluoranthene | 12.295 | 202 | 122199 | 43.61 | ng/ml | | 95 |
| 24) Pyrene | 12.575 | 202 | 124715 | 44.01 | ng/ml | | 99 |
| 26) Benz(a)anthracene | 14.668 | 228 | 95051 | 41.96 | ng/ml | | 99 |
| 27) Chrysene | 14.749 | 228 | 98706 | 42.36 | ng/ml | | 99 |
| 29) Benzo(b)fluoranthene | 17.250 | 252 | 91148 | 43.05 | ng/ml | | 91 |
| 30) Benzo(k)fluoranthene | 17.314 | 252 | 91706 | 43.45 | ng/ml | | 91 |
| 31) Benzo(b+k)fluoranthene | 17.314 | 252 | 192090 | 86.28 | ng/ml | | 91 |
| 32) Benzo(e)pyrene | 17.897 | 252 | 91328 | 41.25 | ng/ml | | 97 |

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262005.D
 Acq On : 26 Jun 2020 11:45 am
 Operator : JK/ AMS/ DTH
 Sample : 0060858-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 29 09:25:57 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

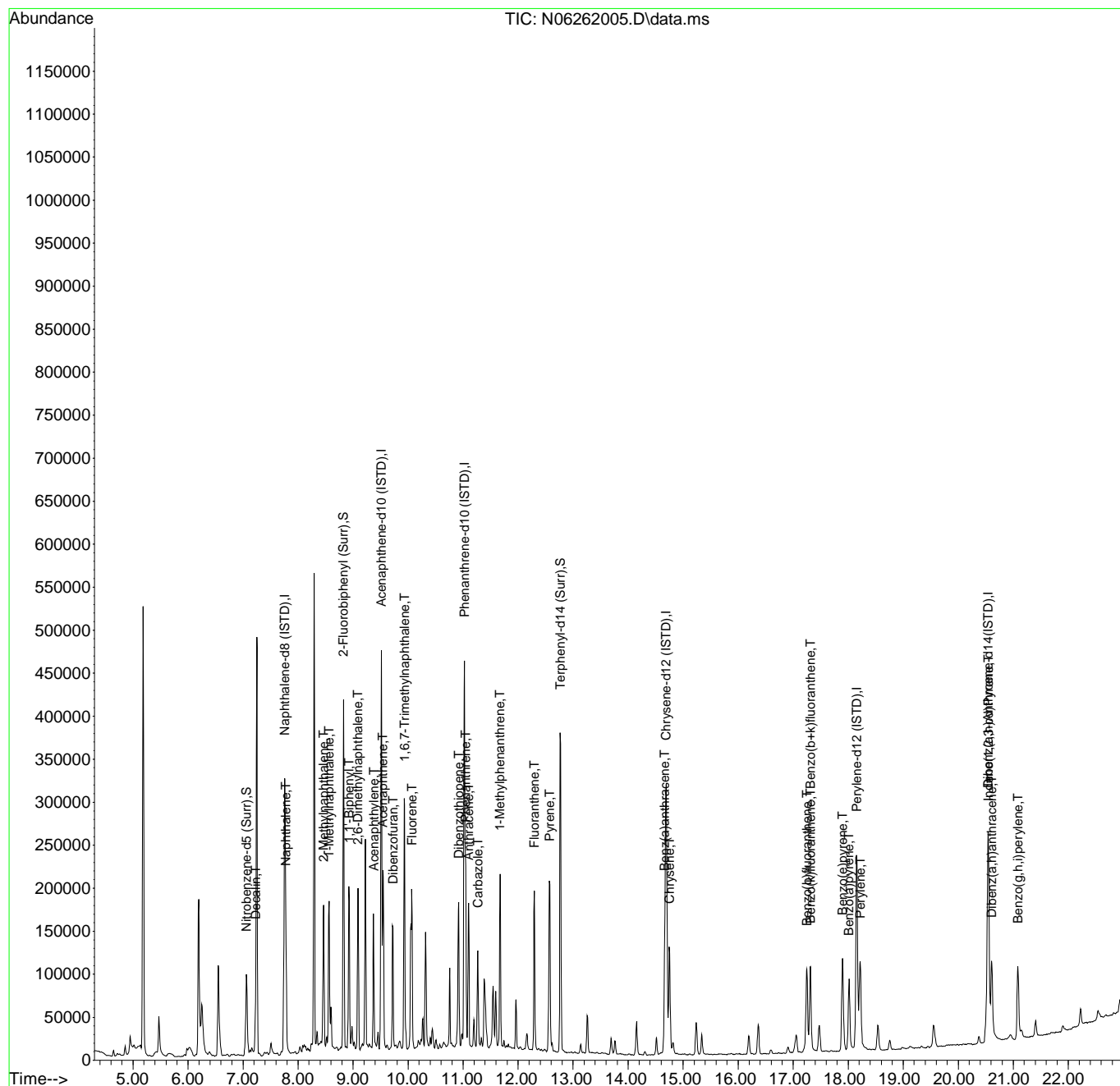
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.013 | 252 | 77019 | 45.59 | ng/ml | 96 |
| 34) Perylene | 18.217 | 252 | 97336 | 42.70 | ng/ml | 99 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.549 | 276 | 79844 | 42.50 | ng/ml | 79 |
| 37) Dibenz(a,h)anthracene | 20.607 | 278 | 81023 | 42.77 | ng/ml | 80 |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 83140 | 41.26 | ng/ml | 78 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262005.D
 Acq On : 26 Jun 2020 11:45 am
 Operator : JK/ AMS/ DTH
 Sample : 0060858-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 29 09:25:57 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



ATML 06/29/20

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

M05

Quant Time: Jun 29 09:31:37 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 239011 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 152720 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 270211 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 223896 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.153 | 264 | 208979 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.537 | 292 | 179448 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.056 | 82 | 180 | 0.24 | ng/ml | -0.01 |
| 10) 2-Fluorobiphenyl (Surr) | 8.827 | 172 | 448 | 0.19 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.768 | 244 | 484 | 0.22 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Decalin | 0.000 | | 0 | N.D. | | |
| 4) Naphthalene | 7.784 | 128 | 41825 | 16.07 | ng/ml | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 8222 | 4.70 | ng/ml | 95 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 73303 | 42.24 | ng/ml | 97 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 1172 | 0.53 | ng/ml | 99 |
| 8) 2,6-Dimethylnaphthalene | 9.096 | 156 | 34850 | 23.06 | ng/ml | 97 |
| 11) Acenaphthylene | 9.375 | 152 | 29457 | 10.34 | ng/ml | 93 |
| 12) Acenaphthene | 9.550 | 153 | 204543 | 97.91 | ng/ml | 100 |
| 13) Dibenzofuran | 9.719 | 168 | 20947 | 8.28 | ng/ml | 99 |
| 14) 1,6,7-Trimethylnaphtha... | 9.929 | 170 | 10682 | 6.53 | ng/ml | 98 |
| 15) Fluorene | 10.069 | 166 | 97997 | 48.79 | ng/ml | 99 |
| 17) Dibenzothiopene | 10.920 | 184 | 93087 | 34.09 | ng/ml | 94 |
| 18) Phenanthrene | 11.048 | 178 | 755138 | 242.79 | ng/ml | 99 |
| 19) Anthracene | 11.101 | 178 | 120936 | 47.48 | ng/ml | 99 |
| 20) Carbazole | 11.270 | 167 | 31410 | 14.28 | ng/ml | 99 |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 18731 | 8.93 | ng/ml | 97 |
| 22) Fluoranthene | 12.295 | 202 | 359768 | 117.37 | ng/ml | 95 |
| 24) Pyrene | 12.575 | 202 | 443401 | 152.68 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.668 | 228 | 66422 | 28.61 | ng/ml | 67 |
| 27) Chrysene | 14.749 | 228 | 92700 | 38.82 | ng/ml | 99 |
| 29) Benzo(b)fluoranthene | 17.250 | 252 | 70429 | 32.60 | ng/ml | 92 |
| 30) Benzo(k)fluoranthene | 17.308 | 252 | 23115m | 10.73 | ng/ml | |
| 31) Benzo(b+k)fluoranthene | 17.250 | 252 | 98401 | 43.32 | ng/ml | 90 |
| 32) Benzo(e)pyrene | 17.897 | 252 | 45733 | 20.25 | ng/ml | 98 |

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:31:37 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

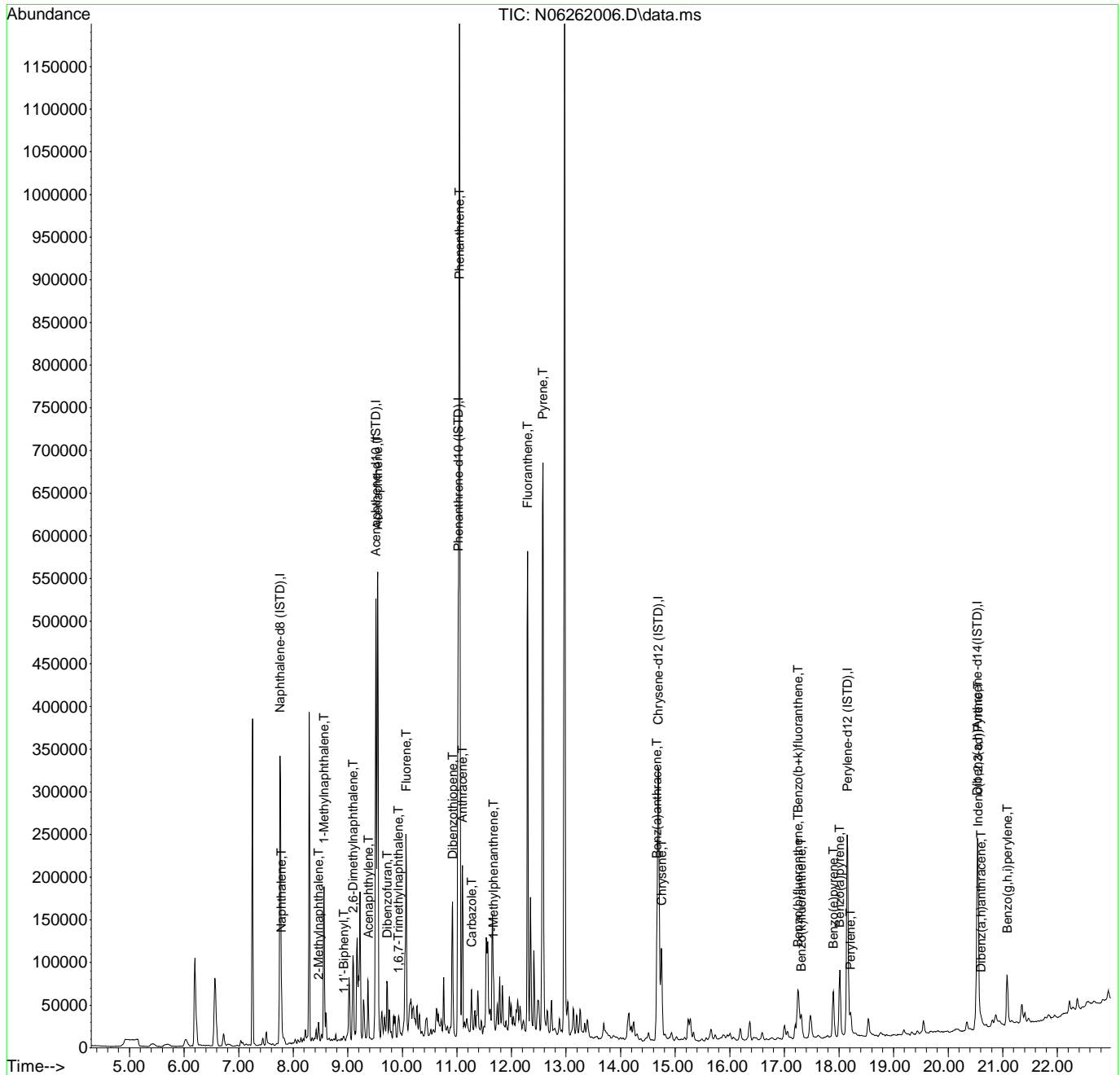
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.013 | 252 | 69538 | 40.47 | ng/ml | 96 |
| 34) Perylene | 18.212 | 252 | 20475 | 8.80 | ng/ml | 97 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.549 | 276 | 47063 | 24.14 | ng/ml | 78 |
| 37) Dibenz(a,h)anthracene | 20.601 | 278 | 5384 | 2.74 | ng/ml | 89 |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 57176 | 27.34 | ng/ml | 78 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:31:37 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|------|----------|--------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 239011 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 152720 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 270211 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 223896 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.153 | 264 | 208979 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthrcene-d... | 20.537 | 292 | 179448 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.056 | 82 | 180 | 0.24 | ng/ml | -0.01 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.827 | 172 | 448 | 0.19 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.768 | 244 | 484 | 0.22 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Decalin | 0.000 | | 0 | N.D. | | | |
| 4) Naphthalene | 7.784 | 128 | 41825 | 16.07 | ng/ml | | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 8222 | 4.70 | ng/ml | | 95 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 73303 | 42.24 | ng/ml | | 97 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 1172 | 0.53 | ng/ml | | 99 |
| 8) 2,6-Dimethylnaphthalene | 9.096 | 156 | 34850 | 23.06 | ng/ml | | 97 |
| 11) Acenaphthylene | 9.375 | 152 | 29457 | 10.34 | ng/ml | | 93 |
| 12) Acenaphthene | 9.550 | 153 | 204543 | 97.91 | ng/ml | | 100 |
| 13) Dibenzofuran | 9.719 | 168 | 20947 | 8.28 | ng/ml | | 99 |
| 14) 1,6,7-Trimethylnaphtha... | 9.929 | 170 | 10682 | 6.53 | ng/ml | | 98 |
| 15) Fluorene | 10.069 | 166 | 97997 | 48.79 | ng/ml | | 99 |
| 17) Dibenzothiopene | 10.920 | 184 | 93087 | 34.09 | ng/ml | | 94 |
| 18) Phenanthrene | 11.048 | 178 | 755138 | 242.79 | ng/ml | | 99 |
| 19) Anthracene | 11.101 | 178 | 120936 | 47.48 | ng/ml | | 99 |
| 20) Carbazole | 11.270 | 167 | 31410 | 14.28 | ng/ml | | 99 |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 18731 | 8.93 | ng/ml | | 97 |
| 22) Fluoranthene | 12.295 | 202 | 359768 | 117.37 | ng/ml | | 95 |
| 24) Pyrene | 12.575 | 202 | 443401 | 152.68 | ng/ml | | 99 |
| 26) Benz(a)anthracene | 14.668 | 228 | 66422 | 28.61 | ng/ml | | 67 |
| 27) Chrysene | 14.749 | 228 | 92700 | 38.82 | ng/ml | | 99 |
| 29) Benzo(b)fluoranthene | 17.250 | 252 | 70429 | 32.60 | ng/ml | | 92 |
| 30) Benzo(k)fluoranthene | 17.250 | 252 | 88539 | 41.11 | ng/ml | | 90 |
| 31) Benzo(b+k)fluoranthene | 17.250 | 252 | 98401 | 43.32 | ng/ml | | 90 |
| 32) Benzo(e)pyrene | 17.897 | 252 | 45733 | 20.25 | ng/ml | | 98 |

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

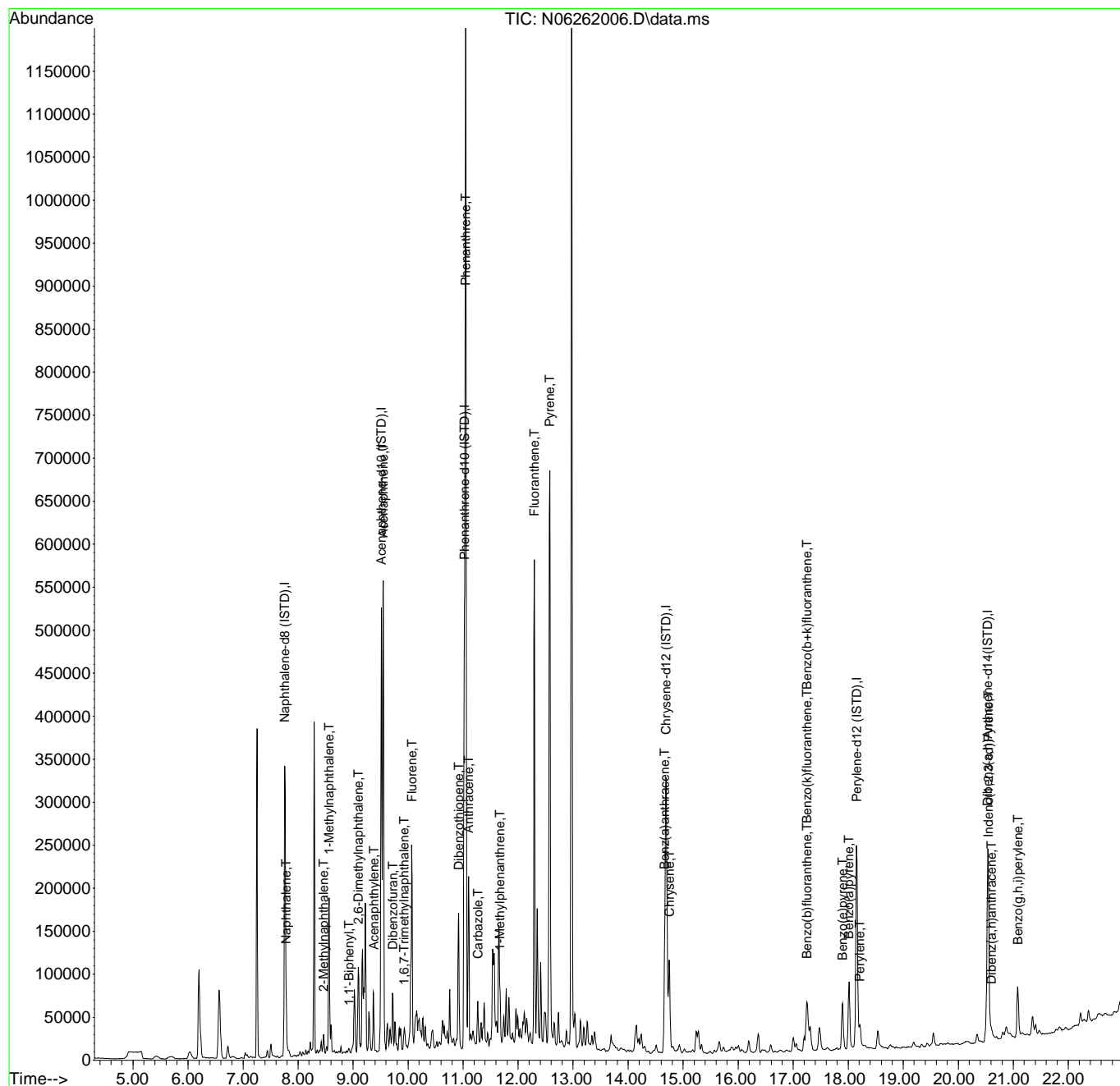
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.013 | 252 | 69538 | 40.47 | ng/ml | 96 |
| 34) Perylene | 18.212 | 252 | 20475 | 8.80 | ng/ml | 97 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.549 | 276 | 47063 | 24.14 | ng/ml | 78 |
| 37) Dibenz(a,h)anthracene | 20.601 | 278 | 5384 | 2.74 | ng/ml | 89 |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 57176 | 27.34 | ng/ml | 78 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

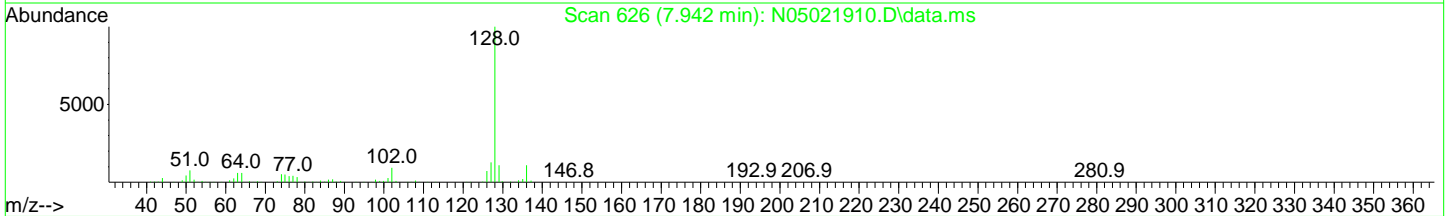
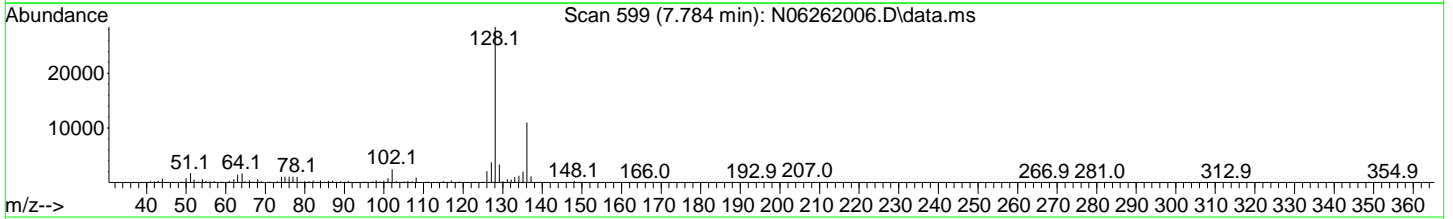
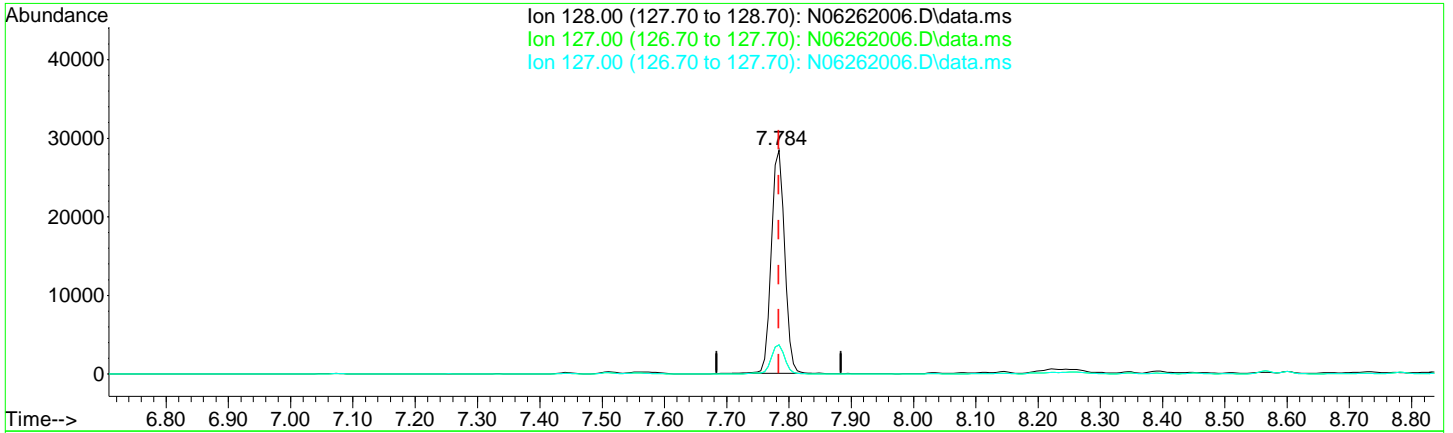
Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(4) Naphthalene (T)

7.784min (+ 0.000) 16.07 ng/ml

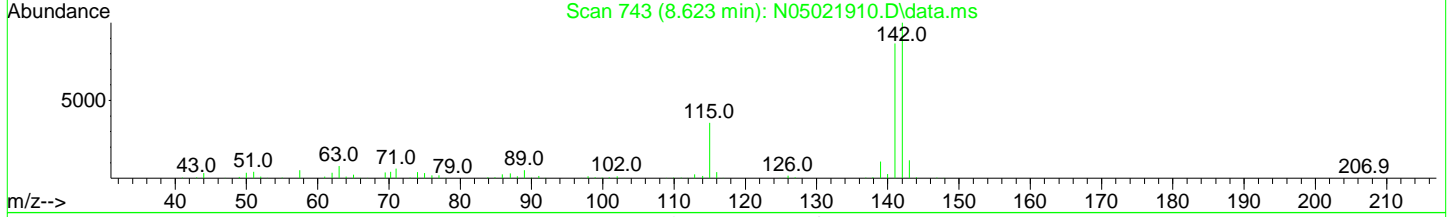
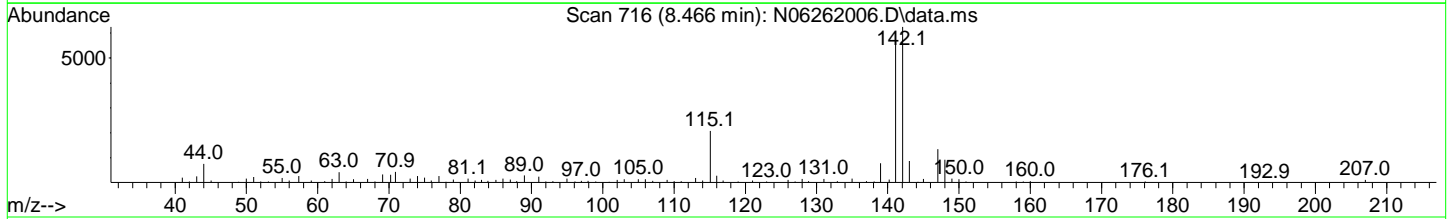
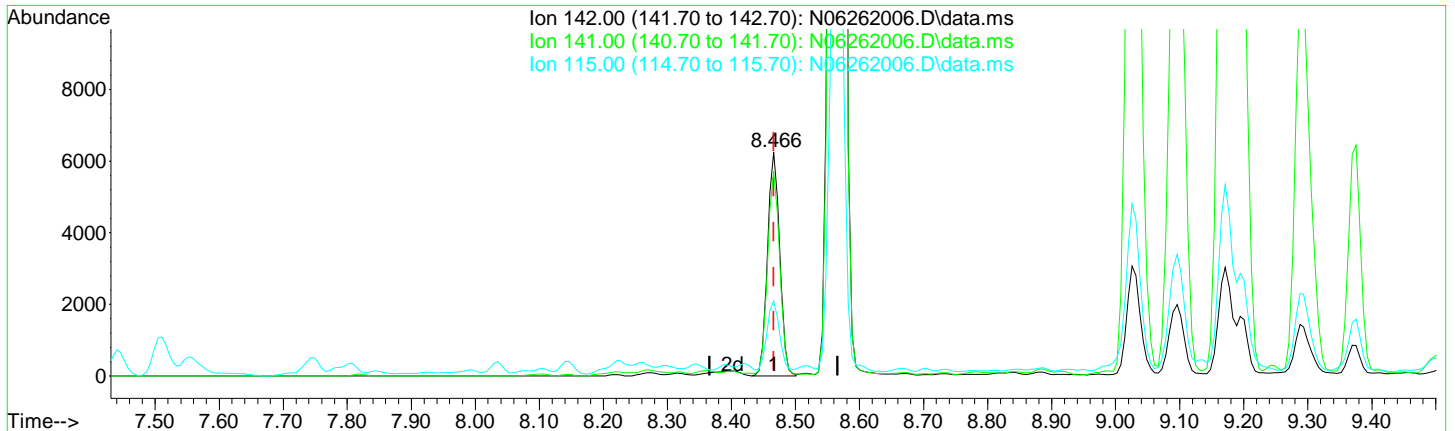
response 41825

| Ion | Exp% | Act% |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 127.00 | 12.60 | 13.12 |
| 127.00 | 12.60 | 13.12 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



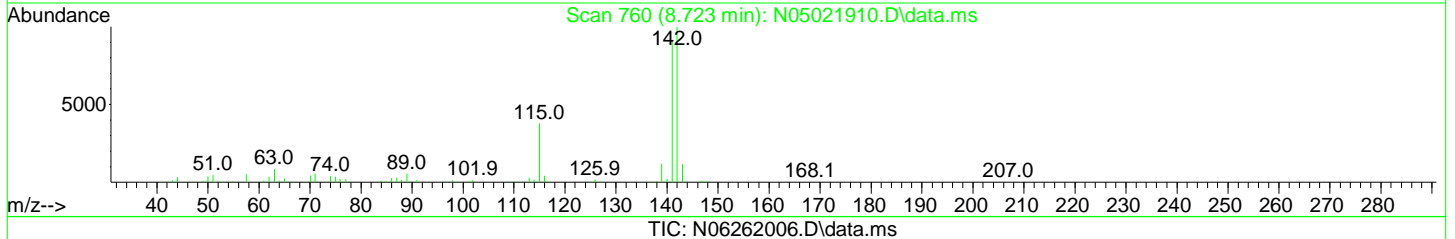
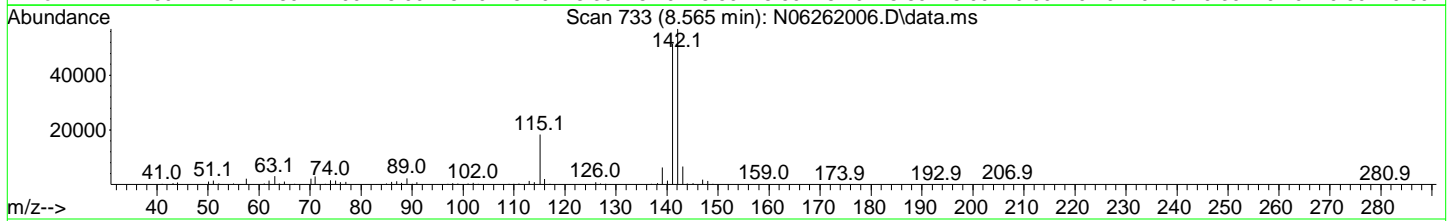
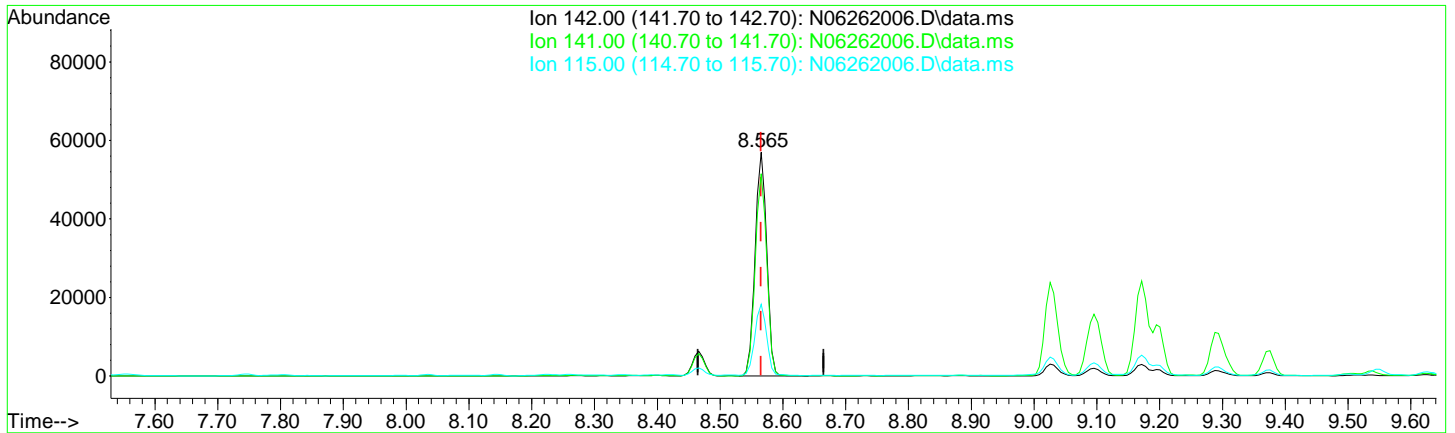
TIC: N06262006.D\data.ms

| (5) 2-Methylnaphthalene (T) | | |
|-----------------------------|------------|--------|
| 8.466min (+ 0.000) | 4.70 ng/ml | |
| response | 8222 | |
| Ion | Exp% | Act% |
| 142.00 | 100.00 | 100.00 |
| 141.00 | 86.60 | 91.34 |
| 115.00 | 35.70 | 33.52 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



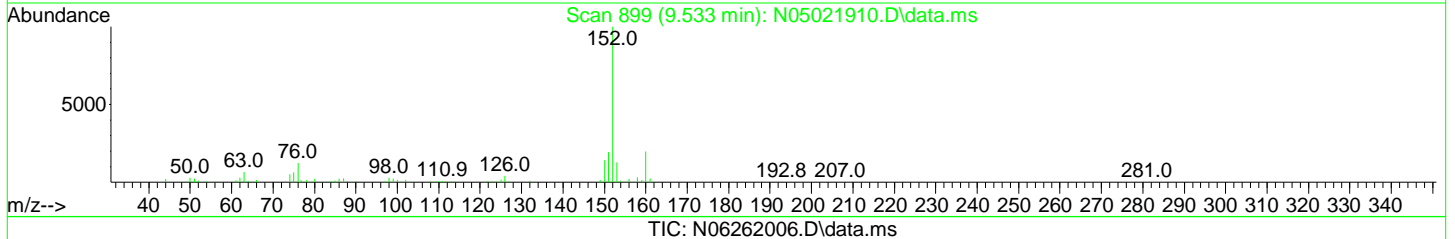
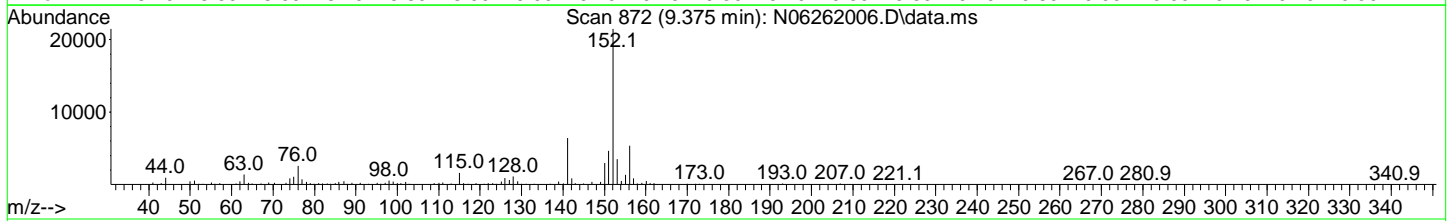
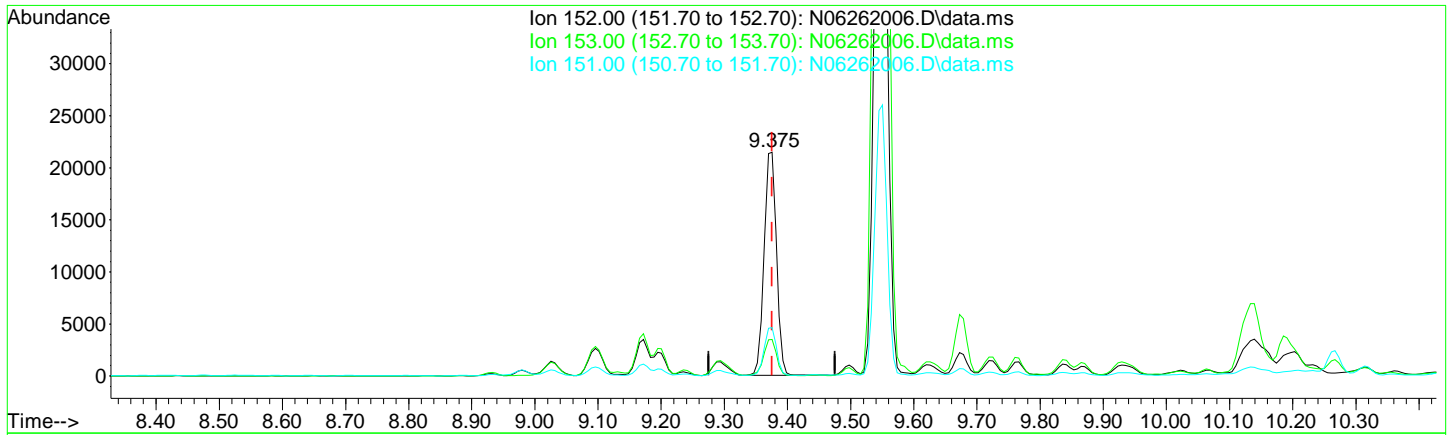
TIC: N06262006.D\data.ms

| (6) 1-Methylnaphthalene (T) | | |
|-----------------------------|-------------|--------|
| 8.565min (+ 0.000) | 42.24 ng/ml | |
| response | 73303 | |
| Ion | Exp% | Act% |
| 142.00 | 100.00 | 100.00 |
| 141.00 | 90.70 | 90.41 |
| 115.00 | 37.80 | 32.09 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(11) Acenaphthylene (T)

9.375min (+ 0.000) 10.34 ng/ml

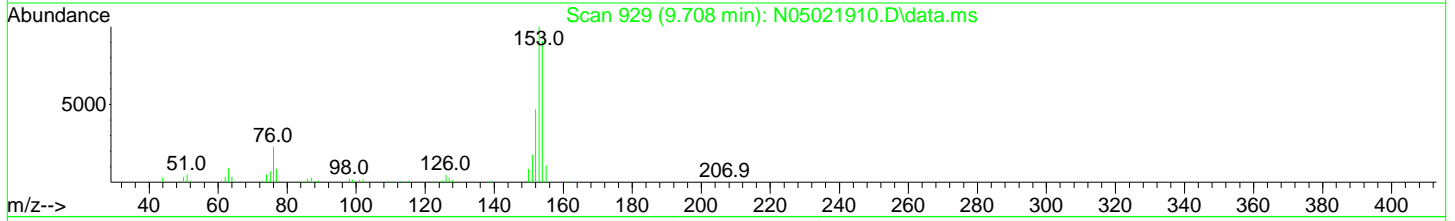
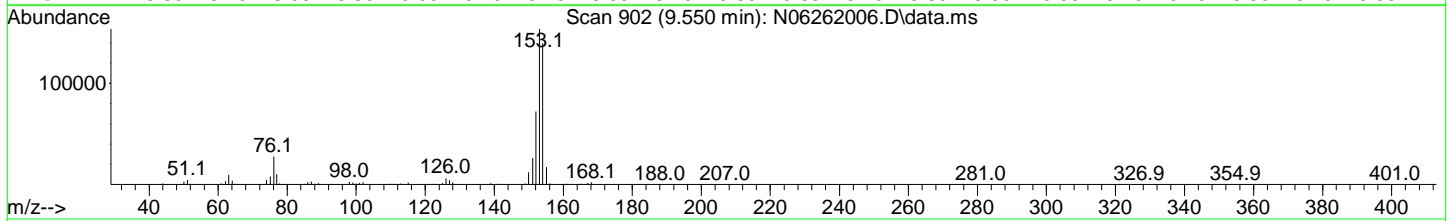
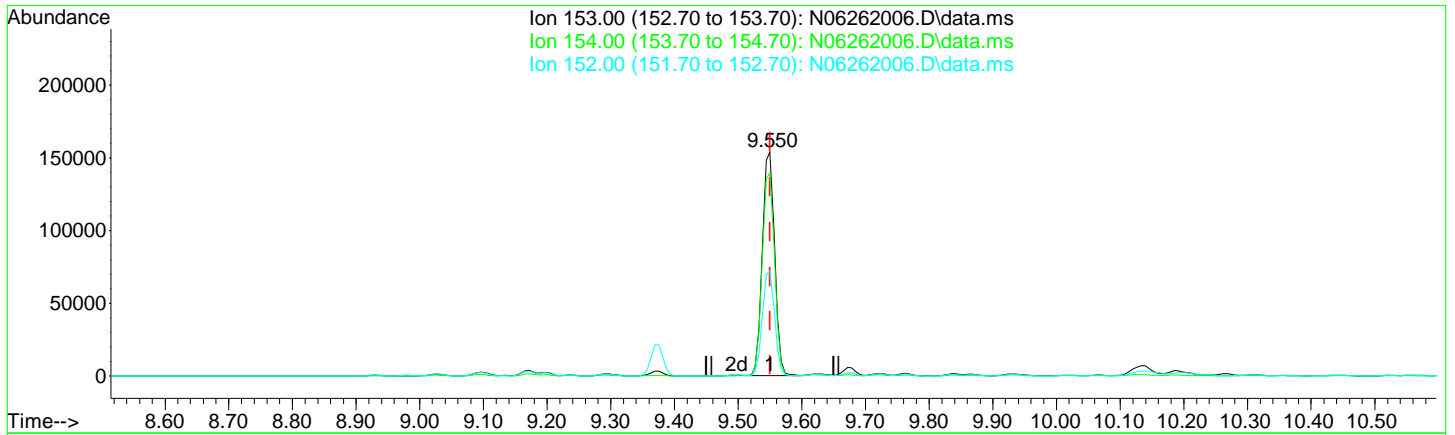
response 29457

| Ion | Exp% | Act% |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 153.00 | 12.70 | 16.35 |
| 151.00 | 19.30 | 21.67 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(12) Acenaphthene (T)

9.550min (+ 0.000) 97.91 ng/ml

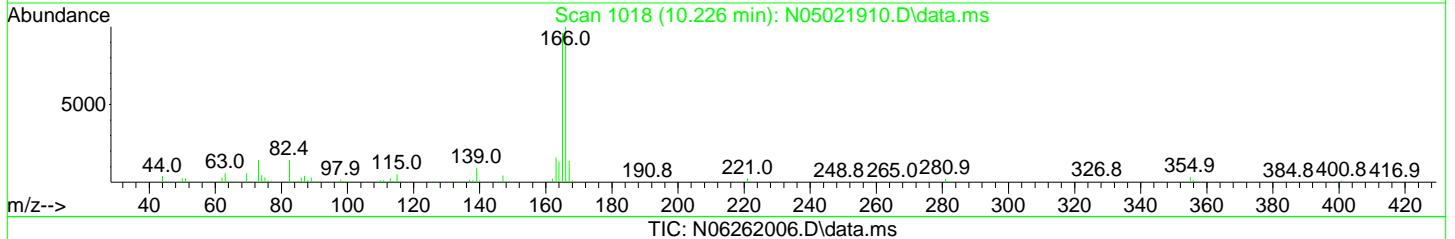
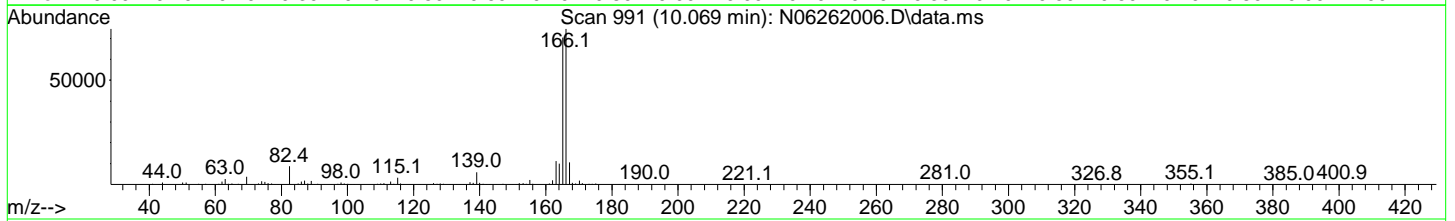
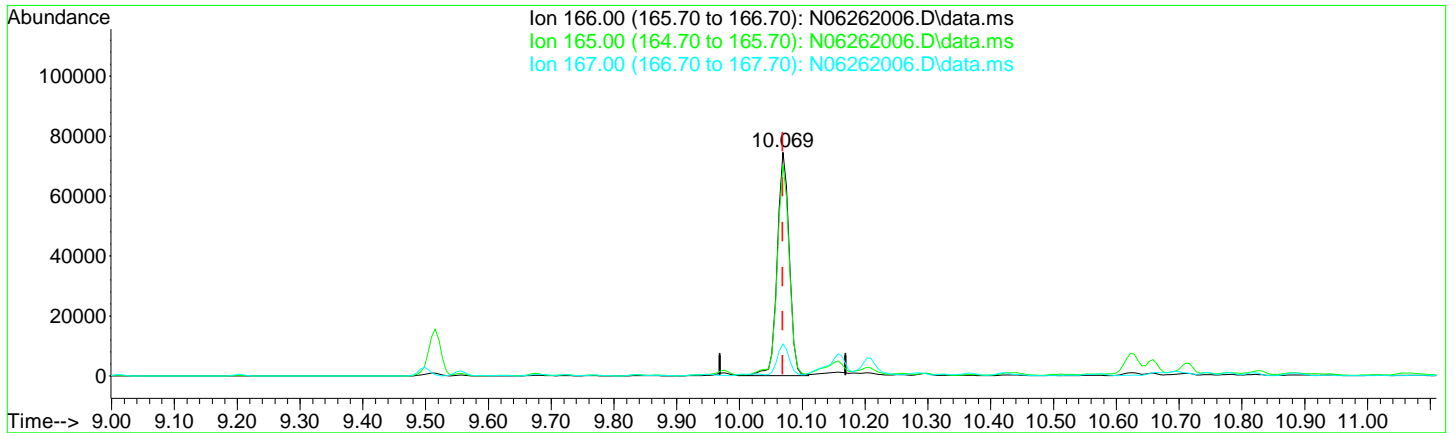
response 204543

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 90.72 |
| 152.00 | 46.80 | 46.83 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(15) Fluorene (T)

10.069min (+ 0.000) 48.79 ng/ml

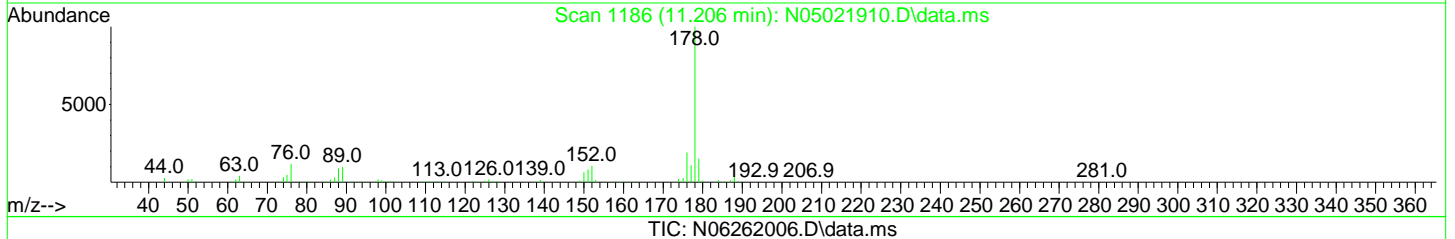
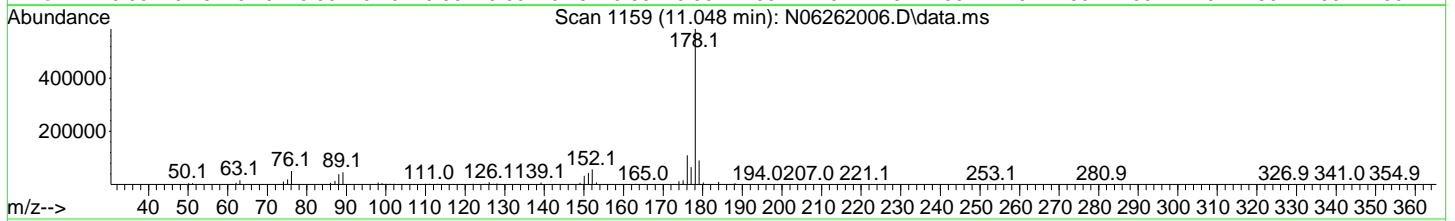
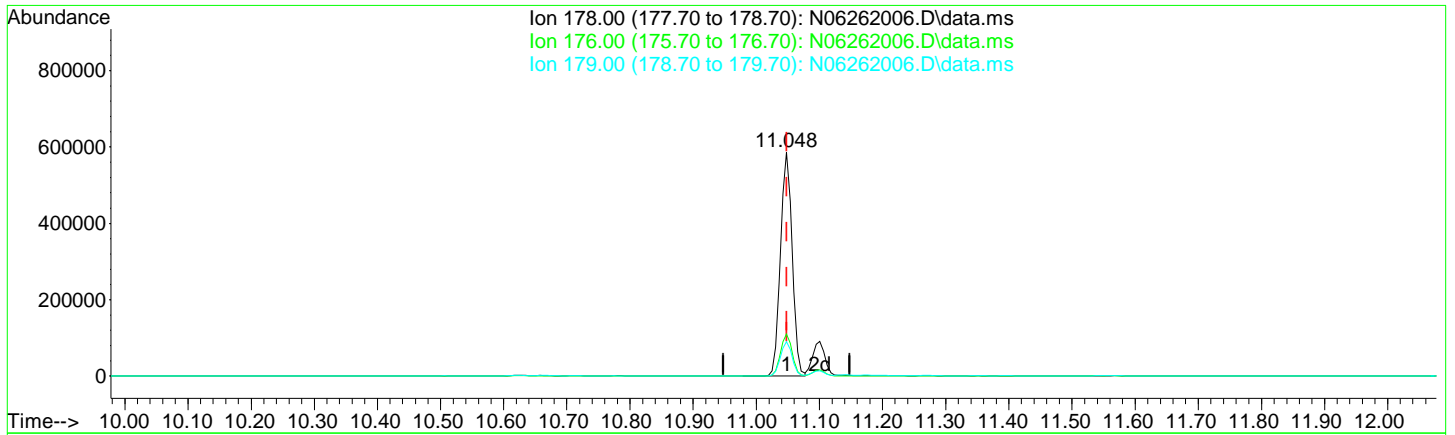
response 97997

| Ion | Exp% | Act% |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70 | 94.48 |
| 167.00 | 13.60 | 14.26 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(18) Phenanthrene (T)

11.048min (+ 0.000) 242.79 ng/ml

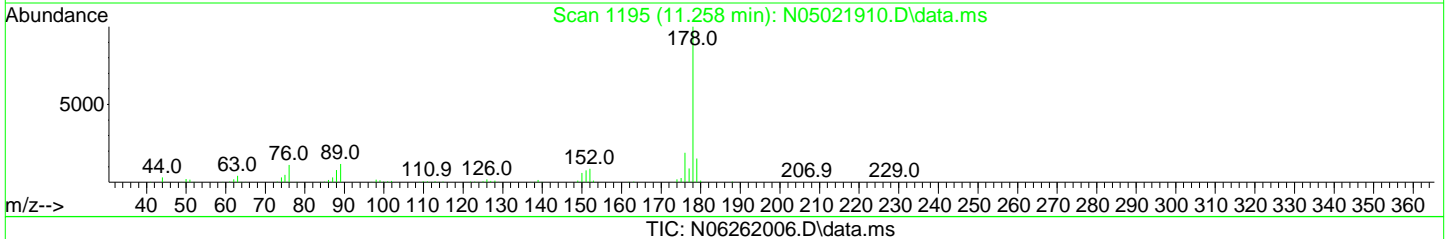
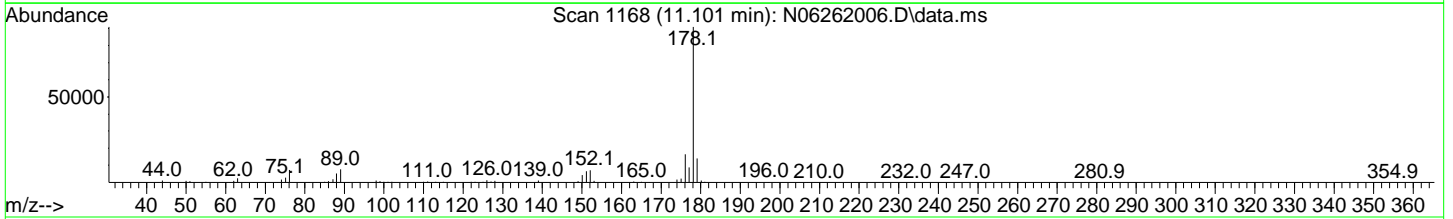
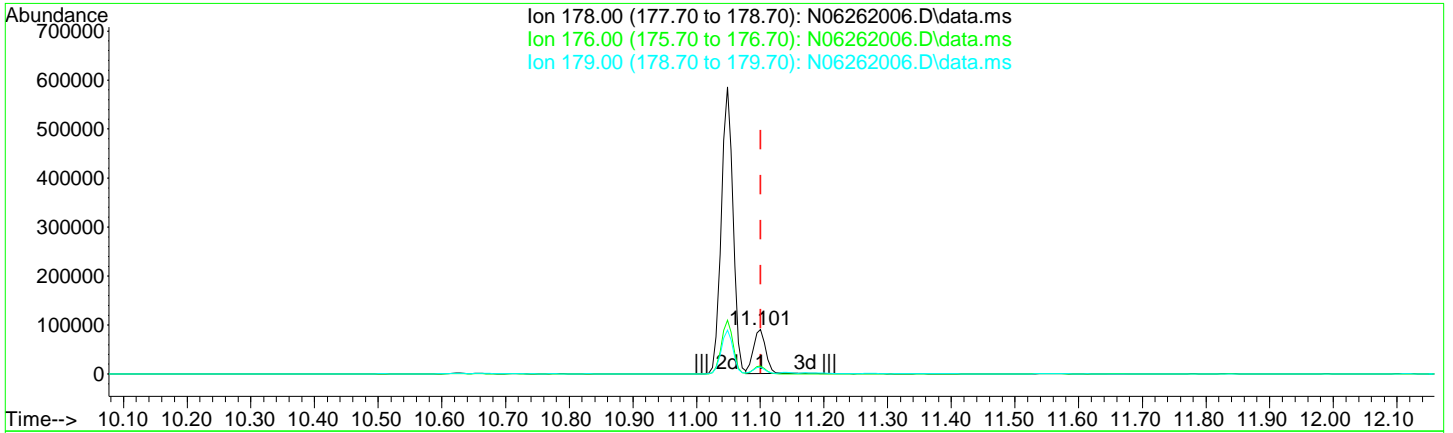
response 755138

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 18.78 |
| 179.00 | 15.10 | 15.35 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(19) Anthracene (T)

11.101min (+ 0.000) 47.48 ng/ml

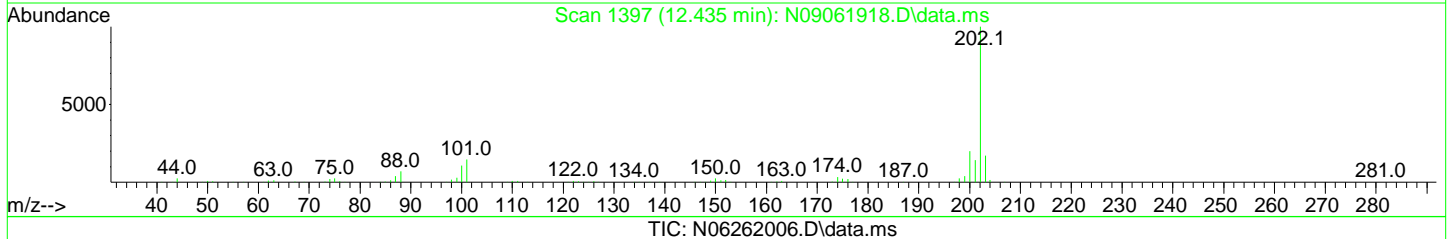
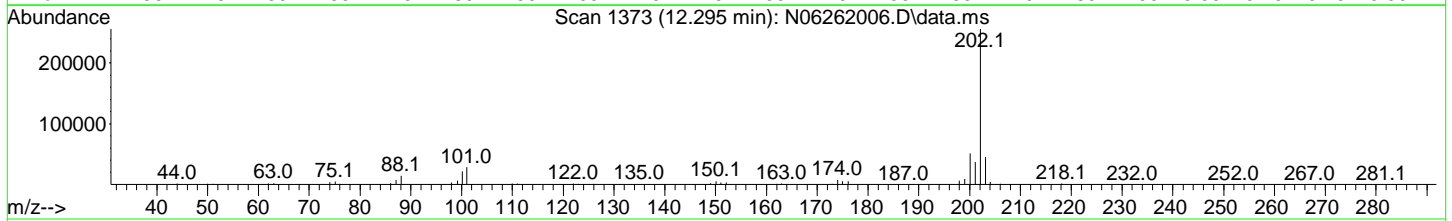
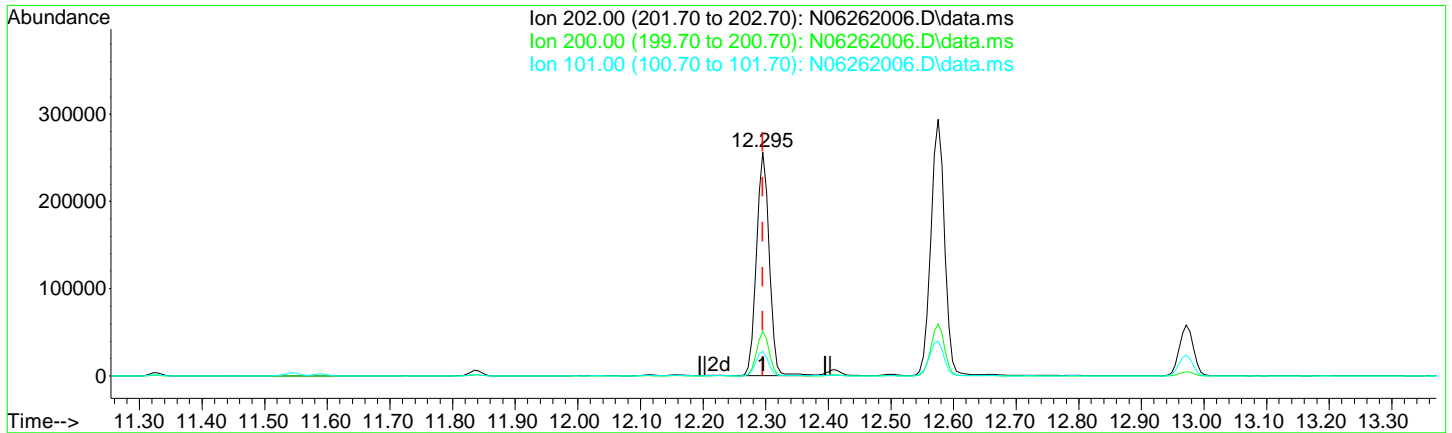
response 120936

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 18.24 |
| 179.00 | 15.30 | 15.35 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(22) Fluoranthene (T)

12.295min (+ 0.000) 117.37 ng/ml

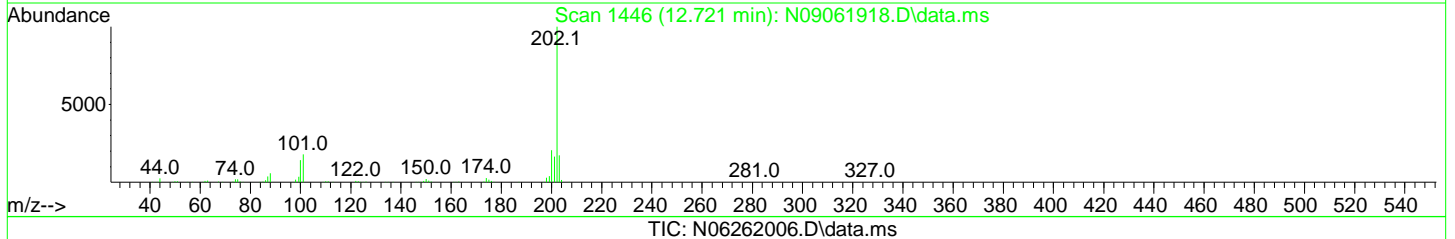
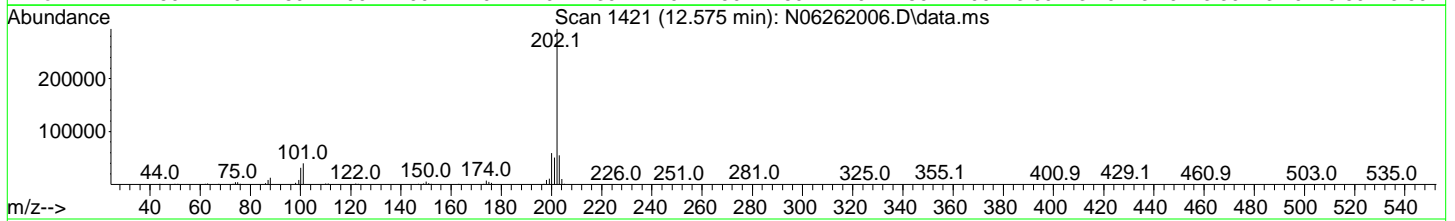
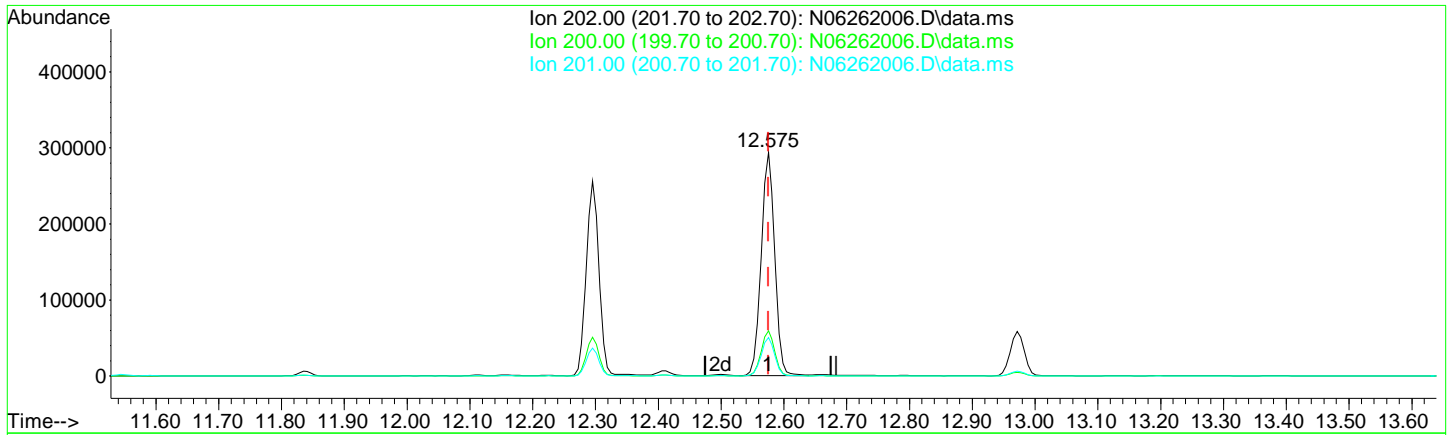
response 359768

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 19.70 | 19.96 |
| 101.00 | 15.30 | 11.06 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(24) Pyrene (T)

12.575min (+ 0.000) 152.68 ng/ml

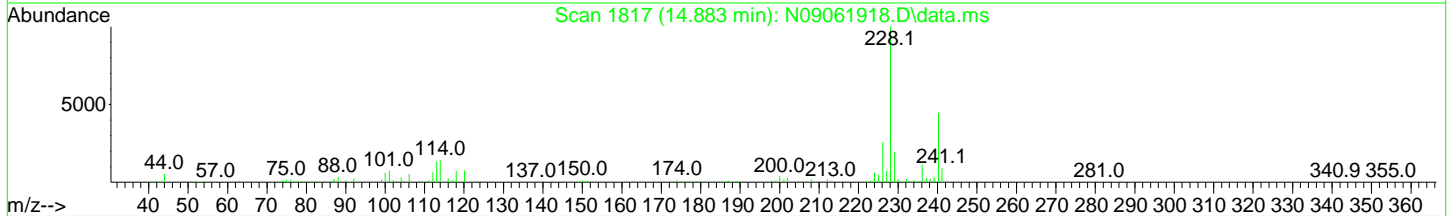
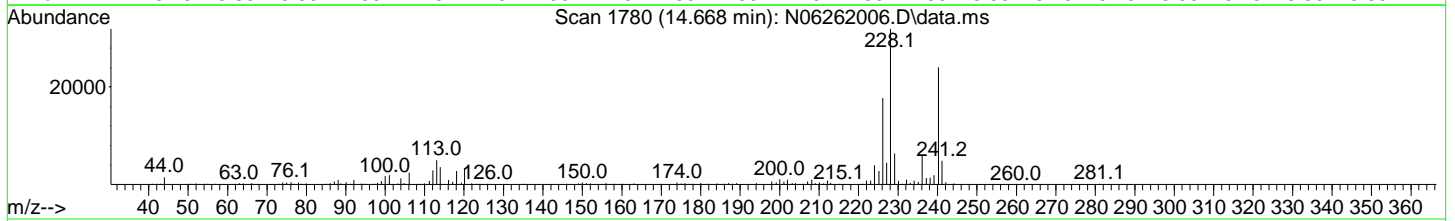
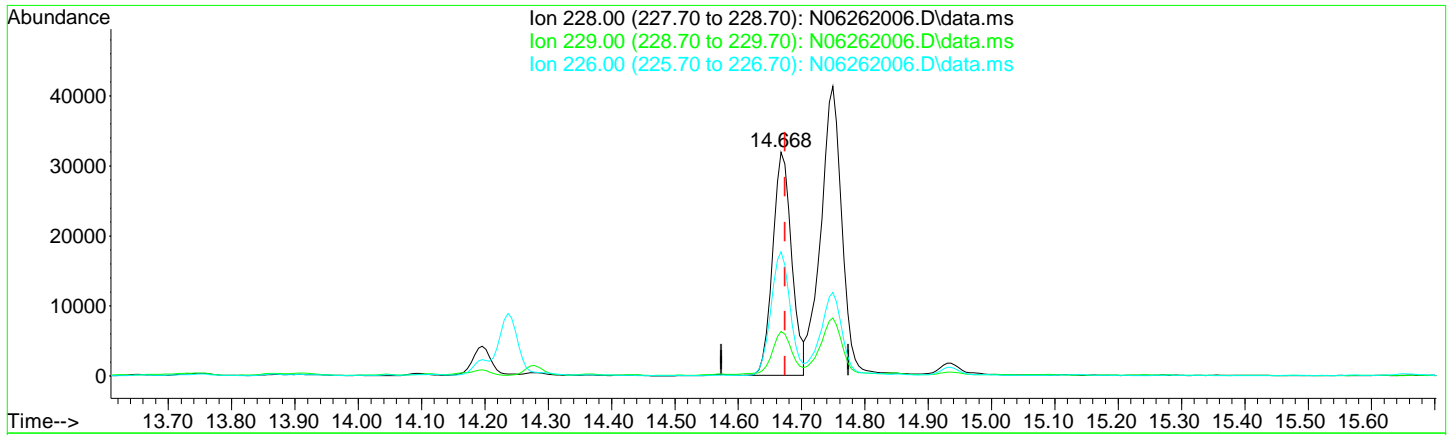
response 443401

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.20 |
| 201.00 | 16.80 | 17.15 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(26) Benz(a)anthracene (T)

14.668min (-0.006) 28.61 ng/ml

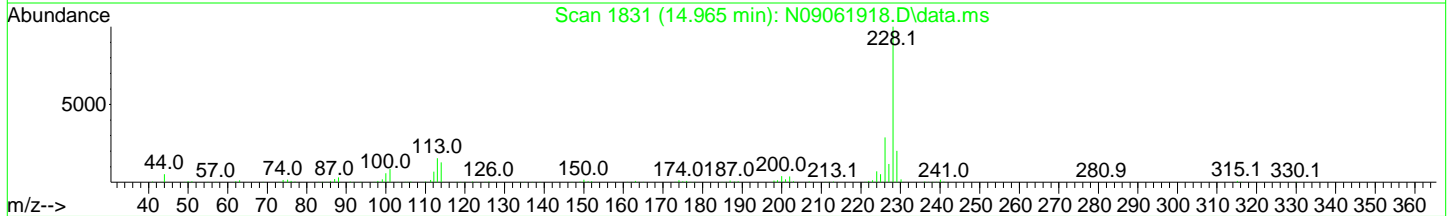
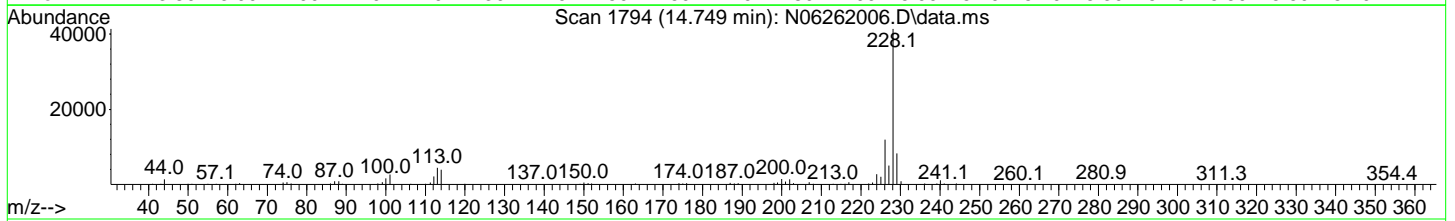
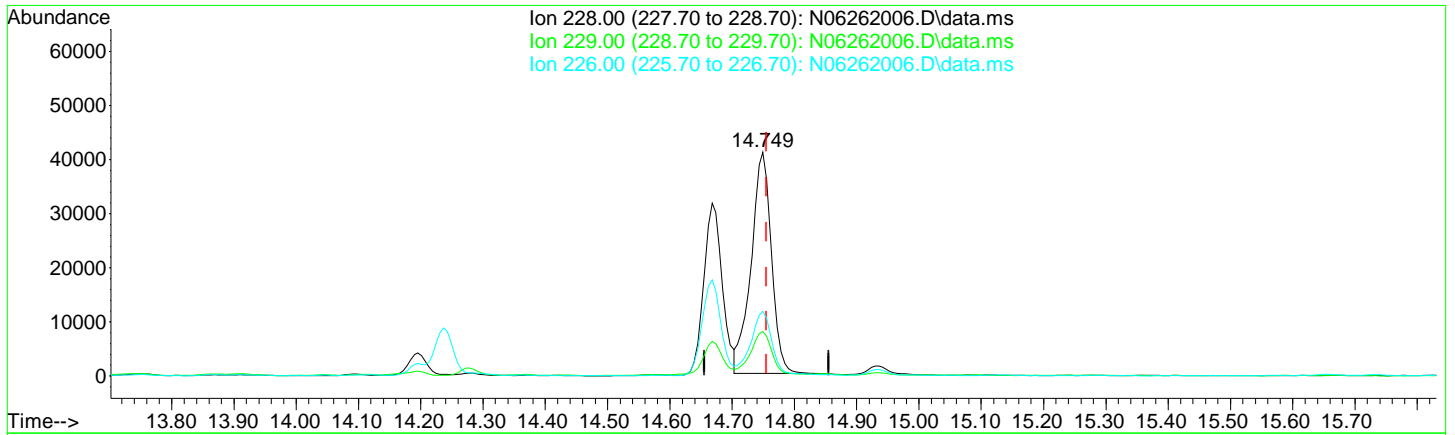
response 66422

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.40 | 19.94 |
| 226.00 | 26.20 | 55.53 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(27) Chrysene (T)

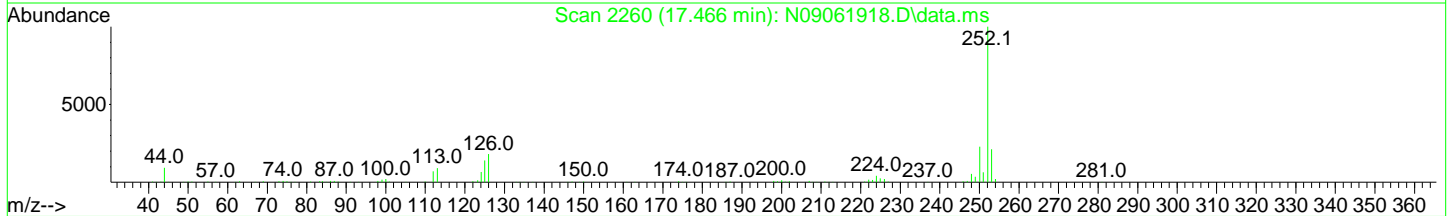
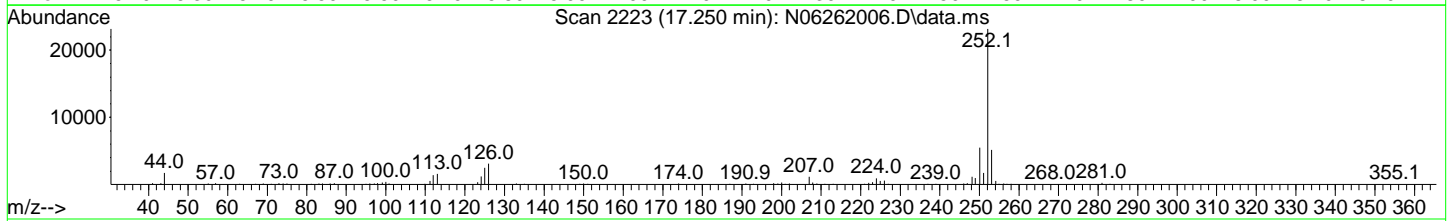
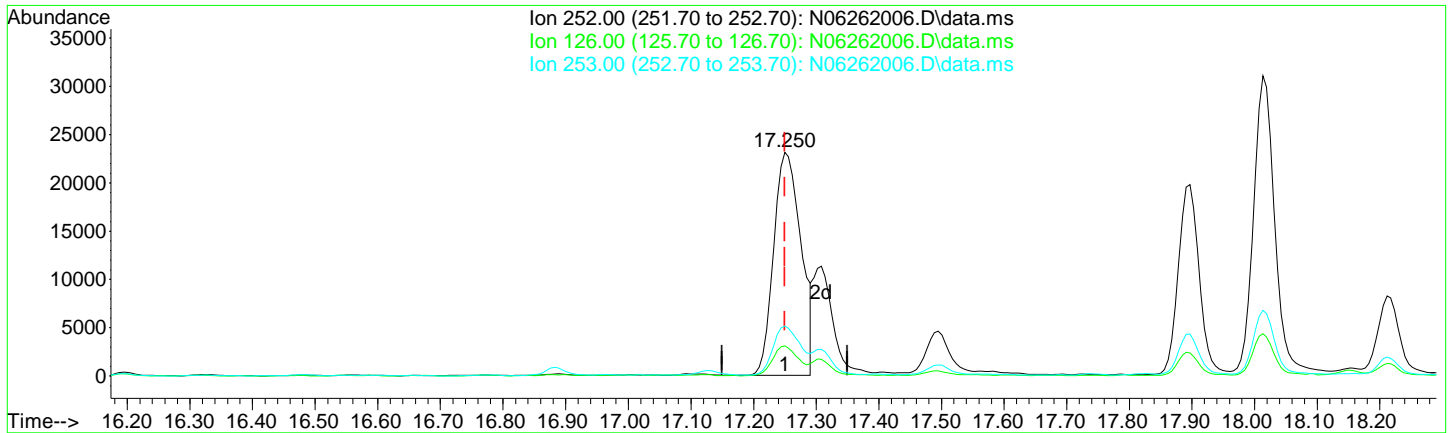
14.749min (-0.006) 38.82 ng/ml

| response | | |
|----------|--------|--------|
| 92700 | Ion | Exp% |
| | Act% | |
| | 228.00 | 100.00 |
| | 229.00 | 19.60 |
| | 226.00 | 28.60 |
| | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(29) Benzo(b)fluoranthene (T)

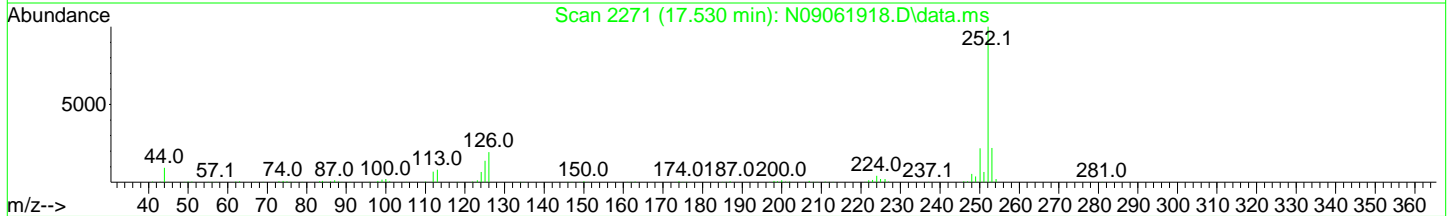
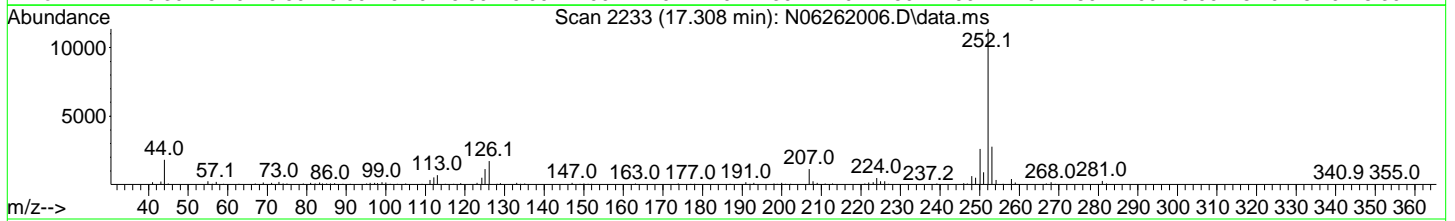
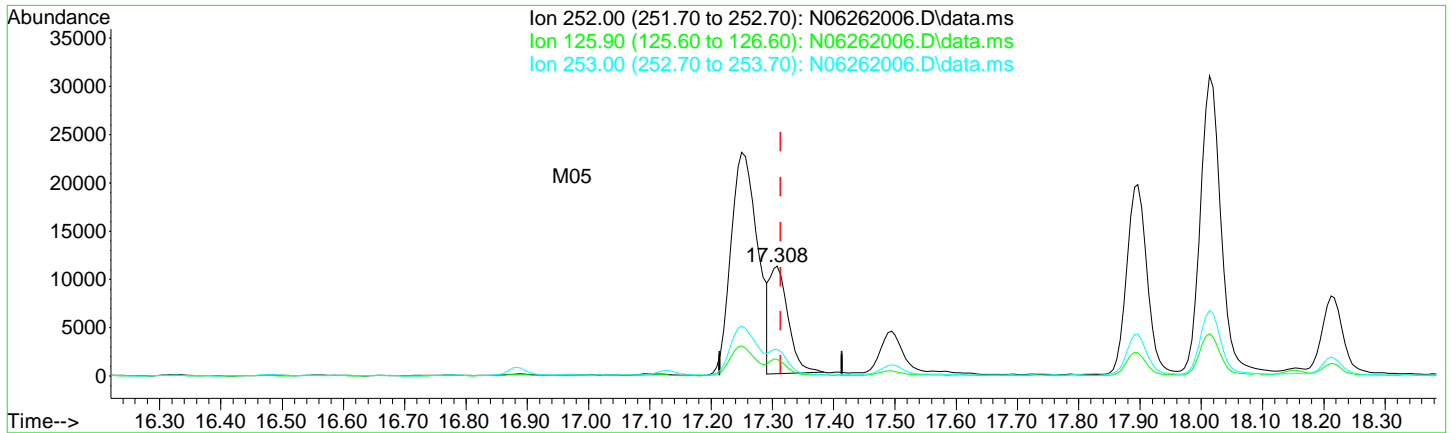
17.250min (+ 0.000) 32.60 ng/ml

| response | 70429 |
|----------|---------------|
| Ion | Exp% Act% |
| 252.00 | 100.00 100.00 |
| 126.00 | 20.00 13.53 |
| 253.00 | 21.10 22.27 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(30) Benzo(k)fluoranthene (T)

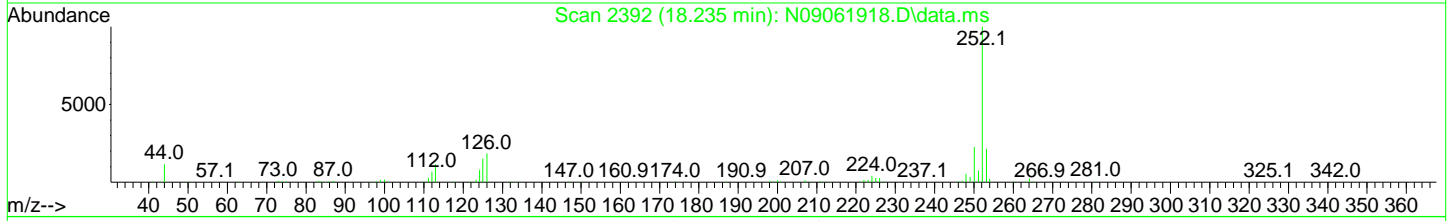
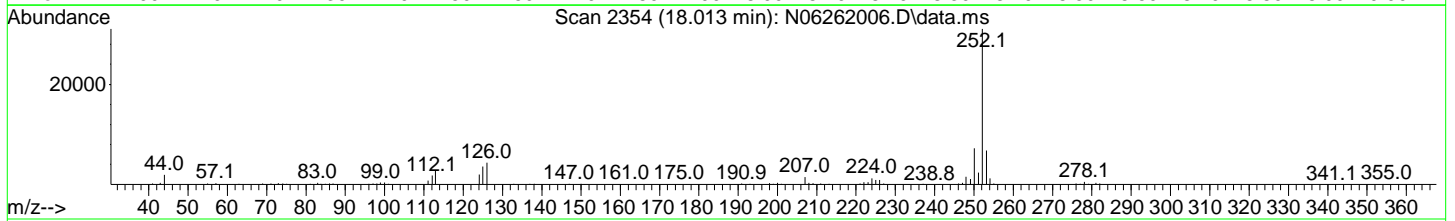
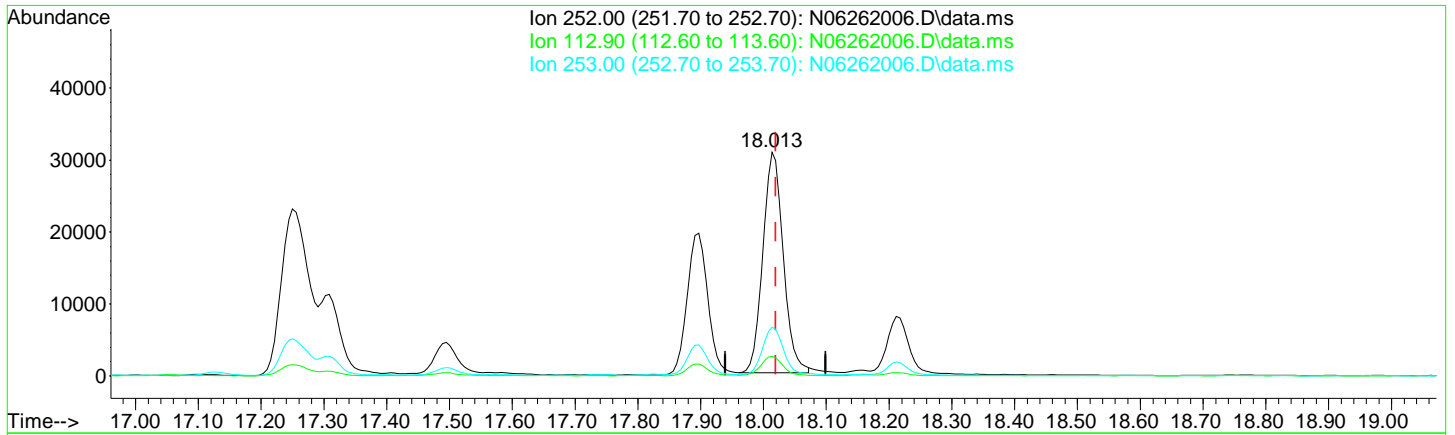
17.308min (-0.006) 10.73 ng/ml m

| response | | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 15.26 |
| 253.00 | 21.50 | 24.38 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(33) Benzo(a)pyrene (T)

18.013min (-0.006) 40.47 ng/ml

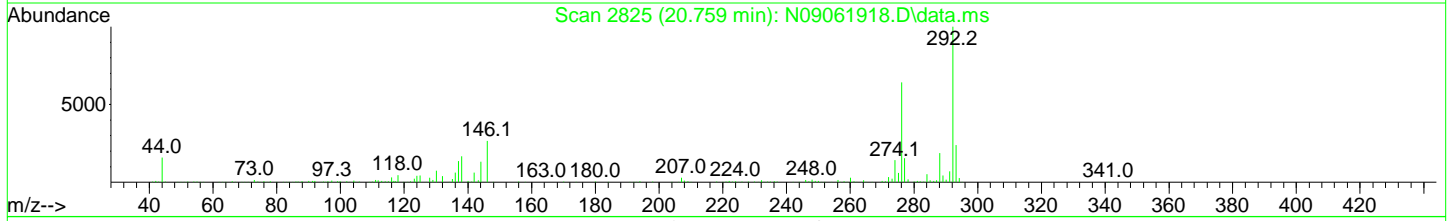
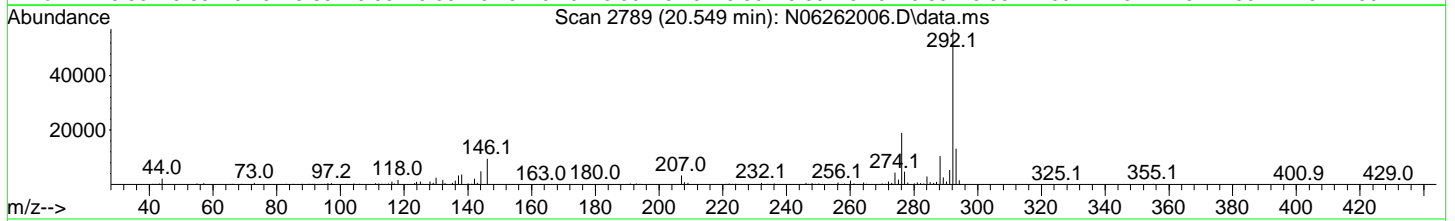
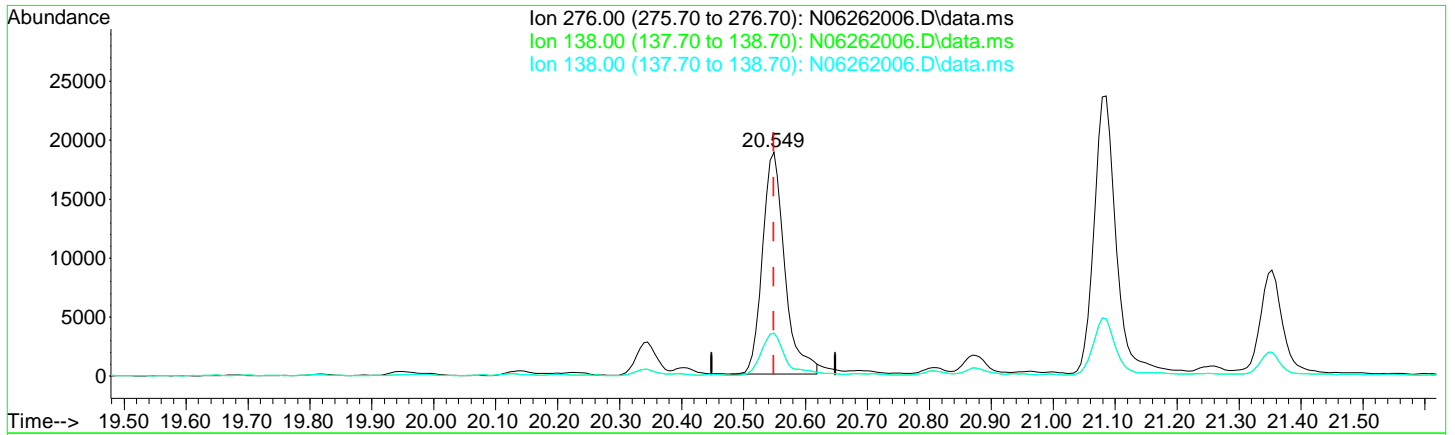
response 69538

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 8.86 |
| 253.00 | 21.90 | 21.81 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



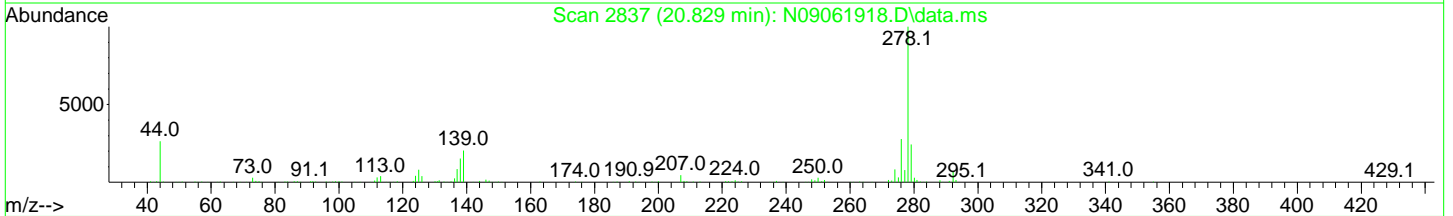
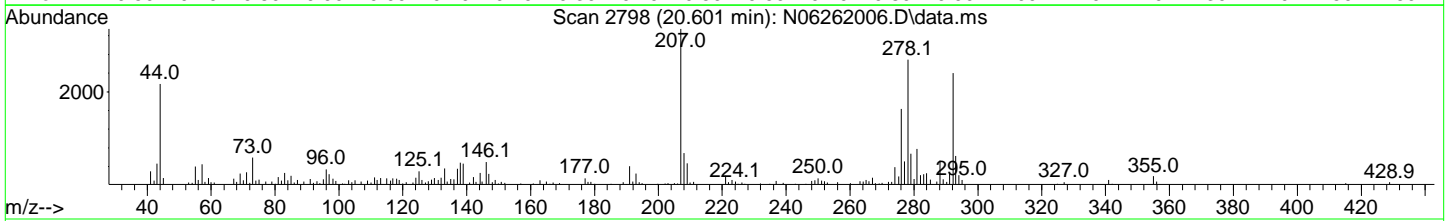
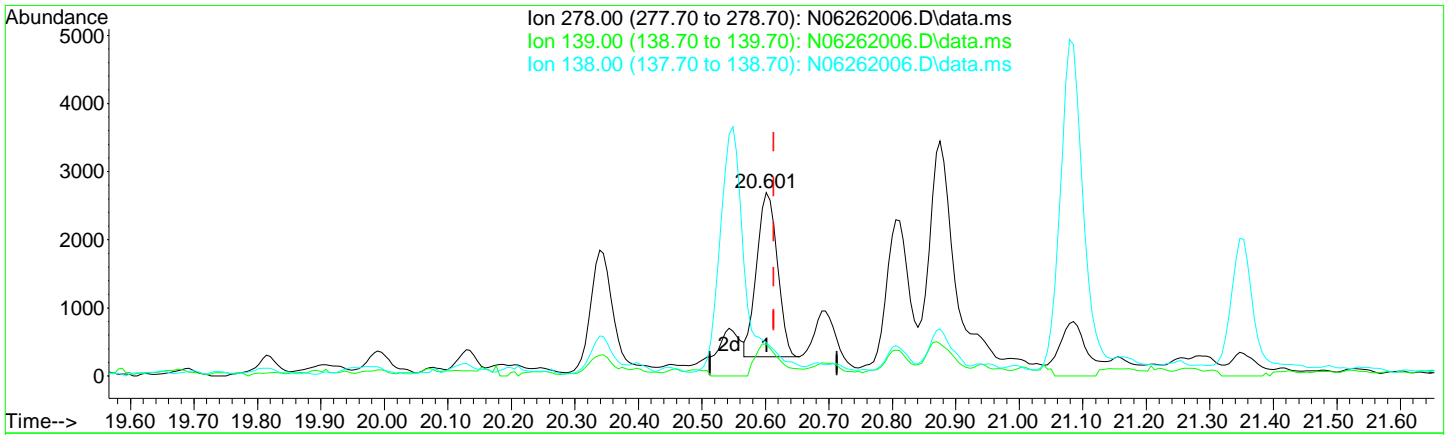
TIC: N06262006.D\data.ms

| (36) Indeno(1,2,3-cd)Pyrene (T) | | |
|---------------------------------|-------------|--------|
| 20.549min (+ 0.000) | 24.14 ng/ml | |
| response | 47063 | |
| Ion | Exp% | Act% |
| 276.00 | 100.00 | 100.00 |
| 138.00 | 31.60 | 19.30 |
| 138.00 | 31.60 | 19.30 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



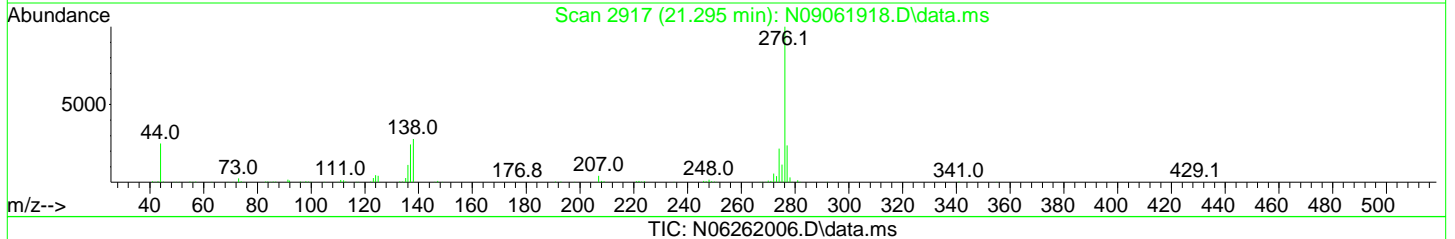
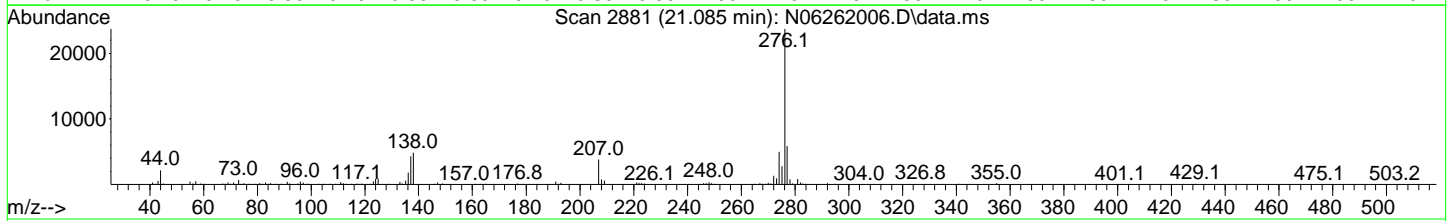
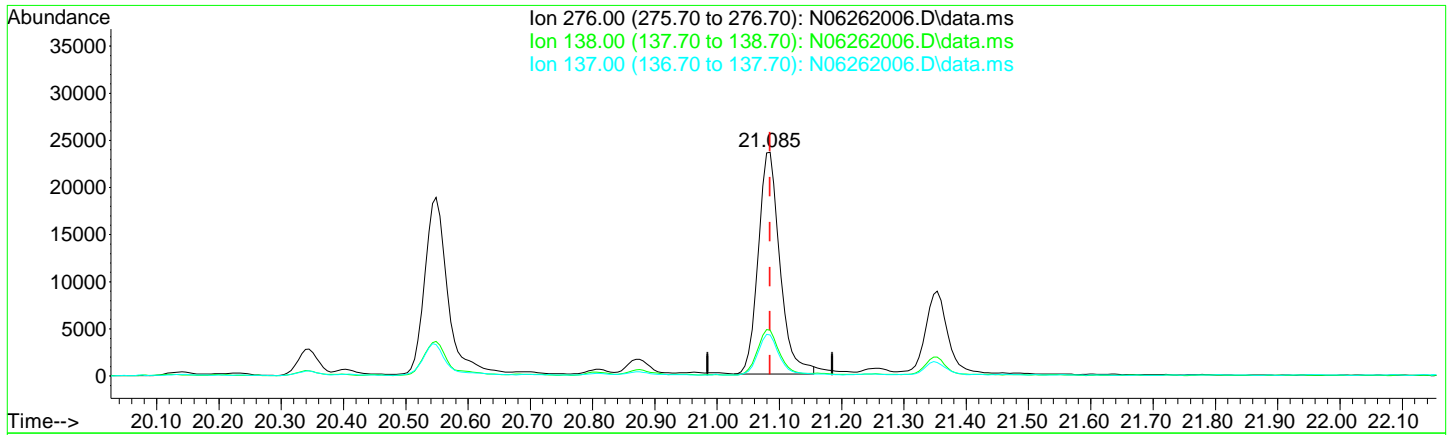
TIC: N06262006.D\data.ms

| (37) Dibenz(a,h)anthracene (T) | | |
|--------------------------------|------------|--------|
| 20.601min (-0.012) | 2.74 ng/ml | |
| response | 5384 | |
| Ion | Exp% | Act% |
| 278.00 | 100.00 | 100.00 |
| 139.00 | 26.00 | 17.37 |
| 138.00 | 19.90 | 18.12 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262006.D
 Acq On : 26 Jun 2020 12:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-01RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 09:27:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262006.D\data.ms

(38) Benzo(g,h,i)perylene (T)

| | | |
|---------------------|--------|--------|
| 21.085min (+ 0.000) | 27.34 | ng/ml |
| response | 57176 | |
| Ion | Exp% | Act% |
| 276.00 | 100.00 | 100.00 |
| 138.00 | 34.40 | 20.46 |
| 137.00 | 28.60 | 18.33 |
| 0.00 | 0.00 | 0.00 |

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262007.D
 Acq On : 26 Jun 2020 12:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060858-DUP1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

M05

Quant Time: Jun 29 09:37:31 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 227734 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 147159 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 254666 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 201637 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.153 | 264 | 189478 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.537 | 292 | 160013 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.073 | 82 | 110 | 0.15 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.827 | 172 | 373 | 0.16 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.767 | 244 | 395 | 0.20 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Decalin | 0.000 | | 0 | N.D. | | |
| 4) Naphthalene | 7.784 | 128 | 29367 | 11.84 | ng/ml | 100 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 4685 | 2.81 | ng/ml | 95 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 40591 | 24.55 | ng/ml | 97 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 1454 | 0.69 | ng/ml | 92 |
| 8) 2,6-Dimethylnaphthalene | 9.095 | 156 | 20860 | 14.49 | ng/ml | 95 |
| 11) Acenaphthylene | 9.375 | 152 | 23436 | 8.54 | ng/ml | 95 |
| 12) Acenaphthene | 9.550 | 153 | 118192 | 58.72 | ng/ml | 99 |
| 13) Dibenzofuran | 9.725 | 168 | 11640 | 4.78 | ng/ml | 96 |
| 14) 1,6,7-Trimethylnaphtha... | 9.935 | 170 | 7260 | 4.60 | ng/ml | 95 |
| 15) Fluorene | 10.069 | 166 | 58823 | 30.39 | ng/ml | 100 |
| 17) Dibenzothiopene | 10.920 | 184 | 64820 | 25.19 | ng/ml | 95 |
| 18) Phenanthrene | 11.048 | 178 | 545756 | 186.18 | ng/ml | 99 |
| 19) Anthracene | 11.101 | 178 | 77754 | 32.39 | ng/ml | 99 |
| 20) Carbazole | 11.270 | 167 | 10071 | 4.86 | ng/ml | 98 |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 14716 | 7.44 | ng/ml | 97 |
| 22) Fluoranthene | 12.295 | 202 | 312985 | 108.34 | ng/ml | 95 |
| 24) Pyrene | 12.575 | 202 | 391005 | 149.51 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.668 | 228 | 55778 | 26.67 | ng/ml | 67 |
| 27) Chrysene | 14.749 | 228 | 68377 | 31.79 | ng/ml | 98 |
| 29) Benzo(b)fluoranthene | 17.250 | 252 | 60131 | 30.70 | ng/ml | 91 |
| 30) Benzo(k)fluoranthene | 17.308 | 252 | 20742m | 10.62 | ng/ml | |
| 31) Benzo(b+k)fluoranthene | 17.250 | 252 | 85000 | 41.27 | ng/ml | 89 |
| 32) Benzo(e)pyrene | 17.897 | 252 | 39668 | 19.37 | ng/ml | 98 |

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262007.D
 Acq On : 26 Jun 2020 12:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060858-DUP1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 29 09:37:31 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

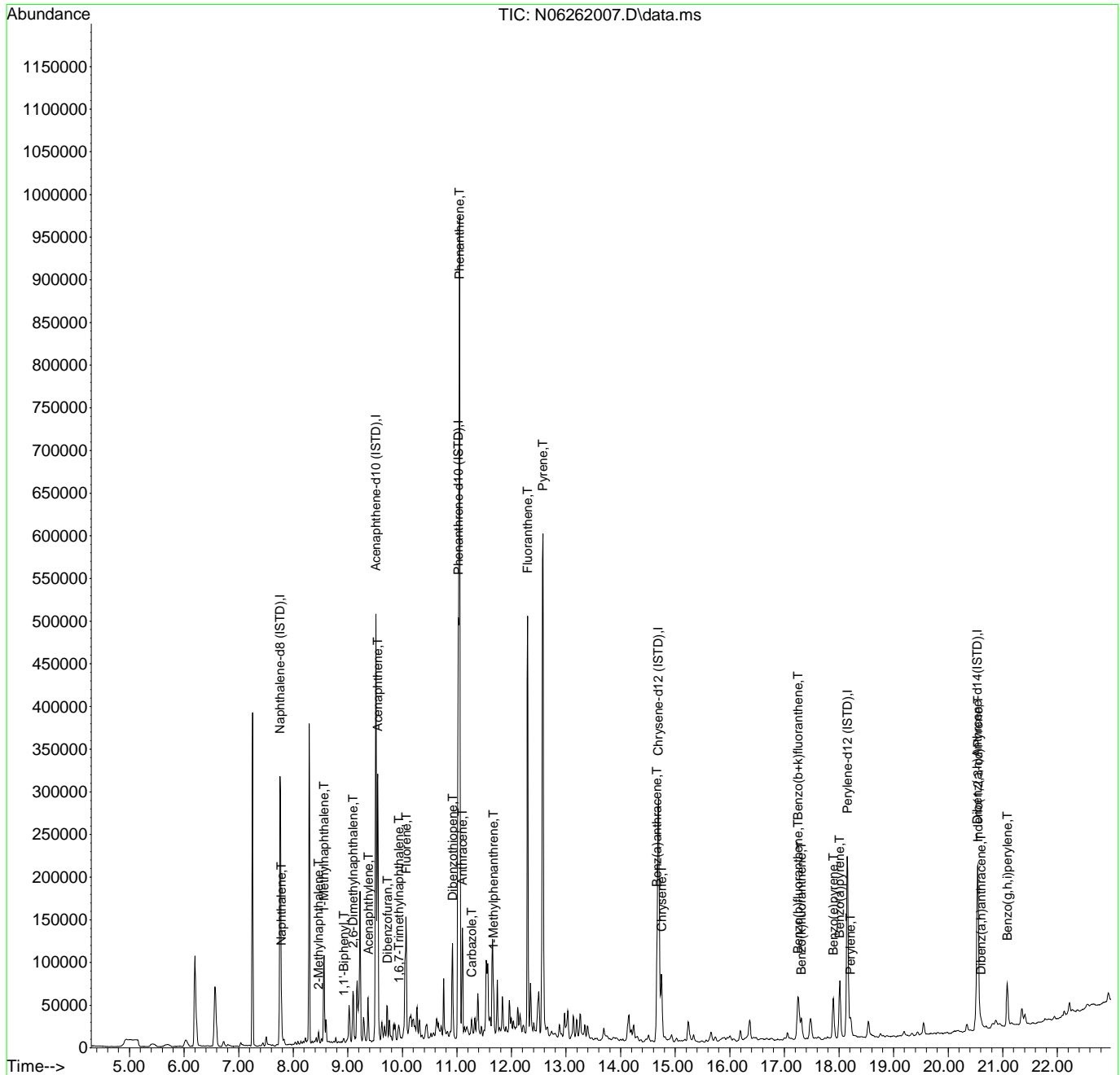
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.013 | 252 | 59342 | 38.15 | ng/ml | 95 |
| 34) Perylene | 18.211 | 252 | 17845 | 8.46 | ng/ml | 98 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.549 | 276 | 40903 | 23.53 | ng/ml | 77 |
| 37) Dibenz(a,h)anthracene | 20.601 | 278 | 4848 | 2.77 | ng/ml | 87 |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 50637 | 27.16 | ng/ml | 76 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262007.D
 Acq On : 26 Jun 2020 12:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060858-DUP1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 29 09:37:31 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262007.D
 Acq On : 26 Jun 2020 12:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060858-DUP1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 29 09:36:13 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|------|----------|--------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 227734 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 147159 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 254666 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 201637 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.153 | 264 | 189478 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthrcene-d... | 20.537 | 292 | 160013 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.073 | 82 | 110 | 0.15 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.827 | 172 | 373 | 0.16 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.767 | 244 | 395 | 0.20 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Decalin | 0.000 | | 0 | N.D. | | | |
| 4) Naphthalene | 7.784 | 128 | 29367 | 11.84 | ng/ml | | 100 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 4685 | 2.81 | ng/ml | | 95 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 40591 | 24.55 | ng/ml | | 97 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 1454 | 0.69 | ng/ml | | 92 |
| 8) 2,6-Dimethylnaphthalene | 9.095 | 156 | 20860 | 14.49 | ng/ml | | 95 |
| 11) Acenaphthylene | 9.375 | 152 | 23436 | 8.54 | ng/ml | | 95 |
| 12) Acenaphthene | 9.550 | 153 | 118192 | 58.72 | ng/ml | | 99 |
| 13) Dibenzofuran | 9.725 | 168 | 11640 | 4.78 | ng/ml | | 96 |
| 14) 1,6,7-Trimethylnaphtha... | 9.935 | 170 | 7260 | 4.60 | ng/ml | | 95 |
| 15) Fluorene | 10.069 | 166 | 58823 | 30.39 | ng/ml | | 100 |
| 17) Dibenzothiopene | 10.920 | 184 | 64820 | 25.19 | ng/ml | | 95 |
| 18) Phenanthrene | 11.048 | 178 | 545756 | 186.18 | ng/ml | | 99 |
| 19) Anthracene | 11.101 | 178 | 77754 | 32.39 | ng/ml | | 99 |
| 20) Carbazole | 11.270 | 167 | 10071 | 4.86 | ng/ml | | 98 |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 14716 | 7.44 | ng/ml | | 97 |
| 22) Fluoranthene | 12.295 | 202 | 312985 | 108.34 | ng/ml | | 95 |
| 24) Pyrene | 12.575 | 202 | 391005 | 149.51 | ng/ml | | 99 |
| 26) Benz(a)anthracene | 14.668 | 228 | 55778 | 26.67 | ng/ml | | 67 |
| 27) Chrysene | 14.749 | 228 | 68377 | 31.79 | ng/ml | | 98 |
| 29) Benzo(b)fluoranthene | 17.250 | 252 | 60131 | 30.70 | ng/ml | | 91 |
| 30) Benzo(k)fluoranthene | 17.250 | 252 | 76216 | 39.03 | ng/ml | | 89 |
| 31) Benzo(b+k)fluoranthene | 17.250 | 252 | 85000 | 41.27 | ng/ml | | 89 |
| 32) Benzo(e)pyrene | 17.897 | 252 | 39668 | 19.37 | ng/ml | | 98 |

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262007.D
 Acq On : 26 Jun 2020 12:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060858-DUP1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 29 09:36:13 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

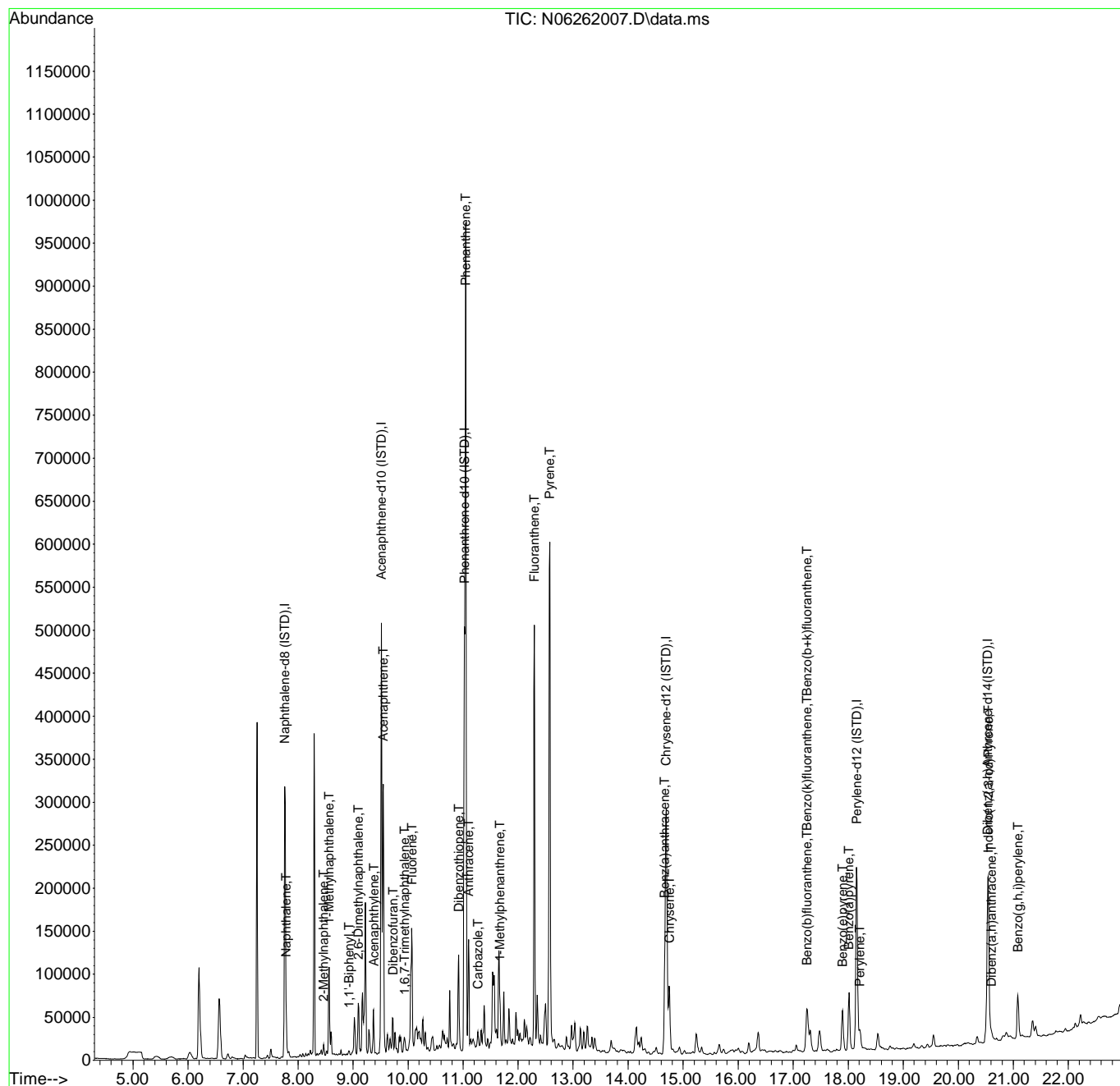
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.013 | 252 | 59342 | 38.15 | ng/ml | 95 |
| 34) Perylene | 18.211 | 252 | 17845 | 8.46 | ng/ml | 98 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.549 | 276 | 40903 | 23.53 | ng/ml | 77 |
| 37) Dibenz(a,h)anthracene | 20.601 | 278 | 4848 | 2.77 | ng/ml | 87 |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 50637 | 27.16 | ng/ml | 76 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262007.D
 Acq On : 26 Jun 2020 12:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060858-DUP1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

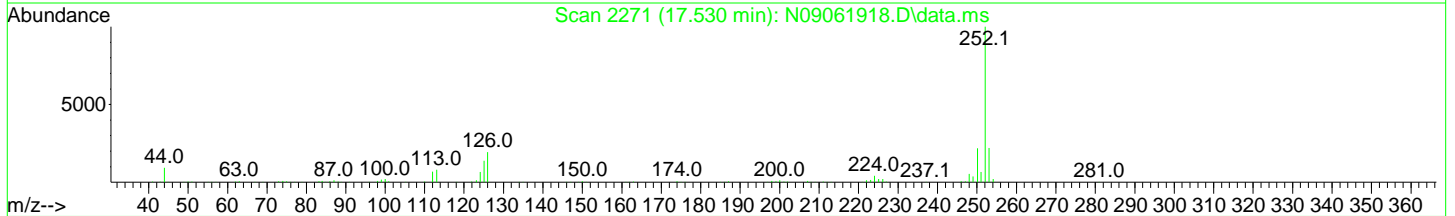
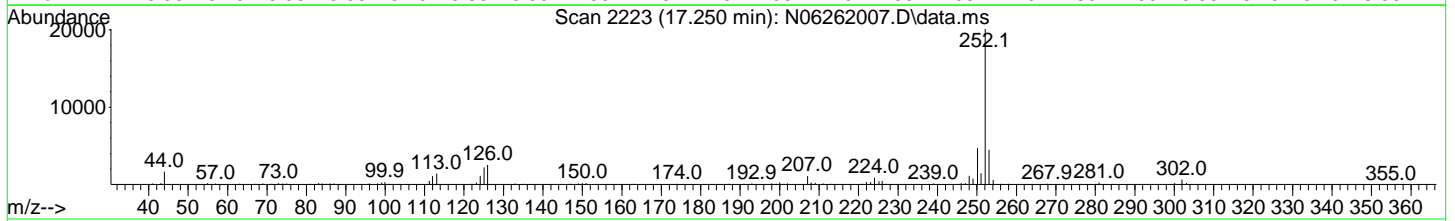
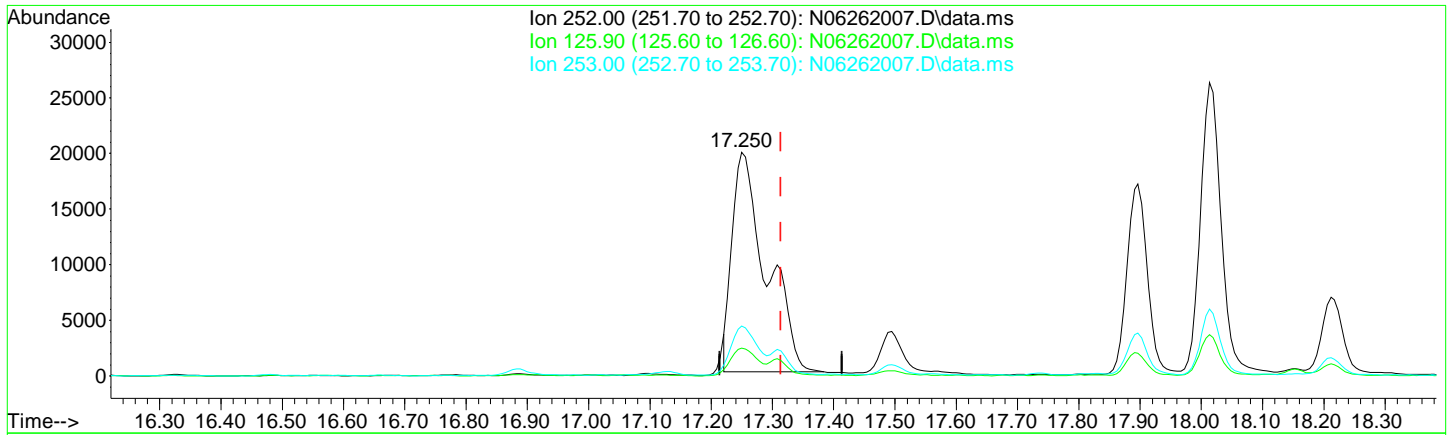
Quant Time: Jun 29 09:36:13 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262007.D
 Acq On : 26 Jun 2020 12:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060858-DUP1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 29 09:36:13 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262007.D\data.ms

(30) Benzo(k)fluoranthene (T)

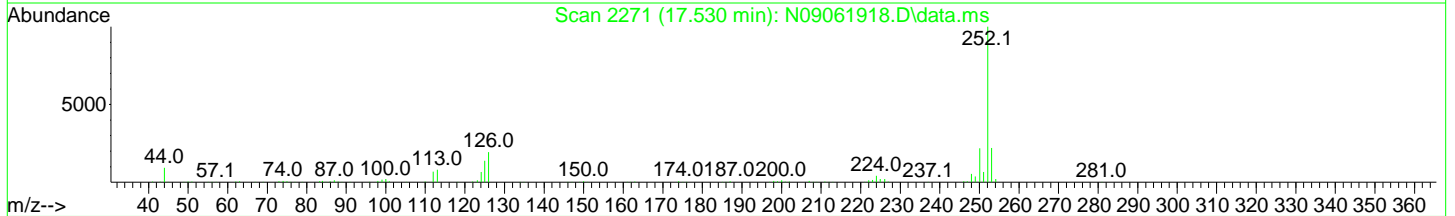
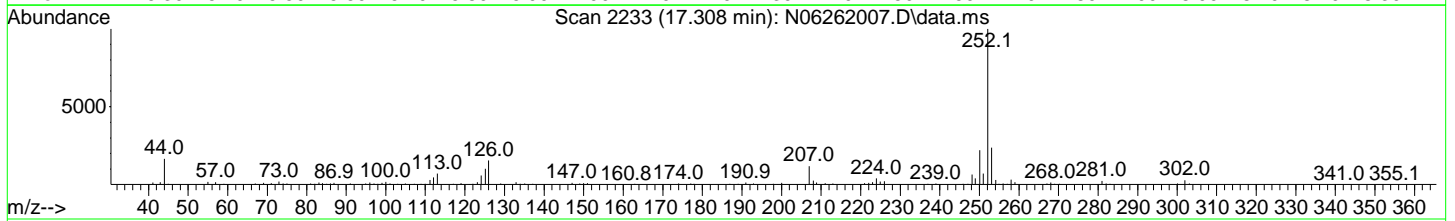
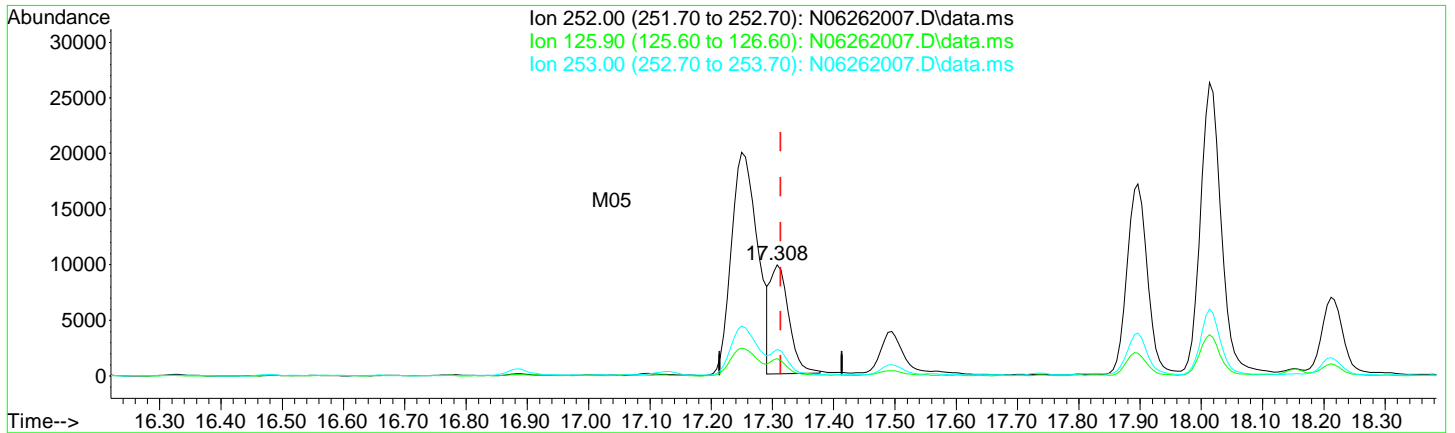
17.250min (-0.064) 39.03 ng/ml

| response | 76216 |
|----------|---------------|
| Ion | Exp% Act% |
| 252.00 | 100.00 100.00 |
| 125.90 | 22.10 12.54 |
| 253.00 | 21.50 22.25 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262007.D
 Acq On : 26 Jun 2020 12:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060858-DUP1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 29 09:36:13 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262007.D\data.ms

(30) Benzo(k)fluoranthene (T)

17.308min (-0.006) 10.62 ng/ml m

| response | | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 15.51 |
| 253.00 | 21.50 | 23.90 |
| 0.00 | 0.00 | 0.00 |

AML 06/29/20

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

M05

Quant Time: Jun 29 09:47:20 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 244302 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 163570 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 302131 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 271436 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.159 | 264 | 260542 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.543 | 292 | 223554 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.038 | 82 | 114 | 0.15 | ng/ml | -0.03 |
| 10) 2-Fluorobiphenyl (Surr) | 8.827 | 172 | 157 | 0.06 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.768 | 244 | 248 | 0.09 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| 3) Decalin | 0.000 | | 0 | N.D. | | Qvalue |
| 4) Naphthalene | 7.784 | 128 | 3575 | 1.34 | ng/ml | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 778 | 0.44 | ng/ml | 89 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 34751 | 19.59 | ng/ml | 97 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 364 | N.D. | | |
| 8) 2,6-Dimethylnaphthalene | 9.095 | 156 | 13368 | 8.65 | ng/ml | 96 |
| 11) Acenaphthylene | 9.375 | 152 | 30070 | 9.86 | ng/ml | 96 |
| 12) Acenaphthene | 9.550 | 153 | 124872 | 55.81 | ng/ml | 99 |
| 13) Dibenzofuran | 9.725 | 168 | 11404 | 4.21 | ng/ml | 93 |
| 14) 1,6,7-Trimethylnaphtha... | 9.929 | 170 | 4652 | 2.65 | ng/ml | 93 |
| 15) Fluorene | 10.069 | 166 | 70124 | 32.60 | ng/ml | 100 |
| 17) Dibenzothiopene | 10.920 | 184 | 84844 | 27.79 | ng/ml | 94 |
| 18) Phenanthrene | 11.048 | 178 | 742147 | 213.40 | ng/ml | 99 |
| 19) Anthracene | 11.101 | 178 | 113588 | 39.88 | ng/ml | 98 |
| 20) Carbazole | 11.270 | 167 | 7137 | 2.90 | ng/ml | 95 |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 15435 | 6.58 | ng/ml | 92 |
| 22) Fluoranthene | 12.295 | 202 | 494613 | 144.31 | ng/ml | 95 |
| 24) Pyrene | 12.575 | 202 | 594955 | 168.99 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.674 | 228 | 100845 | 35.83 | ng/ml | 72 |
| 27) Chrysene | 14.749 | 228 | 120492 | 41.62 | ng/ml | 98 |
| 29) Benzo(b)fluoranthene | 17.250 | 252 | 117187 | 43.51 | ng/ml | 91 |
| 30) Benzo(k)fluoranthene | 17.308 | 252 | 39105m | 14.56 | ng/ml | |
| 31) Benzo(b+k)fluoranthene | 17.250 | 252 | 166401 | 58.75 | ng/ml | 89 |
| 32) Benzo(e)pyrene | 17.897 | 252 | 74987 | 26.63 | ng/ml | 98 |

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:47:20 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

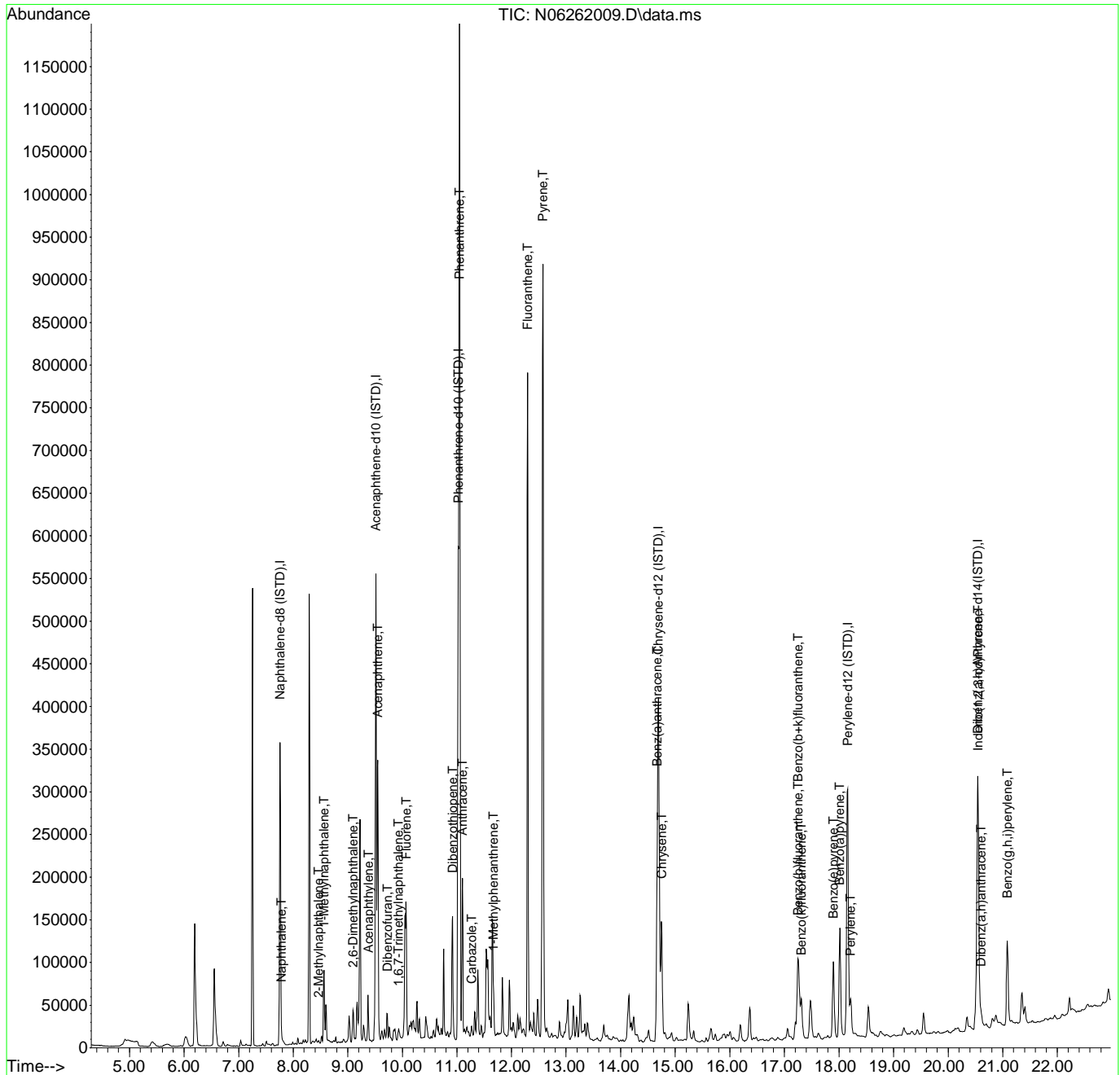
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.013 | 252 | 116587 | 53.99 | ng/ml | 96 |
| 34) Perylene | 18.212 | 252 | 36055 | 12.43 | ng/ml | 99 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.549 | 276 | 79497 | 32.74 | ng/ml | 79 |
| 37) Dibenz(a,h)anthracene | 20.601 | 278 | 9467 | 3.87 | ng/ml | 86 |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 97889 | 37.58 | ng/ml | 77 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
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Quant Time: Jun 29 09:47:20 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|------|----------|--------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 244302 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 163570 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 302131 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.691 | 240 | 271436 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.159 | 264 | 260542 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthrcene-d... | 20.543 | 292 | 223554 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.038 | 82 | 114 | 0.15 | ng/ml | -0.03 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.827 | 172 | 157 | 0.06 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.768 | 244 | 248 | 0.09 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Decalin | 0.000 | | 0 | N.D. | | | |
| 4) Naphthalene | 7.784 | 128 | 3575 | 1.34 | ng/ml | | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 778 | 0.44 | ng/ml | | 89 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 34751 | 19.59 | ng/ml | | 97 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 364 | N.D. | | | |
| 8) 2,6-Dimethylnaphthalene | 9.095 | 156 | 13368 | 8.65 | ng/ml | | 96 |
| 11) Acenaphthylene | 9.375 | 152 | 30070 | 9.86 | ng/ml | | 96 |
| 12) Acenaphthene | 9.550 | 153 | 124872 | 55.81 | ng/ml | | 99 |
| 13) Dibenzofuran | 9.725 | 168 | 11404 | 4.21 | ng/ml | | 93 |
| 14) 1,6,7-Trimethylnaphtha... | 9.929 | 170 | 4652 | 2.65 | ng/ml | | 93 |
| 15) Fluorene | 10.069 | 166 | 70124 | 32.60 | ng/ml | | 100 |
| 17) Dibenzothiopene | 10.920 | 184 | 84844 | 27.79 | ng/ml | | 94 |
| 18) Phenanthrene | 11.048 | 178 | 742147 | 213.40 | ng/ml | | 99 |
| 19) Anthracene | 11.101 | 178 | 113588 | 39.88 | ng/ml | | 98 |
| 20) Carbazole | 11.270 | 167 | 7137 | 2.90 | ng/ml | | 95 |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 15435 | 6.58 | ng/ml | | 92 |
| 22) Fluoranthene | 12.295 | 202 | 494613 | 144.31 | ng/ml | | 95 |
| 24) Pyrene | 12.575 | 202 | 594955 | 168.99 | ng/ml | | 99 |
| 26) Benz(a)anthracene | 14.674 | 228 | 100845 | 35.83 | ng/ml | | 72 |
| 27) Chrysene | 14.749 | 228 | 120492 | 41.62 | ng/ml | | 98 |
| 29) Benzo(b)fluoranthene | 17.250 | 252 | 117187 | 43.51 | ng/ml | | 91 |
| 30) Benzo(k)fluoranthene | 17.250 | 252 | 145759 | 54.28 | ng/ml | | 89 |
| 31) Benzo(b+k)fluoranthene | 17.250 | 252 | 166401 | 58.75 | ng/ml | | 89 |
| 32) Benzo(e)pyrene | 17.897 | 252 | 74987 | 26.63 | ng/ml | | 98 |

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

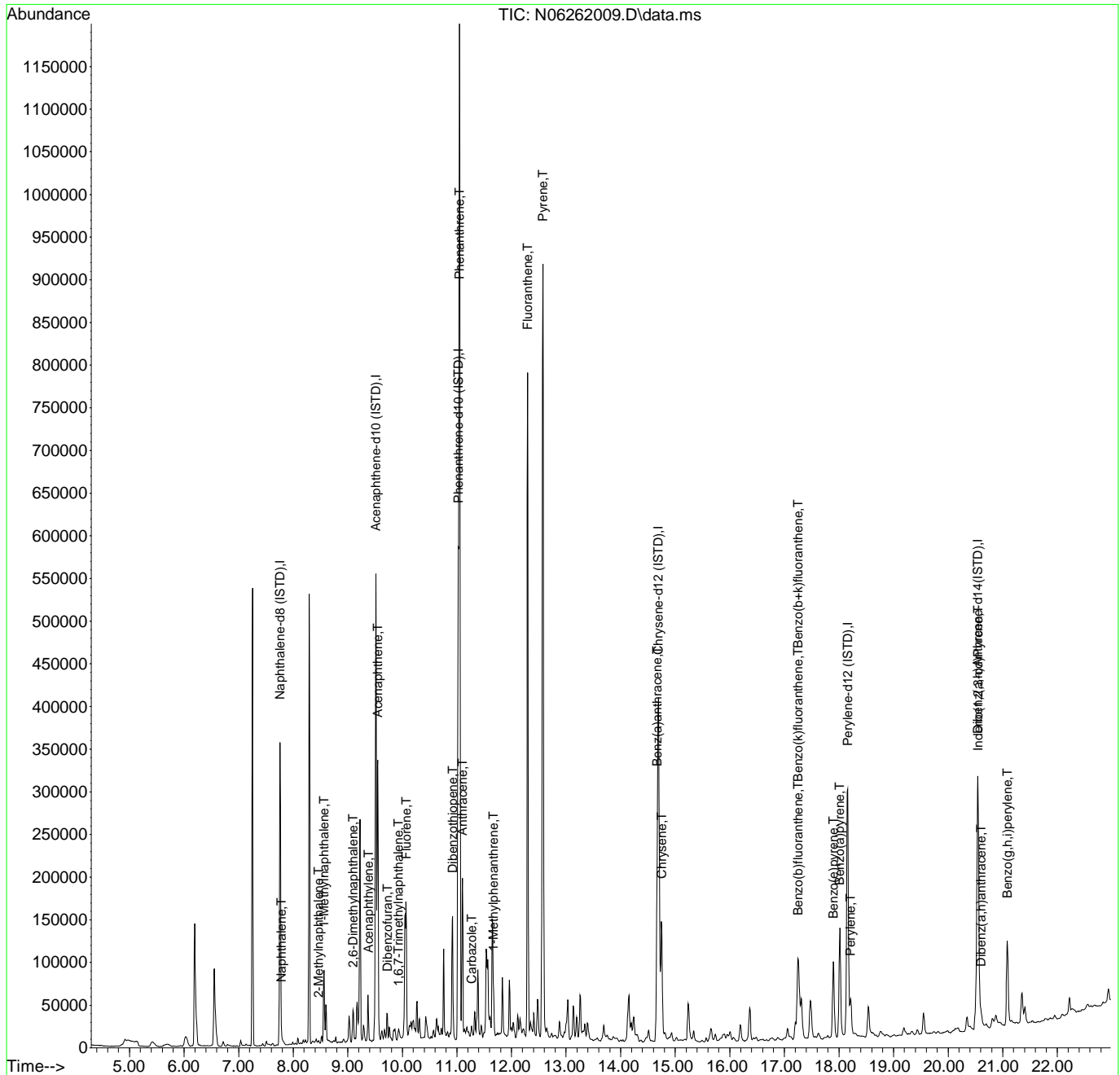
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.013 | 252 | 116587 | 53.99 | ng/ml | 96 |
| 34) Perylene | 18.212 | 252 | 36055 | 12.43 | ng/ml | 99 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.549 | 276 | 79497 | 32.74 | ng/ml | 79 |
| 37) Dibenz(a,h)anthracene | 20.601 | 278 | 9467 | 3.87 | ng/ml | 86 |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 97889 | 37.58 | ng/ml | 77 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

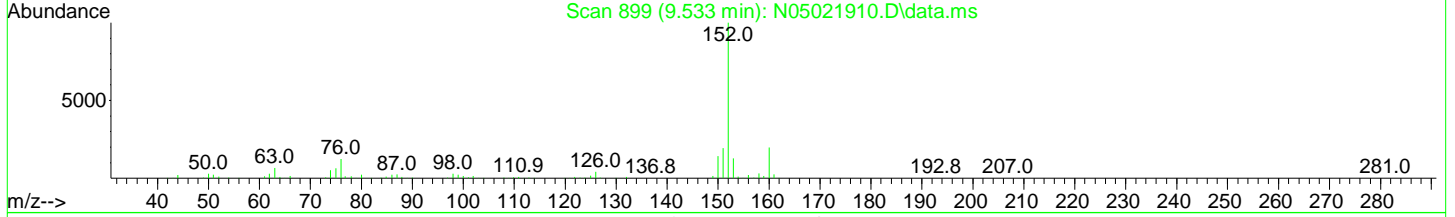
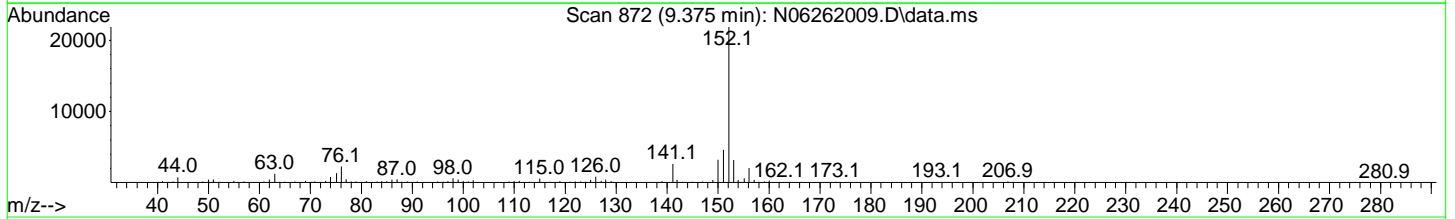
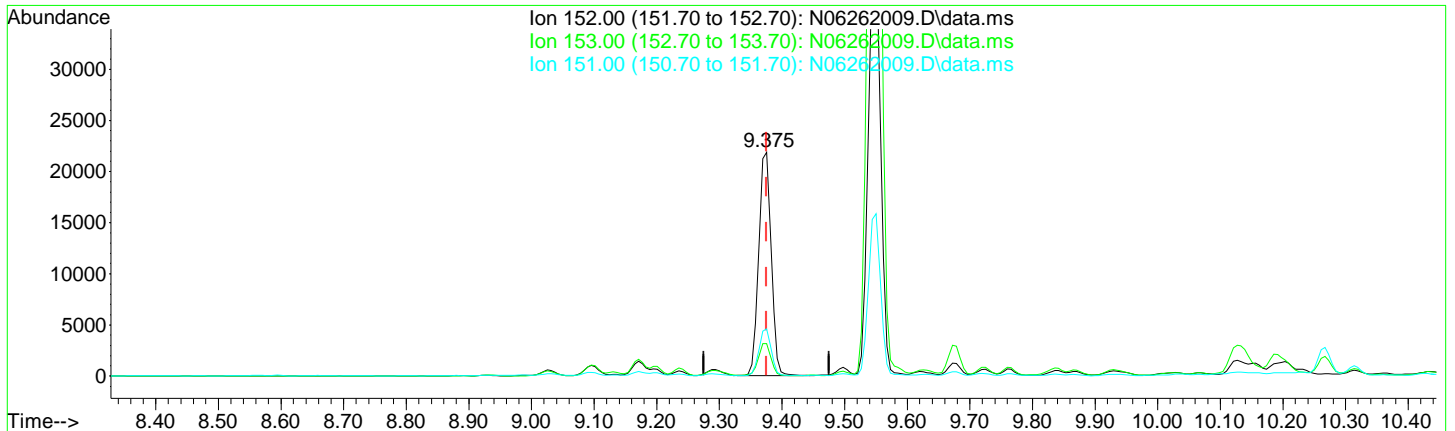
Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
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Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
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 Operator : JK/ AMS/ DTH
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 Quant Title : EPA 8270D: Semivolatile Organics
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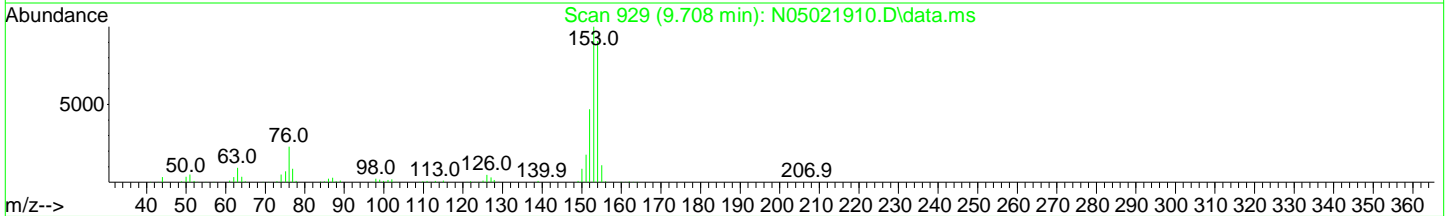
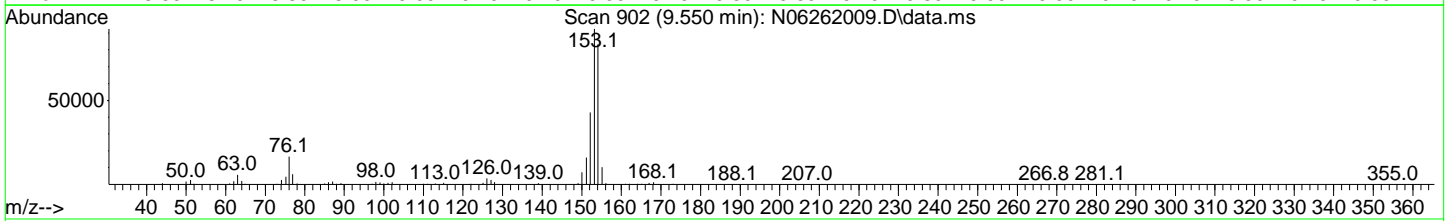
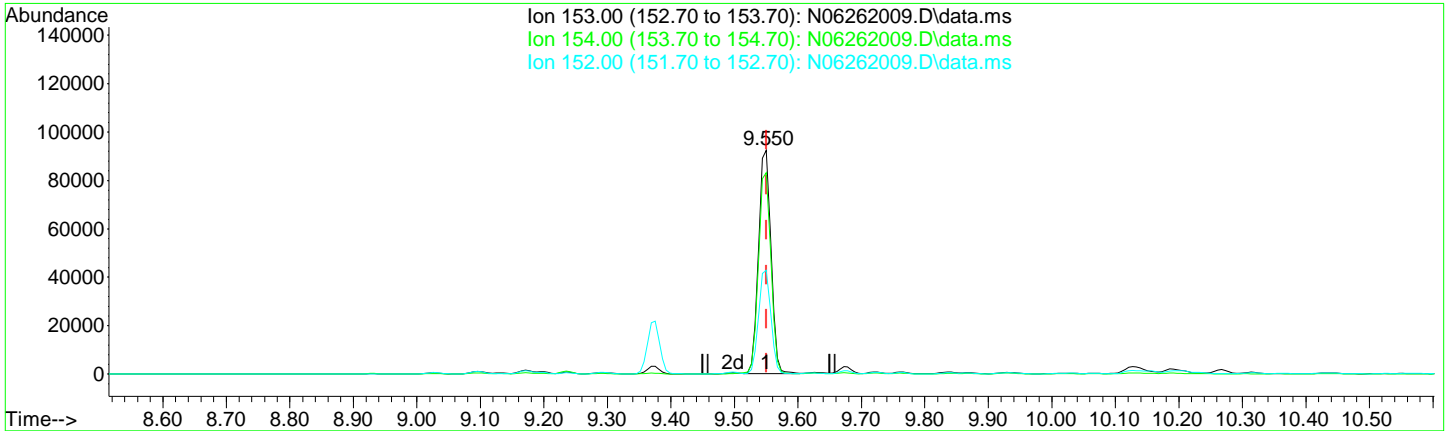
TIC: N06262009.D\data.ms

| (11) Acenaphthylene (T) | | |
|-------------------------|------------|--------|
| 9.375min (+ 0.000) | 9.86 ng/ml | |
| response | 30070 | |
| Ion | Exp% | Act% |
| 152.00 | 100.00 | 100.00 |
| 153.00 | 12.70 | 14.43 |
| 151.00 | 19.30 | 21.07 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262009.D\data.ms

(12) Acenaphthene (T)

9.550min (+ 0.000) 55.81 ng/ml

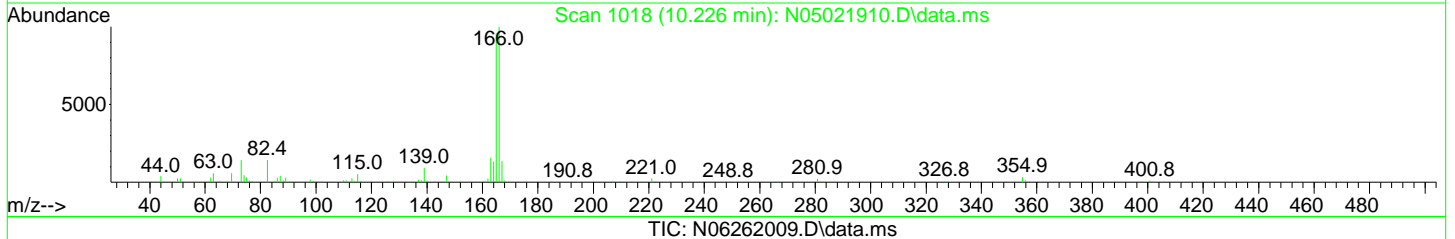
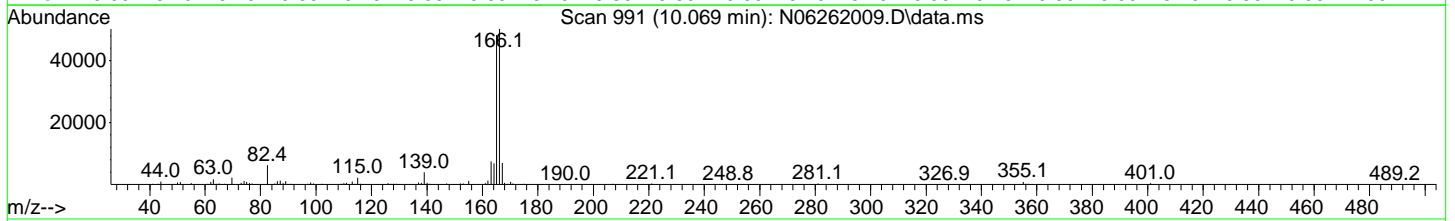
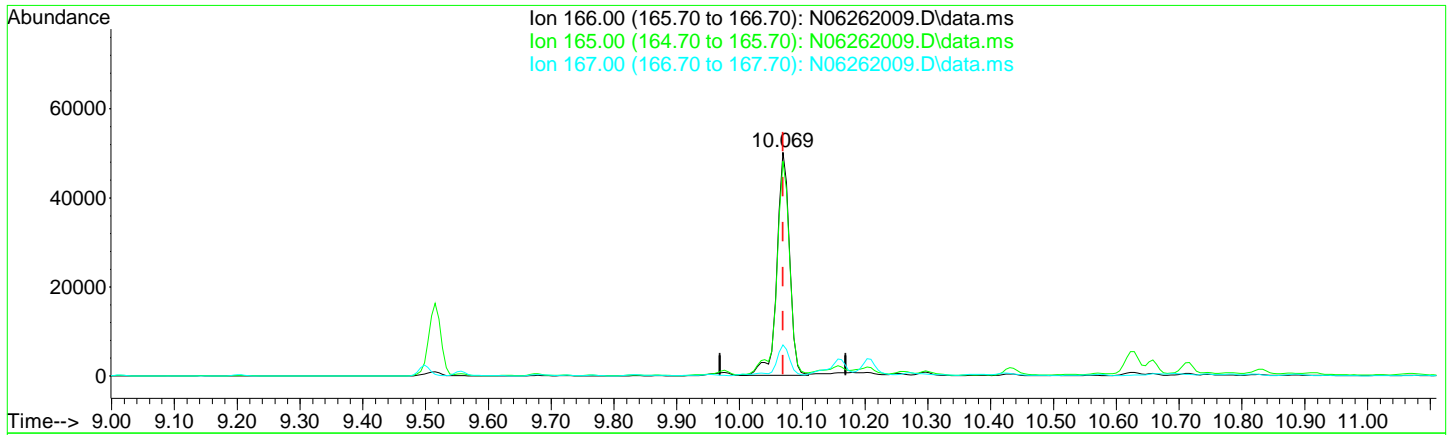
response 124872

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 90.07 |
| 152.00 | 46.80 | 46.34 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262009.D\data.ms

(15) Fluorene (T)

10.069min (+ 0.000) 32.60 ng/ml

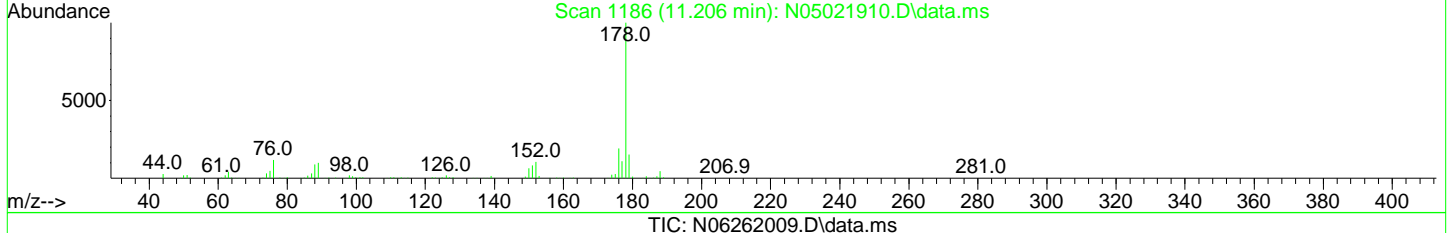
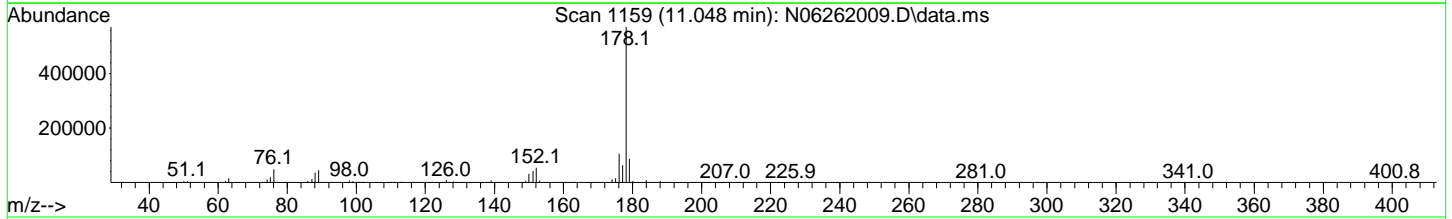
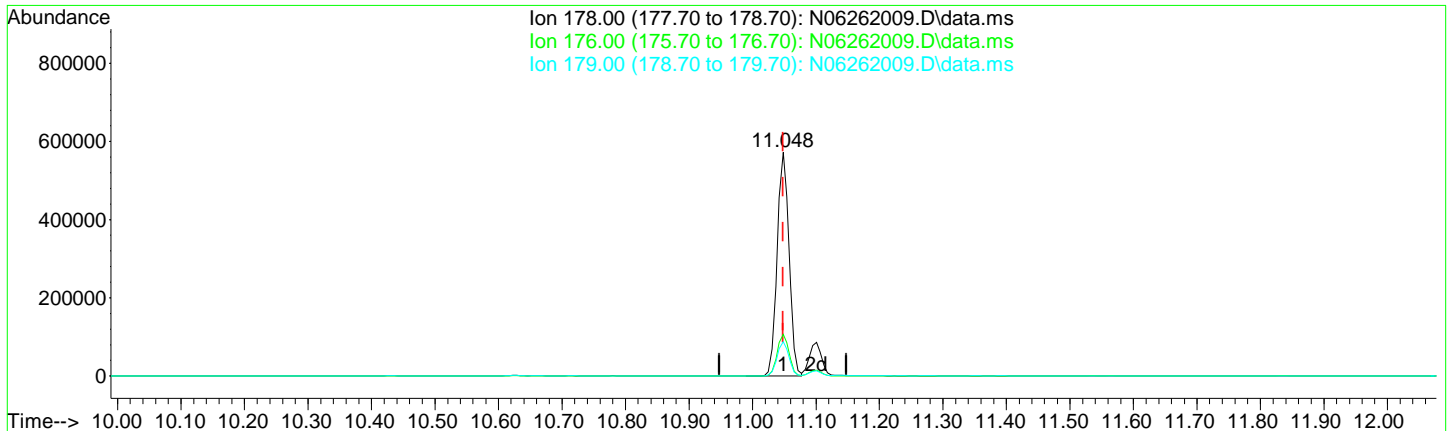
response 70124

| Ion | Exp% | Act% |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70 | 95.97 |
| 167.00 | 13.60 | 13.93 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
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 QLast Update : Tue Jun 09 09:45:26 2020
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(18) Phenanthrene (T)

11.048min (+ 0.000) 213.40 ng/ml

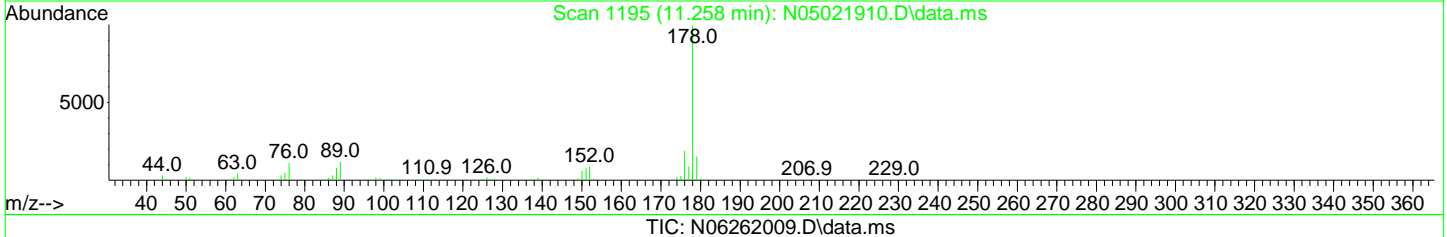
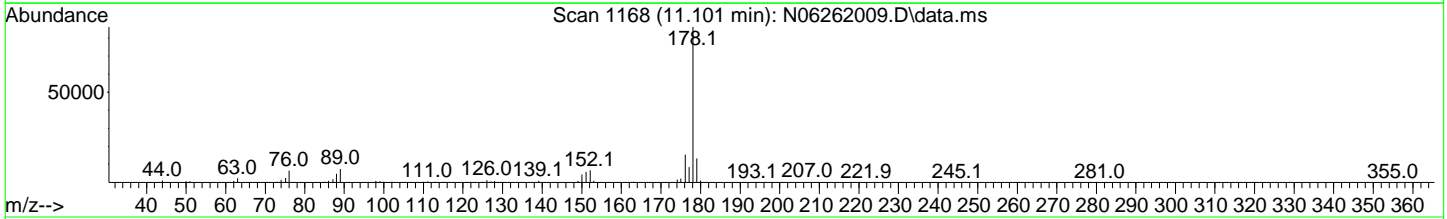
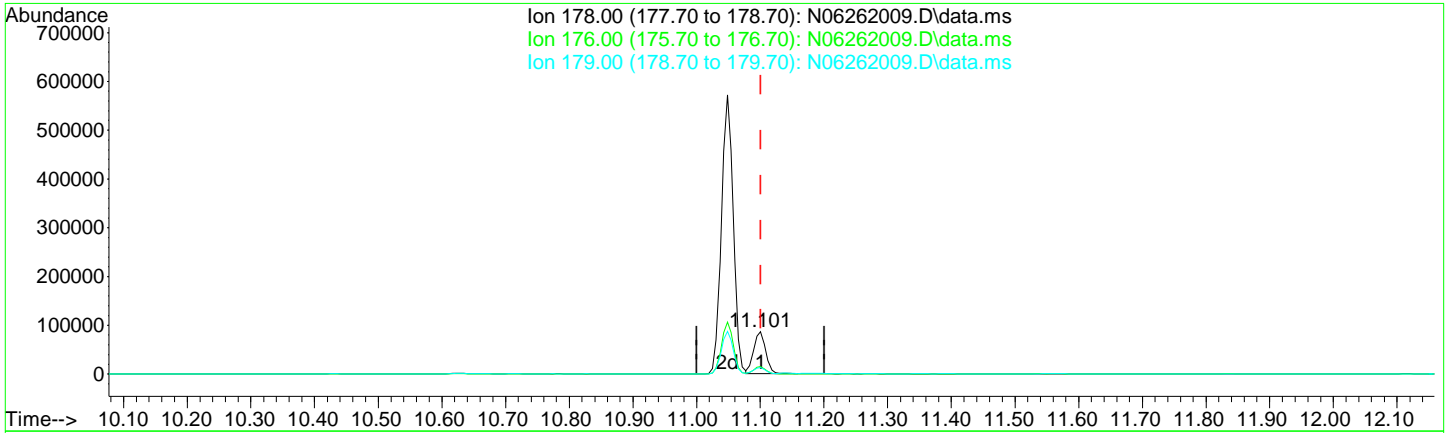
response 742147

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 18.64 |
| 179.00 | 15.10 | 15.30 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
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TIC: N06262009.D\data.ms

(19) Anthracene (T)

11.101min (+ 0.000) 39.88 ng/ml

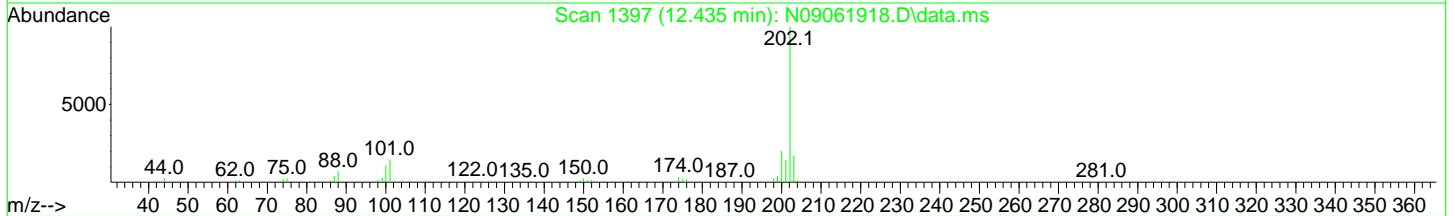
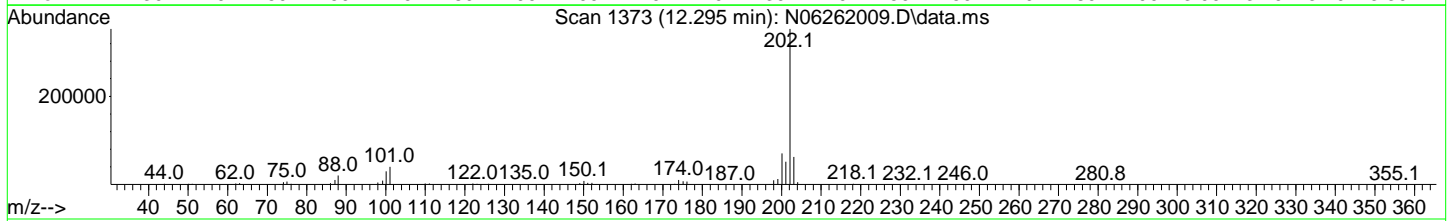
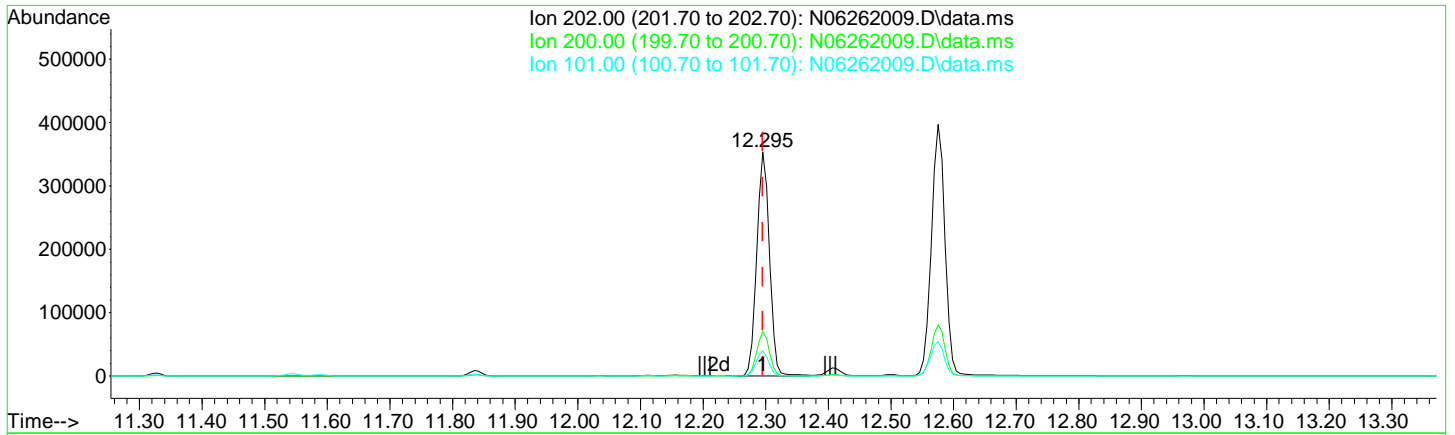
response 113588

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 17.78 |
| 179.00 | 15.30 | 15.51 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
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 Response via : Initial Calibration



TIC: N06262009.D\data.ms

(22) Fluoranthene (T)

12.295min (+ 0.000) 144.31 ng/ml

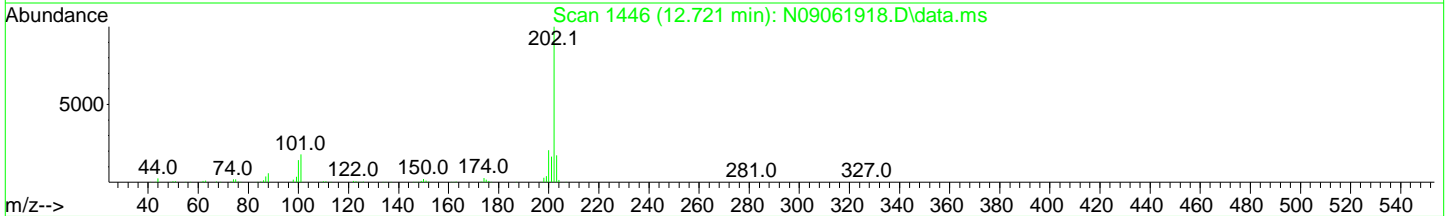
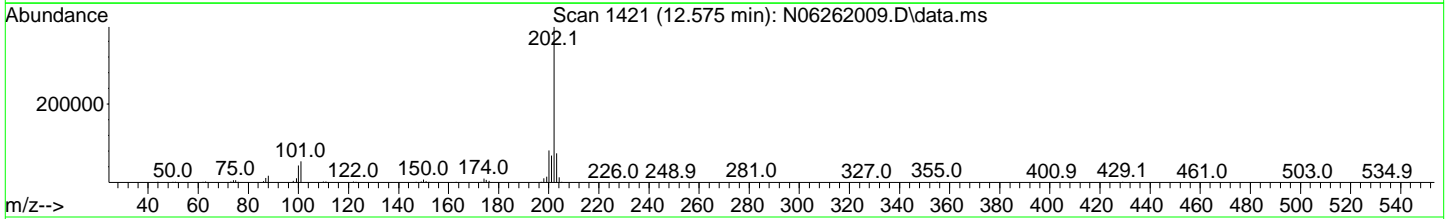
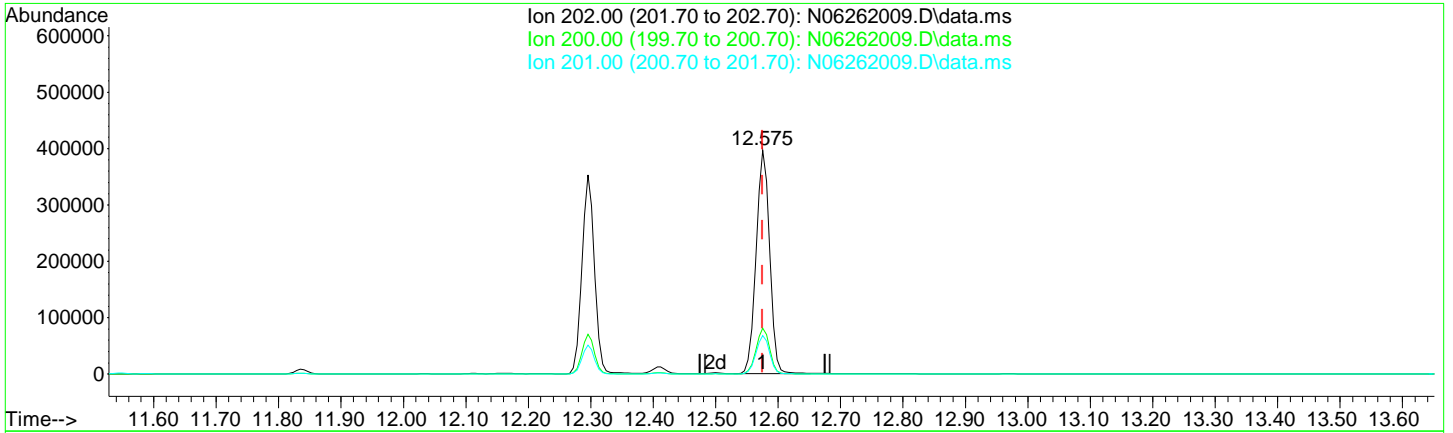
response 494613

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 19.70 | 19.95 |
| 101.00 | 15.30 | 11.23 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
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 Operator : JK/ AMS/ DTH
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 Response via : Initial Calibration



TIC: N06262009.D\data.ms

(24) Pyrene (T)

12.575min (+ 0.000) 168.99 ng/ml

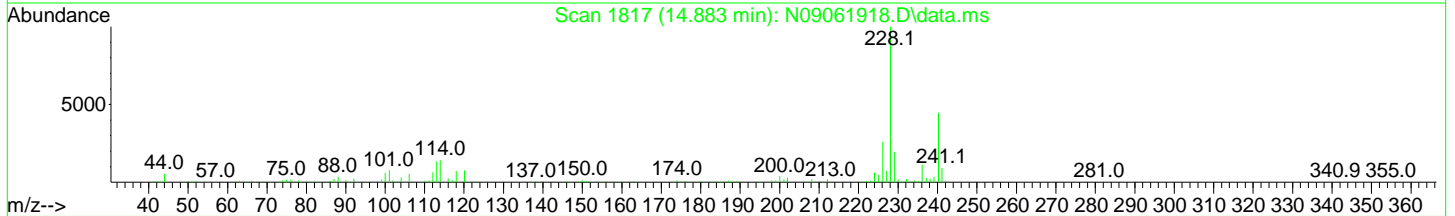
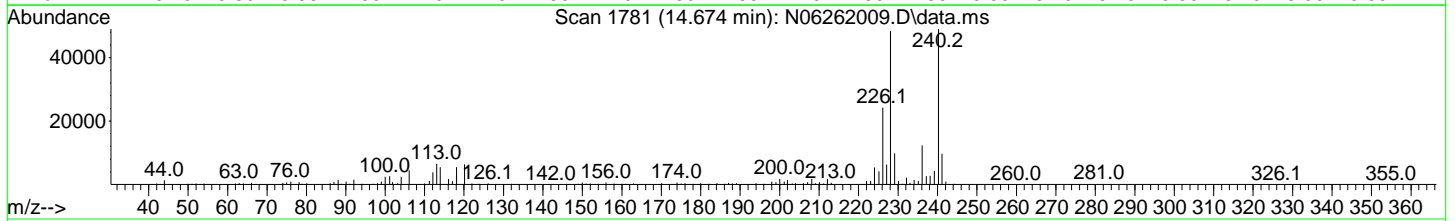
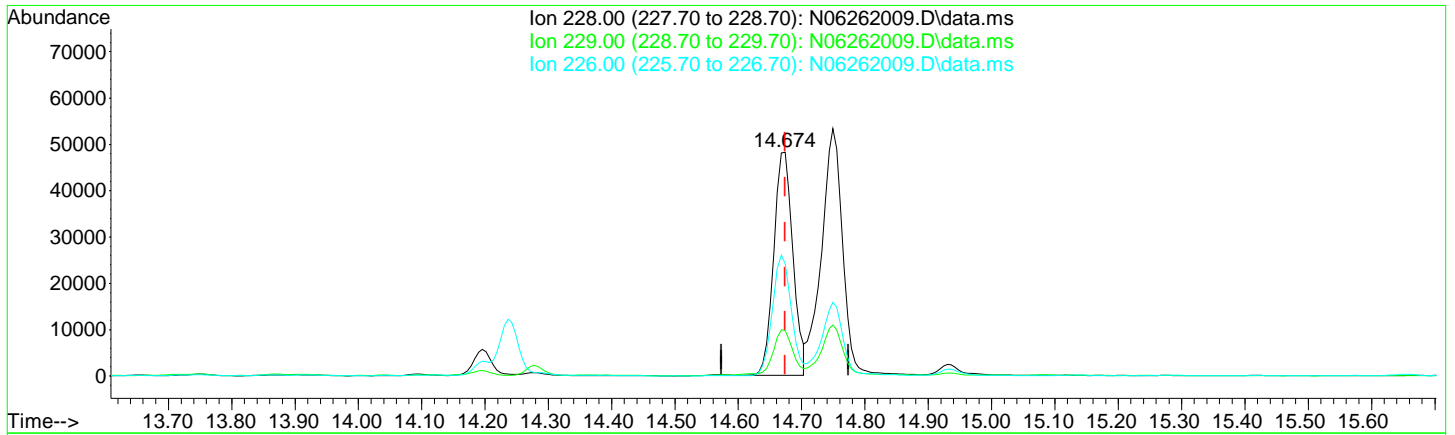
response 594955

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.49 |
| 201.00 | 16.80 | 17.14 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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TIC: N06262009.D\data.ms

(26) Benz(a)anthracene (T)

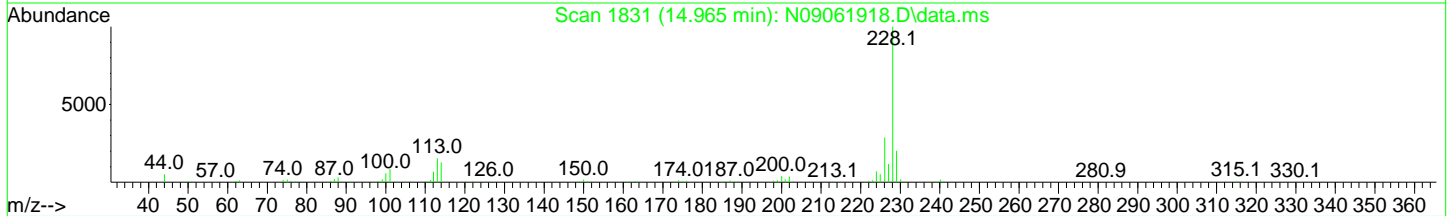
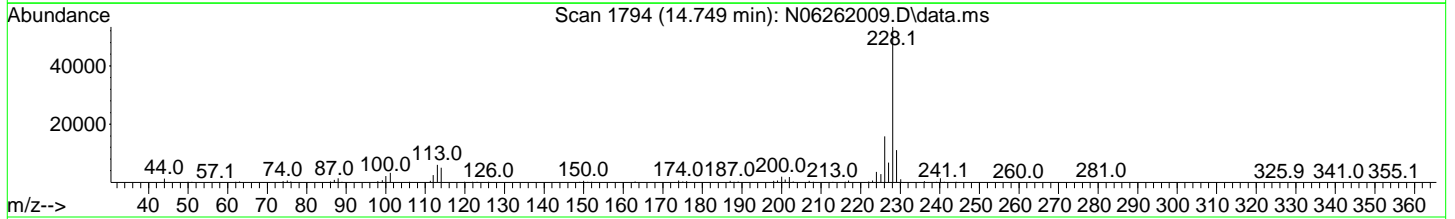
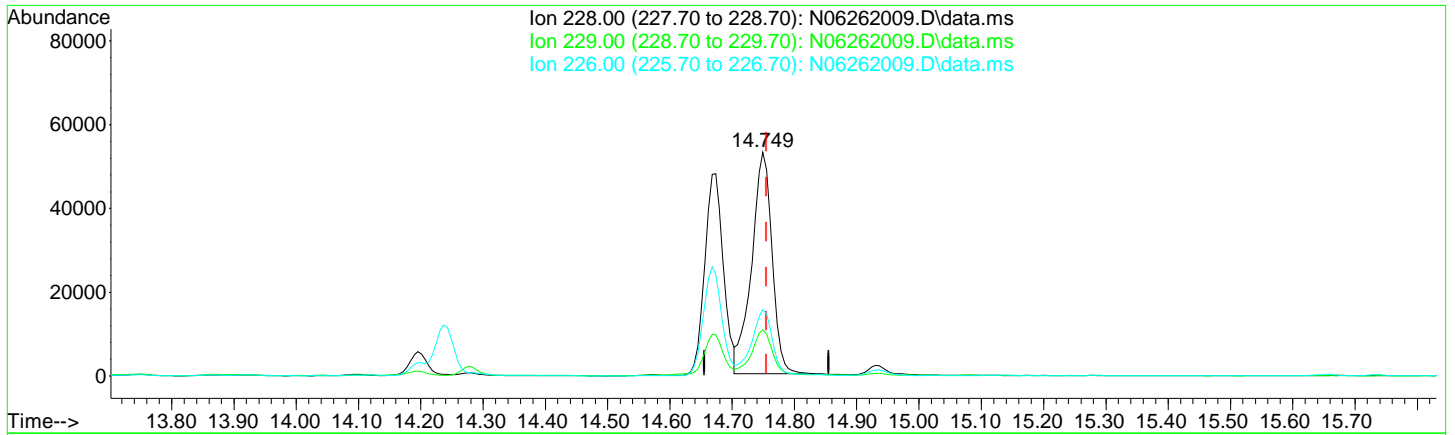
14.674min (+ 0.000) 35.83 ng/ml

| response | 100845 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.40 | 20.35 |
| 226.00 | 26.20 | 50.18 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262009.D\data.ms

(27) Chrysene (T)

14.749min (-0.006) 41.62 ng/ml

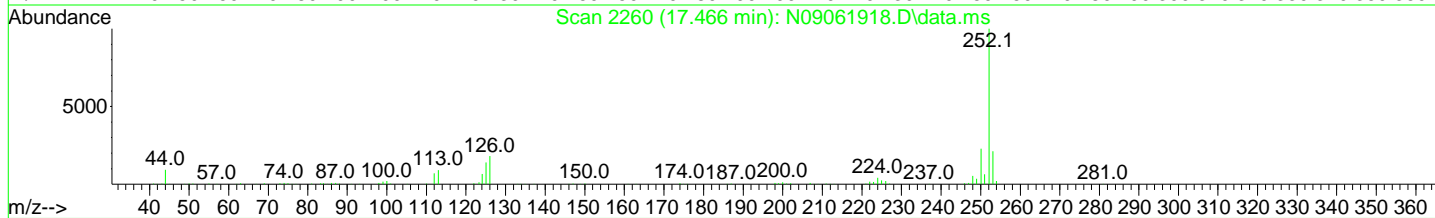
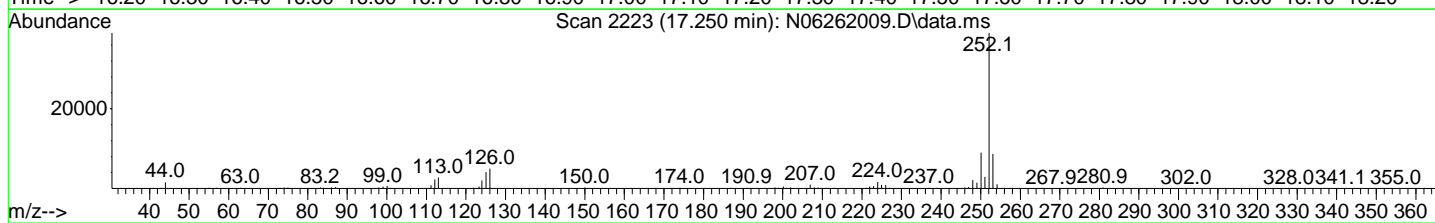
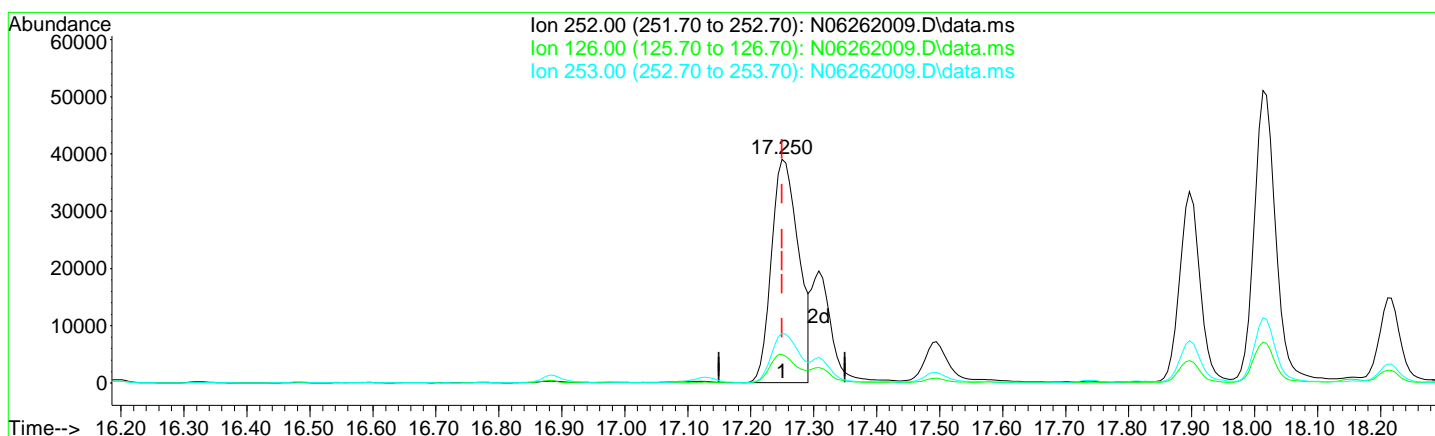
response 120492

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60 | 20.71 |
| 226.00 | 28.60 | 29.68 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262009.D\data.ms

(29) Benzo(b)fluoranthene (T)

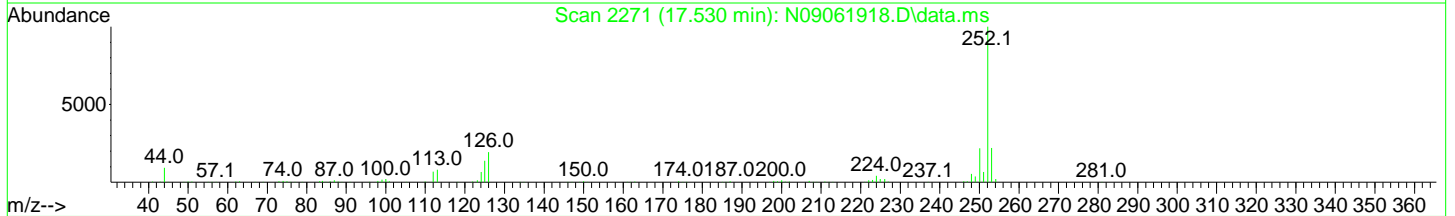
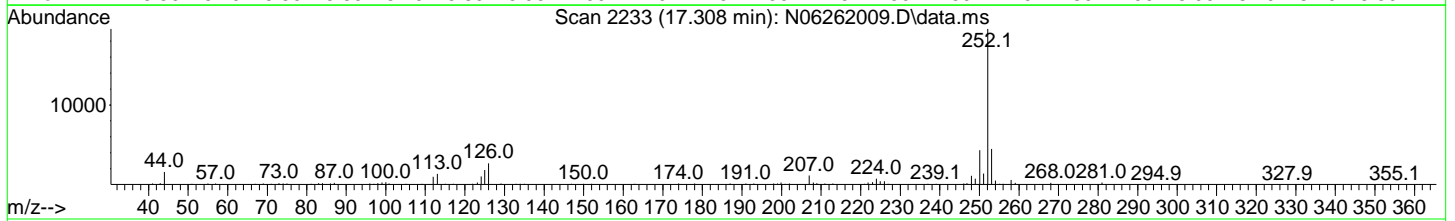
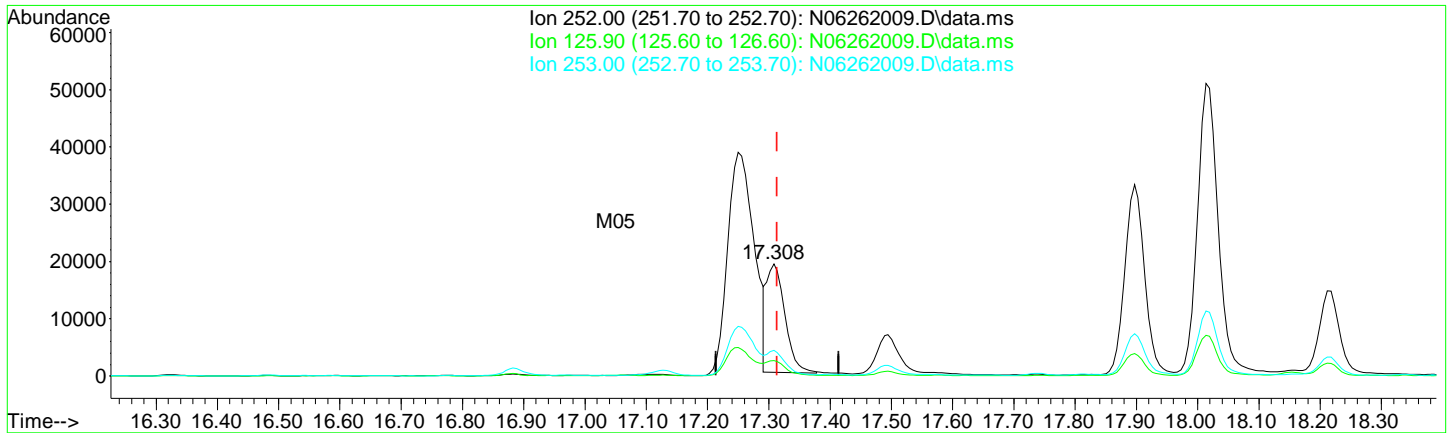
17.250min (+ 0.000) 43.51 ng/ml

| response | 117187 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 126.00 | 20.00 | 12.77 |
| 253.00 | 21.10 | 22.13 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262009.D\data.ms

(30) Benzo(k)fluoranthene (T)

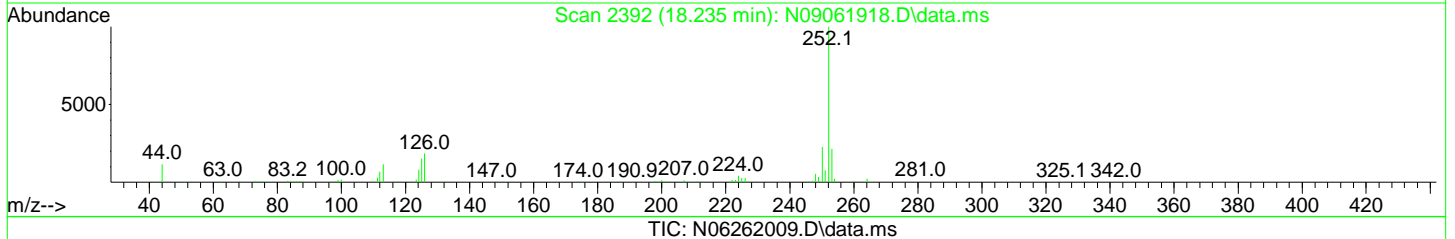
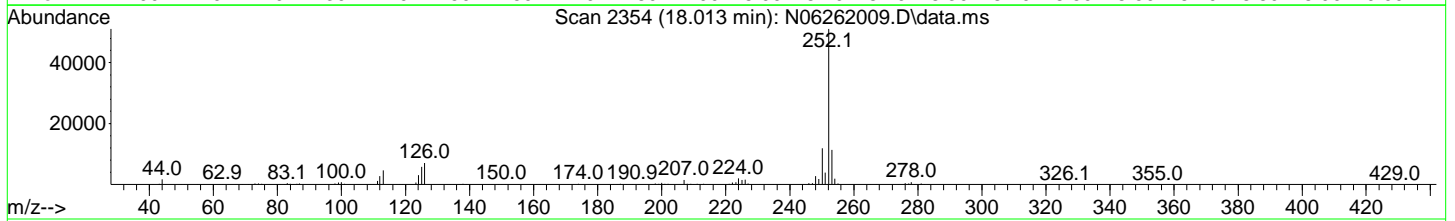
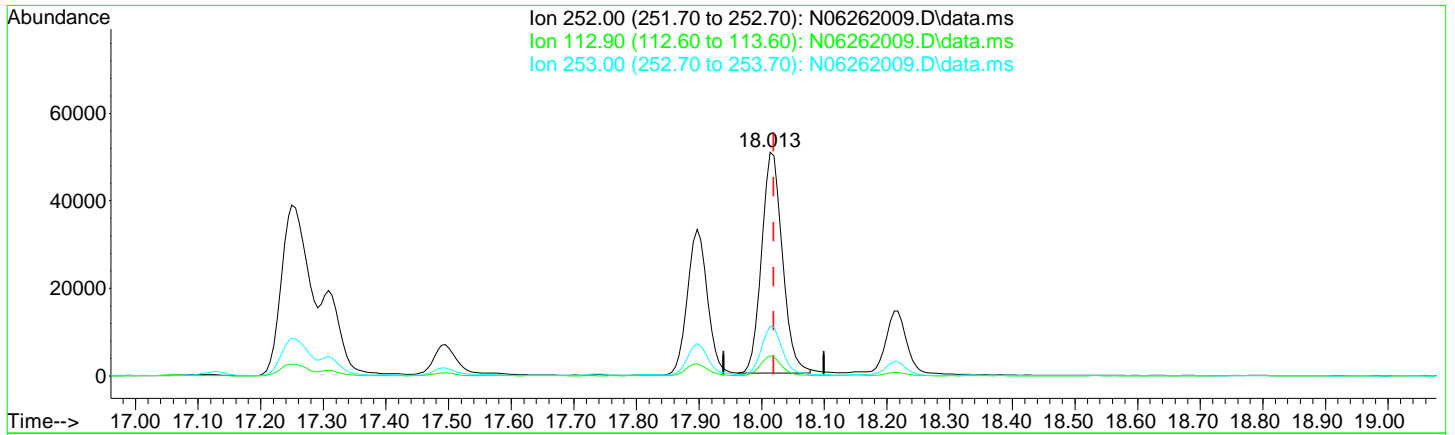
17.308min (-0.006) 14.56 ng/ml m

| response | 39105 |
|----------|---------------|
| Ion | Exp% Act% |
| 252.00 | 100.00 100.00 |
| 125.90 | 22.10 13.81 |
| 253.00 | 21.50 22.87 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262009.D\data.ms

(33) Benzo(a)pyrene (T)

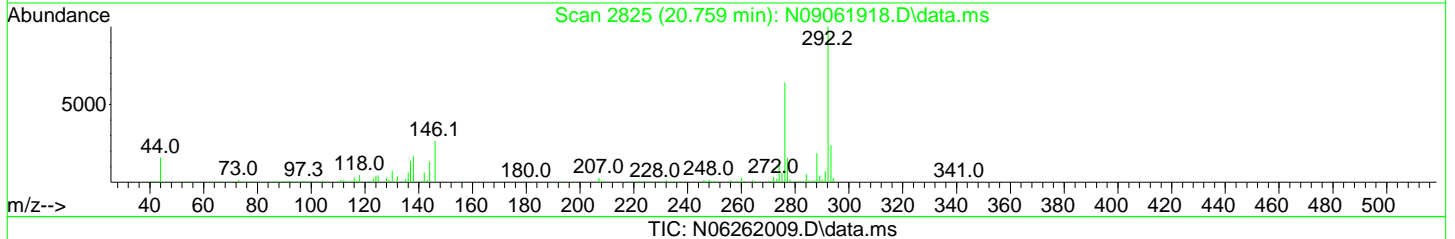
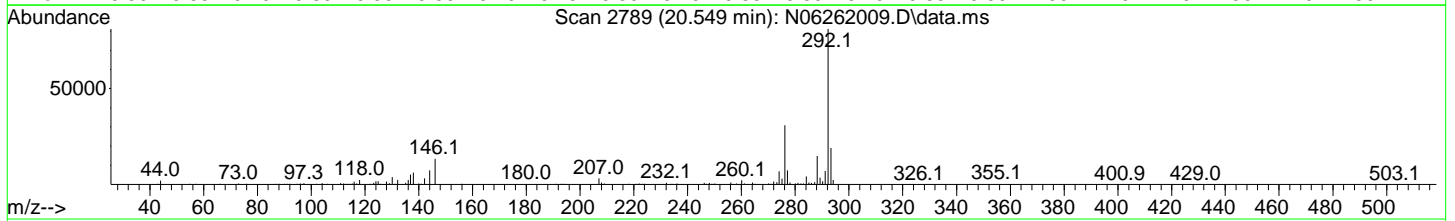
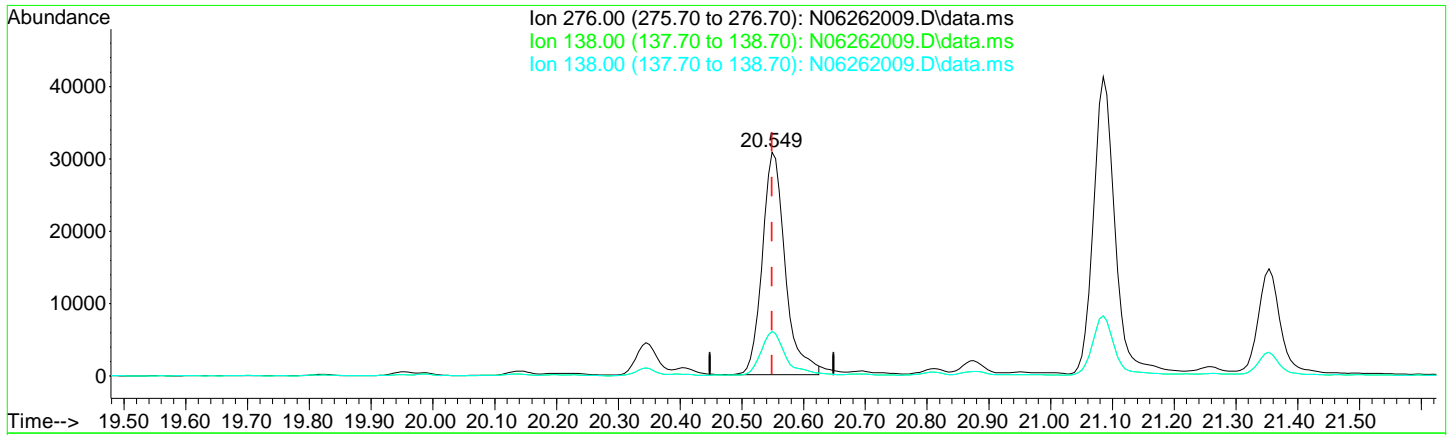
18.013min (-0.006) 53.99 ng/ml

| response | 116587 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 9.08 |
| 253.00 | 21.90 | 22.19 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262009.D\data.ms

(36) Indeno(1,2,3-cd)Pyrene (T)

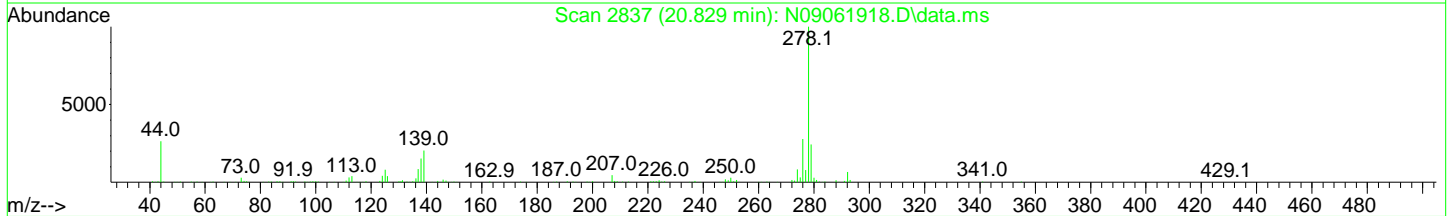
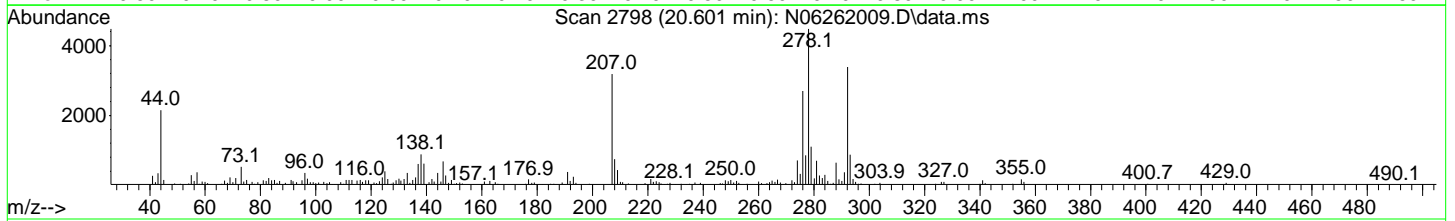
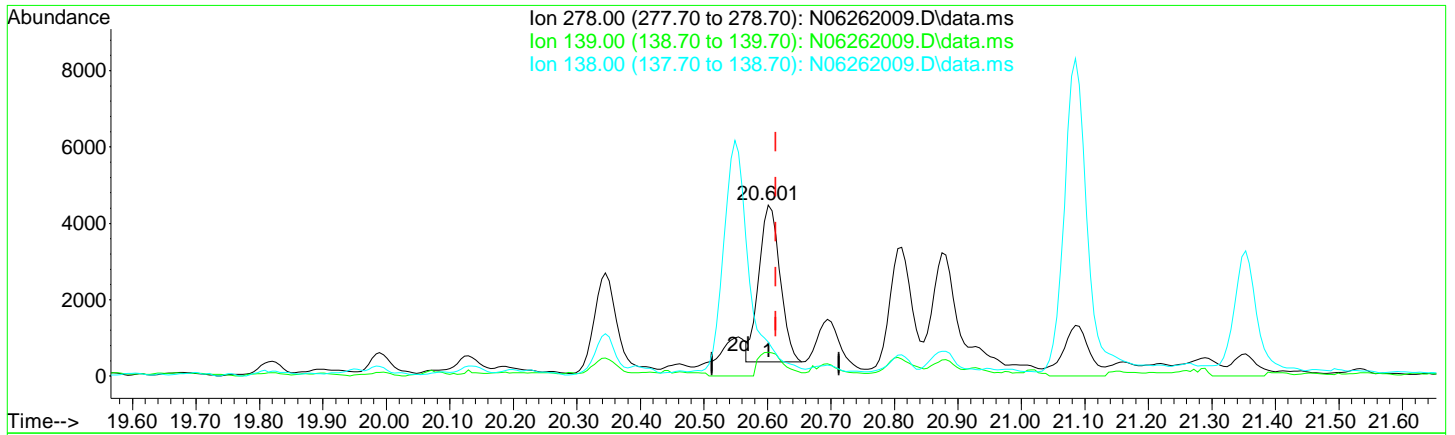
20.549min (+ 0.000) 32.74 ng/ml

| response | 79497 |
|----------|---------------|
| 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 : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262009.D\data.ms

(37) Dibenz(a,h)anthracene (T)

20.601min (-0.012) 3.87 ng/ml

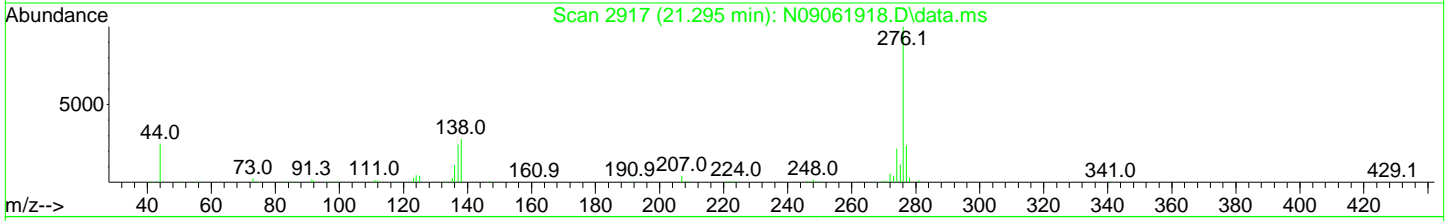
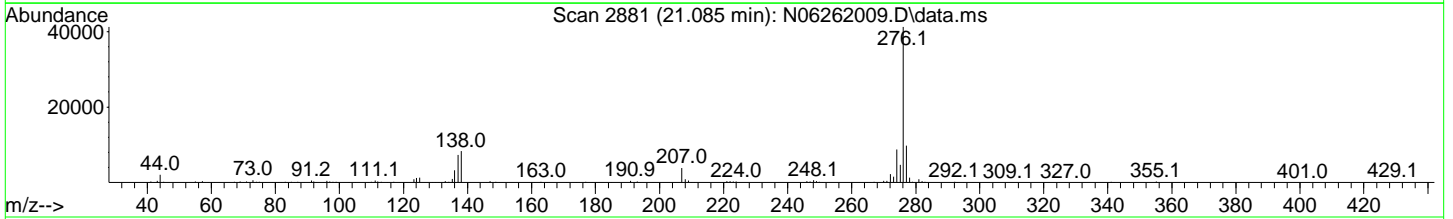
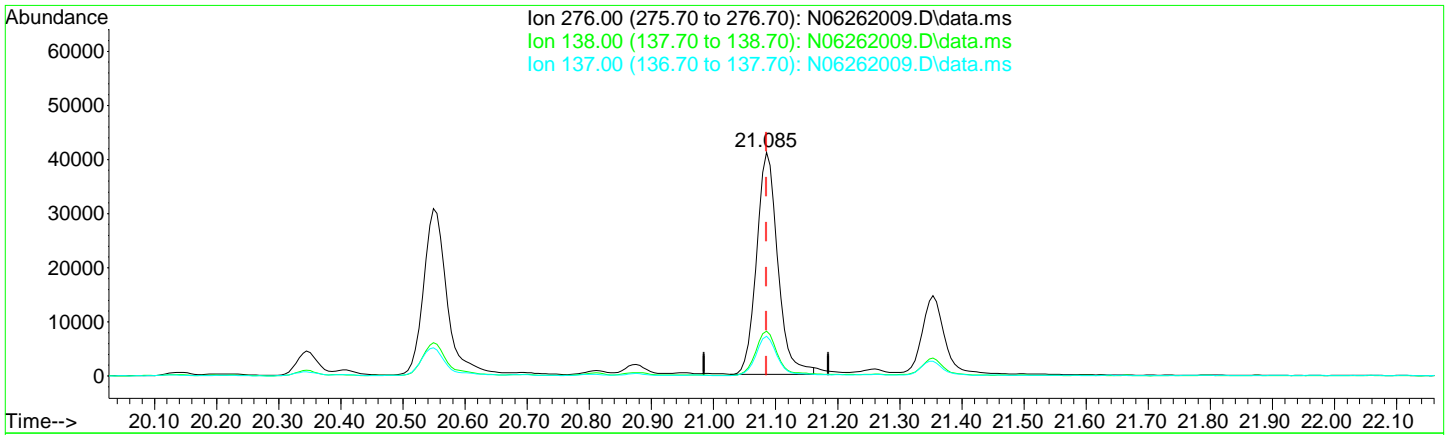
response 9467

| Ion | Exp% | Act% |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 26.00 | 13.87 |
| 138.00 | 19.90 | 19.81 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262009.D
 Acq On : 26 Jun 2020 01:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-02RE1@4000
 Misc : 4000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 09:45:16 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262009.D\data.ms

| (38) Benzo(g,h,i)perylene (T) | | |
|-------------------------------|----------|---------------|
| Time | Response | Concentration |
| 21.085min (+ 0.000) | 97889 | 37.58 ng/ml |
| Ion | Exp% | Act% |
| 276.00 | 100.00 | 100.00 |
| 138.00 | 34.40 | 20.12 |
| 137.00 | 28.60 | 17.71 |
| 0.00 | 0.00 | 0.00 |

HML 06/29/20

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

M05

Quant Time: Jun 29 09:52:38 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.766 | 136 | 219310 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 143722 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 241943 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.697 | 240 | 205530 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.159 | 264 | 197237 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.543 | 292 | 169272 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.073 | 82 | 12870 | 18.79 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.833 | 172 | 43072 | 19.36 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.773 | 244 | 45940 | 23.13 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Decalin | 0.000 | | 0 | N.D. | | |
| 4) Naphthalene | 7.784 | 128 | 4054 | 1.70 | ng/ml | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 839 | 0.52 | ng/ml | 95 |
| 6) 1-Methylnaphthalene | 8.571 | 142 | 1008 | 0.63 | ng/ml | 98 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 407 | N.D. | | |
| 8) 2,6-Dimethylnaphthalene | 9.095 | 156 | 657 | 0.47 | ng/ml | 93 |
| 11) Acenaphthylene | 9.375 | 152 | 25109 | 9.37 | ng/ml | 98 |
| 12) Acenaphthene | 9.550 | 153 | 19310 | 9.82 | ng/ml | 99 |
| 13) Dibenzofuran | 9.725 | 168 | 543 | N.D. | | |
| 14) 1,6,7-Trimethylnaphtha... | 9.929 | 170 | 1400 | 0.91 | ng/ml | 76 |
| 15) Fluorene | 10.075 | 166 | 13113m | 6.94 | ng/ml | |
| 17) Dibenzothiopene | 10.920 | 184 | 9335 | 3.82 | ng/ml | 97 |
| 18) Phenanthrene | 11.048 | 178 | 9585 | 3.44 | ng/ml | 96 |
| 19) Anthracene | 11.100 | 178 | 10453 | 4.58 | ng/ml | 97 |
| 20) Carbazole | 11.270 | 167 | 487 | N.D. | | |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 10362 | 5.52 | ng/ml | 91 |
| 22) Fluoranthene | 12.295 | 202 | 321872 | 117.27 | ng/ml | 96 |
| 24) Pyrene | 12.575 | 202 | 429578 | 161.14 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.673 | 228 | 71340 | 33.47 | ng/ml# | 64 |
| 27) Chrysene | 14.755 | 228 | 72147 | 32.91 | ng/ml | 97 |
| 29) Benzo(b)fluoranthene | 17.256 | 252 | 93630 | 45.92 | ng/ml | 93 |
| 30) Benzo(k)fluoranthene | 17.314 | 252 | 26943m | 13.25 | ng/ml | |
| 31) Benzo(b+k)fluoranthene | 17.256 | 252 | 127881 | 59.64 | ng/ml | 90 |
| 32) Benzo(e)pyrene | 17.897 | 252 | 60578 | 28.41 | ng/ml | 98 |

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:52:38 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

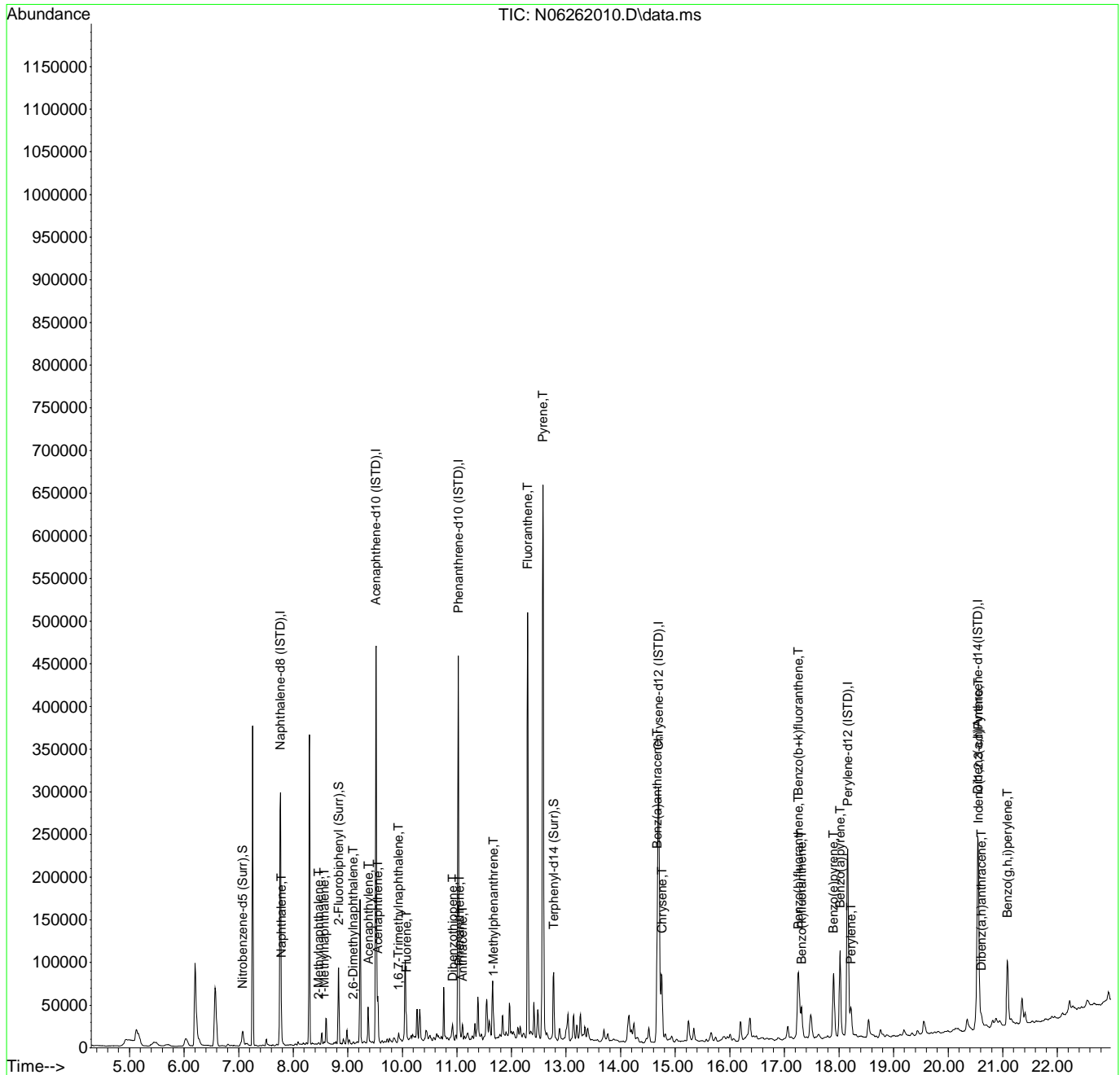
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.019 | 252 | 90164 | 55.12 | ng/ml | 95 |
| 34) Perylene | 18.217 | 252 | 28729 | 13.09 | ng/ml | 98 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.555 | 276 | 63238 | 34.39 | ng/ml | 78 |
| 37) Dibenz(a,h)anthracene | 20.607 | 278 | 7135 | 3.85 | ng/ml | 89 |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 77789 | 39.44 | ng/ml | 77 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:52:38 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|------|----------|--------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.766 | 136 | 219310 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 143722 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 241943 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.697 | 240 | 205530 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.159 | 264 | 197237 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthrcene-d... | 20.543 | 292 | 169272 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.073 | 82 | 12870 | 18.79 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.833 | 172 | 43072 | 19.36 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.773 | 244 | 45940 | 23.13 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Decalin | 0.000 | | 0 | N.D. | | | |
| 4) Naphthalene | 7.784 | 128 | 4054 | 1.70 | ng/ml | | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 839 | 0.52 | ng/ml | | 95 |
| 6) 1-Methylnaphthalene | 8.571 | 142 | 1008 | 0.63 | ng/ml | | 98 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 407 | N.D. | | | |
| 8) 2,6-Dimethylnaphthalene | 9.095 | 156 | 657 | 0.47 | ng/ml | | 93 |
| 11) Acenaphthylene | 9.375 | 152 | 25109 | 9.37 | ng/ml | | 98 |
| 12) Acenaphthene | 9.550 | 153 | 19310 | 9.82 | ng/ml | | 99 |
| 13) Dibenzofuran | 9.725 | 168 | 543 | N.D. | | | |
| 14) 1,6,7-Trimethylnaphtha... | 9.929 | 170 | 1400 | 0.91 | ng/ml | | 76 |
| 15) Fluorene | 10.075 | 166 | 14287 | 7.56 | ng/ml | | 98 |
| 17) Dibenzothiopene | 10.920 | 184 | 9335 | 3.82 | ng/ml | | 97 |
| 18) Phenanthrene | 11.048 | 178 | 9585 | 3.44 | ng/ml | | 96 |
| 19) Anthracene | 11.100 | 178 | 10453 | 4.58 | ng/ml | | 97 |
| 20) Carbazole | 11.270 | 167 | 487 | N.D. | | | |
| 21) 1-Methylphenanthrene | 11.672 | 192 | 10362 | 5.52 | ng/ml | | 91 |
| 22) Fluoranthene | 12.295 | 202 | 321872 | 117.27 | ng/ml | | 96 |
| 24) Pyrene | 12.575 | 202 | 429578 | 161.14 | ng/ml | | 99 |
| 26) Benz(a)anthracene | 14.673 | 228 | 71340 | 33.47 | ng/ml# | | 64 |
| 27) Chrysene | 14.755 | 228 | 72147 | 32.91 | ng/ml | | 97 |
| 29) Benzo(b)fluoranthene | 17.256 | 252 | 93630 | 45.92 | ng/ml | | 93 |
| 30) Benzo(k)fluoranthene | 17.256 | 252 | 114800 | 56.48 | ng/ml | | 90 |
| 31) Benzo(b+k)fluoranthene | 17.256 | 252 | 127881 | 59.64 | ng/ml | | 90 |
| 32) Benzo(e)pyrene | 17.897 | 252 | 60578 | 28.41 | ng/ml | | 98 |

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

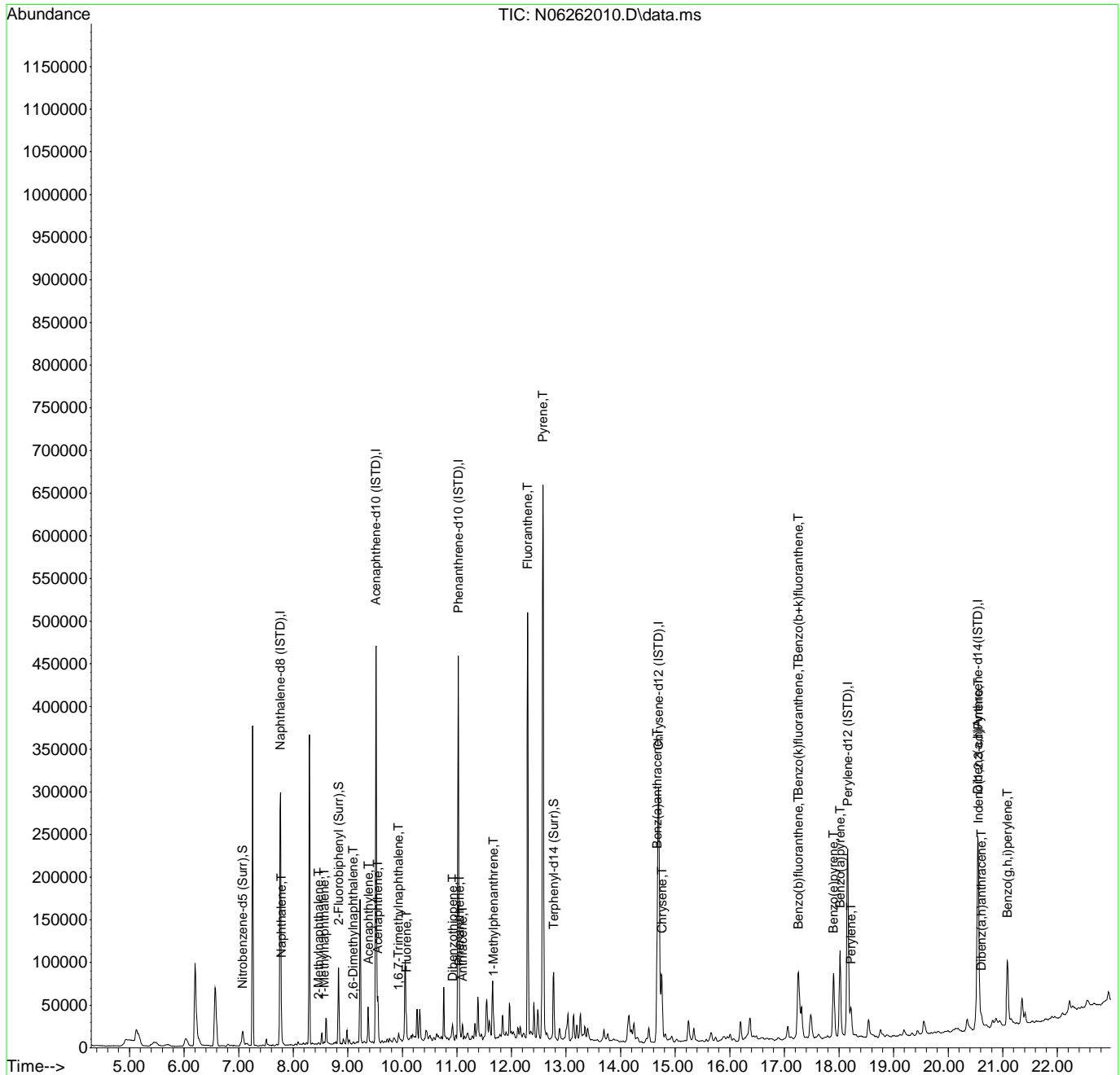
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.019 | 252 | 90164 | 55.12 | ng/ml | 95 |
| 34) Perylene | 18.217 | 252 | 28729 | 13.09 | ng/ml | 98 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.555 | 276 | 63238 | 34.39 | ng/ml | 78 |
| 37) Dibenz(a,h)anthracene | 20.607 | 278 | 7135 | 3.85 | ng/ml | 89 |
| 38) Benzo(g,h,i)perylene | 21.085 | 276 | 77789 | 39.44 | ng/ml | 77 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

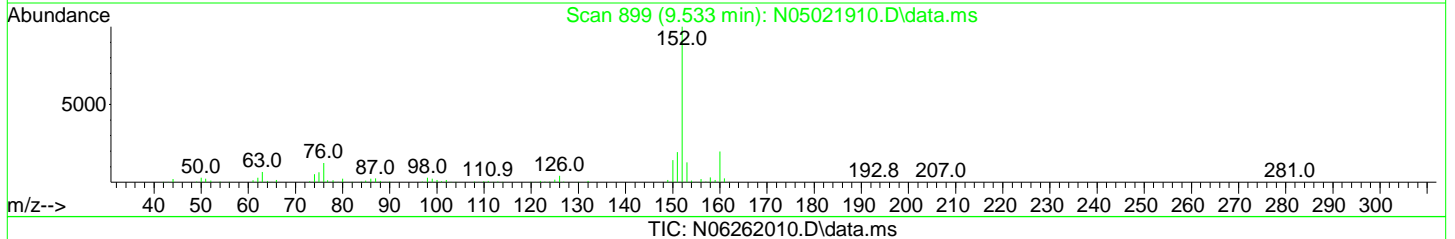
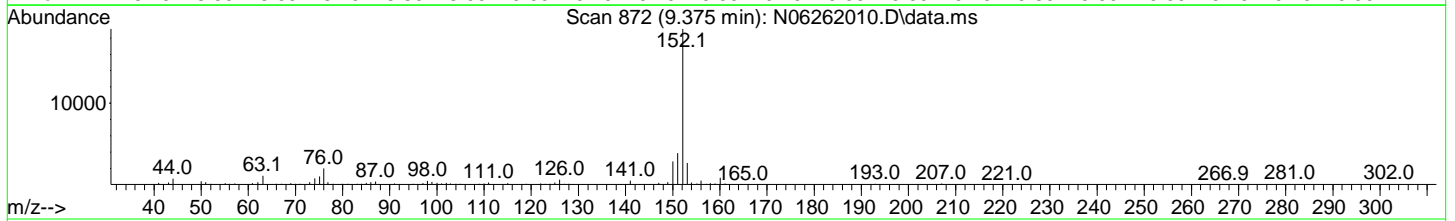
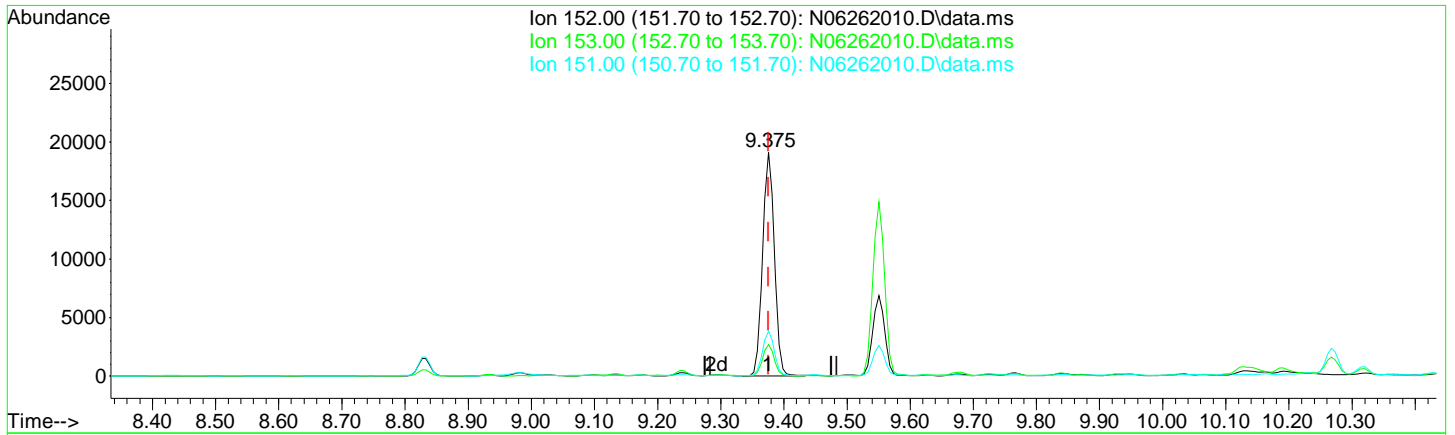
Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



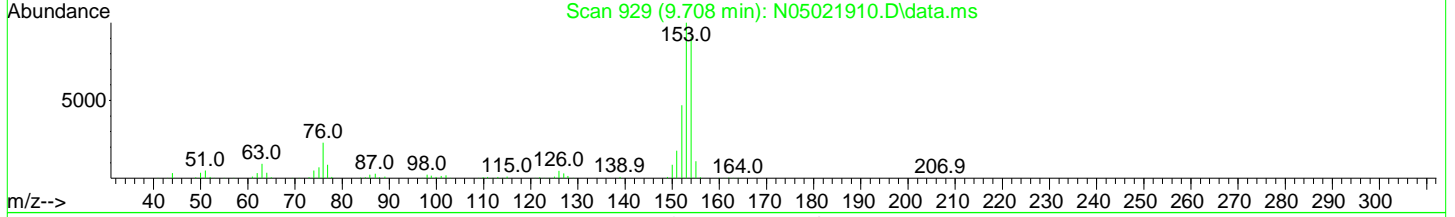
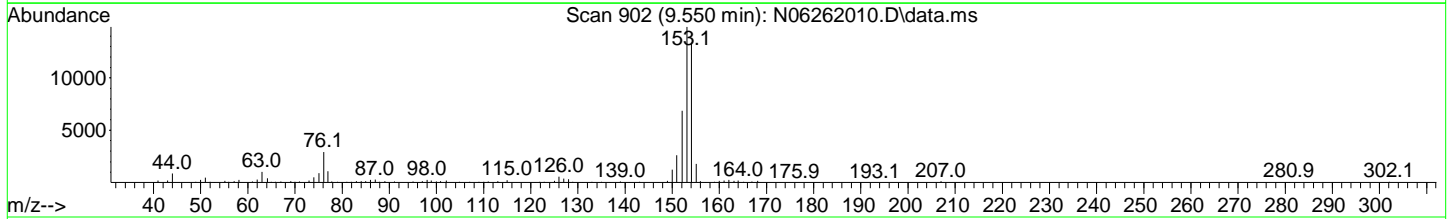
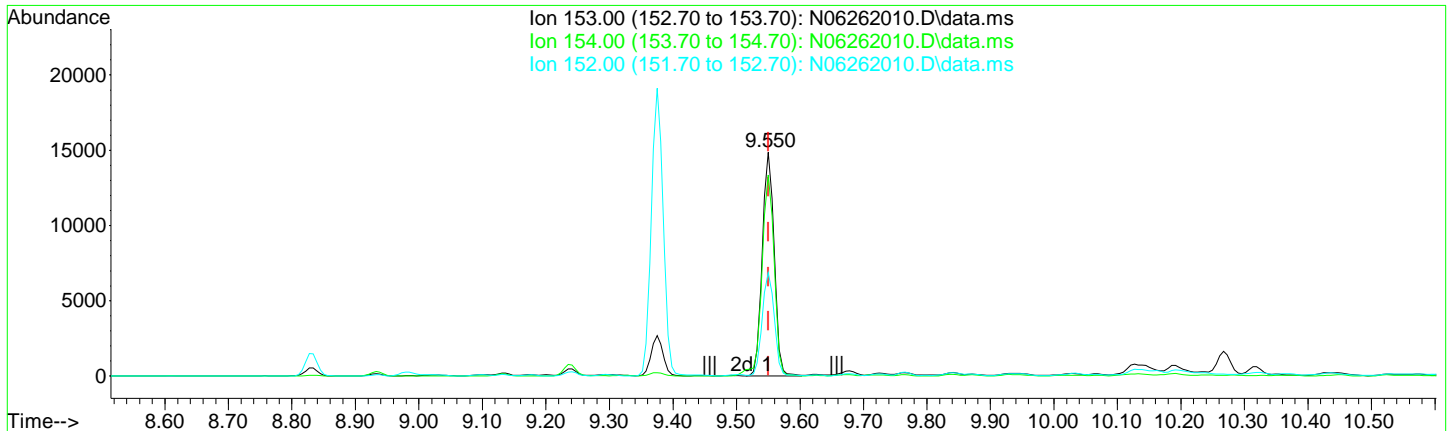
TIC: N06262010.D\data.ms

| (11) Acenaphthylene (T) | | |
|-------------------------|------------|--------|
| 9.375min (+ 0.000) | 9.37 ng/ml | |
| response | 25109 | |
| Ion | Exp% | Act% |
| 152.00 | 100.00 | 100.00 |
| 153.00 | 12.70 | 14.02 |
| 151.00 | 19.30 | 20.16 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



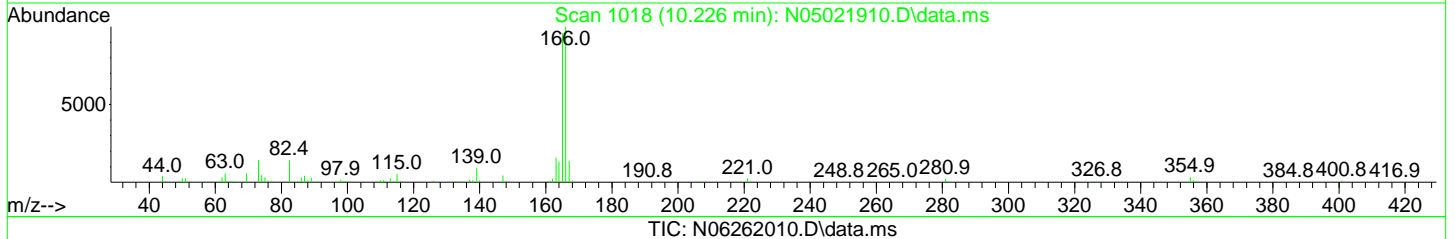
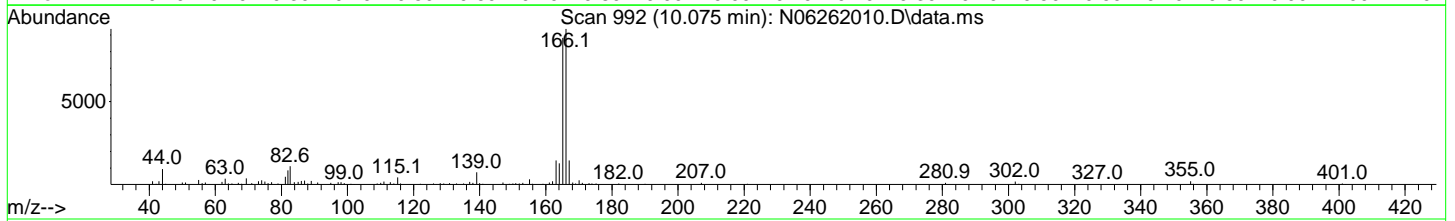
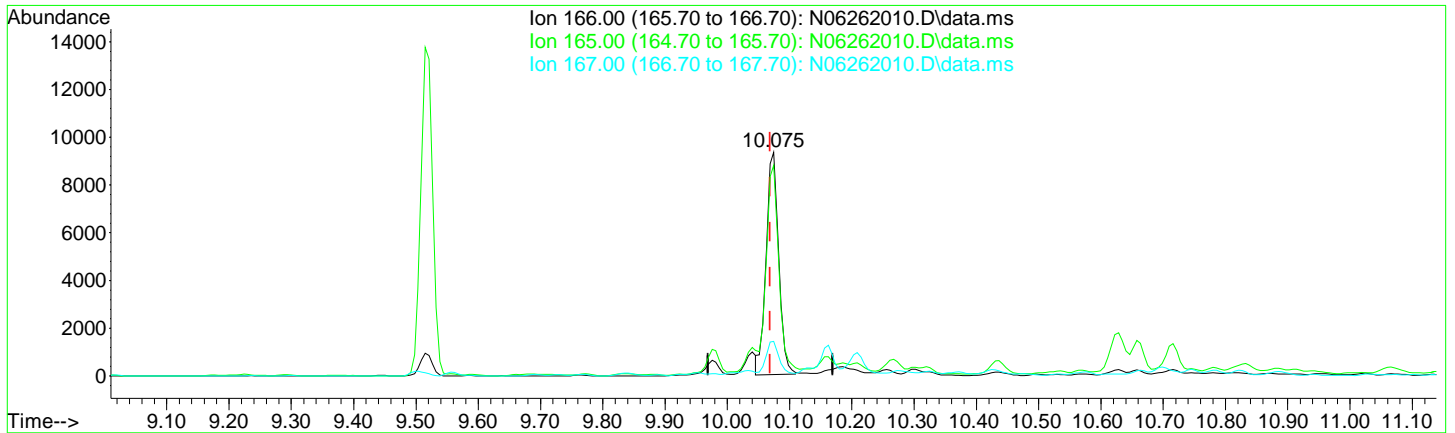
TIC: N06262010.D\data.ms

| (12) Acenaphthene (T) | | |
|-----------------------|-----------------------|----------|
| Retention Time (min) | Concentration (ng/ml) | Response |
| 9.550 | 9.82 | 19310 |
| Ion | Exp% | Act% |
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 89.88 |
| 152.00 | 46.80 | 46.16 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262010.D\data.ms

(15) Fluorene (T)

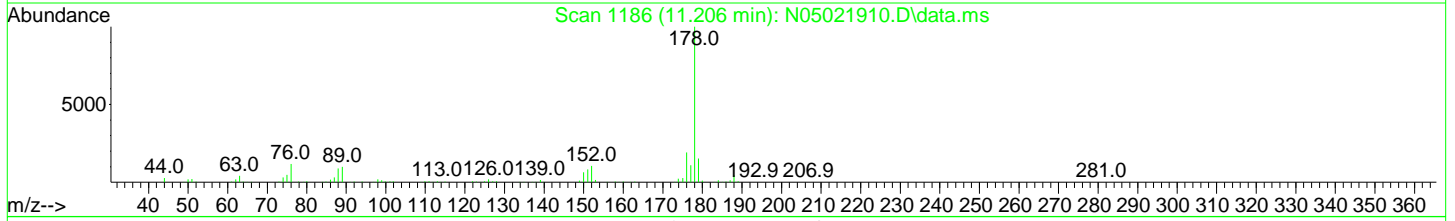
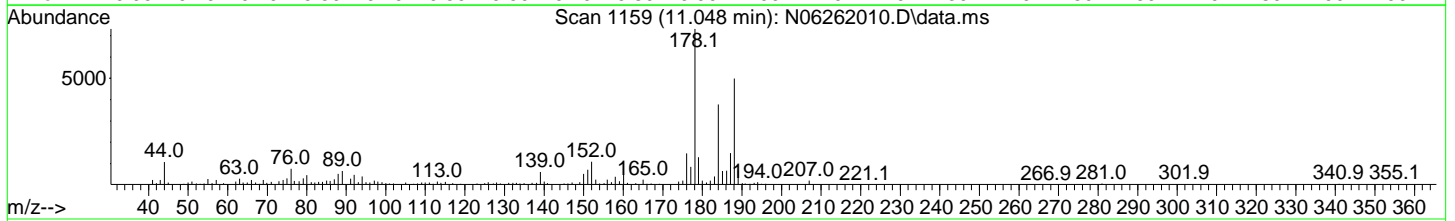
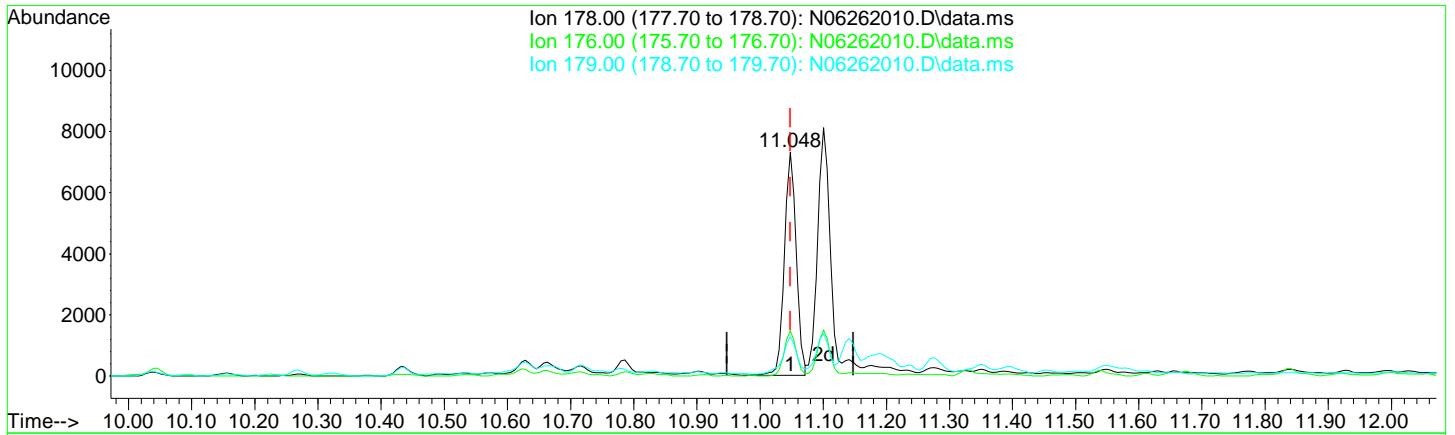
10.075min (+ 0.006) 6.94 ng/ml m

| response | 13113 |
|----------|---------------|
| Ion | Exp% Act% |
| 166.00 | 100.00 100.00 |
| 165.00 | 95.70 94.20 |
| 167.00 | 13.60 15.60 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262010.D\data.ms

(18) Phenanthrene (T)

11.048min (+ 0.000) 3.44 ng/ml

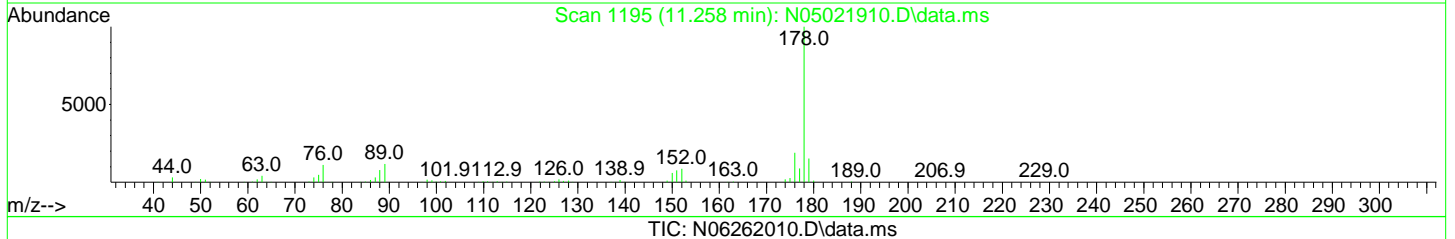
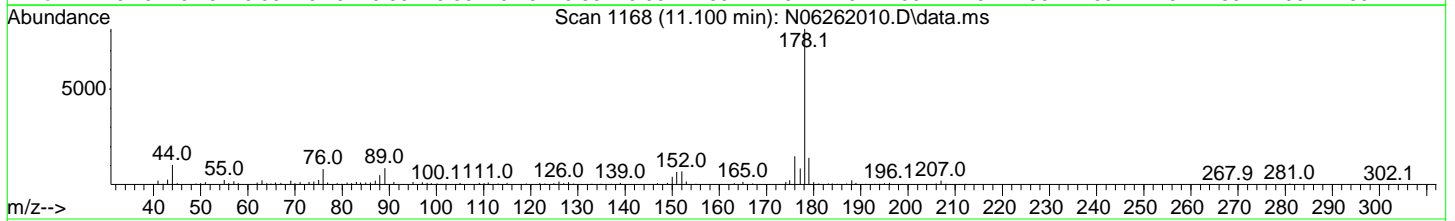
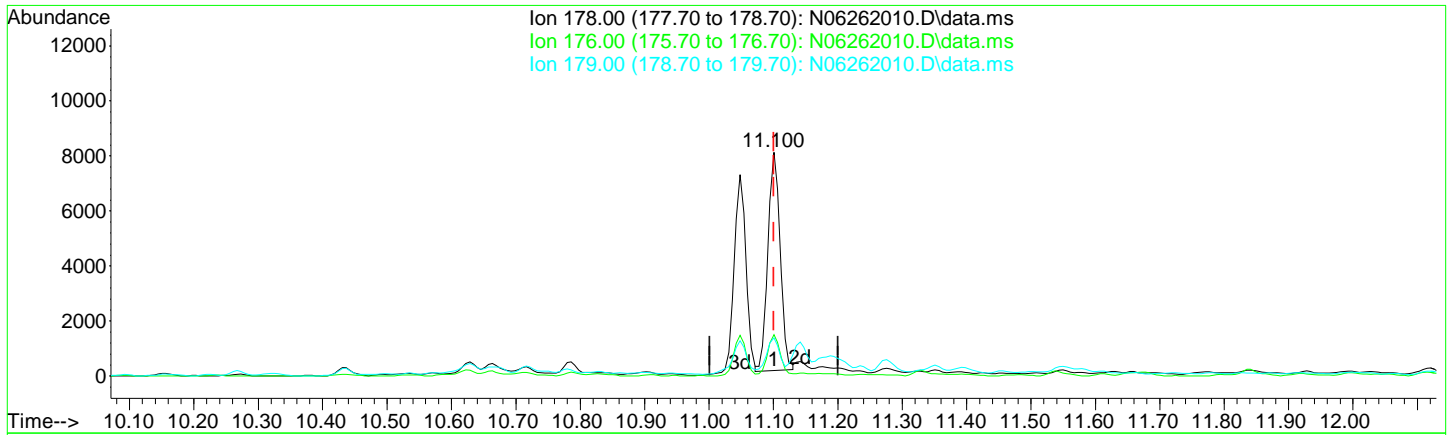
response 9585

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 20.21 |
| 179.00 | 15.10 | 17.54 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262010.D\data.ms

(19) Anthracene (T)

11.100min (0.000) 4.58 ng/ml

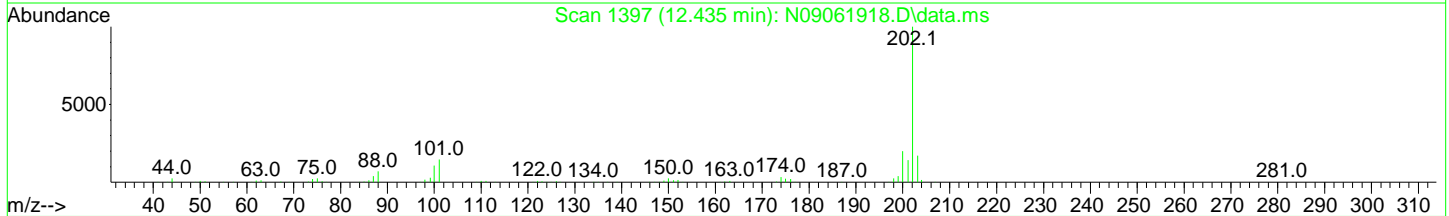
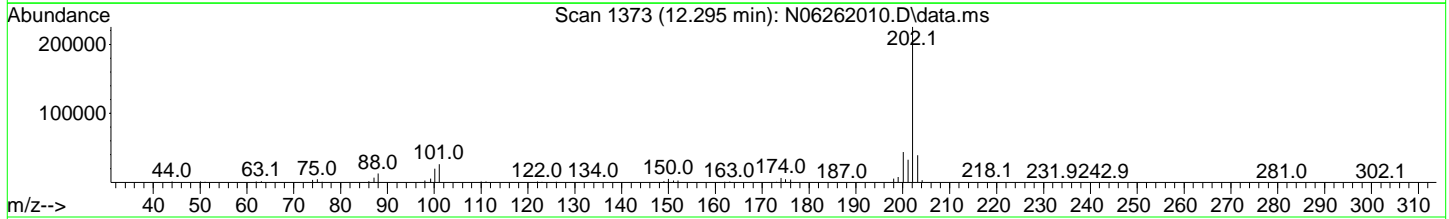
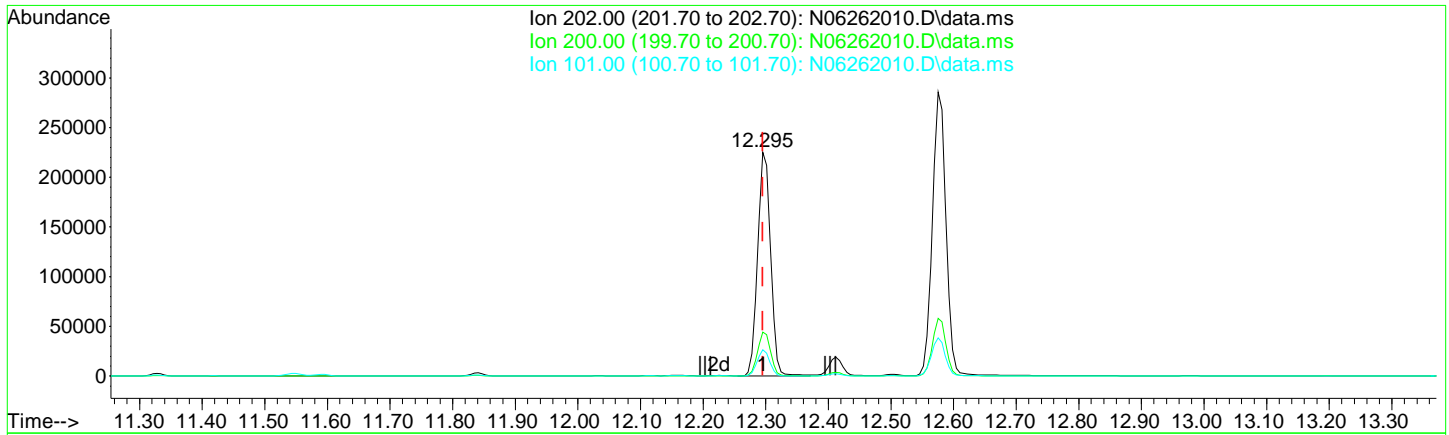
response 10453

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 18.44 |
| 179.00 | 15.30 | 17.12 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262010.D\data.ms

(22) Fluoranthene (T)

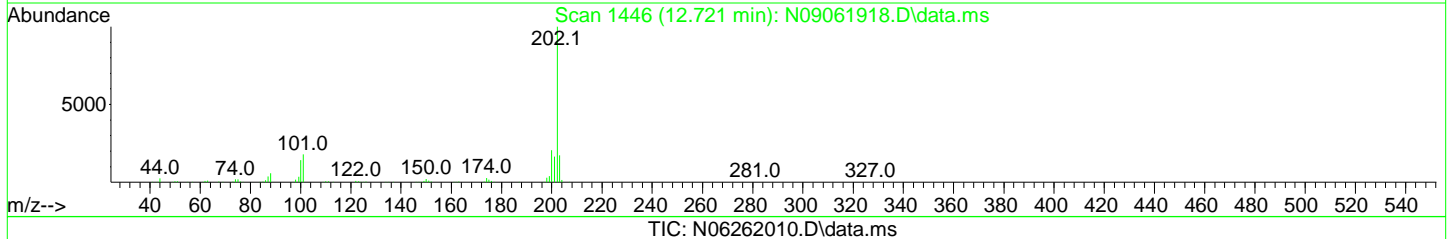
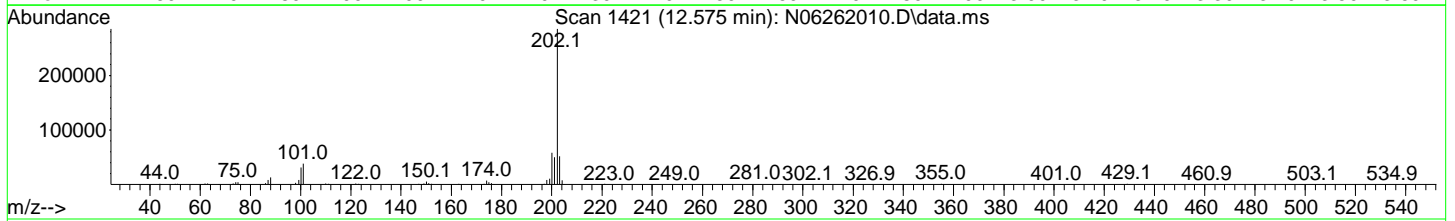
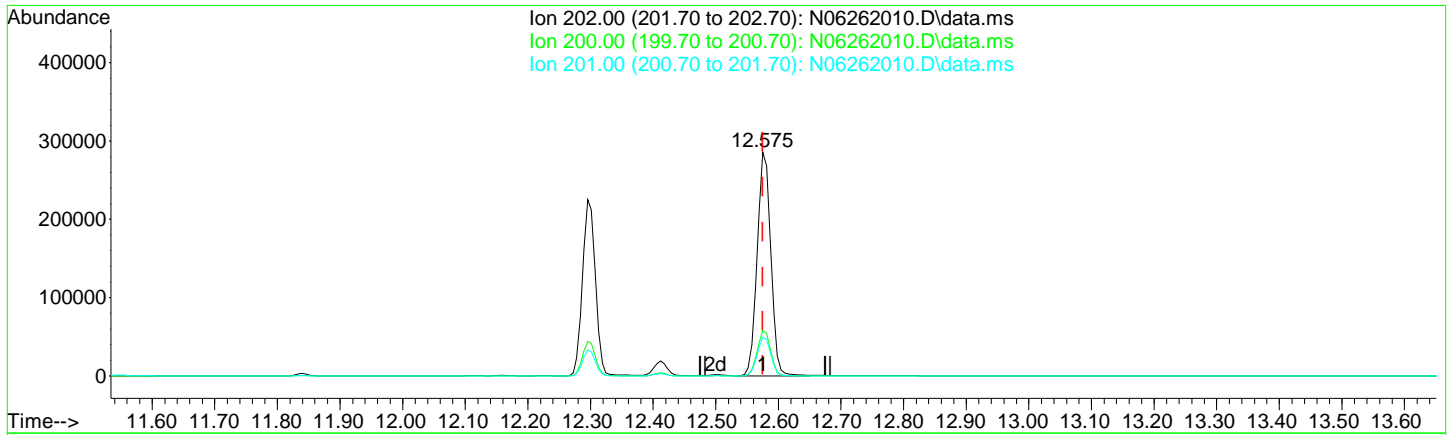
12.295min (0.000) 117.27 ng/ml

| response | 321872 |
|----------|---------------|
| Ion | Exp% Act% |
| 202.00 | 100.00 100.00 |
| 200.00 | 19.70 19.66 |
| 101.00 | 15.30 11.68 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262010.D\data.ms

(24) Pyrene (T)

12.575min (0.000) 161.14 ng/ml

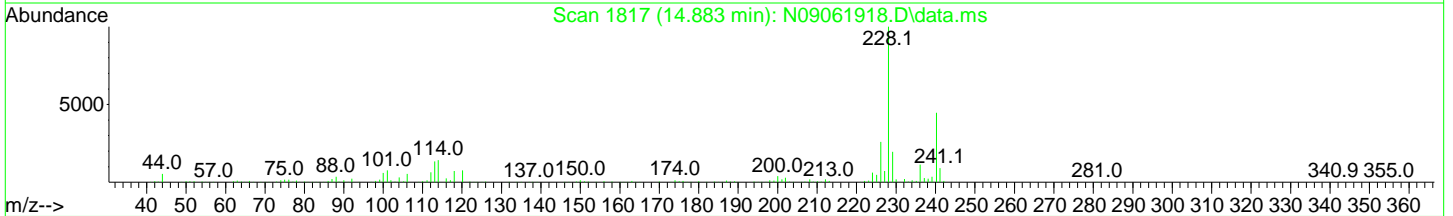
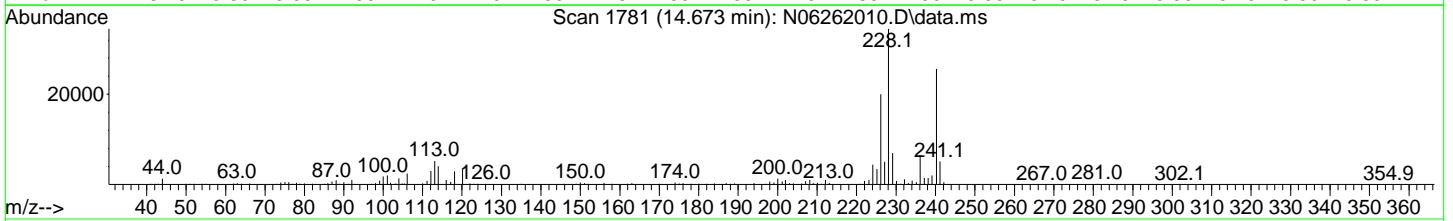
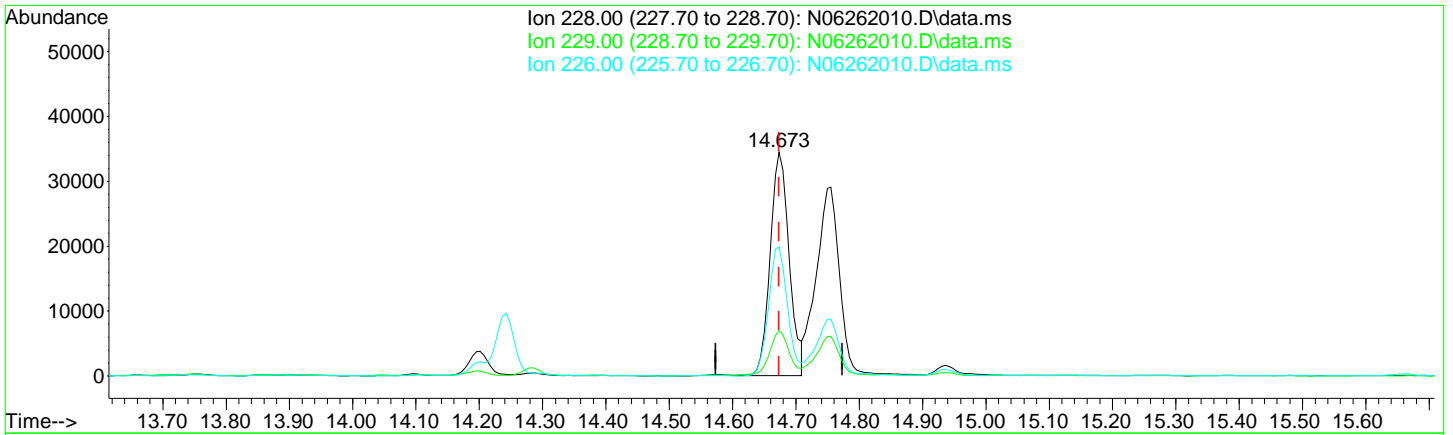
response 429578

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.31 |
| 201.00 | 16.80 | 17.39 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262010.D\data.ms

(26) Benz(a)anthracene (T)

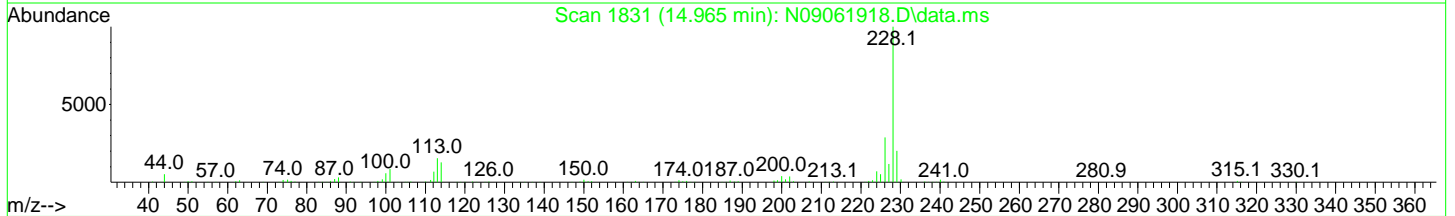
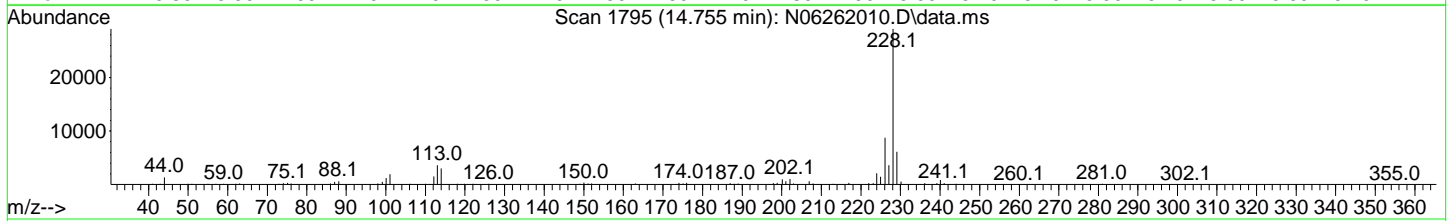
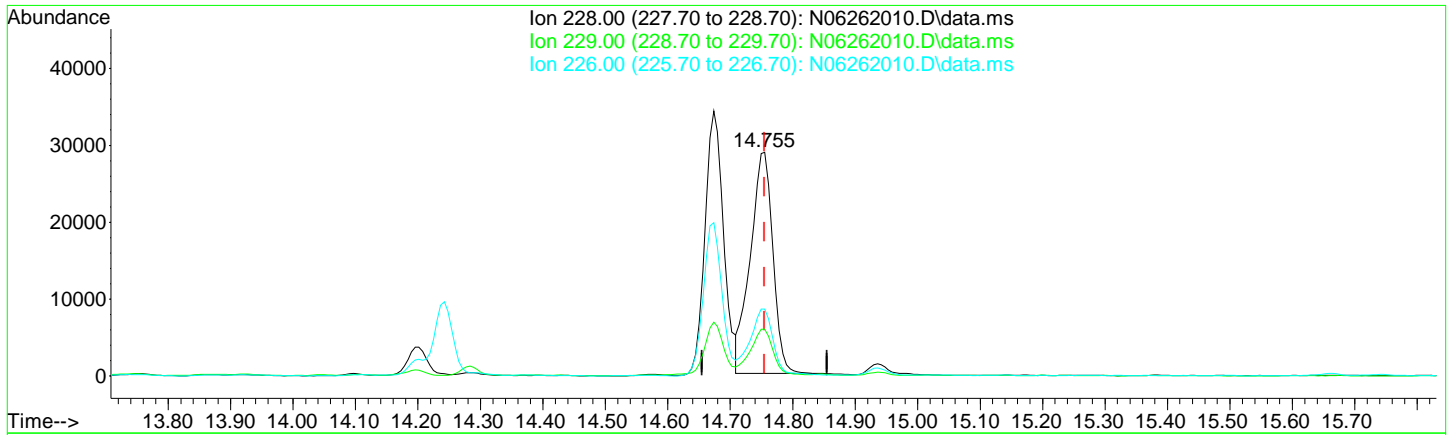
14.673min (+ 0.000) 33.47 ng/ml

| response | 71340 |
|----------|---------------|
| Ion | Exp% Act% |
| 228.00 | 100.00 100.00 |
| 229.00 | 19.40 20.30 |
| 226.00 | 26.20 57.90# |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



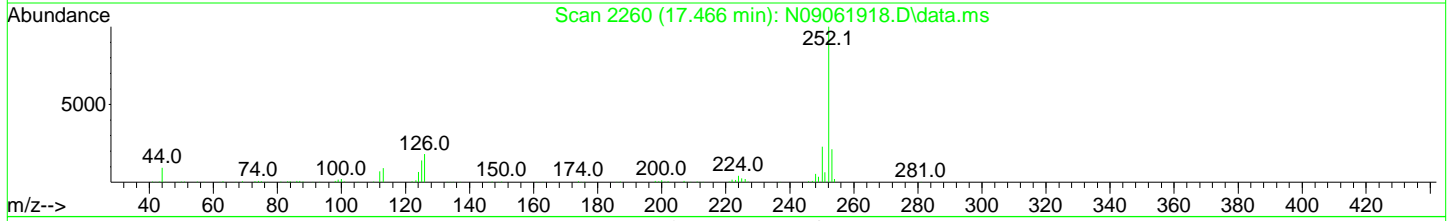
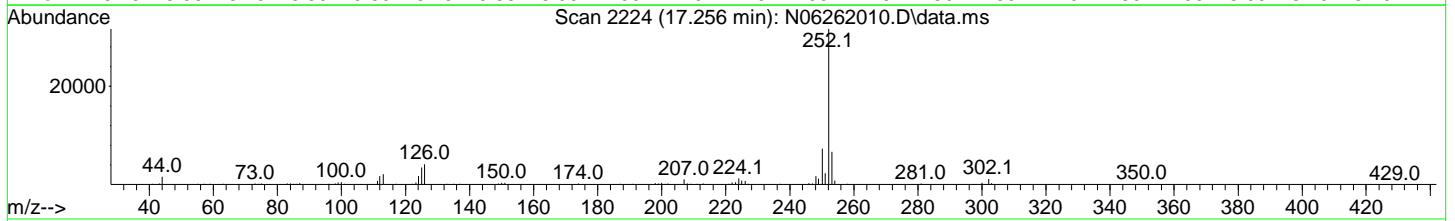
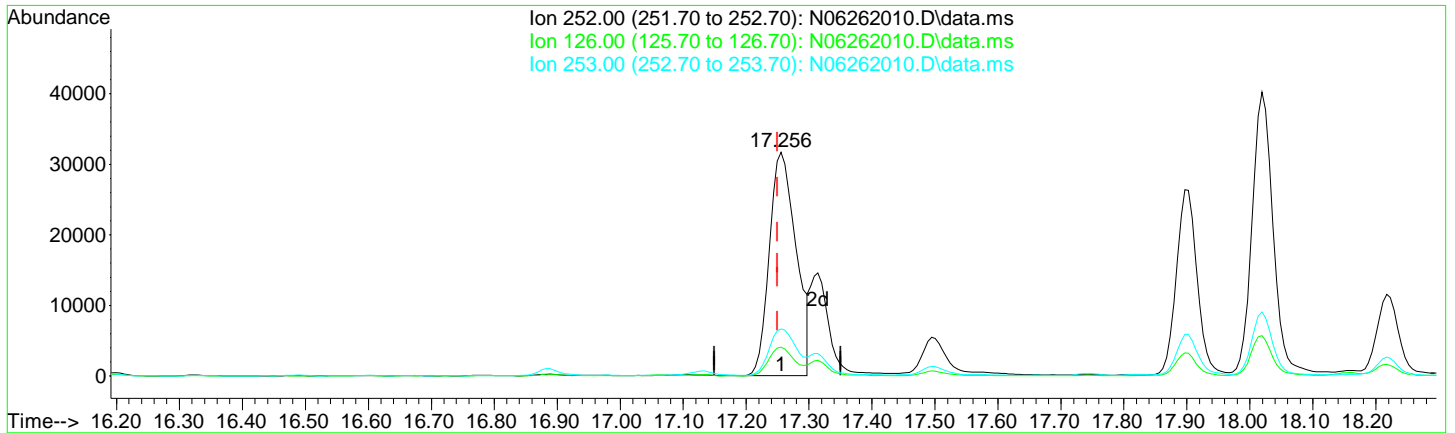
TIC: N06262010.D\data.ms

| (27) Chrysene (T) | | |
|---------------------|----------|---------------|
| Time | Response | Concentration |
| 14.755min (+ 0.000) | 72147 | 32.91 ng/ml |
| Ion | Exp% | Act% |
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60 | 20.97 |
| 226.00 | 28.60 | 30.01 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



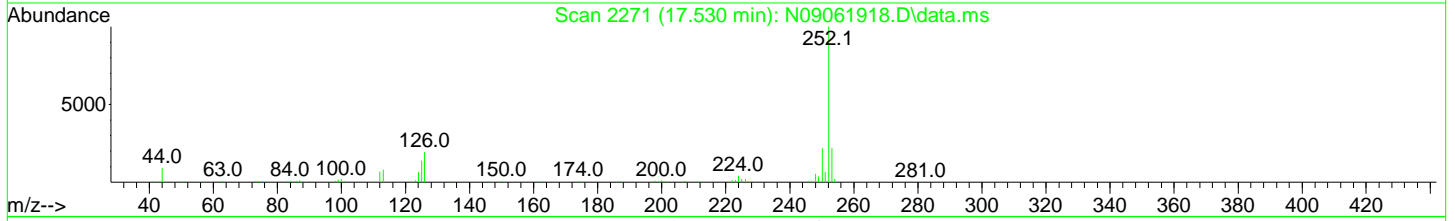
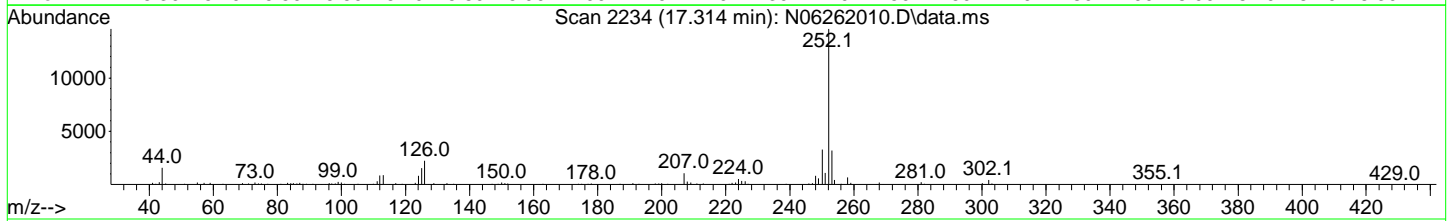
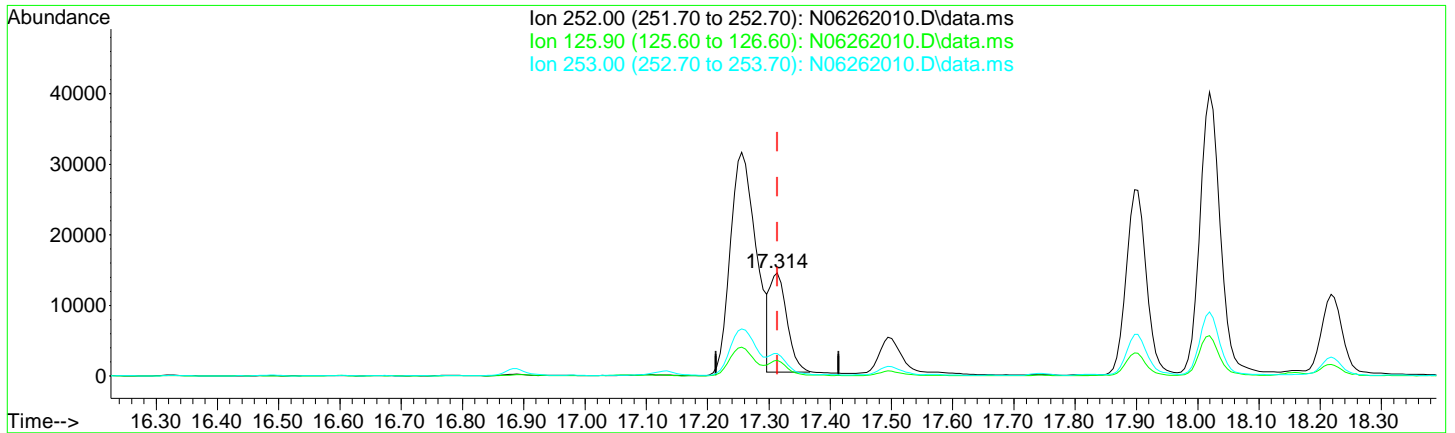
TIC: N06262010.D\data.ms

| (29) Benzo(b)fluoranthene (T) | | |
|-------------------------------|-------------|--------|
| 17.256min (+ 0.006) | 45.92 ng/ml | |
| response | 93630 | |
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 126.00 | 20.00 | 12.97 |
| 253.00 | 21.10 | 21.09 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262010.D\data.ms

(30) Benzo(k)fluoranthene (T)

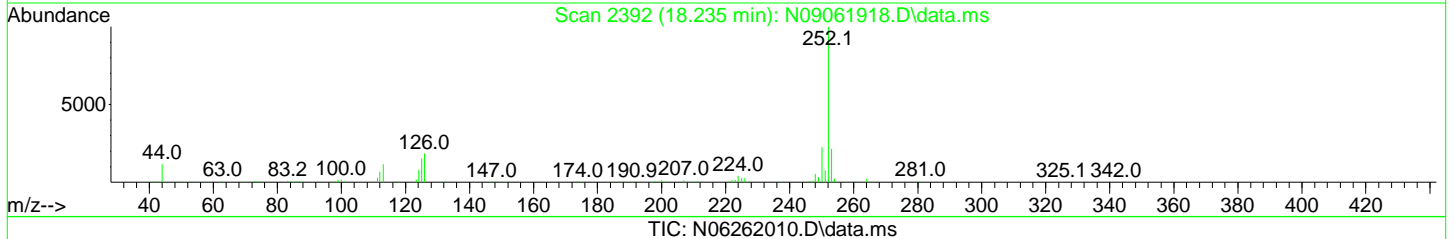
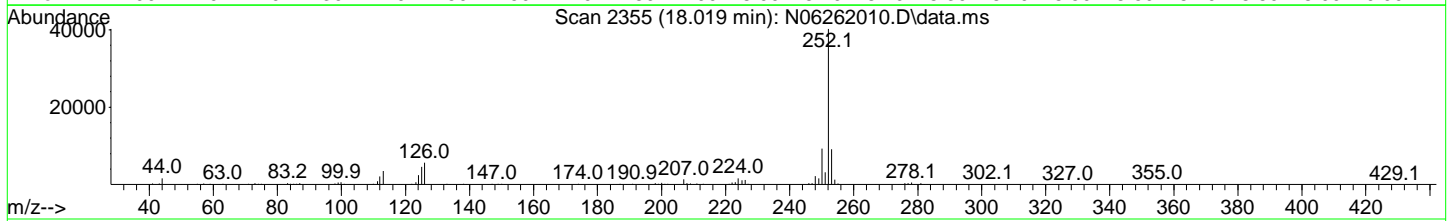
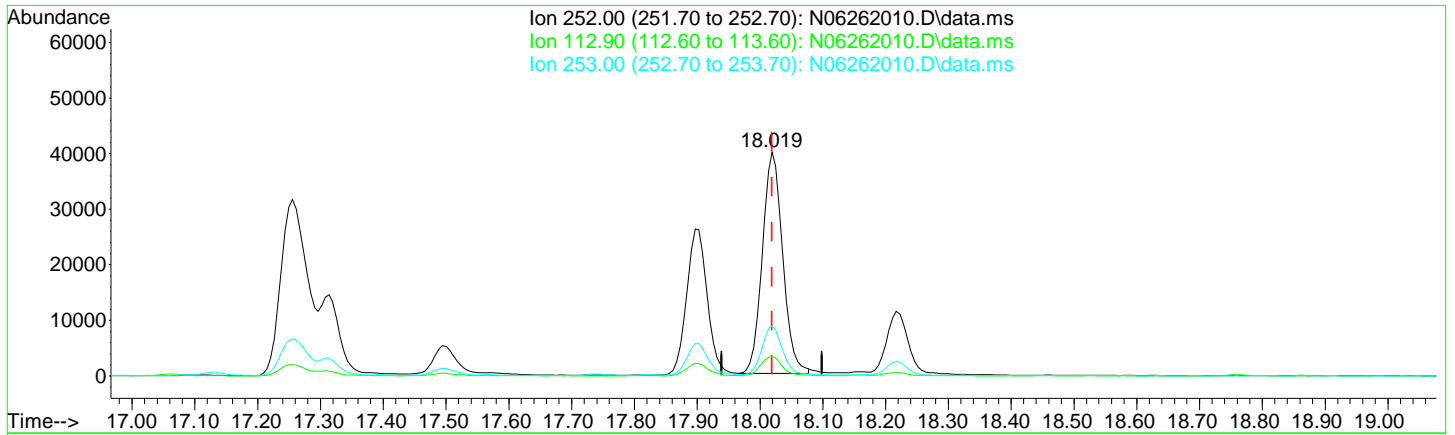
17.314min (+ 0.000) 13.25 ng/ml m

| response | 26943 |
|----------|---------------|
| Ion | Exp% Act% |
| 252.00 | 100.00 100.00 |
| 125.90 | 22.10 15.35 |
| 253.00 | 21.50 21.90 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



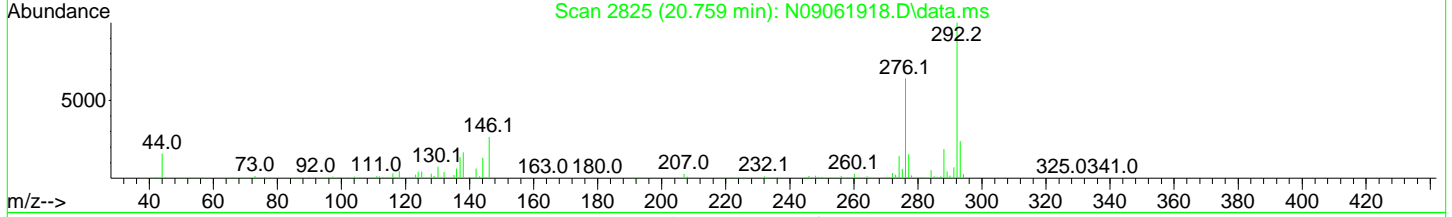
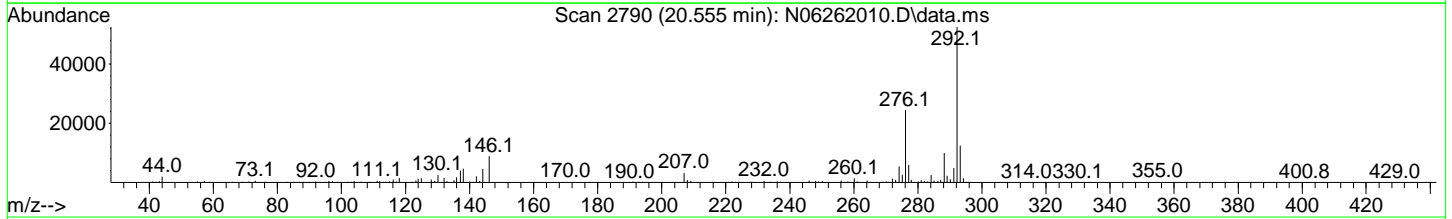
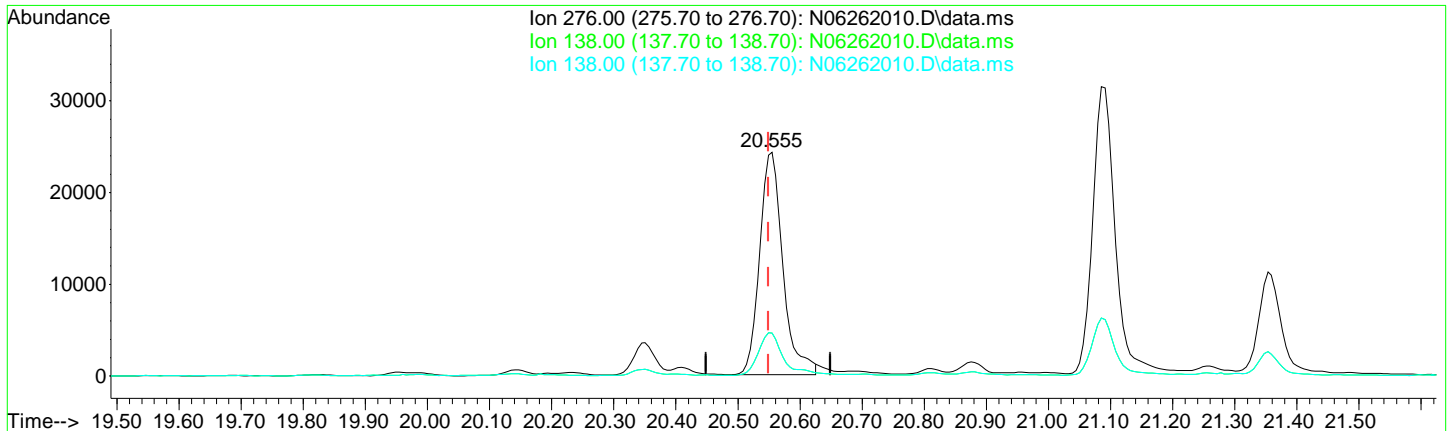
TIC: N06262010.D\data.ms

| (33) Benzo(a)pyrene (T) | | |
|-------------------------|-------------|--------|
| 18.019min (+ 0.000) | 55.12 ng/ml | |
| response | 90164 | |
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 8.74 |
| 253.00 | 21.90 | 22.57 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



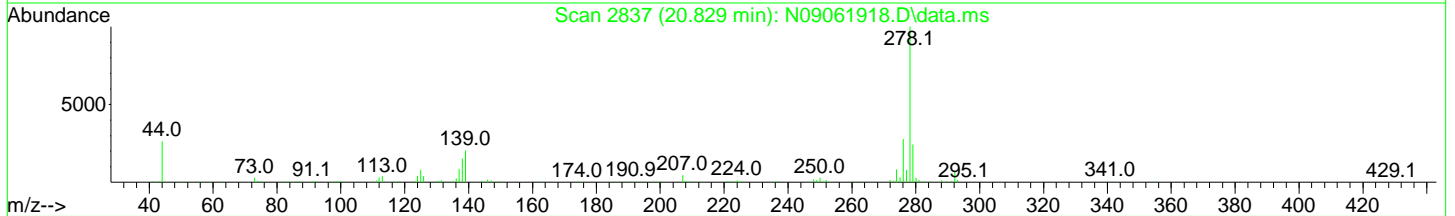
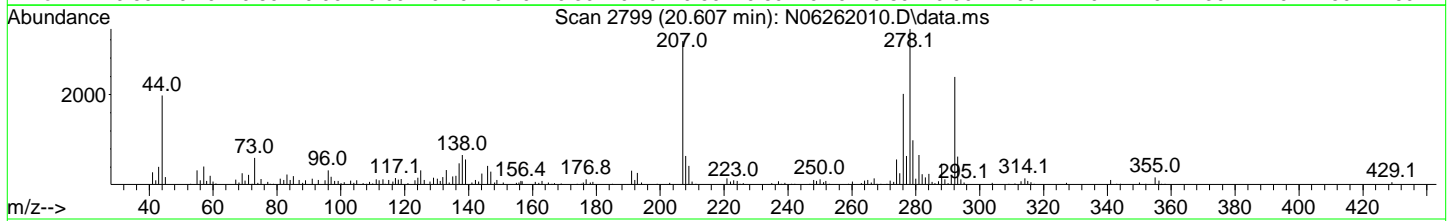
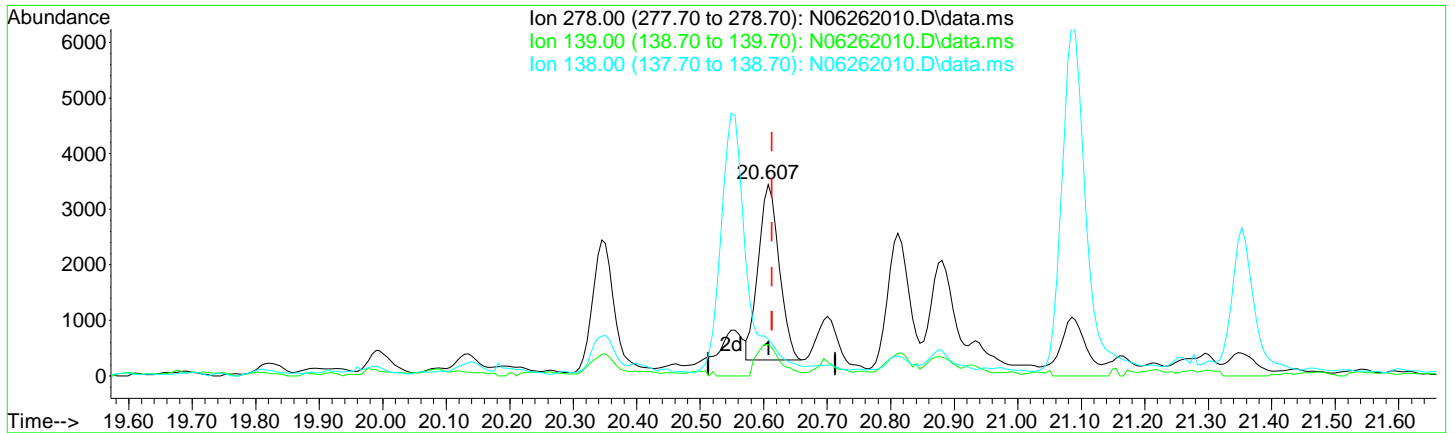
TIC: N06262010.D\data.ms

| (36) Indeno(1,2,3-cd)Pyrene (T) | | |
|---------------------------------|-------------|--------|
| 20.555min (+ 0.006) | 34.39 ng/ml | |
| response | 63238 | |
| Ion | Exp% | Act% |
| 276.00 | 100.00 | 100.00 |
| 138.00 | 31.60 | 19.22 |
| 138.00 | 31.60 | 19.22 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262010.D\data.ms

(37) Dibenz(a,h)anthracene (T)

20.607min (-0.006) 3.85 ng/ml

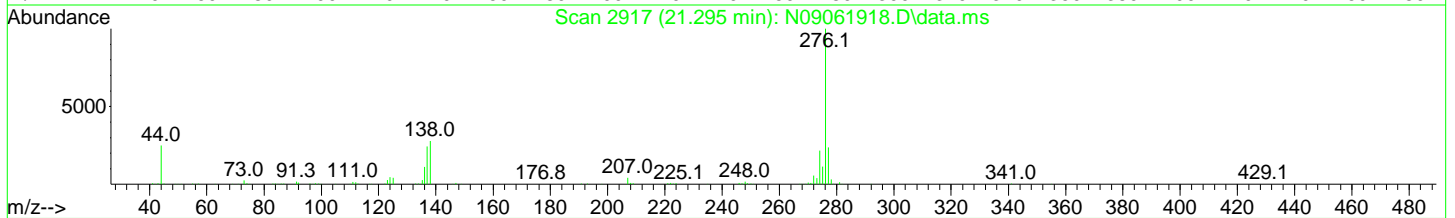
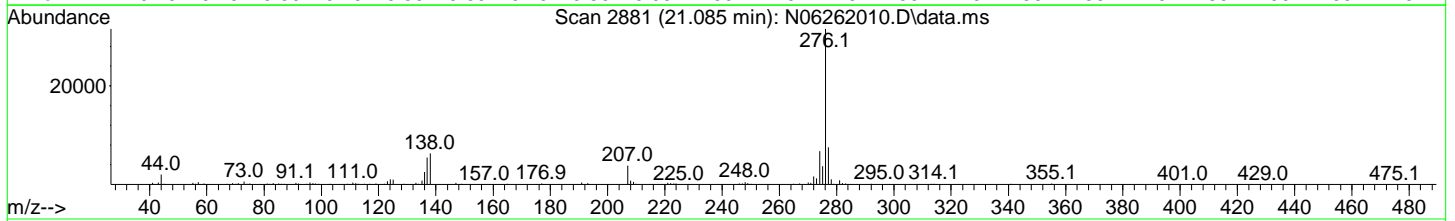
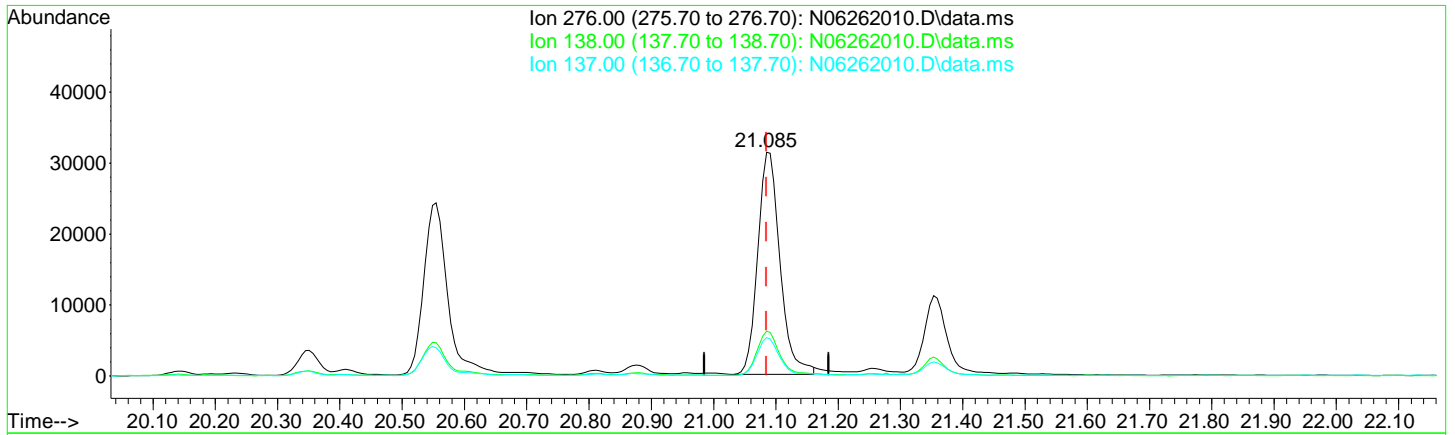
response 7135

| Ion | Exp% | Act% |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 26.00 | 16.48 |
| 138.00 | 19.90 | 19.36 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262010.D
 Acq On : 26 Jun 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-03RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 09:49:19 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262010.D\data.ms

(38) Benzo(g,h,i)perylene (T)

21.085min (+ 0.000) 39.44 ng/ml

| response | 77789 |
|----------|---------------|
| Ion | Exp% Act% |
| 276.00 | 100.00 100.00 |
| 138.00 | 34.40 20.08 |
| 137.00 | 28.60 17.25 |
| 0.00 | 0.00 0.00 |

AML 06/29/20

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 10:11:20 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 238795 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.515 | 162 | 157259 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 274342 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.697 | 240 | 243915 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.159 | 264 | 231524 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.549 | 292 | 196378 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.073 | 82 | 53247 | 71.38 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.828 | 172 | 180808 | 74.26 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.774 | 244 | 219353 | 93.07 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Decalin | 7.190 | 138 | 133 | 0.70 | ng/ml# | 44 |
| 4) Naphthalene | 7.784 | 128 | 258539 | 99.40 | ng/ml | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 17554 | 10.05 | ng/ml | 96 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 9166 | 5.29 | ng/ml | 98 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 3402 | 1.55 | ng/ml | 94 |
| 8) 2,6-Dimethylnaphthalene | 9.096 | 156 | 3145 | 2.08 | ng/ml | 94 |
| 11) Acenaphthylene | 9.375 | 152 | 28860 | 9.84 | ng/ml | 99 |
| 12) Acenaphthene | 9.550 | 153 | 411728 | 191.40 | ng/ml | 100 |
| 13) Dibenzofuran | 9.725 | 168 | 4956 | 1.90 | ng/ml | 95 |
| 14) 1,6,7-Trimethylnaphtha... | 9.923 | 170 | 1636 | 0.97 | ng/ml# | 1 |
| 15) Fluorene | 10.069 | 166 | 12785 | 6.18 | ng/ml | 98 |
| 17) Dibenzothiopene | 10.920 | 184 | 26508 | 9.56 | ng/ml | 95 |
| 18) Phenanthrene | 11.048 | 178 | 65043 | 20.60 | ng/ml | 99 |
| 19) Anthracene | 11.101 | 178 | 14278 | 5.52 | ng/ml | 98 |
| 20) Carbazole | 11.270 | 167 | 6922 | 3.10 | ng/ml | 98 |
| 21) 1-Methylphenanthrene | 11.654 | 192 | 4736 | 2.22 | ng/ml# | 1 |
| 22) Fluoranthene | 12.296 | 202 | 104728 | 33.65 | ng/ml | 96 |
| 24) Pyrene | 12.575 | 202 | 140637 | 44.45 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.674 | 228 | 27753 | 10.97 | ng/ml# | 62 |
| 27) Chrysene | 14.755 | 228 | 38497 | 14.80 | ng/ml | 97 |
| 29) Benzo(b)fluoranthene | 17.256 | 252 | 37073 | 15.49 | ng/ml | 91 |
| 30) Benzo(k)fluoranthene | 17.314 | 252 | 11877m | 4.98 | ng/ml | |
| 31) Benzo(b+k)fluoranthene | 17.256 | 252 | 52268 | 20.77 | ng/ml | 89 |
| 32) Benzo(e)pyrene | 17.903 | 252 | 25055 | 10.01 | ng/ml | 98 |

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 10:11:20 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

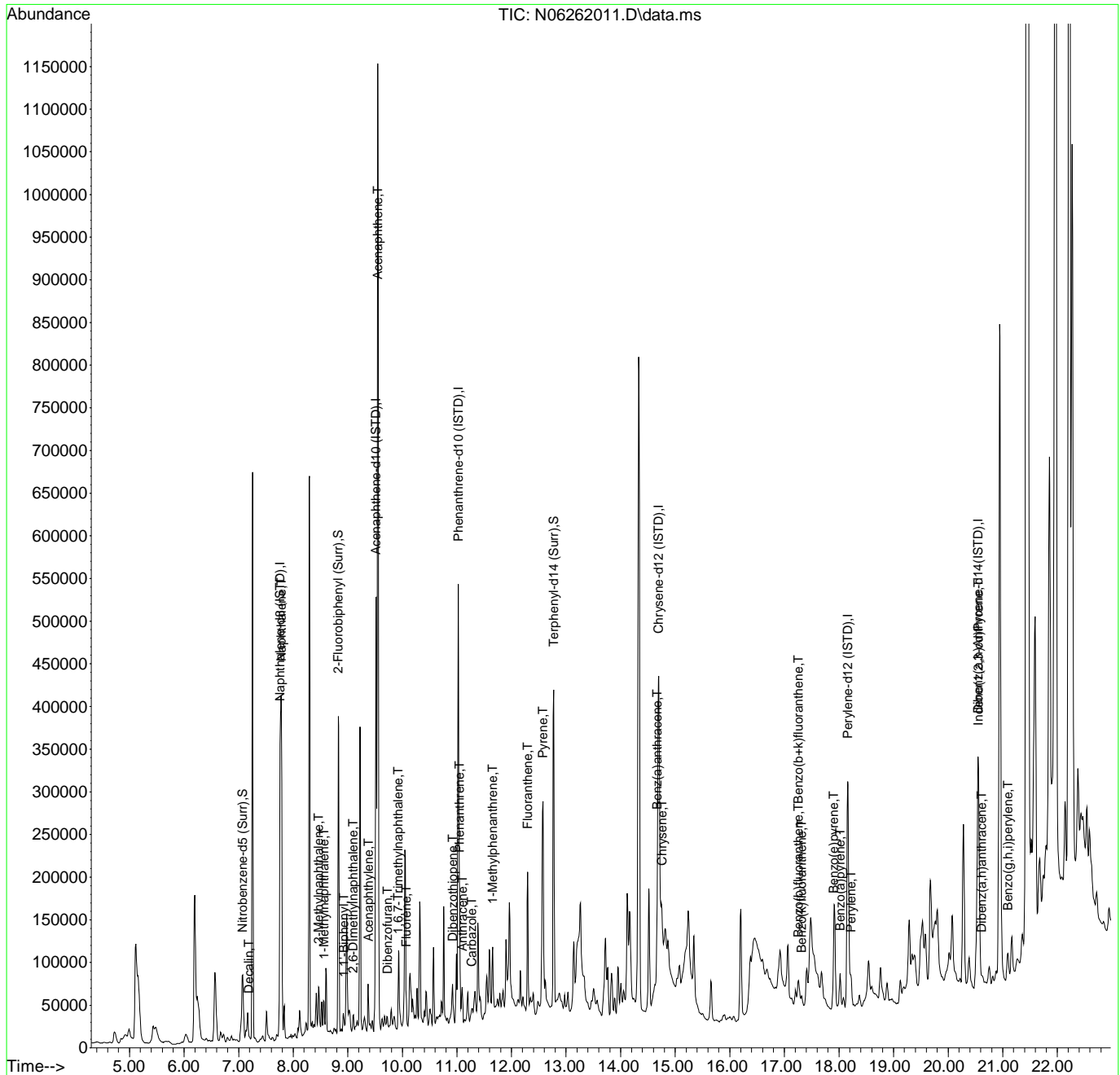
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.019 | 252 | 35136 | 18.81 | ng/ml | 97 |
| 34) Perylene | 18.217 | 252 | 32912 | 12.77 | ng/ml | 99 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.555 | 276 | 25804 | 12.10 | ng/ml | 84 |
| 37) Dibenz(a,h)anthracene | 20.613 | 278 | 2950 | 1.37 | ng/ml | 92 |
| 38) Benzo(g,h,i)perylene | 21.097 | 276 | 30862 | 13.49 | ng/ml | 83 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 10:11:20 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.761 | 136 | 238795 | 100.00 | ng/ml | 0.00 |
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| 16) Phenanthrene-d10 (ISTD) | 11.025 | 188 | 274342 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.697 | 240 | 243915 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.159 | 264 | 231524 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthrcene-d... | 20.549 | 292 | 196378 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.073 | 82 | 53247 | 71.38 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.828 | 172 | 180808 | 74.26 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.774 | 244 | 219353 | 93.07 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Decalin | 7.190 | 138 | 133 | 0.70 | ng/ml# | 44 |
| 4) Naphthalene | 7.784 | 128 | 258539 | 99.40 | ng/ml | 99 |
| 5) 2-Methylnaphthalene | 8.466 | 142 | 17554 | 10.05 | ng/ml | 96 |
| 6) 1-Methylnaphthalene | 8.565 | 142 | 9166 | 5.29 | ng/ml | 98 |
| 7) 1,1'-Biphenyl | 8.932 | 154 | 3402 | 1.55 | ng/ml | 94 |
| 8) 2,6-Dimethylnaphthalene | 9.096 | 156 | 3145 | 2.08 | ng/ml | 94 |
| 11) Acenaphthylene | 9.375 | 152 | 28860 | 9.84 | ng/ml | 99 |
| 12) Acenaphthene | 9.550 | 153 | 411728 | 191.40 | ng/ml | 100 |
| 13) Dibenzofuran | 9.725 | 168 | 4956 | 1.90 | ng/ml | 95 |
| 14) 1,6,7-Trimethylnaphtha... | 9.923 | 170 | 1636 | 0.97 | ng/ml# | 1 |
| 15) Fluorene | 10.069 | 166 | 12785 | 6.18 | ng/ml | 98 |
| 17) Dibenzothiopene | 10.920 | 184 | 26508 | 9.56 | ng/ml | 95 |
| 18) Phenanthrene | 11.048 | 178 | 65043 | 20.60 | ng/ml | 99 |
| 19) Anthracene | 11.101 | 178 | 14278 | 5.52 | ng/ml | 98 |
| 20) Carbazole | 11.270 | 167 | 6922 | 3.10 | ng/ml | 98 |
| 21) 1-Methylphenanthrene | 11.654 | 192 | 4736 | 2.22 | ng/ml# | 1 |
| 22) Fluoranthene | 12.296 | 202 | 104728 | 33.65 | ng/ml | 96 |
| 24) Pyrene | 12.575 | 202 | 140637 | 44.45 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.674 | 228 | 27753 | 10.97 | ng/ml# | 62 |
| 27) Chrysene | 14.755 | 228 | 38497 | 14.80 | ng/ml | 97 |
| 29) Benzo(b)fluoranthene | 17.256 | 252 | 37073 | 15.49 | ng/ml | 91 |
| 30) Benzo(k)fluoranthene | 17.256 | 252 | 46607 | 19.53 | ng/ml | 89 |
| 31) Benzo(b+k)fluoranthene | 17.256 | 252 | 52268 | 20.77 | ng/ml | 89 |
| 32) Benzo(e)pyrene | 17.903 | 252 | 25055 | 10.01 | ng/ml | 98 |

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration

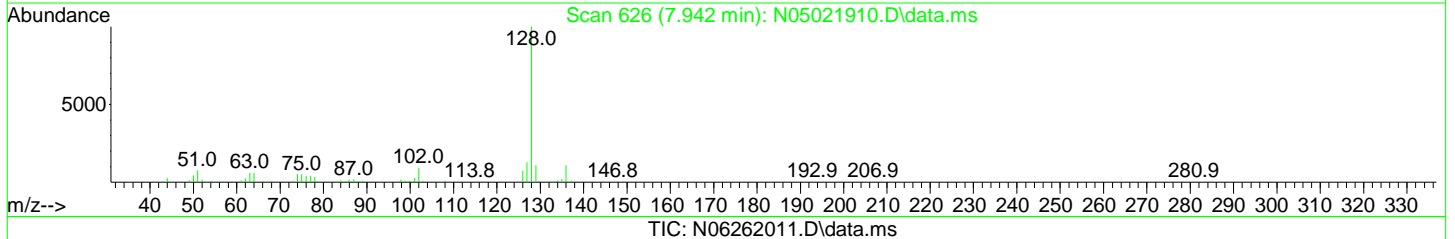
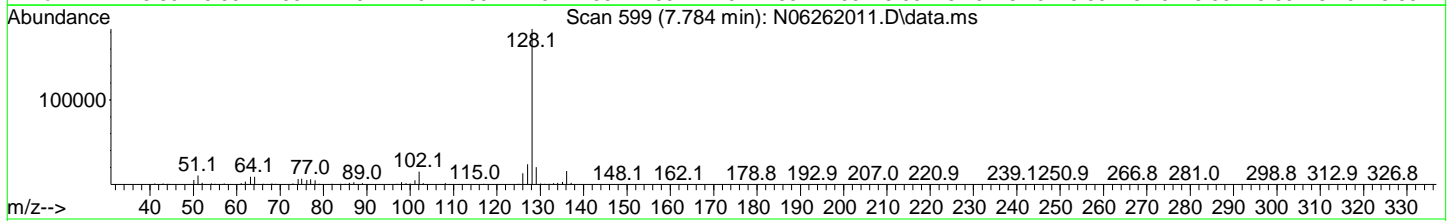
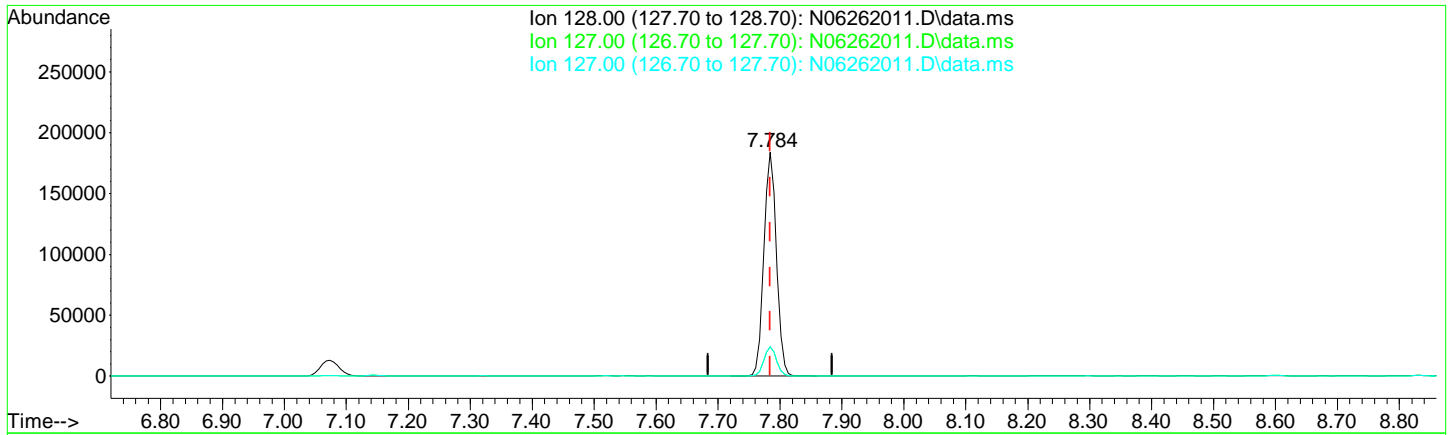
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene | 18.019 | 252 | 35136 | 18.81 | ng/ml | 97 |
| 34) Perylene | 18.217 | 252 | 32912 | 12.77 | ng/ml | 99 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.555 | 276 | 25804 | 12.10 | ng/ml | 84 |
| 37) Dibenz(a,h)anthracene | 20.613 | 278 | 2950 | 1.37 | ng/ml | 92 |
| 38) Benzo(g,h,i)perylene | 21.097 | 276 | 30862 | 13.49 | ng/ml | 83 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



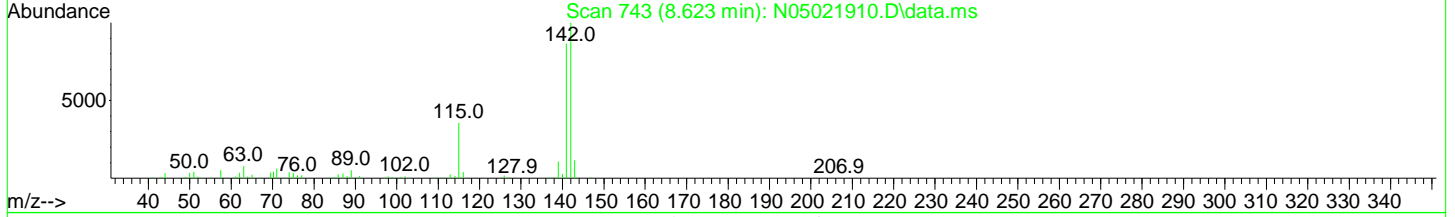
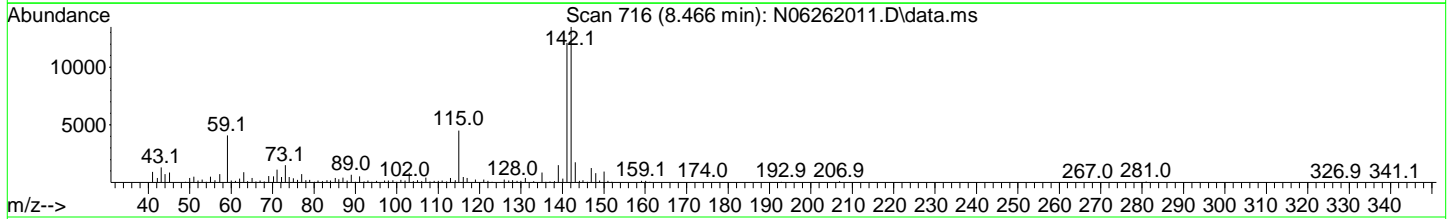
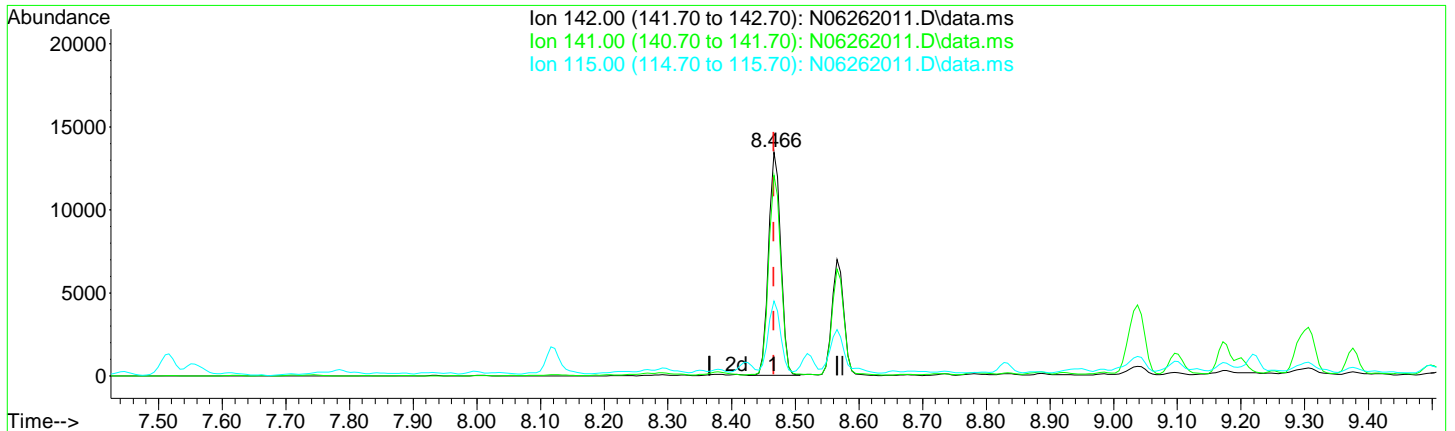
TIC: N06262011.D\data.ms

| (4) Naphthalene (T) | | | |
|--------------------------------|--------|--------|--|
| 7.784min (+ 0.000) 99.40 ng/ml | | | |
| response | 258539 | | |
| Ion | Exp% | Act% | |
| 128.00 | 100.00 | 100.00 | |
| 127.00 | 12.60 | 13.04 | |
| 127.00 | 12.60 | 13.04 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
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Quant Time: Jun 29 09:55:36 2020
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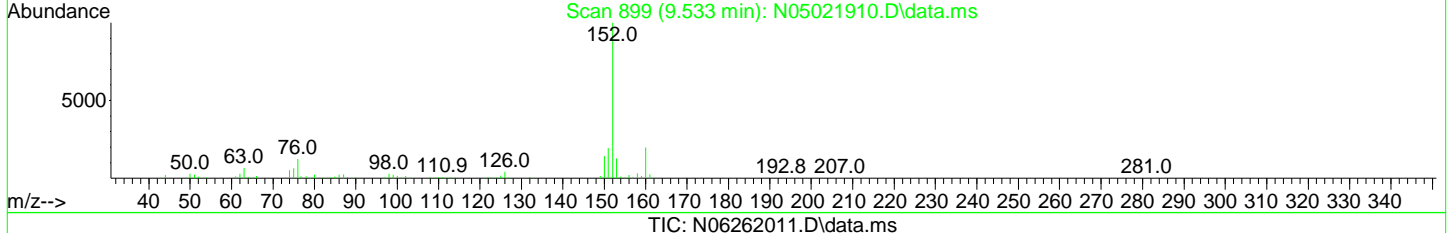
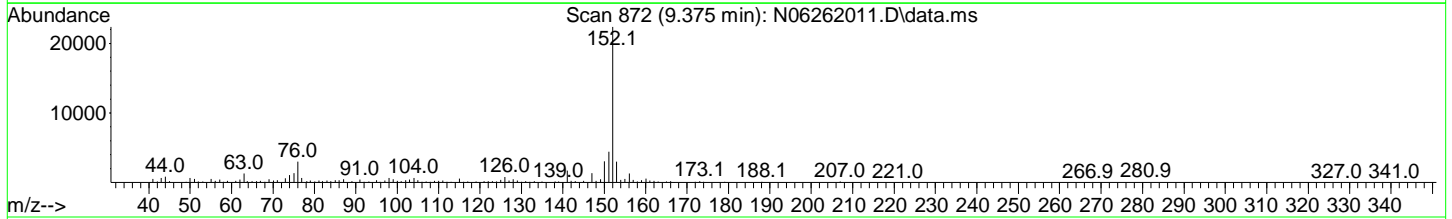
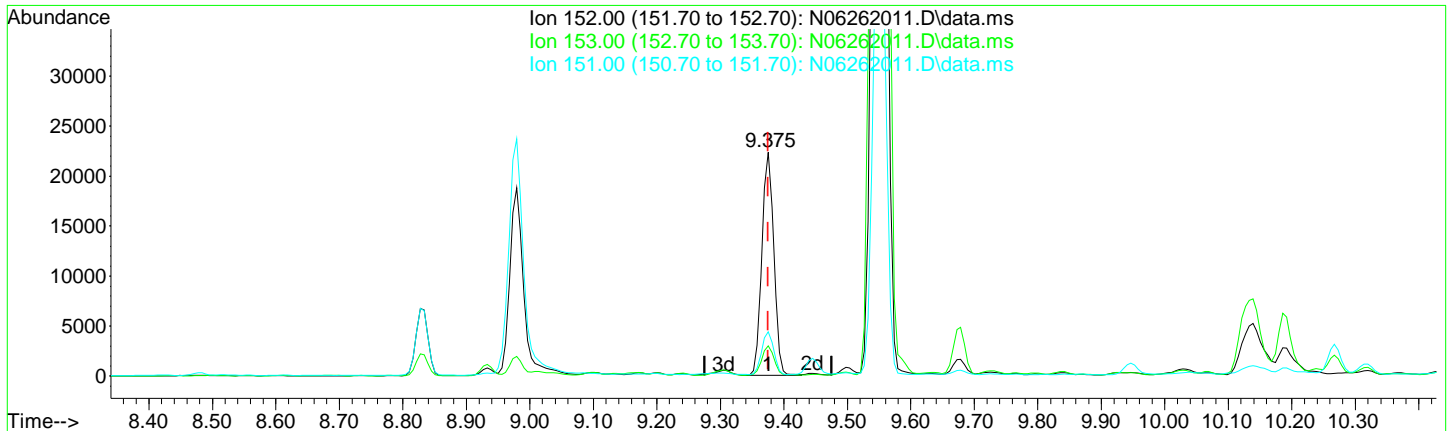
TIC: N06262011.D\data.ms

| (5) 2-Methylnaphthalene (T) | | |
|-----------------------------|-------------|--------|
| 8.466min (+ 0.000) | 10.05 ng/ml | |
| response | 17554 | |
| Ion | Exp% | Act% |
| 142.00 | 100.00 | 100.00 |
| 141.00 | 86.60 | 89.79 |
| 115.00 | 35.70 | 33.54 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
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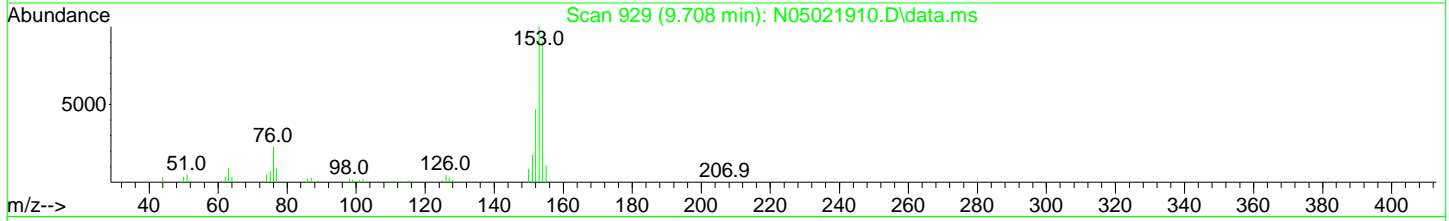
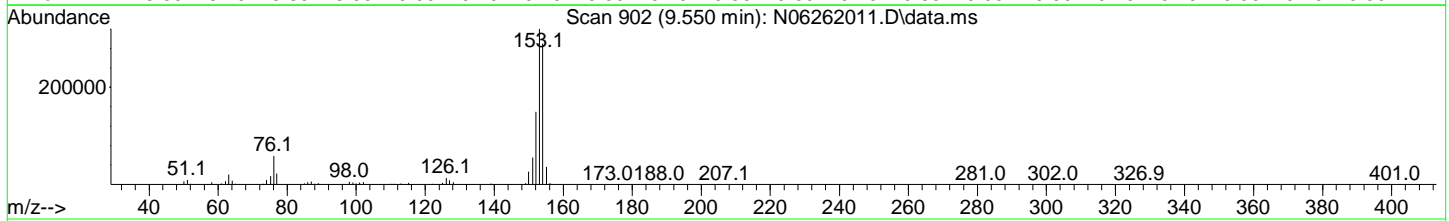
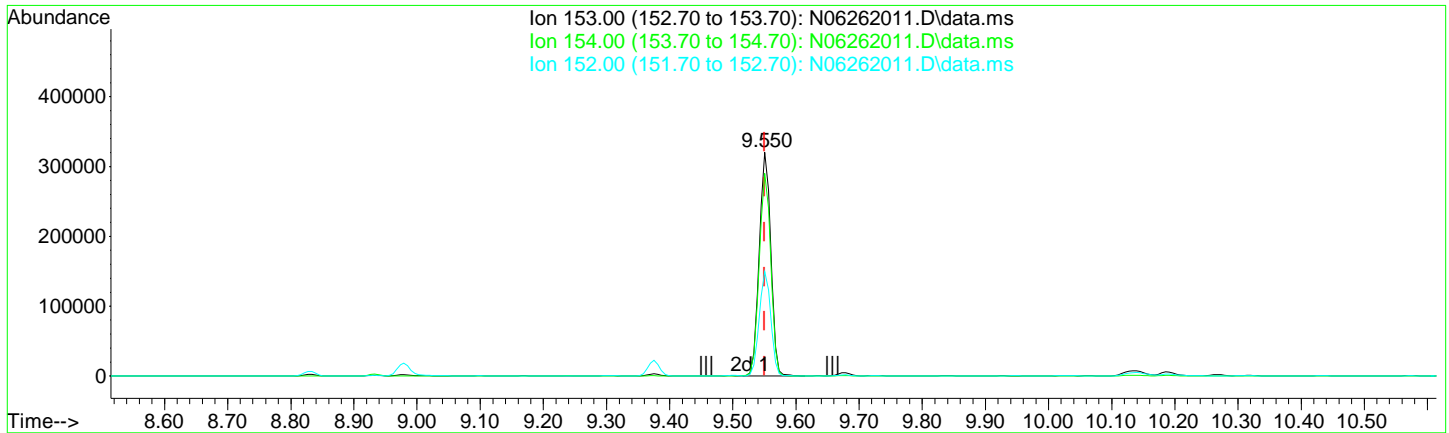
TIC: N06262011.D\data.ms

| (11) Acenaphthylene (T) | | |
|-------------------------|----------|---------------|
| Retention Time | Response | Concentration |
| 9.375min (+ 0.000) | 28860 | 9.84 ng/ml |
| Ion | Exp% | Act% |
| 152.00 | 100.00 | 100.00 |
| 153.00 | 12.70 | 13.51 |
| 151.00 | 19.30 | 19.80 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262011.D\data.ms

(12) Acenaphthene (T)

9.550min (+ 0.000) 191.40 ng/ml

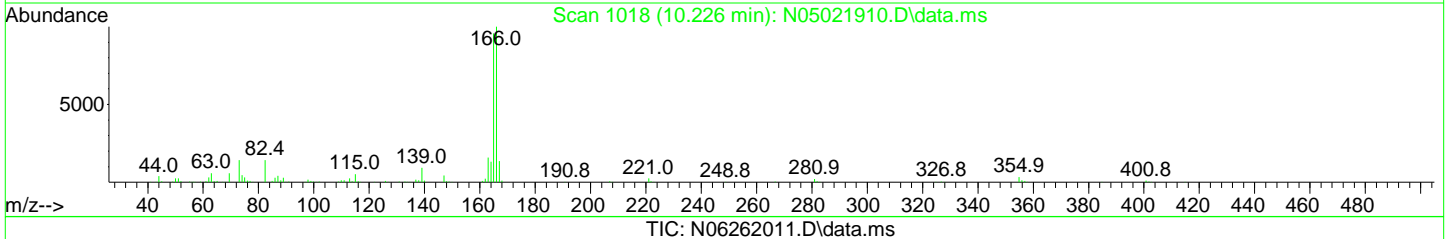
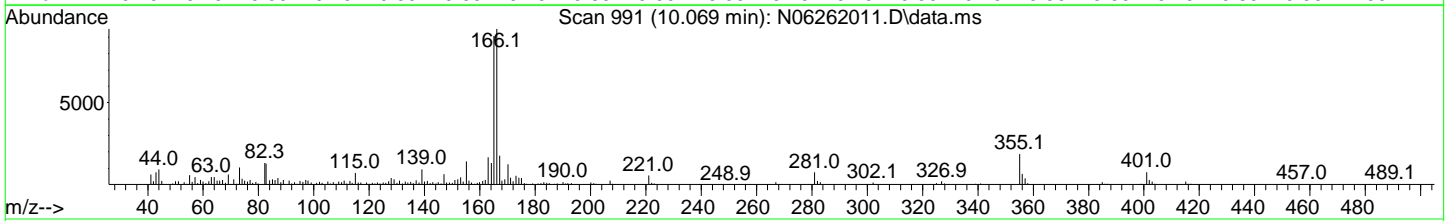
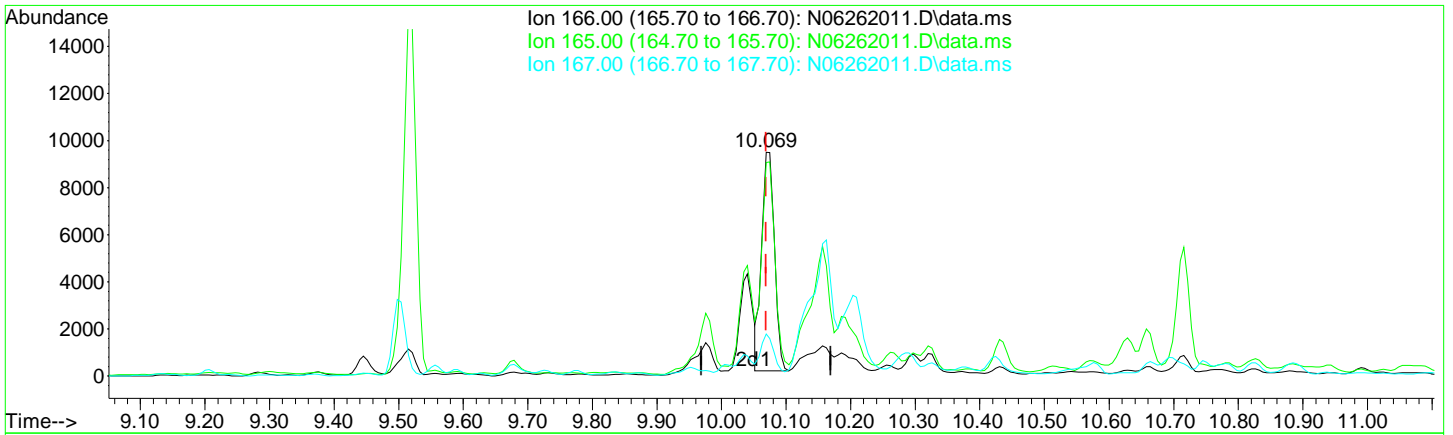
response 411728

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 90.55 |
| 152.00 | 46.80 | 46.62 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
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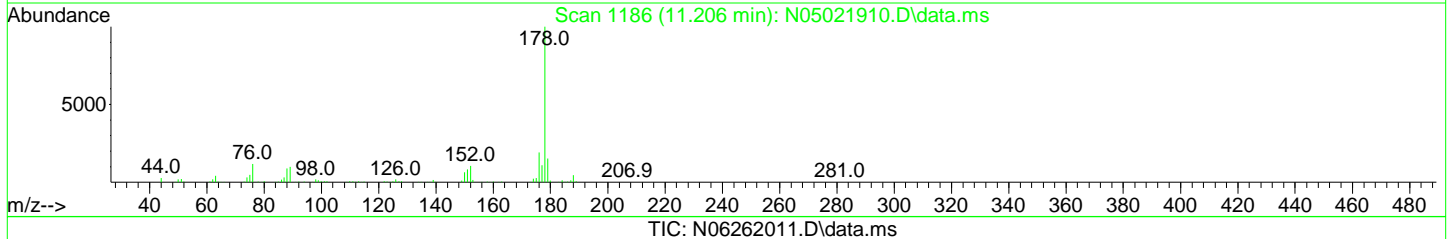
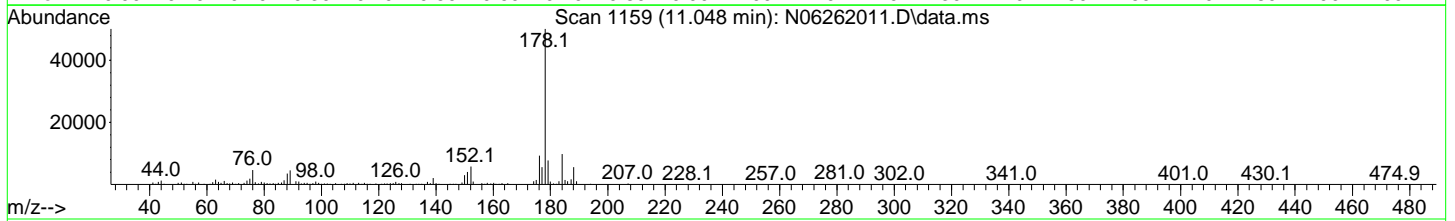
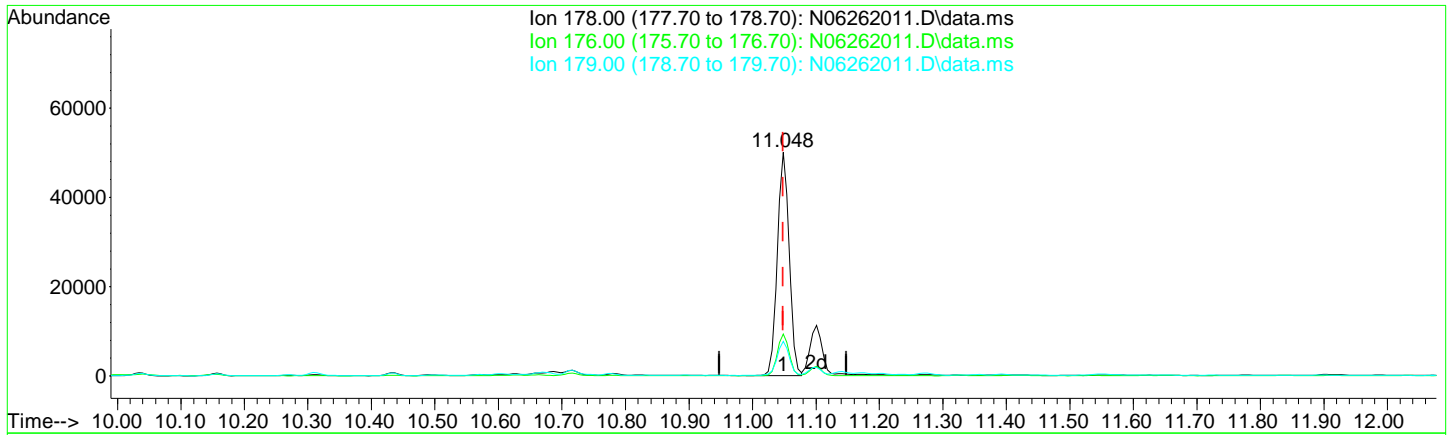
TIC: N06262011.D\data.ms

| (15) Fluorene (T) | | |
|---------------------|------------|--------|
| 10.069min (+ 0.000) | 6.18 ng/ml | |
| response | 12785 | |
| Ion | Exp% | Act% |
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70 | 95.42 |
| 167.00 | 13.60 | 18.73 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
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TIC: N06262011.D\data.ms

(18) Phenanthrene (T)

11.048min (+ 0.000) 20.60 ng/ml

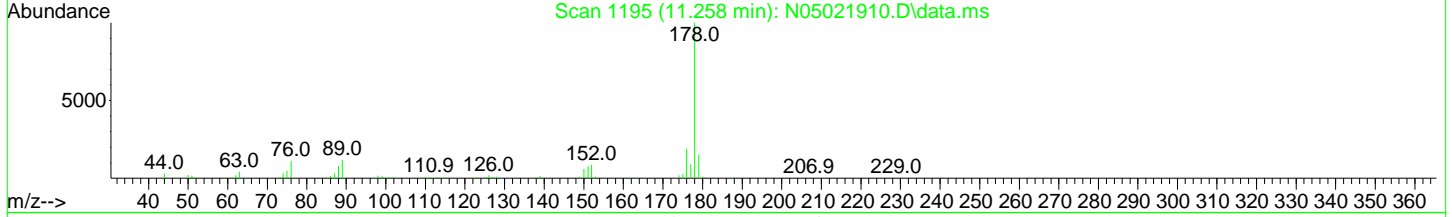
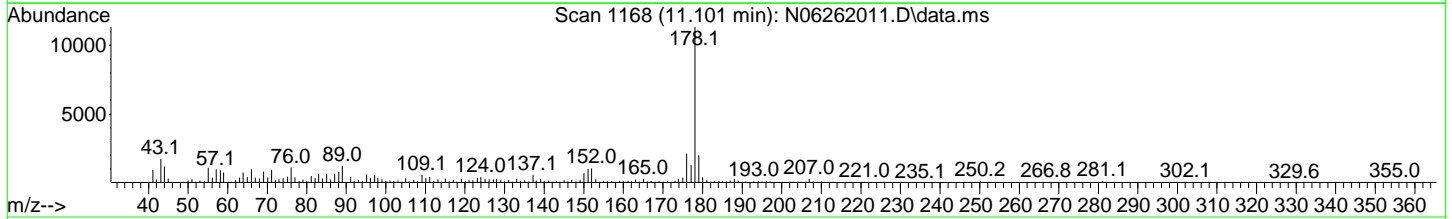
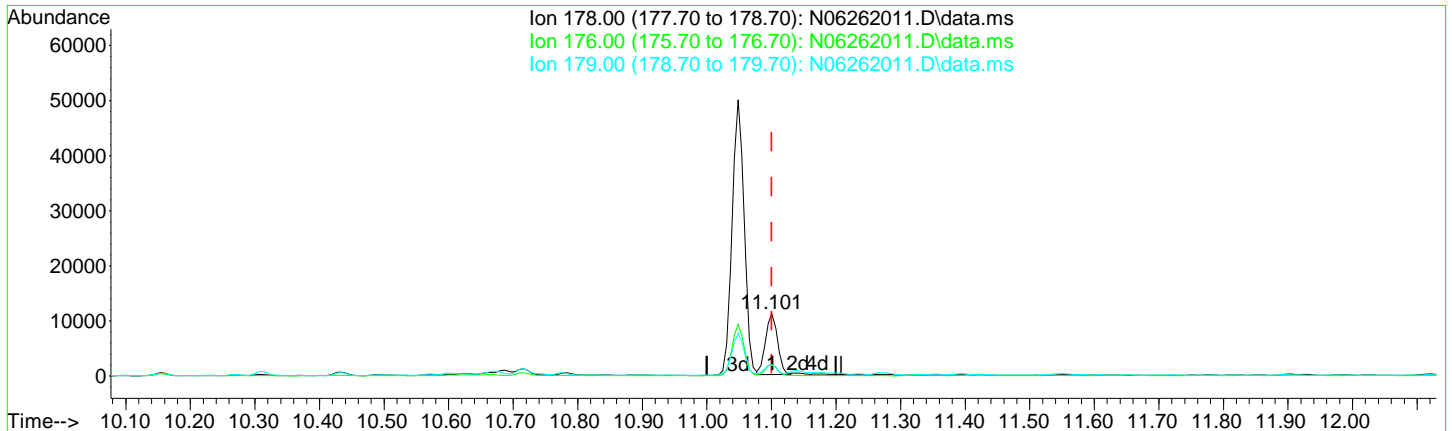
response 65043

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 18.70 |
| 179.00 | 15.10 | 15.51 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
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 Quant Title : EPA 8270D: Semivolatile Organics
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TIC: N06262011.D\data.ms

(19) Anthracene (T)

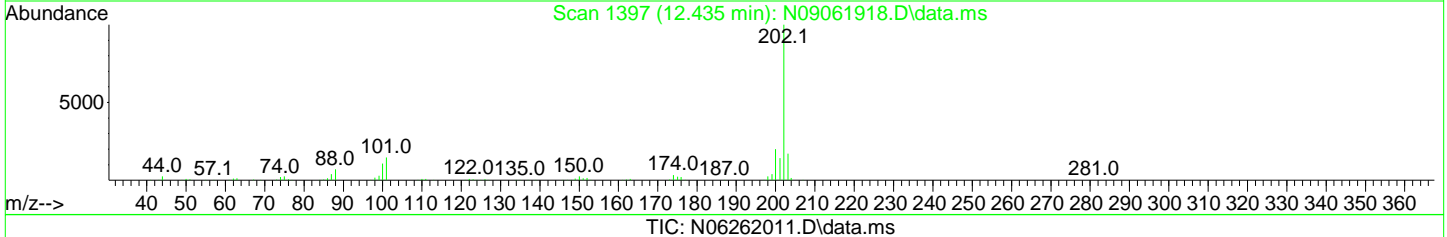
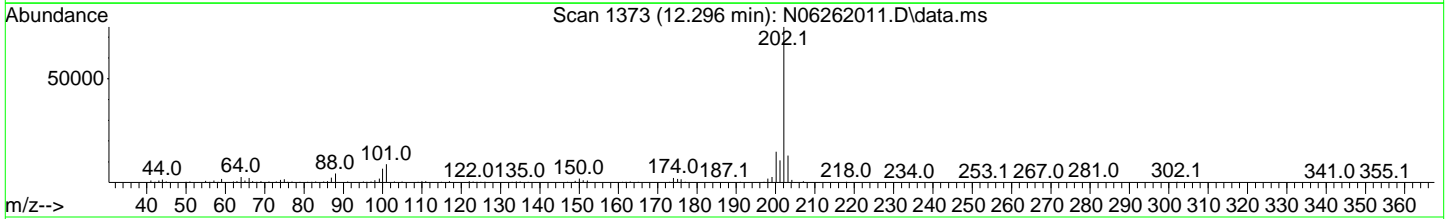
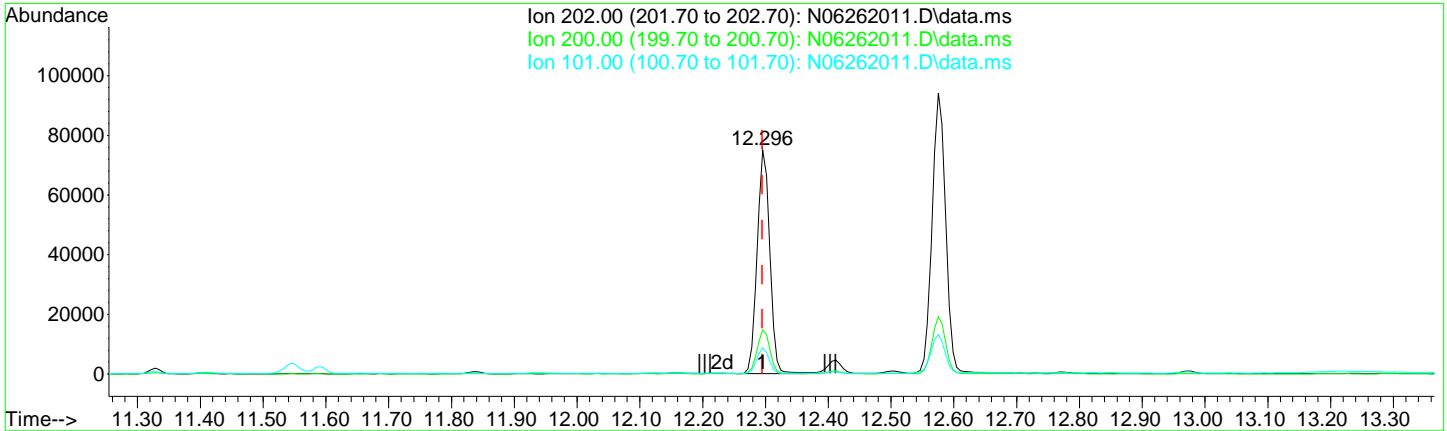
11.101min (+ 0.000) 5.52 ng/ml

| response | 14278 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 18.81 |
| 179.00 | 15.30 | 17.45 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
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Quant Time: Jun 29 09:55:36 2020
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 Response via : Initial Calibration



TIC: N06262011.D\data.ms

(22) Fluoranthene (T)

12.296min (+ 0.000) 33.65 ng/ml

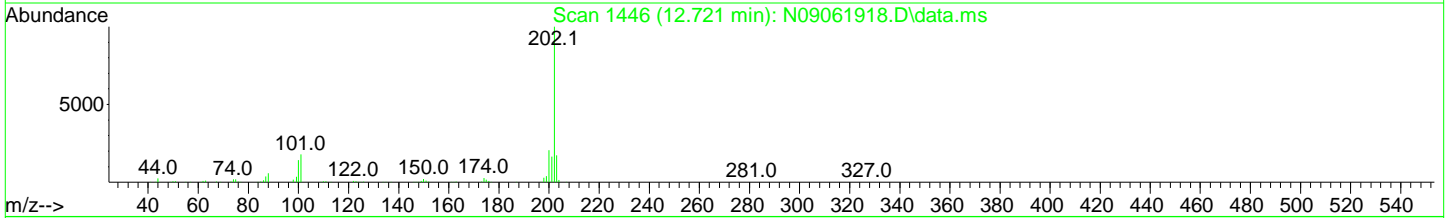
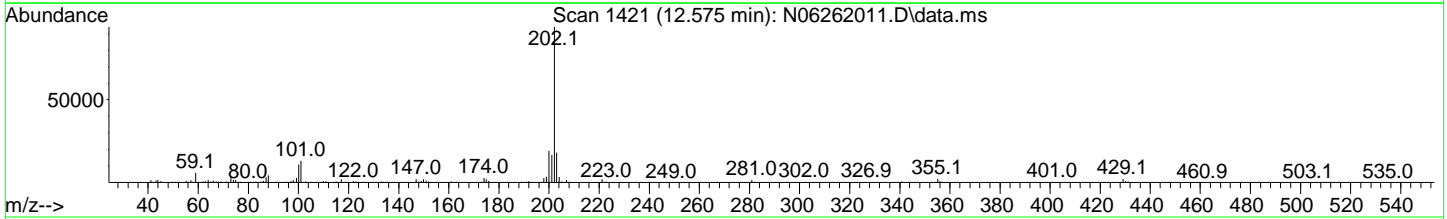
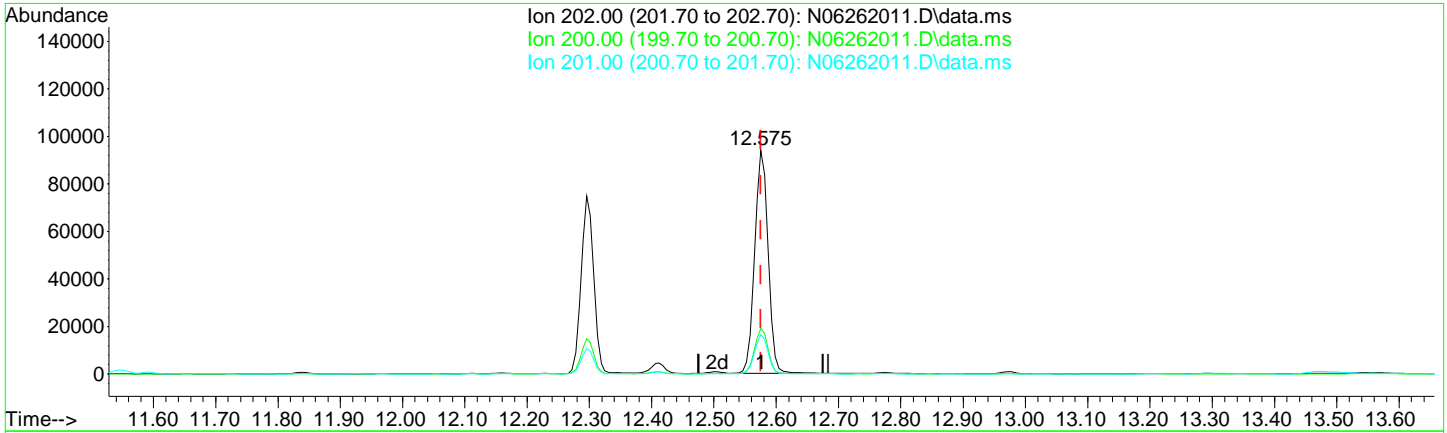
response 104728

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 19.70 | 19.81 |
| 101.00 | 15.30 | 11.65 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262011.D\data.ms

(24) Pyrene (T)

12.575min (+ 0.000) 44.45 ng/ml

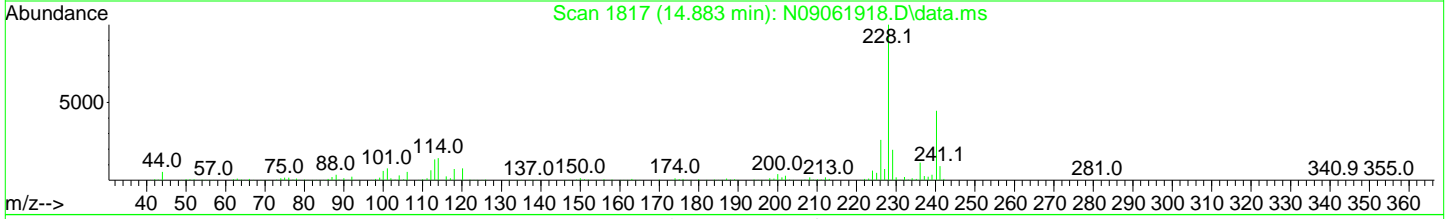
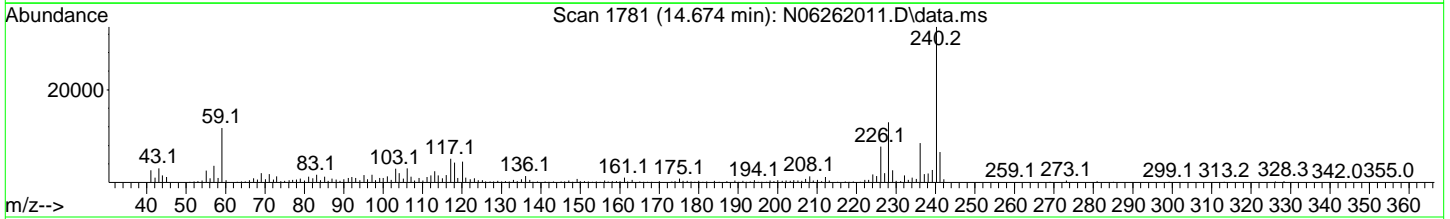
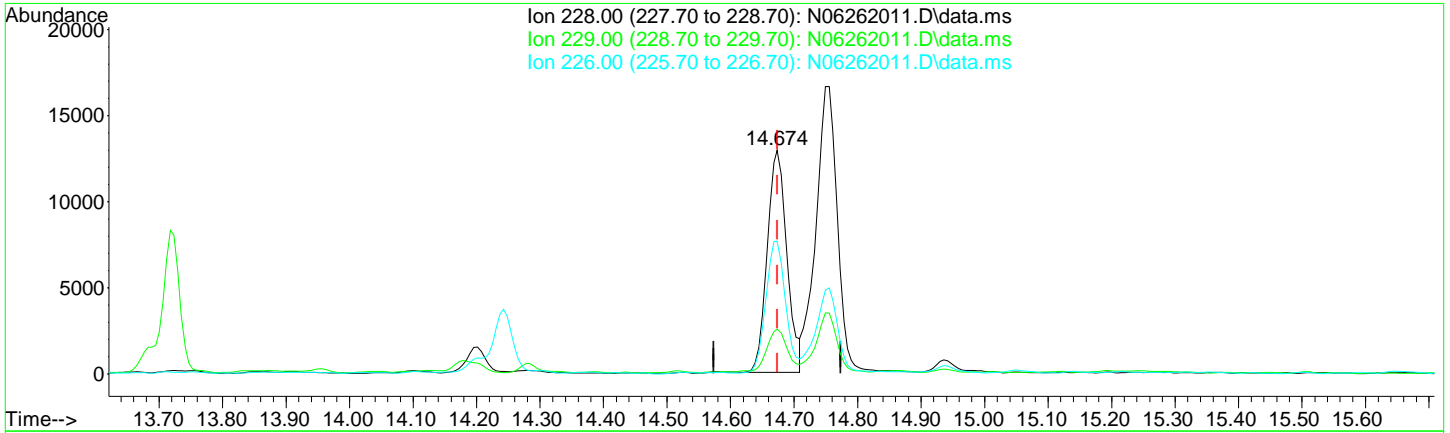
response 140637

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.33 |
| 201.00 | 16.80 | 17.58 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262011.D\data.ms

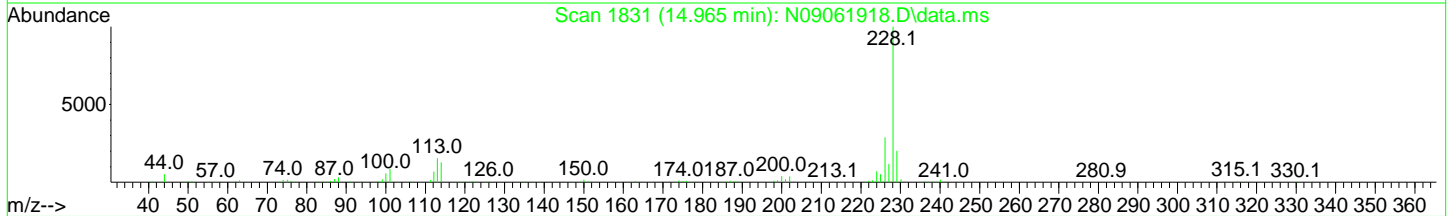
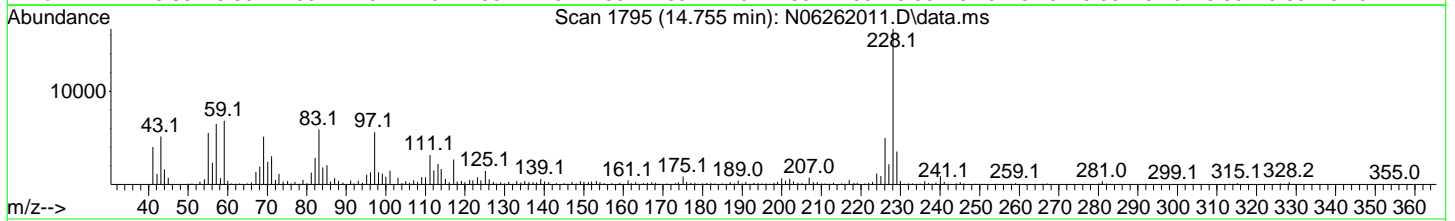
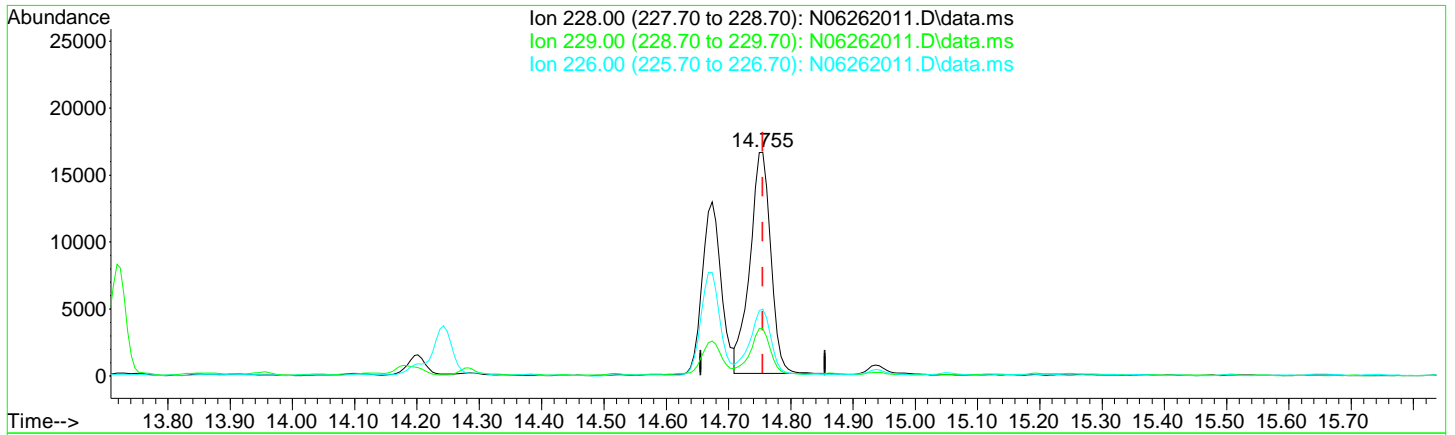
(26) Benz(a)anthracene (T)

| | | |
|---------------------|-------------|--------|
| 14.674min (+ 0.000) | 10.97 ng/ml | |
| response | 27753 | |
| Ion | Exp% | Act% |
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.40 | 20.14 |
| 226.00 | 26.20 | 59.38# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



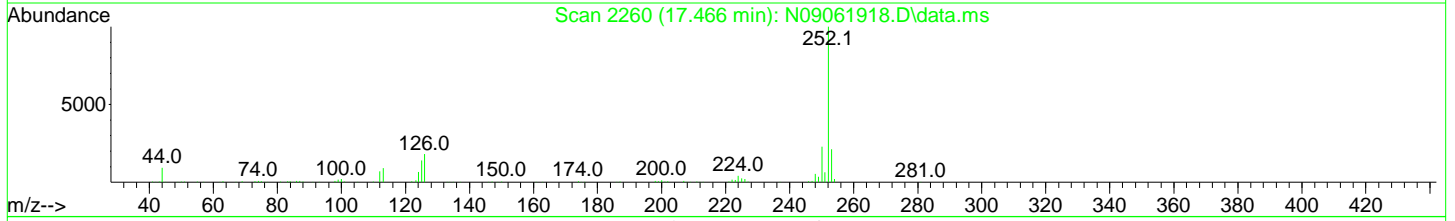
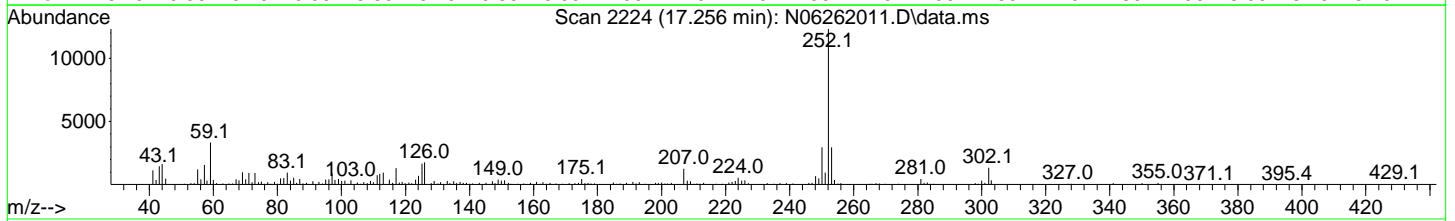
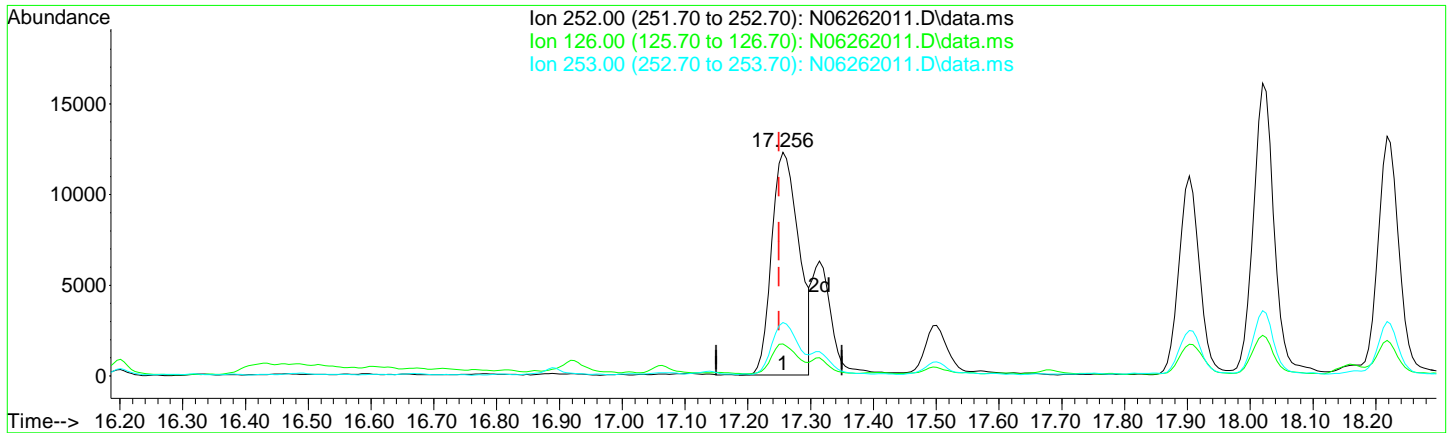
TIC: N06262011.D\data.ms

| (27) Chrysene (T) | | |
|---------------------|---------------|----------|
| Retention Time | Concentration | Response |
| 14.755min (+ 0.000) | 14.80 ng/ml | 38497 |
| Ion | Exp% | Act% |
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60 | 21.17 |
| 226.00 | 28.60 | 29.96 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262011.D\data.ms

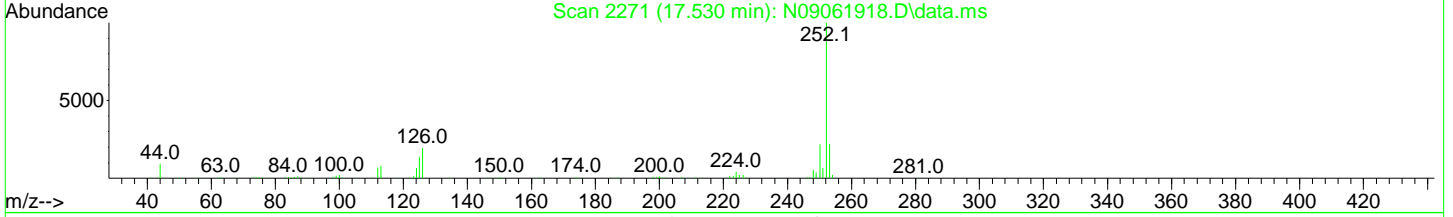
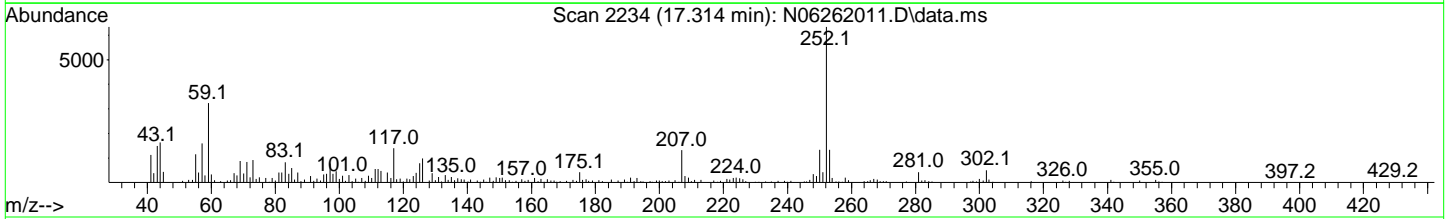
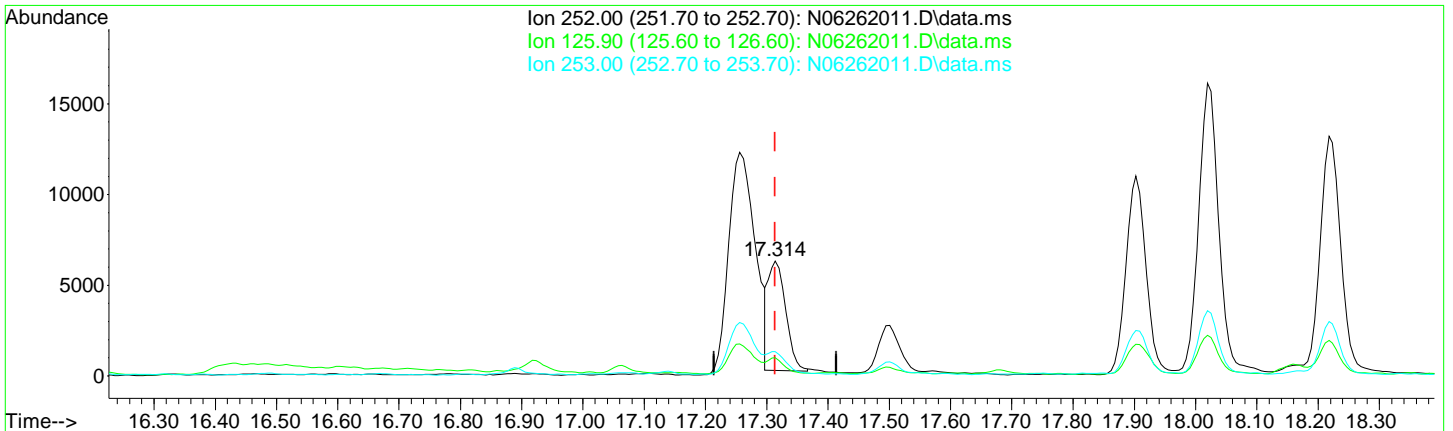
(29) Benzo(b)fluoranthene (T)

| | | |
|---------------------|--------|--------|
| 17.256min (+ 0.006) | 15.49 | ng/ml |
| response | 37073 | |
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 126.00 | 20.00 | 14.34 |
| 253.00 | 21.10 | 23.96 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



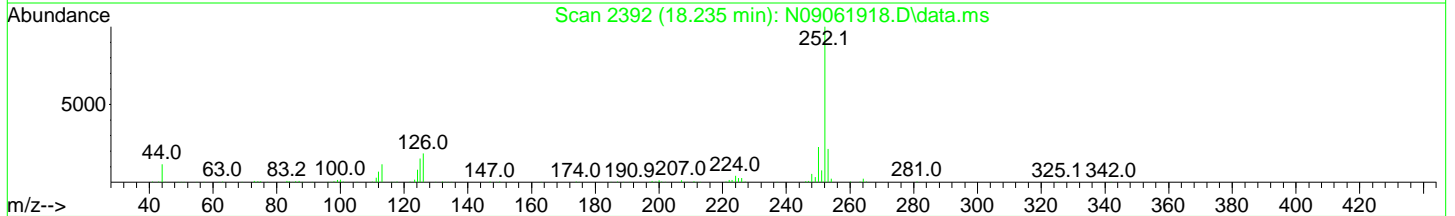
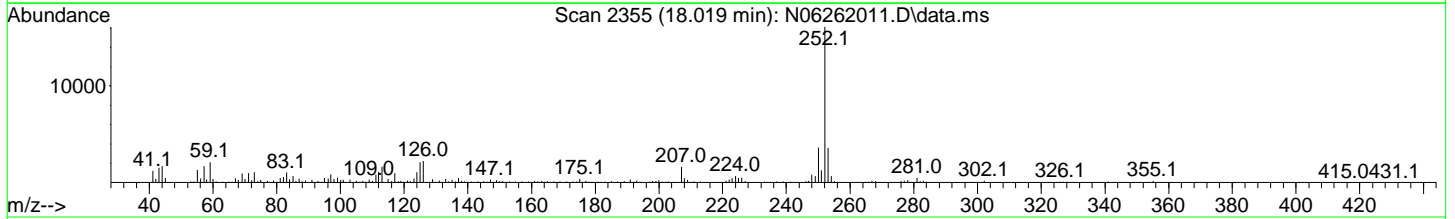
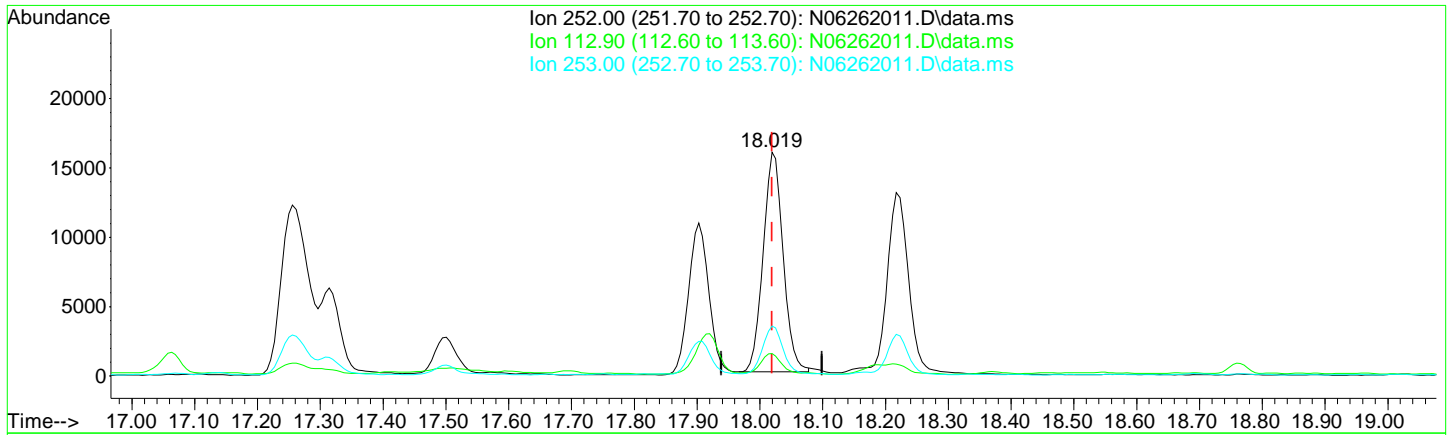
TIC: N06262011.D\data.ms

| (30) Benzo(k)fluoranthene (T) | | |
|-------------------------------|--------|---------|
| 17.314min (+ 0.000) | 4.98 | ng/ml m |
| response | 11877 | |
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 15.72 |
| 253.00 | 21.50 | 21.23 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262011.D\data.ms

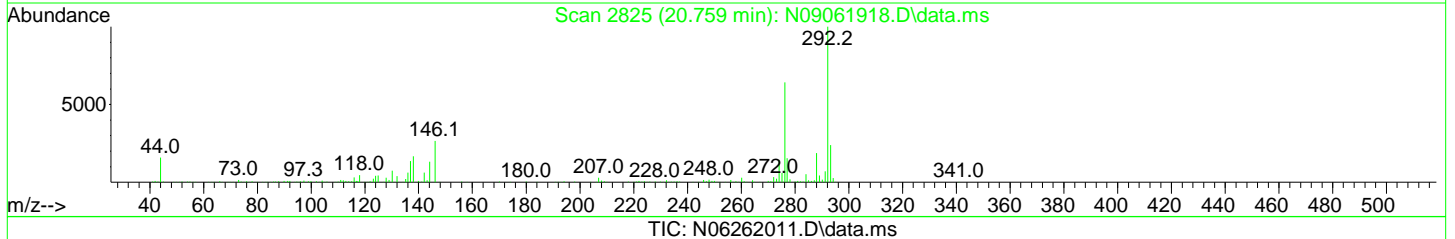
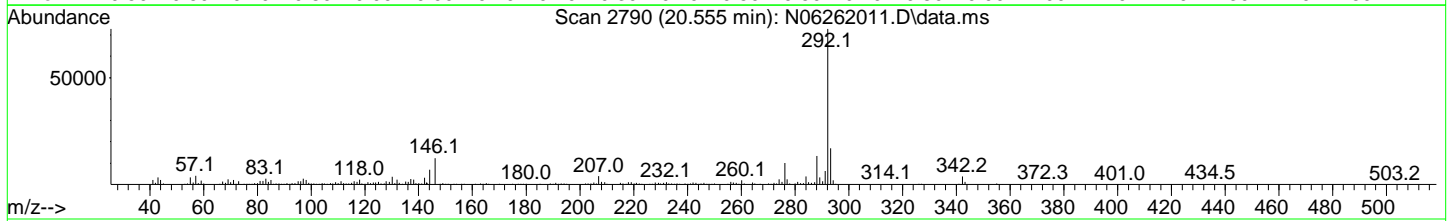
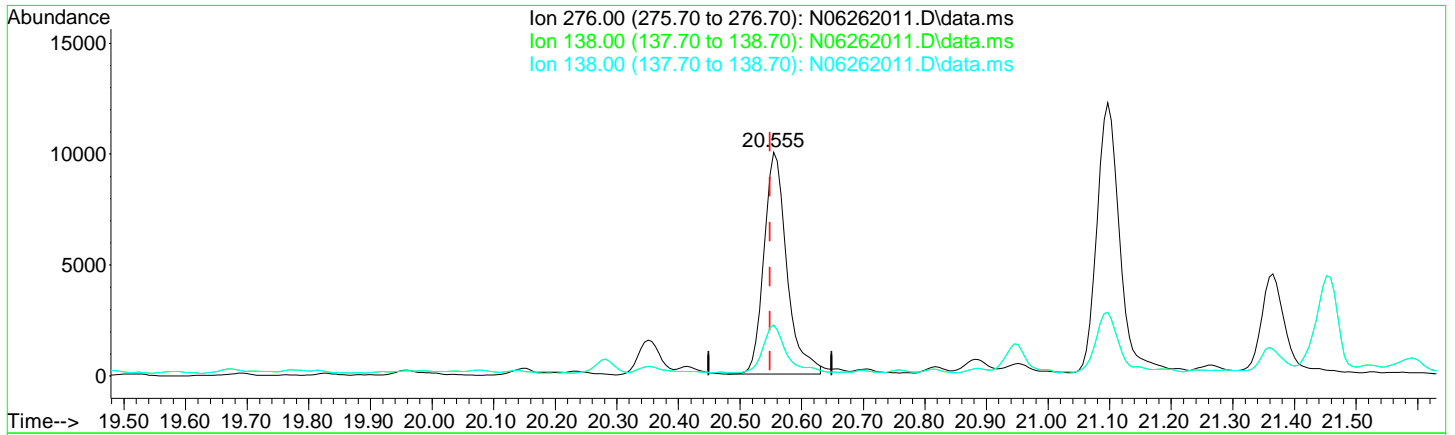
(33) Benzo(a)pyrene (T)

| | | |
|---------------------|--------|--------|
| 18.019min (+ 0.000) | 18.81 | ng/ml |
| response | 35136 | |
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 10.11 |
| 253.00 | 21.90 | 22.33 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262011.D\data.ms

(36) Indeno(1,2,3-cd)Pyrene (T)

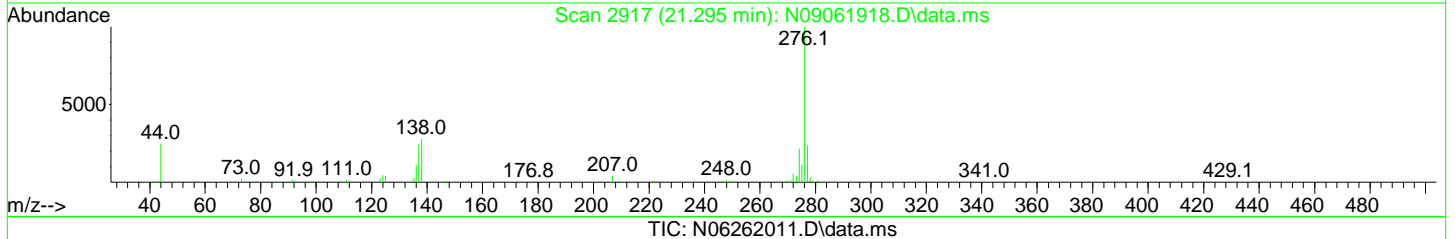
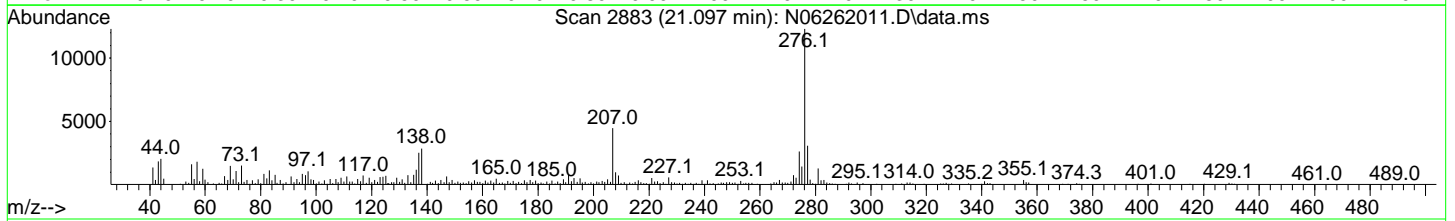
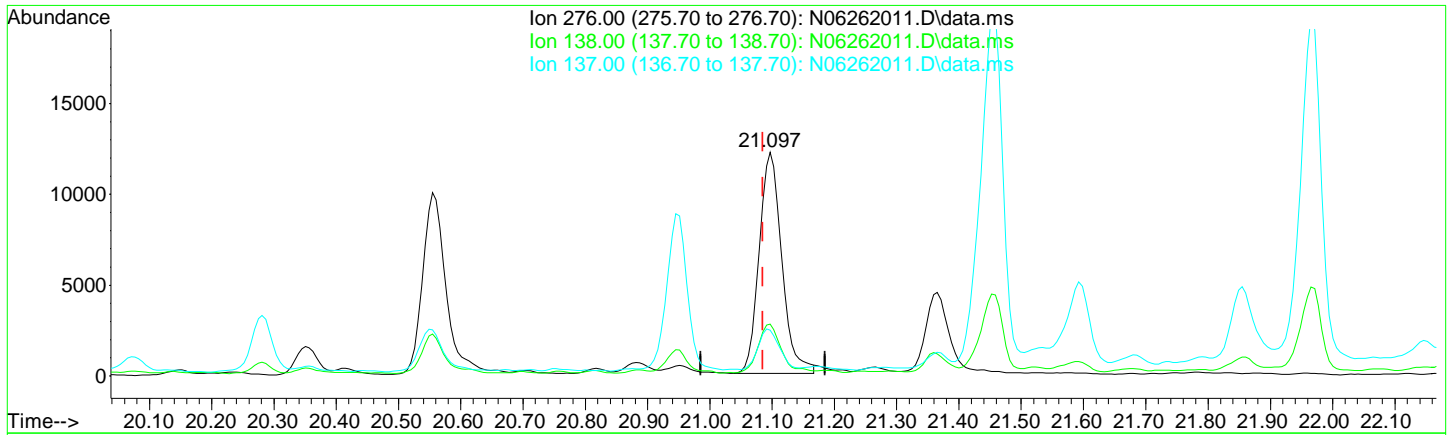
20.555min (+ 0.006) 12.10 ng/ml

| response | 25804 |
|----------|---------------|
| Ion | Exp% Act% |
| 276.00 | 100.00 100.00 |
| 138.00 | 31.60 22.88 |
| 138.00 | 31.60 22.88 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
 Data File : N06262011.D
 Acq On : 26 Jun 2020 03:01 pm
 Operator : JK/ AMS/ DTH
 Sample : A0F0647-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 09:55:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Tue Jun 09 09:45:26 2020
 Response via : Initial Calibration



TIC: N06262011.D\data.ms

(38) Benzo(g,h,i)perylene (T)

21.097min (+ 0.012) 13.49 ng/ml

| response | | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 276.00 | 100.00 | 100.00 |
| 138.00 | 34.40 | 23.31 |
| 137.00 | 28.60 | 20.52 |
| 0.00 | 0.00 | 0.00 |

**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:

MJ 4/9/20

Calibration Status Report SV-GCMS14

Method Path : N:\methods\
 Method File : SV14_040720_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Wed Apr 08 10:01:43 2020
 Response Via : Initial Calibration

QA 4/8/20

| # | ID | Conc | ISTD 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

QA 4/8/20

Calibration Files

1.0 =N04072013.D 2.0 =N04072014.D 5.0 =N04072015.D 10.0=N04072016.D 20 =N04072017.D 50.0=N04072018.D 100 =N04072019.D
 200 =N04072020.D 400 =N04072021.D 600 =N04072022.D

| Compound | 1.0 | 2.0 | 5.0 | 10.0 | 20 | 50.0 | 100 | 200 | 400 | 600 | Avg | %RSD | |
|------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------------|
| 1) I Naphthalene-d8 (ISTD) | -----ISTD----- | | | | | | | | | | | | <i>4.55</i> |
| 2) S Nitrobenzene-d... | 0.346 | 0.316 | 0.325 | 0.292 | 0.305 | 0.302 | 0.298 | 0.308 | 0.315 | 0.318 | 0.312 | 4.94 | |
| 3) T Decalin | | 0.070 | 0.093 | 0.082 | 0.076 | 0.075 | 0.077 | 0.076 | 0.080 | 0.090 | 0.080 | 9.45 | |
| 4) T Naphthalene | 1.190 | 1.149 | 1.133 | 1.103 | 1.102 | 1.060 | 1.029 | 1.048 | 1.049 | 1.028 | 1.089 | 5.06 ✓ | |
| 5) T 2-Methylnaphth... | 0.683 | 0.700 | 0.714 | 0.704 | 0.734 | 0.737 | 0.723 | 0.766 | 0.787 | 0.767 | 0.731 | 4.60 ✓ | |
| 6) T 1-Methylnaphth... | 0.722 | 0.710 | 0.703 | 0.708 | 0.747 | 0.733 | 0.709 | 0.736 | 0.763 | 0.730 | 0.726 | 2.66 ✓ | |
| 7) T 1,1'-Biphenyl | 0.998 | 0.870 | 0.856 | 0.892 | 0.948 | 0.914 | 0.881 | 0.938 | 0.983 | 0.938 | 0.922 | 5.18 | |
| 8) T 2,6-Dimethylna... | 0.608 | 0.585 | 0.572 | 0.585 | 0.650 | 0.630 | 0.628 | 0.674 | 0.711 | 0.680 | 0.632 | 7.33 | |
| 9) I Acenaphthene-d10 (...) | -----ISTD----- | | | | | | | | | | | | <i>4.91</i> |
| 10) S 2-Fluorobiphen... | 1.452 | 1.546 | 1.670 | 1.605 | 1.567 | 1.545 | 1.533 | 1.524 | 1.547 | 1.493 | 1.548 | 3.81 ✓ | |
| 11) T Acenaphthylene | 1.648 | 1.722 | 1.754 | 1.785 | 1.855 | 1.929 | 1.948 | 1.990 | 2.037 | 1.978 | 1.865 | 7.06 ✓ | |
| 12) T Acenaphthene | 1.393 | 1.401 | 1.423 | 1.399 | 1.383 | 1.372 | 1.352 | 1.336 | 1.332 | 1.287 | 1.368 | 3.00 ✓ | |
| 13) T Dibenzofuran | 1.583 | 1.612 | 1.655 | 1.699 | 1.716 | 1.650 | 1.658 | 1.658 | 1.695 | 1.630 | 1.656 | 2.46 ✓ | |
| 14) T 1,6,7-Trimethy... | 1.114 | 1.016 | 1.034 | 1.036 | 1.116 | 1.061 | 1.089 | 1.089 | 1.121 | 1.044 | 1.072 | 3.60 ✓ | |
| 15) T Fluorene | 1.408 | 1.267 | 1.261 | 1.296 | 1.346 | 1.288 | 1.300 | 1.325 | 1.367 | 1.293 | 1.315 | 3.54 ✓ | |
| 16) I Phenanthrene-d10 (...) | -----ISTD----- | | | | | | | | | | | | <i>8.64</i> |
| 17) T Dibenzothiopene | 1.081 | 0.993 | 0.995 | 1.009 | 1.031 | 1.025 | 0.977 | 1.015 | 1.005 | 0.975 | 1.011 | 3.07 | |
| 18) T Phenanthrene | 1.275 | 1.193 | 1.219 | 1.159 | 1.152 | 1.133 | 1.084 | 1.117 | 1.089 | 1.090 | 1.151 | 5.45 ✓ | |
| 19) T Anthracene | 0.967 | 0.848 | 0.879 | 0.907 | 0.973 | 0.952 | 0.969 | 0.998 | 1.017 | 0.916 | 0.943 | 5.69 ✓ | |
| 20) T Carbazole | 0.768 | 0.741 | 0.806 | 0.829 | 0.829 | 0.857 | 0.860 | 0.872 | 0.855 | 0.720 | 0.814 | 6.59 ✓ | |
| 21) T 1-Methylphenan... | 0.730 | 0.730 | 0.748 | 0.765 | 0.779 | 0.796 | 0.791 | 0.817 | 0.827 | 0.778 | 0.776 | 4.32 | |
| 22) T Fluoranthene | 1.028 | 1.052 | 1.086 | 1.117 | 1.098 | 1.145 | 1.158 | 1.224 | 1.258 | 1.178 | 1.134 | 6.43 ✓ | |
| 23) I Chrysene-d12 (ISTD) | -----ISTD----- | | | | | | | | | | | | <i>12.22</i> |
| 24) T Pyrene | 1.297 | 1.267 | 1.186 | 1.290 | 1.434 | 1.240 | 1.245 | 1.323 | 1.337 | 1.353 | 1.297 | 5.36 ✓ | |
| 25) S Terphenyl-d14 ... | 0.994 | 0.919 | 0.942 | 0.984 | 1.020 | 0.966 | 0.940 | 0.971 | 0.968 | 0.959 | 0.966 | 3.02 ✓ | |
| 26) T Benz(a)anthracene | 1.227 | 1.103 | 0.979 | 0.977 | 0.964 | 0.992 | 0.976 | 1.027 | 1.066 | 1.060 | 1.037 | 7.88 ✓ | |
| 27) T Chrysene | 1.105 | 1.160 | 1.081 | 1.041 | 1.072 | 1.057 | 1.034 | 1.048 | 1.038 | 1.029 | 1.067 | 3.81 ✓ | |
| 28) I Perylene-d12 (ISTD) | -----ISTD----- | | | | | | | | | | | | <i>16.44</i> |
| 29) T Benzo(b)fluora... | 1.035 | 0.959 | 0.949 | 0.991 | 1.000 | 0.998 | 1.018 | 1.086 | 1.138 | 1.163 | 1.034 | 7.03 ✓ | |
| 30) T Benzo(k)fluora... | 0.978 | 0.906 | 0.911 | 1.002 | 1.018 | 1.033 | 1.089 | 1.121 | 1.139 | 1.109 | 1.031 | 8.10 ✓ | |
| 31) T Benzo(b+k)fluo... | 1.007 | 1.005 | 1.020 | 1.074 | 1.091 | 1.072 | 1.103 | 1.146 | 1.179 | 1.172 | 1.087 | 5.96 ✓ | |
| 32) T Benzo(e)pyrene | 0.955 | 1.069 | 1.006 | 1.054 | 1.096 | 1.047 | 1.075 | 1.136 | 1.176 | 1.196 | 1.081 | 6.84 ✓ | |
| 33) T Benzo(a)pyrene | 0.612 | 0.636 | 0.660 | 0.751 | 0.778 | 0.880 | 0.916 | 0.974 | 1.000 | 0.975 | 0.818 | 18.31 ✓ | |
| 34) T Perylene | | 0.838 | 0.972 | 1.086 | 1.118 | 1.204 | 1.181 | 1.201 | 1.219 | 1.198 | 1.113 | 11.68 ✓ | |
| 35) I Dibenz(a,h)Anthrce... | -----ISTD----- | | | | | | | | | | | | <i>13.68</i> |
| 36) T Indeno(1,2,3-c... | 1.028 | 1.006 | 1.030 | 1.054 | 1.084 | 1.071 | 1.071 | 1.124 | 1.168 | 1.228 | 1.086 | 6.33 ✓ | |

Method Path : N:\methods\
Method File : SV14_040720_PAH.M

Title : EPA 8270D: Semivolatile Organics

| | | | | | | | | | | | | | |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 37) T | Dibenz(a,h)ant... | 1.031 | 0.977 | 1.093 | 1.047 | 1.084 | 1.094 | 1.097 | 1.128 | 1.200 | 1.202 | 1.095 | 6.40 ✓ |
| 38) T | Benzo(g,h,i)pe... | 0.965 | 0.968 | 1.052 | 1.081 | 1.166 | 1.189 | 1.224 | 1.272 | 1.334 | 1.402 | 1.165 | 12.77 ✓ |

(#) = Out of Range

Compound List Report SV-GCMS14

Method Path : N:\methods\
 Method File : SV14_040720_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Wed Apr 08 10:01:43 2020
 Response Via : Initial Calibration

QA 4/8/20

Total Cpnds : 38

| PK# | Compound Name | QIon | Exp_RT | Rel_RT | Cal | #Qual | A/H | ID |
|-----|------------------------------------|------|--------|--------|-----|-------|-----|----|
| 1 | I Naphthalene-d8 (ISTD) | 136 | 7.906 | 1.000 | A | 2 | A | B |
| 2 | S Nitrobenzene-d5 (Surr) | 82 | 7.207 | 0.912 | A | 1 | A | R |
| 3 | T Decalin | 138 | 7.381 | 0.934 | A | 2 | A | B |
| 4 | T Naphthalene | 128 | 7.924 | 1.002 | A | 2 | A | R |
| 5 | T 2-Methylnaphthalene | 142 | 8.612 | 1.089 | A | 2 | A | R |
| 6 | T 1-Methylnaphthalene | 142 | 8.711 | 1.102 | A | 2 | A | R |
| 7 | T 1,1'-Biphenyl | 154 | 9.078 | 1.148 | A | 2 | A | B |
| 8 | T 2,6-Dimethylnaphthalene | 156 | 9.235 | 1.168 | A | 2 | A | R |
| 9 | I Acenaphthene-d10 (ISTD) | 162 | 9.661 | 1.000 | A | 2 | A | R |
| 10 | S 2-Fluorobiphenyl (Surr) | 172 | 8.973 | 0.929 | A | 2 | A | R |
| 11 | T Acenaphthylene | 152 | 9.515 | 0.985 | A | 2 | A | R |
| 12 | T Acenaphthene | 153 | 9.696 | 1.004 | A | 2 | A | R |
| 13 | T Dibenzofuran | 168 | 9.865 | 1.021 | A | 2 | A | R |
| 14 | T 1,6,7-Trimethylnaphthalene | 170 | 10.080 | 1.043 | A | 2 | A | R |
| 15 | T Fluorene | 166 | 10.215 | 1.057 | A | 2 | A | R |
| 16 | I Phenanthrene-d10 (ISTD) | 188 | 11.165 | 1.000 | A | 2 | A | R |
| 17 | T Dibenzothiopene | 184 | 11.066 | 0.991 | A | 3 | A | R |
| 18 | T Phenanthrene | 178 | 11.188 | 1.002 | A | 2 | A | R |
| 19 | T Anthracene | 178 | 11.240 | 1.007 | A | 2 | A | R |
| 20 | T Carbazole | 167 | 11.398 | 1.021 | A | 2 | A | R |
| 21 | T 1-Methylphenanthrene | 192 | 11.817 | 1.058 | A | 2 | A | R |
| 22 | T Fluoranthene | 202 | 12.459 | 1.116 | A | 2 | A | R |
| 23 | I Chrysene-d12 (ISTD) | 240 | 14.947 | 1.000 | A | 2 | A | R |
| 24 | T Pyrene | 202 | 12.750 | 0.853 | A | 2 | A | R |
| 25 | S Terphenyl-d14 (Surr) | 244 | 12.960 | 0.867 | A | 2 | A | R |
| 26 | T Benz(a)anthracene | 228 | 14.924 | 0.998 | A | 2 | A | R |
| 27 | T Chrysene | 228 | 15.006 | 1.004 | A | 2 | A | R |
| 28 | I Perylene-d12 (ISTD) | 264 | 18.410 | 1.000 | A | 2 | A | R |
| 29 | T Benzo(b)fluoranthene | 252 | 17.506 | 0.951 | A | 2 | A | R |
| 30 | T Benzo(k)fluoranthene | 252 | 17.570 | 0.954 | A | 2 | A | R |
| 31 | T Benzo(b+k)fluoranthene | 252 | 17.570 | 0.954 | A | 2 | A | R |
| 32 | T Benzo(e)pyrene | 252 | 18.153 | 0.986 | A | 2 | A | R |
| 33 | T Benzo(a)pyrene | 252 | 18.270 | 0.992 | Q 2 | 2 | A | R |
| 34 | T Perylene | 252 | 18.473 | 1.003 | A | 2 | A | R |
| 35 | I Dibenz(a,h)Anthracene-d14 (ISTD) | 292 | 20.794 | 1.000 | A | 2 | A | R |
| 36 | T Indeno(1,2,3-cd)Pyrene | 276 | 20.794 | 1.000 | A | 2 | A | R |
| 37 | T Dibenz(a,h)anthracene | 278 | 20.857 | 1.003 | A | 2 | A | R |
| 38 | T Benzo(g,h,i)perylene | 276 | 21.324 | 1.026 | A | 2 | A | R |

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

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

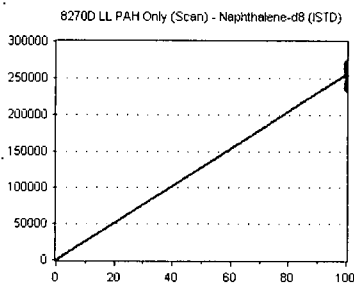
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Naphthalene-d8 (ISTD)

Curve Fit: **AVERAGE RF**

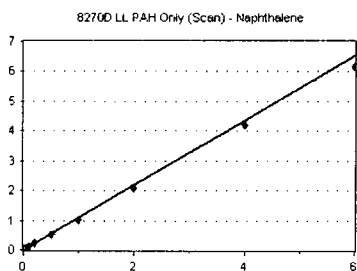


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0D07056-CAL1 | 100 | 243074 | 2430.740 | 7.91 |
| 0D07056-CAL2 | 100 | 243705 | 2437.050 | 7.91 |
| 0D07056-CAL3 | 100 | 254846 | 2548.460 | 7.91 |
| 0D07056-CAL4 | 100 | 270985 | 2709.850 | 7.91 |
| 0D07056-CAL5 | 100 | 258751 | 2587.510 | 7.91 |
| 0D07056-CAL6 | 100 | 265079 | 2650.790 | 7.91 |
| 0D07056-CAL7 | 100 | 270936 | 2709.360 | 7.91 |
| 0D07056-CAL8 | 100 | 259002 | 2590.020 | 7.91 |
| 0D07056-CAL9 | 100 | 255231 | 2552.310 | 7.91 |
| 0D07056-CALA | 100 | 237171 | 2371.710 | 7.91 |

AVE RF 2558.780 RF RSD 4.55 AVE RT 7.91

Naphthalene

Curve Fit: **AVERAGE RF**

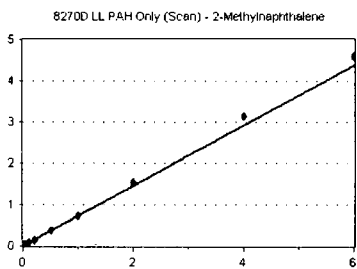


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0D07056-CAL1 | 1 | 2892 | 1.190 | 7.93 |
| 0D07056-CAL2 | 2 | 5600 | 1.149 | 7.92 |
| 0D07056-CAL3 | 5 | 14431 | 1.133 | 7.92 |
| 0D07056-CAL4 | 10 | 29903 | 1.103 | 7.92 |
| 0D07056-CAL5 | 20 | 57019 | 1.102 | 7.92 |
| 0D07056-CAL6 | 50 | 140541 | 1.060 | 7.92 |
| 0D07056-CAL7 | 100 | 278907 | 1.029 | 7.92 |
| 0D07056-CAL8 | 200 | 543013 | 1.048 | 7.92 |
| 0D07056-CAL9 | 400 | 1070767 | 1.049 | 7.92 |
| 0D07056-CALA | 600 | 1463412 | 1.028 | 7.92 |

AVE RF 1.089 RF RSD 5.06 AVE RT 7.92

2-Methylnaphthalene

Curve Fit: **AVERAGE RF**

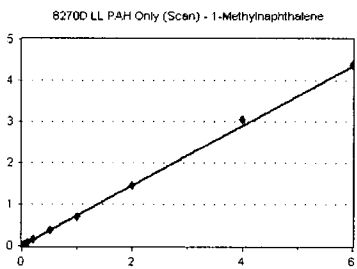


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0D07056-CAL1 | 1 | 1659 | 0.683 | 8.61 |
| 0D07056-CAL2 | 2 | 3410 | 0.700 | 8.61 |
| 0D07056-CAL3 | 5 | 9092 | 0.714 | 8.61 |
| 0D07056-CAL4 | 10 | 19067 | 0.704 | 8.61 |
| 0D07056-CAL5 | 20 | 37992 | 0.734 | 8.61 |
| 0D07056-CAL6 | 50 | 97673 | 0.737 | 8.61 |
| 0D07056-CAL7 | 100 | 195774 | 0.723 | 8.61 |
| 0D07056-CAL8 | 200 | 396823 | 0.766 | 8.61 |
| 0D07056-CAL9 | 400 | 803600 | 0.787 | 8.61 |
| 0D07056-CALA | 600 | 1091692 | 0.767 | 8.61 |

AVE RF 0.731 RF RSD 4.60 AVE RT 8.61

1-Methylnaphthalene

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0D07056-CAL1 | 1 | 1756 | 0.722 | 8.71 |
| 0D07056-CAL2 | 2 | 3462 | 0.710 | 8.71 |
| 0D07056-CAL3 | 5 | 8964 | 0.703 | 8.71 |
| 0D07056-CAL4 | 10 | 19186 | 0.708 | 8.71 |
| 0D07056-CAL5 | 20 | 38641 | 0.747 | 8.71 |
| 0D07056-CAL6 | 50 | 97197 | 0.733 | 8.71 |
| 0D07056-CAL7 | 100 | 191985 | 0.709 | 8.71 |
| 0D07056-CAL8 | 200 | 381343 | 0.736 | 8.71 |
| 0D07056-CAL9 | 400 | 778825 | 0.763 | 8.71 |
| 0D07056-CALA | 600 | 1038153 | 0.730 | 8.71 |

AVE RF 0.726 RF RSD 2.66 AVE RT 8.71

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

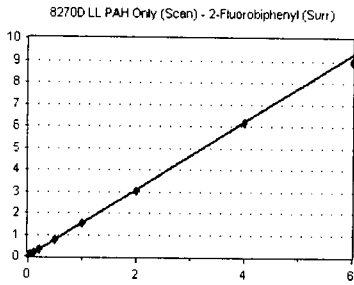
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

2-Fluorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**

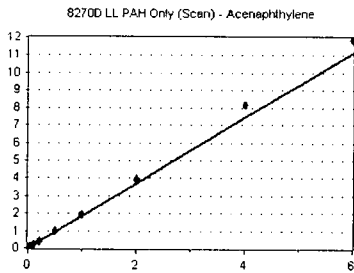


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 1 | 2174 | 1.452 | 8.97 |
| OD07056-CAL2 | 2 | 4191 | 1.546 | 8.97 |
| OD07056-CAL3 | 5 | 10979 | 1.670 | 8.97 |
| OD07056-CAL4 | 10 | 22576 | 1.605 | 8.97 |
| OD07056-CAL5 | 20 | 46527 | 1.567 | 8.97 |
| OD07056-CAL6 | 50 | 113161 | 1.545 | 8.97 |
| OD07056-CAL7 | 100 | 225961 | 1.533 | 8.97 |
| OD07056-CAL8 | 200 | 456518 | 1.524 | 8.97 |
| OD07056-CAL9 | 400 | 957543 | 1.547 | 8.97 |
| OD07056-CALA | 600 | 1276915 | 1.493 | 8.97 |

AVE RF 1.548 RF RSD 3.81 AVE RT 8.97

Acenaphthylene

Curve Fit: **AVERAGE RF**

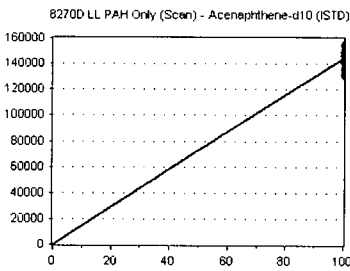


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 1 | 2466 | 1.648 | 9.52 |
| OD07056-CAL2 | 2 | 4668 | 1.722 | 9.52 |
| OD07056-CAL3 | 5 | 11532 | 1.754 | 9.52 |
| OD07056-CAL4 | 10 | 25120 | 1.785 | 9.52 |
| OD07056-CAL5 | 20 | 55074 | 1.855 | 9.52 |
| OD07056-CAL6 | 50 | 141318 | 1.929 | 9.52 |
| OD07056-CAL7 | 100 | 287167 | 1.948 | 9.52 |
| OD07056-CAL8 | 200 | 596158 | 1.990 | 9.52 |
| OD07056-CAL9 | 400 | 1260795 | 2.037 | 9.52 |
| OD07056-CALA | 600 | 1692015 | 1.978 | 9.52 |

AVE RF 1.865 RF RSD 7.06 AVE RT 9.52

Acenaphthene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

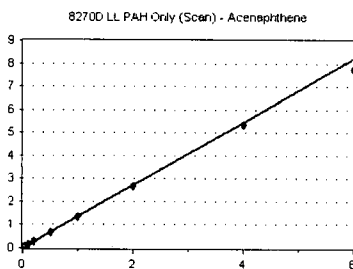


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 100 | 149679 | 1496.790 | 9.66 |
| OD07056-CAL2 | 100 | 135566 | 1355.660 | 9.66 |
| OD07056-CAL3 | 100 | 131499 | 1314.990 | 9.66 |
| OD07056-CAL4 | 100 | 140702 | 1407.020 | 9.66 |
| OD07056-CAL5 | 100 | 148424 | 1484.240 | 9.66 |
| OD07056-CAL6 | 100 | 146492 | 1464.920 | 9.66 |
| OD07056-CAL7 | 100 | 147420 | 1474.200 | 9.66 |
| OD07056-CAL8 | 100 | 149753 | 1497.530 | 9.66 |
| OD07056-CAL9 | 100 | 154741 | 1547.410 | 9.66 |
| OD07056-CALA | 100 | 142544 | 1425.440 | 9.66 |

AVE RF 1446.820 RF RSD 4.91 AVE RT 9.66

Acenaphthene

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 1 | 2085 | 1.393 | 9.70 |
| OD07056-CAL2 | 2 | 3799 | 1.401 | 9.70 |
| OD07056-CAL3 | 5 | 9358 | 1.423 | 9.70 |
| OD07056-CAL4 | 10 | 19684 | 1.399 | 9.70 |
| OD07056-CAL5 | 20 | 41060 | 1.383 | 9.70 |
| OD07056-CAL6 | 50 | 100491 | 1.372 | 9.70 |
| OD07056-CAL7 | 100 | 199310 | 1.352 | 9.70 |
| OD07056-CAL8 | 200 | 400273 | 1.336 | 9.70 |
| OD07056-CAL9 | 400 | 824563 | 1.332 | 9.70 |
| OD07056-CALA | 600 | 1100304 | 1.287 | 9.70 |

AVE RF 1.368 RF RSD 3.00 AVE RT 9.70

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

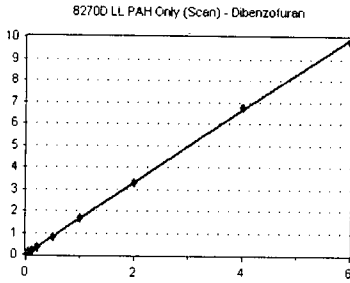
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Dibenzofuran

Curve Fit: **AVERAGE RF**

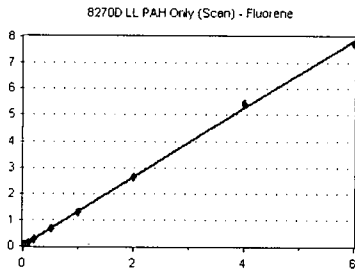


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 1 | 2370 | 1.583 | 9.87 |
| OD07056-CAL2 | 2 | 4370 | 1.612 | 9.87 |
| OD07056-CAL3 | 5 | 10882 | 1.655 | 9.87 |
| OD07056-CAL4 | 10 | 23912 | 1.699 | 9.87 |
| OD07056-CAL5 | 20 | 50939 | 1.716 | 9.87 |
| OD07056-CAL6 | 50 | 120846 | 1.650 | 9.87 |
| OD07056-CAL7 | 100 | 244430 | 1.658 | 9.87 |
| OD07056-CAL8 | 200 | 496566 | 1.658 | 9.87 |
| OD07056-CAL9 | 400 | 1049059 | 1.695 | 9.87 |
| OD07056-CALA | 600 | 1394000 | 1.630 | 9.87 |

AVE RF 1.656 RF RSD 2.46 AVE RT 9.87

Fluorene

Curve Fit: **AVERAGE RF**

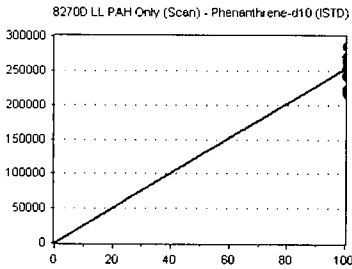


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2108 | 1.408 | 10.22 |
| OD07056-CAL2 | 2 | 3434 | 1.267 | 10.22 |
| OD07056-CAL3 | 5 | 8294 | 1.261 | 10.22 |
| OD07056-CAL4 | 10 | 18241 | 1.296 | 10.22 |
| OD07056-CAL5 | 20 | 39965 | 1.346 | 10.22 |
| OD07056-CAL6 | 50 | 94350 | 1.288 | 10.22 |
| OD07056-CAL7 | 100 | 191718 | 1.300 | 10.22 |
| OD07056-CAL8 | 200 | 396773 | 1.325 | 10.21 |
| OD07056-CAL9 | 400 | 846234 | 1.367 | 10.22 |
| OD07056-CALA | 600 | 1105549 | 1.293 | 10.22 |

AVE RF 1.315 RF RSD 3.54 AVE RT 10.22

Phenanthrene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

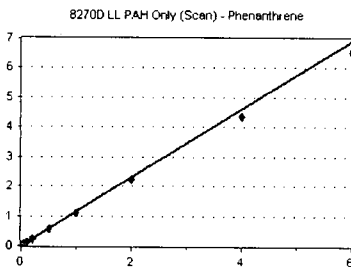


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100 | 271576 | 2715.760 | 11.17 |
| OD07056-CAL2 | 100 | 223200 | 2232.000 | 11.17 |
| OD07056-CAL3 | 100 | 216520 | 2165.200 | 11.17 |
| OD07056-CAL4 | 100 | 243789 | 2437.890 | 11.17 |
| OD07056-CAL5 | 100 | 266029 | 2660.290 | 11.17 |
| OD07056-CAL6 | 100 | 242013 | 2420.130 | 11.17 |
| OD07056-CAL7 | 100 | 265984 | 2659.840 | 11.17 |
| OD07056-CAL8 | 100 | 262815 | 2628.150 | 11.17 |
| OD07056-CAL9 | 100 | 286145 | 2861.450 | 11.17 |
| OD07056-CALA | 100 | 254222 | 2542.220 | 11.17 |

AVE RF 2532.293 RF RSD 8.64 AVE RT 11.17

Phenanthrene

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 3463 | 1.275 | 11.19 |
| OD07056-CAL2 | 2 | 5324 | 1.193 | 11.19 |
| OD07056-CAL3 | 5 | 13195 | 1.219 | 11.19 |
| OD07056-CAL4 | 10 | 28266 | 1.159 | 11.19 |
| OD07056-CAL5 | 20 | 61279 | 1.152 | 11.19 |
| OD07056-CAL6 | 50 | 137147 | 1.133 | 11.19 |
| OD07056-CAL7 | 100 | 288254 | 1.084 | 11.19 |
| OD07056-CAL8 | 200 | 586910 | 1.117 | 11.19 |
| OD07056-CAL9 | 400 | 1246717 | 1.089 | 11.19 |
| OD07056-CALA | 600 | 1662195 | 1.090 | 11.19 |

AVE RF 1.151 RF RSD 5.45 AVE RT 11.19

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

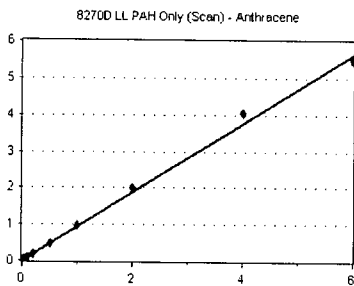
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Anthracene

Curve Fit: **AVERAGE RF**

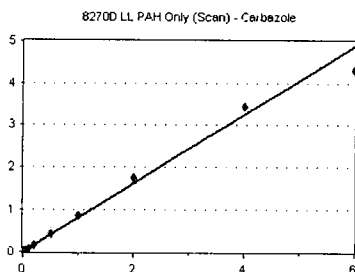


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2627 | 0.967 | 11.24 |
| OD07056-CAL2 | 2 | 3785 | 0.848 | 11.24 |
| OD07056-CAL3 | 5 | 9521 | 0.879 | 11.24 |
| OD07056-CAL4 | 10 | 22111 | 0.907 | 11.25 |
| OD07056-CAL5 | 20 | 51771 | 0.973 | 11.24 |
| OD07056-CAL6 | 50 | 115187 | 0.952 | 11.24 |
| OD07056-CAL7 | 100 | 257805 | 0.969 | 11.24 |
| OD07056-CAL8 | 200 | 524623 | 0.998 | 11.24 |
| OD07056-CAL9 | 400 | 1164250 | 1.017 | 11.25 |
| OD07056-CALA | 600 | 1396742 | 0.916 | 11.25 |

AVE RF 0.943 RF RSD 5.69 AVE RT 11.24

Carbazole

Curve Fit: **AVERAGE RF**

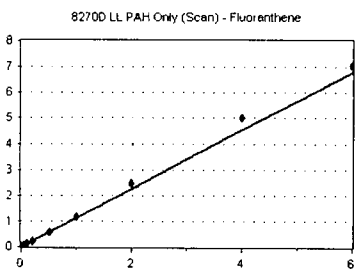


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2085 | 0.768 | 11.40 |
| OD07056-CAL2 | 2 | 3308 | 0.741 | 11.40 |
| OD07056-CAL3 | 5 | 8731 | 0.806 | 11.40 |
| OD07056-CAL4 | 10 | 20204 | 0.829 | 11.40 |
| OD07056-CAL5 | 20 | 44104 | 0.829 | 11.40 |
| OD07056-CAL6 | 50 | 103743 | 0.857 | 11.40 |
| OD07056-CAL7 | 100 | 228806 | 0.860 | 11.40 |
| OD07056-CAL8 | 200 | 458445 | 0.872 | 11.40 |
| OD07056-CAL9 | 400 | 979119 | 0.855 | 11.40 |
| OD07056-CALA | 600 | 1098601 | 0.720 | 11.40 |

AVE RF 0.814 RF RSD 6.59 AVE RT 11.40

Fluoranthene

Curve Fit: **AVERAGE RF**

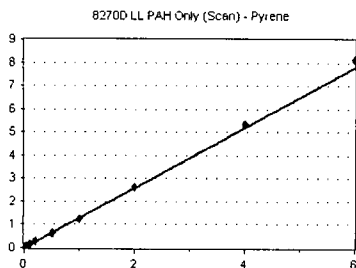


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2793 | 1.028 | 12.46 |
| OD07056-CAL2 | 2 | 4694 | 1.052 | 12.46 |
| OD07056-CAL3 | 5 | 11760 | 1.086 | 12.46 |
| OD07056-CAL4 | 10 | 27227 | 1.117 | 12.46 |
| OD07056-CAL5 | 20 | 58425 | 1.098 | 12.46 |
| OD07056-CAL6 | 50 | 138576 | 1.145 | 12.46 |
| OD07056-CAL7 | 100 | 308063 | 1.158 | 12.46 |
| OD07056-CAL8 | 200 | 643616 | 1.224 | 12.46 |
| OD07056-CAL9 | 400 | 1439355 | 1.258 | 12.46 |
| OD07056-CALA | 600 | 1796405 | 1.178 | 12.47 |

AVE RF 1.134 RF RSD 6.43 AVE RT 12.46

Pyrene

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2915 | 1.297 | 12.75 |
| OD07056-CAL2 | 2 | 4749 | 1.267 | 12.75 |
| OD07056-CAL3 | 5 | 12228 | 1.186 | 12.75 |
| OD07056-CAL4 | 10 | 28915 | 1.290 | 12.75 |
| OD07056-CAL5 | 20 | 61609 | 1.434 | 12.75 |
| OD07056-CAL6 | 50 | 148125 | 1.240 | 12.75 |
| OD07056-CAL7 | 100 | 328255 | 1.245 | 12.75 |
| OD07056-CAL8 | 200 | 678143 | 1.323 | 12.75 |
| OD07056-CAL9 | 400 | 1513534 | 1.337 | 12.76 |
| OD07056-CALA | 600 | 1875198 | 1.353 | 12.76 |

AVE RF 1.297 RF RSD 5.36 AVE RT 12.75

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

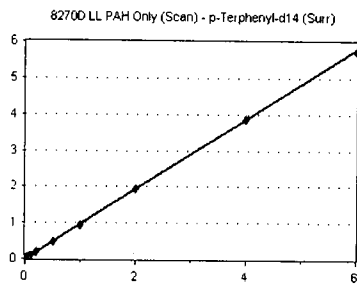
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

p-Terphenyl-d14 (Surr)

Curve Fit: **AVERAGE RF**

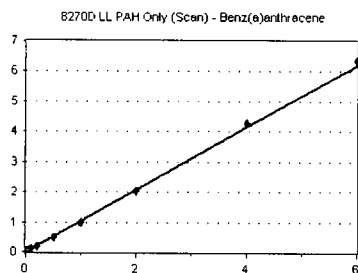


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2235 | 0.994 | 12.95 |
| OD07056-CAL2 | 2 | 3444 | 0.919 | 12.95 |
| OD07056-CAL3 | 5 | 9709 | 0.942 | 12.95 |
| OD07056-CAL4 | 10 | 22061 | 0.984 | 12.96 |
| OD07056-CAL5 | 20 | 43811 | 1.020 | 12.96 |
| OD07056-CAL6 | 50 | 115369 | 0.966 | 12.96 |
| OD07056-CAL7 | 100 | 247933 | 0.940 | 12.95 |
| OD07056-CAL8 | 200 | 497857 | 0.971 | 12.96 |
| OD07056-CAL9 | 400 | 1096177 | 0.968 | 12.96 |
| OD07056-CALA | 600 | 1328709 | 0.959 | 12.96 |

AVE RF 0.966 RF RSD 3.02 AVE RT 12.96

Benz(a)anthracene

Curve Fit: **AVERAGE RF**

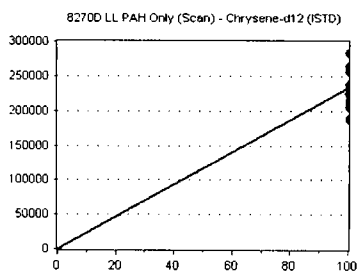


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2758 | 1.227 | 14.92 |
| OD07056-CAL2 | 2 | 4134 | 1.103 | 14.92 |
| OD07056-CAL3 | 5 | 10093 | 0.979 | 14.92 |
| OD07056-CAL4 | 10 | 21888 | 0.977 | 14.93 |
| OD07056-CAL5 | 20 | 41414 | 0.964 | 14.92 |
| OD07056-CAL6 | 50 | 118477 | 0.992 | 14.92 |
| OD07056-CAL7 | 100 | 257406 | 0.976 | 14.92 |
| OD07056-CAL8 | 200 | 526616 | 1.027 | 14.93 |
| OD07056-CAL9 | 400 | 1207333 | 1.066 | 14.94 |
| OD07056-CALA | 600 | 1469312 | 1.060 | 14.94 |

AVE RF 1.037 RF RSD 7.88 AVE RT 14.93

Chrysene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

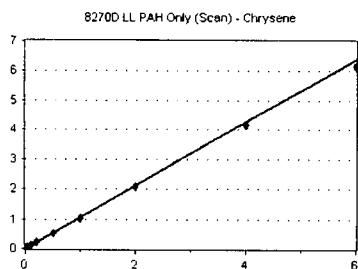


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100 | 224745 | 2247.450 | 14.95 |
| OD07056-CAL2 | 100 | 187464 | 1874.640 | 14.94 |
| OD07056-CAL3 | 100 | 206205 | 2062.050 | 14.95 |
| OD07056-CAL4 | 100 | 224123 | 2241.230 | 14.95 |
| OD07056-CAL5 | 100 | 214808 | 2148.080 | 14.95 |
| OD07056-CAL6 | 100 | 238949 | 2389.490 | 14.95 |
| OD07056-CAL7 | 100 | 263757 | 2637.570 | 14.95 |
| OD07056-CAL8 | 100 | 256376 | 2563.760 | 14.95 |
| OD07056-CAL9 | 100 | 283021 | 2830.210 | 14.95 |
| OD07056-CALA | 100 | 231029 | 2310.290 | 14.95 |

AVE RF 2330.477 RF RSD 12.22 AVE RT 14.95

Chrysene

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2483 | 1.105 | 15.01 |
| OD07056-CAL2 | 2 | 4350 | 1.160 | 15.00 |
| OD07056-CAL3 | 5 | 11149 | 1.081 | 15.01 |
| OD07056-CAL4 | 10 | 23333 | 1.041 | 15.01 |
| OD07056-CAL5 | 20 | 46060 | 1.072 | 15.01 |
| OD07056-CAL6 | 50 | 126277 | 1.057 | 15.01 |
| OD07056-CAL7 | 100 | 272605 | 1.034 | 15.01 |
| OD07056-CAL8 | 200 | 537553 | 1.048 | 15.01 |
| OD07056-CAL9 | 400 | 1174861 | 1.038 | 15.02 |
| OD07056-CALA | 600 | 1426972 | 1.029 | 15.02 |

AVE RF 1.067 RF RSD 3.81 AVE RT 15.01

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

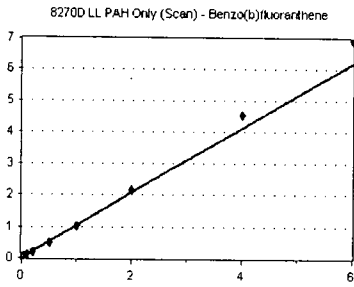
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Benzo(b)fluoranthene

Curve Fit: **AVERAGE RF**

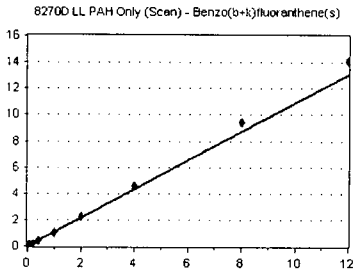


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 1958 | 1.035 | 17.50 |
| OD07056-CAL2 | 2 | 3031 | 0.959 | 17.50 |
| OD07056-CAL3 | 5 | 8620 | 0.949 | 17.50 |
| OD07056-CAL4 | 10 | 20389 | 0.991 | 17.51 |
| OD07056-CAL5 | 20 | 37506 | 1.000 | 17.51 |
| OD07056-CAL6 | 50 | 116347 | 0.998 | 17.51 |
| OD07056-CAL7 | 100 | 253202 | 1.018 | 17.51 |
| OD07056-CAL8 | 200 | 536283 | 1.086 | 17.51 |
| OD07056-CAL9 | 400 | 1217211 | 1.138 | 17.52 |
| OD07056-CALA | 600 | 1548382 | 1.163 | 17.52 |

AVE RF 1.034 RF RSD 7.03 AVE RT 17.51

Benzo(b+k)fluoranthene(s)

Curve Fit: **AVERAGE RF**

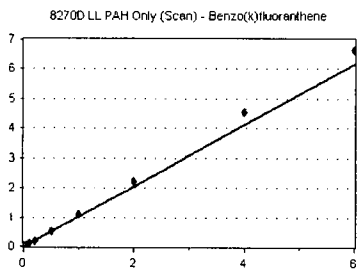


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 2 | 3809 | 1.007 | 17.50 |
| OD07056-CAL2 | 4 | 6349 | 1.005 | 17.50 |
| OD07056-CAL3 | 10 | 18526 | 1.020 | 17.50 |
| OD07056-CAL4 | 20 | 44218 | 1.074 | 17.58 |
| OD07056-CAL5 | 40 | 81846 | 1.091 | 17.57 |
| OD07056-CAL6 | 100 | 249964 | 1.072 | 17.57 |
| OD07056-CAL7 | 200 | 548680 | 1.103 | 17.57 |
| OD07056-CAL8 | 400 | 1132360 | 1.146 | 17.58 |
| OD07056-CAL9 | 800 | 2523866 | 1.179 | 17.59 |
| OD07056-CALA | 1200 | 3120142 | 1.172 | 17.59 |

AVE RF 1.087 RF RSD 5.96 AVE RT 17.55

Benzo(k)fluoranthene

Curve Fit: **AVERAGE RF**

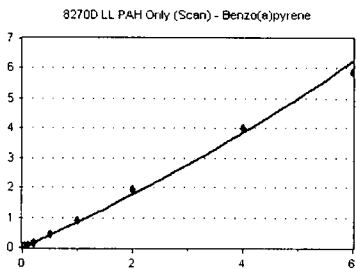


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 1851 | 0.978 | 17.56 |
| OD07056-CAL2 | 2 | 2864 | 0.906 | 17.56 |
| OD07056-CAL3 | 5 | 8275 | 0.911 | 17.56 |
| OD07056-CAL4 | 10 | 20616 | 1.002 | 17.58 |
| OD07056-CAL5 | 20 | 38178 | 1.018 | 17.57 |
| OD07056-CAL6 | 50 | 120385 | 1.033 | 17.57 |
| OD07056-CAL7 | 100 | 270754 | 1.089 | 17.57 |
| OD07056-CAL8 | 200 | 553475 | 1.121 | 17.58 |
| OD07056-CAL9 | 400 | 1218167 | 1.139 | 17.59 |
| OD07056-CALA | 600 | 1475774 | 1.109 | 17.59 |

AVE RF 1.031 RF RSD 8.10 AVE RT 17.57

Benzo(a)pyrene

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 1158 | 0.612 | 18.26 |
| OD07056-CAL2 | 2 | 2009 | 0.636 | 18.26 |
| OD07056-CAL3 | 5 | 5994 | 0.660 | 18.26 |
| OD07056-CAL4 | 10 | 15453 | 0.751 | 18.28 |
| OD07056-CAL5 | 20 | 29191 | 0.778 | 18.27 |
| OD07056-CAL6 | 50 | 102540 | 0.880 | 18.27 |
| OD07056-CAL7 | 100 | 227825 | 0.916 | 18.27 |
| OD07056-CAL8 | 200 | 480916 | 0.974 | 18.28 |
| OD07056-CAL9 | 400 | 1069564 | 1.000 | 18.29 |
| OD07056-CALA | 600 | 1297353 | 0.975 | 18.29 |

AVE RF 0.818 RF RSD 18.31 AVE RT 18.27

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

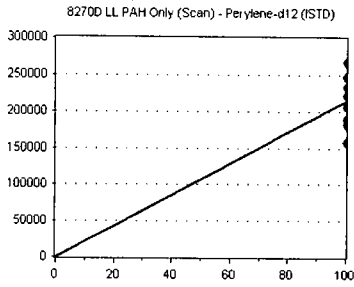
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Perylene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

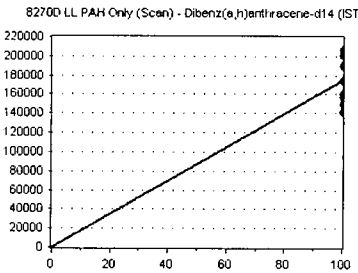


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100 | 189170 | 1891.700 | 18.41 |
| OD07056-CAL2 | 100 | 158010 | 1580.100 | 18.41 |
| OD07056-CAL3 | 100 | 181653 | 1816.530 | 18.41 |
| OD07056-CAL4 | 100 | 205793 | 2057.930 | 18.42 |
| OD07056-CAL5 | 100 | 187485 | 1874.850 | 18.41 |
| OD07056-CAL6 | 100 | 233103 | 2331.030 | 18.41 |
| OD07056-CAL7 | 100 | 248613 | 2486.130 | 18.42 |
| OD07056-CAL8 | 100 | 246957 | 2469.570 | 18.42 |
| OD07056-CAL9 | 100 | 267480 | 2674.800 | 18.42 |
| OD07056-CALA | 100 | 221821 | 2218.210 | 18.42 |

AVE RF 2140.085 RF RSD 16.44 AVE RT 18.41

Dibenz(a,h)anthracene-d14 (ISTD)

Curve Fit: **AVERAGE RF**

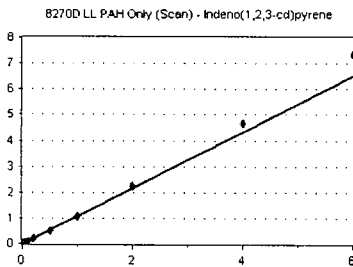


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100 | 160677 | 1606.770 | 20.79 |
| OD07056-CAL2 | 100 | 141496 | 1414.960 | 20.79 |
| OD07056-CAL3 | 100 | 160102 | 1601.020 | 20.79 |
| OD07056-CAL4 | 100 | 175208 | 1752.080 | 20.80 |
| OD07056-CAL5 | 100 | 149877 | 1498.770 | 20.79 |
| OD07056-CAL6 | 100 | 190743 | 1907.430 | 20.79 |
| OD07056-CAL7 | 100 | 201252 | 2012.520 | 20.79 |
| OD07056-CAL8 | 100 | 201443 | 2014.430 | 20.79 |
| OD07056-CAL9 | 100 | 206453 | 2064.530 | 20.81 |
| OD07056-CALA | 100 | 157020 | 1570.200 | 20.81 |

AVE RF 1744.271 RF RSD 13.68 AVE RT 20.79

Indeno(1,2,3-cd)pyrene

Curve Fit: **AVERAGE RF**

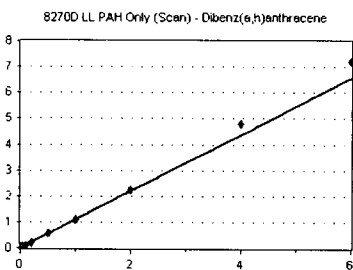


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 1652 | 1.028 | 20.79 |
| OD07056-CAL2 | 2 | 2847 | 1.006 | 20.79 |
| OD07056-CAL3 | 5 | 8244 | 1.030 | 20.79 |
| OD07056-CAL4 | 10 | 18462 | 1.054 | 20.80 |
| OD07056-CAL5 | 20 | 32482 | 1.084 | 20.79 |
| OD07056-CAL6 | 50 | 102100 | 1.071 | 20.79 |
| OD07056-CAL7 | 100 | 215605 | 1.071 | 20.79 |
| OD07056-CAL8 | 200 | 452810 | 1.124 | 20.80 |
| OD07056-CAL9 | 400 | 964615 | 1.168 | 20.81 |
| OD07056-CALA | 600 | 1156472 | 1.228 | 20.81 |

AVE RF 1.086 RF RSD 6.33 AVE RT 20.80

Dibenz(a,h)anthracene

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 1657 | 1.031 | 20.86 |
| OD07056-CAL2 | 2 | 2764 | 0.977 | 20.85 |
| OD07056-CAL3 | 5 | 8753 | 1.093 | 20.85 |
| OD07056-CAL4 | 10 | 18337 | 1.047 | 20.86 |
| OD07056-CAL5 | 20 | 32488 | 1.084 | 20.86 |
| OD07056-CAL6 | 50 | 104317 | 1.094 | 20.86 |
| OD07056-CAL7 | 100 | 220763 | 1.097 | 20.86 |
| OD07056-CAL8 | 200 | 454575 | 1.128 | 20.86 |
| OD07056-CAL9 | 400 | 991281 | 1.200 | 20.88 |
| OD07056-CALA | 600 | 1132840 | 1.202 | 20.88 |

AVE RF 1.095 RF RSD 6.40 AVE RT 20.86

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

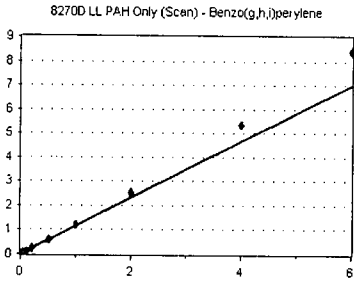
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Benzo(g,h,i)perylene

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response | |
|--------------|---------------|----------|----------|-------|
| | | | Factor | RT |
| 0D07056-CAL1 | 1 | 1550 | 0.965 | 21.32 |
| 0D07056-CAL2 | 2 | 2738 | 0.968 | 21.32 |
| 0D07056-CAL3 | 5 | 8418 | 1.052 | 21.32 |
| 0D07056-CAL4 | 10 | 18938 | 1.081 | 21.33 |
| 0D07056-CAL5 | 20 | 34943 | 1.166 | 21.32 |
| 0D07056-CAL6 | 50 | 113428 | 1.189 | 21.32 |
| 0D07056-CAL7 | 100 | 246409 | 1.224 | 21.33 |
| 0D07056-CAL8 | 200 | 512635 | 1.272 | 21.34 |
| 0D07056-CAL9 | 400 | 1102019 | 1.334 | 21.35 |
| 0D07056-CALA | 600 | 1320462 | 1.402 | 21.35 |

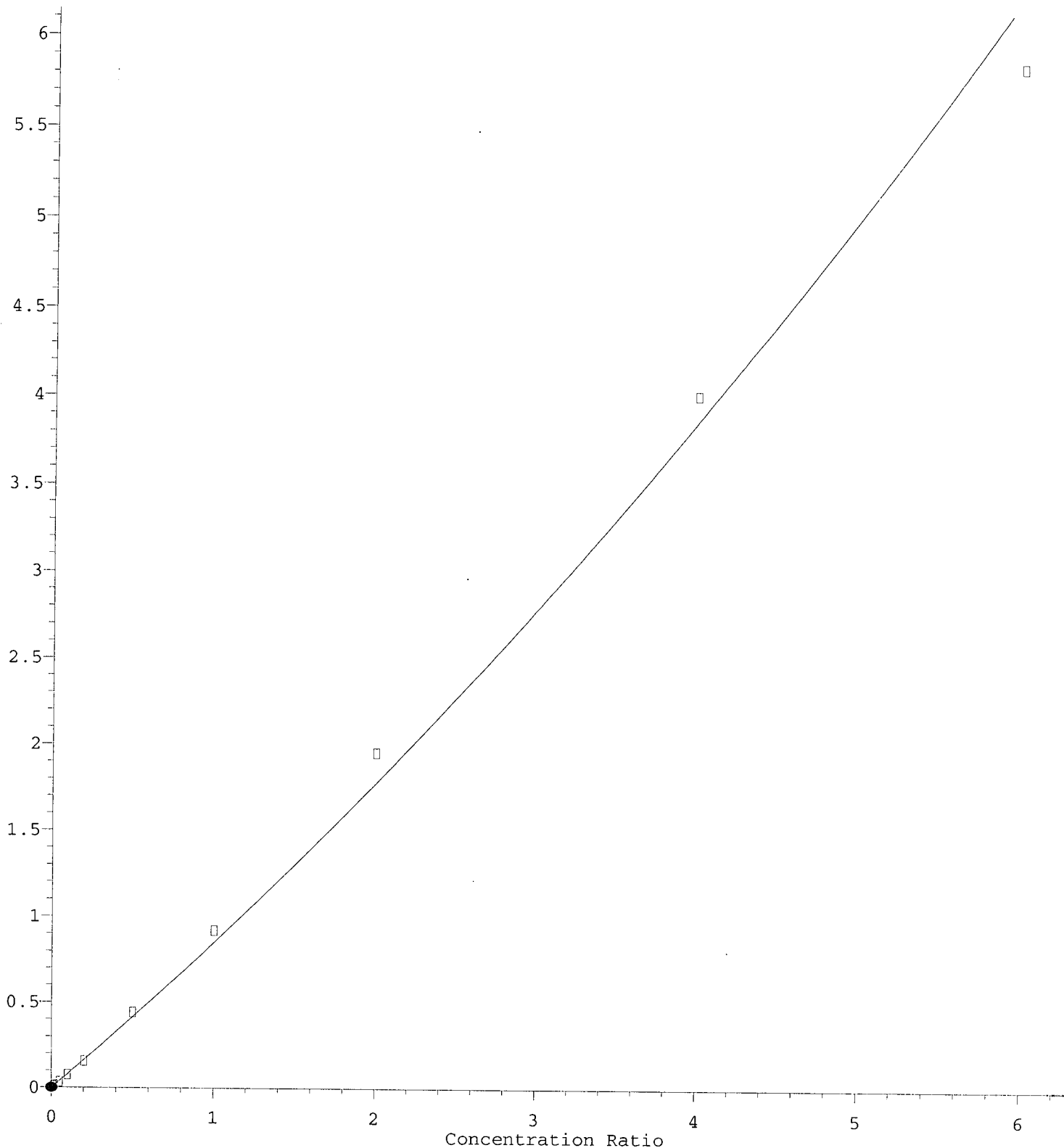
AVE RF **1.165**

RF RSD **12.77**

AVE RT **21.33**

Benzo(a)pyrene

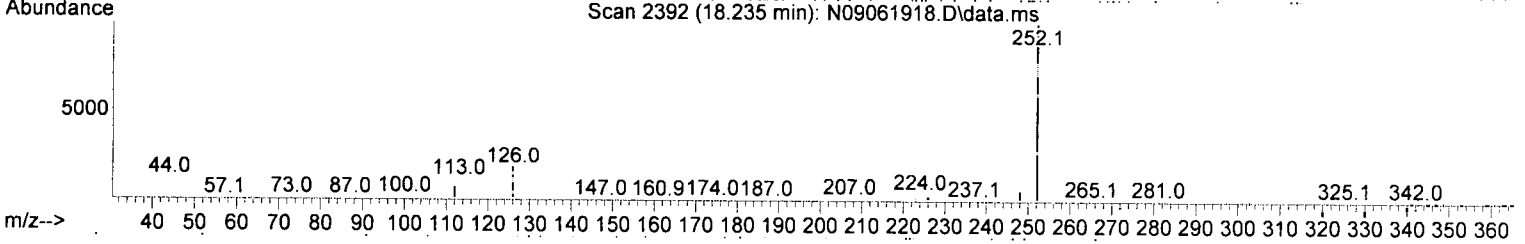
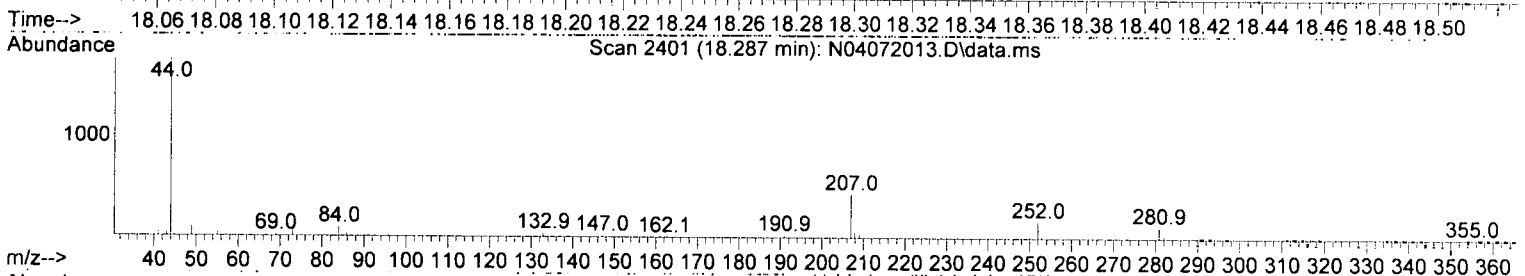
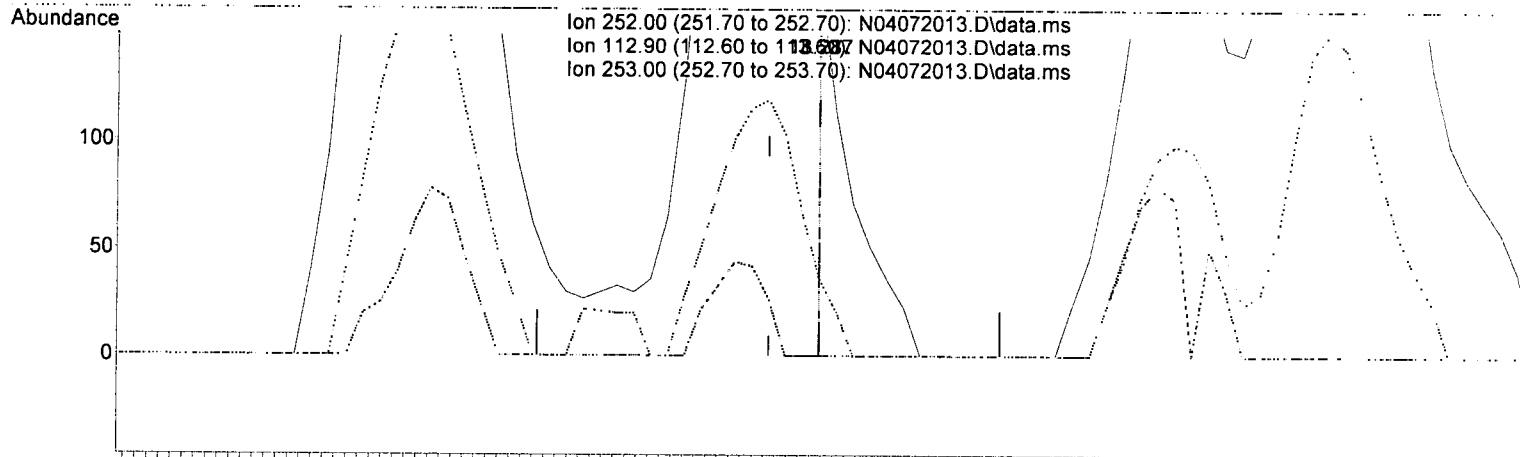
Response Ratio



Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\REQUANT\
 Data File : N04072013.D
 Acq On : 07 Apr 2020 17:38
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL1
 Misc : 1x, A20C467@1PPB
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:18 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04072013.D\data.ms

(33) Benzo(a)pyrene (T)

18.287min (+ 0.017) 0.38 ng/ml m

response 102

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 0.00 |
| 253.00 | 21.90 | 20.34 |
| 0.00 | 0.00 | 0.00 |

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D07056

Analysis Included
8270D LL PAH Only (Scan)

INSTRUMENT SEQUENCE LOG

| SampleID | SampleName | Matrix | STDID | ISTD_ID | Analized |
|--------------|-------------------|--------|---------|---------|---------------------|
| 0D07056-TUN1 | MS Tune | Soil | A20C407 | A20C067 | 4/7/2020 4:40:00PM |
| 0D07056-ICB1 | Initial Cal Blank | Soil | | A20C067 | 4/7/2020 5:07:00PM |
| 0D07056-CAL1 | Cal Standard | Soil | A20C467 | " | 4/7/2020 5:38:00PM |
| 0D07056-CAL2 | Cal Standard | Soil | A20C468 | " | 4/7/2020 6:10:00PM |
| 0D07056-CAL3 | Cal Standard | Soil | A20C469 | " | 4/7/2020 6:42:00PM |
| 0D07056-CAL4 | Cal Standard | Soil | A20C470 | " | 4/7/2020 7:28:00PM |
| 0D07056-CAL5 | Cal Standard | Soil | A20C471 | " | 4/7/2020 8:00:00PM |
| 0D07056-CAL6 | Cal Standard | Soil | A20C472 | " | 4/7/2020 8:32:00PM |
| 0D07056-CAL7 | Cal Standard | Soil | A20C473 | " | 4/7/2020 9:04:00PM |
| 0D07056-CAL8 | Cal Standard | Soil | A20C474 | " | 4/7/2020 9:36:00PM |
| 0D07056-CAL9 | Cal Standard | Soil | A20C475 | " | 4/7/2020 10:08:00PM |
| 0D07056-CALA | Cal Standard | Soil | A20C476 | " | 4/7/2020 10:40:00PM |
| 0D07056-ICV1 | Initial Cal Check | Soil | A20C479 | " | 4/7/2020 11:44:00PM |

CALIBRATION STANDARD RECOVERIES

Calibration: **A0D0804** Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan) Sequence: **0D07056** Matrix: **Soil**

| SampleID | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
|--------------|-----------|-------------|-----------|-------|------|
| 0D07056-CAL1 | | | | | |
| 0D07056-CAL2 | | | | | |
| 0D07056-CAL3 | | | | | |
| 0D07056-CAL4 | | | | | |
| 0D07056-CAL5 | | | | | |
| 0D07056-CAL6 | | | | | |
| 0D07056-CAL7 | | | | | |
| 0D07056-CAL8 | | | | | |
| 0D07056-CAL9 | | | | | |
| 0D07056-CALA | | | | | |

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

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 |

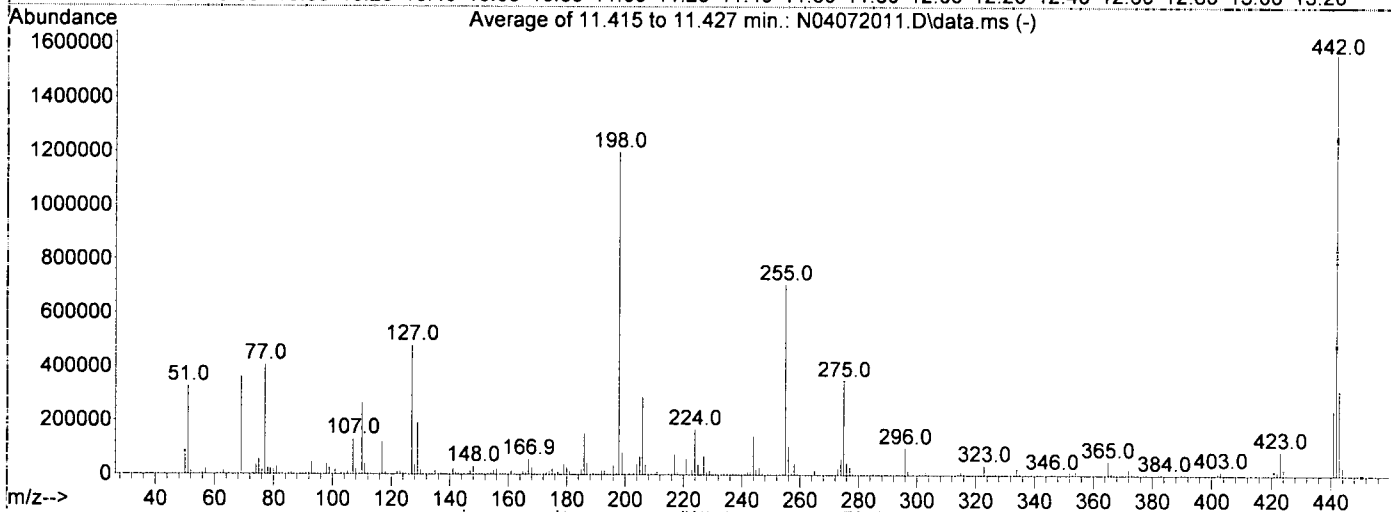
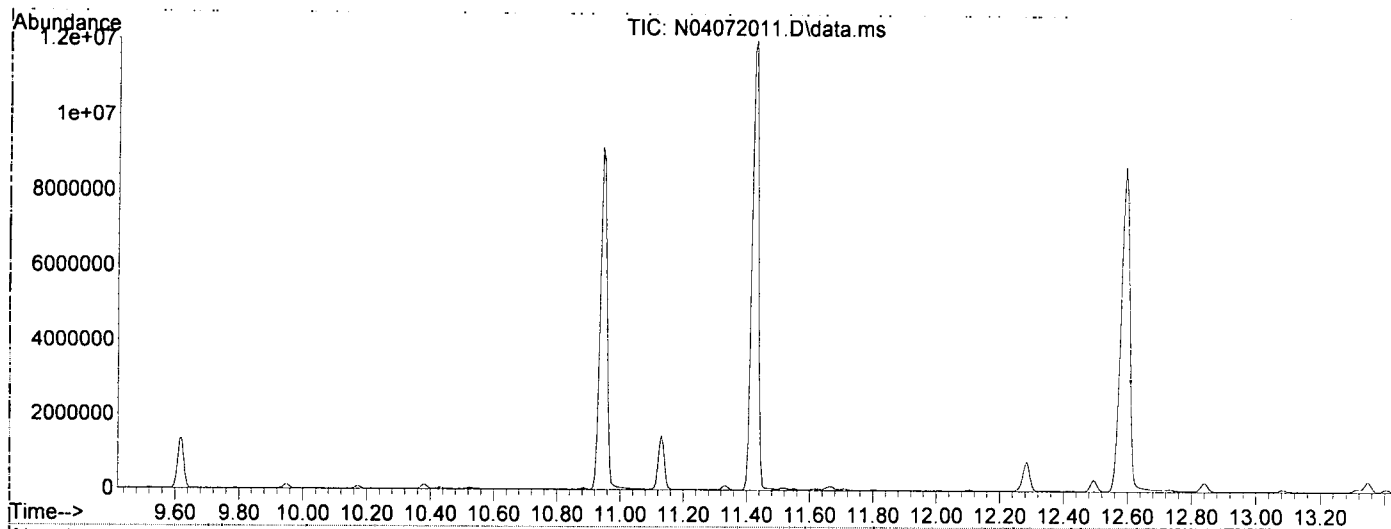
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Handwritten: 4/8/20



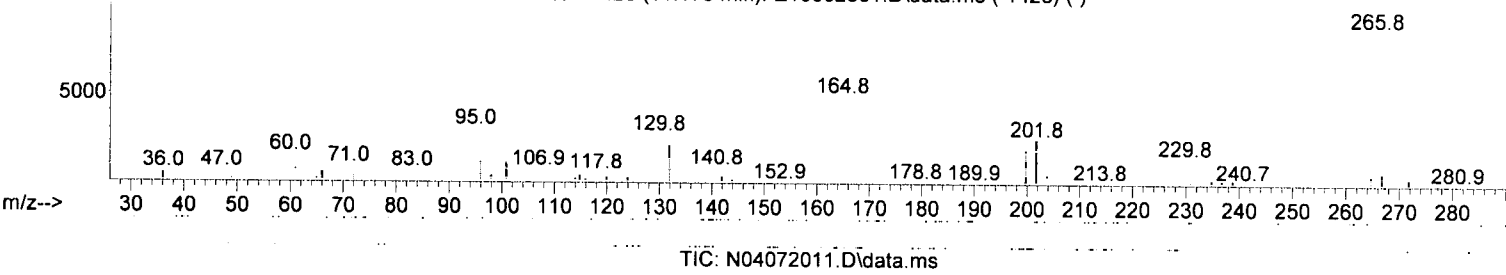
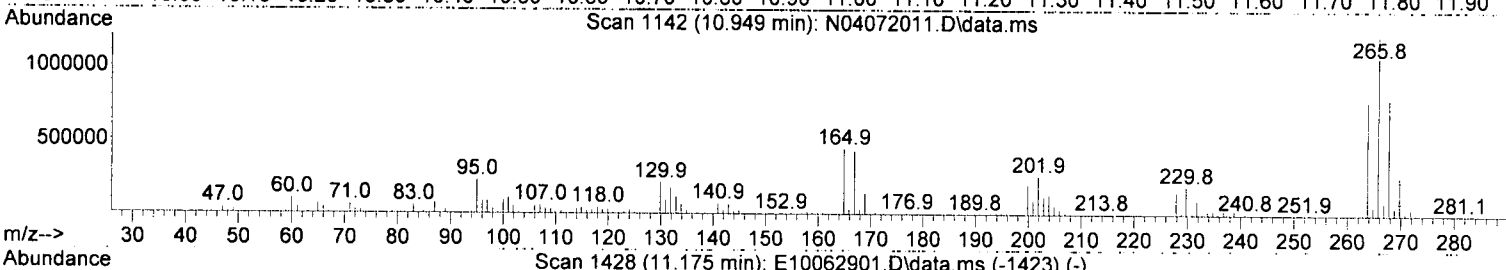
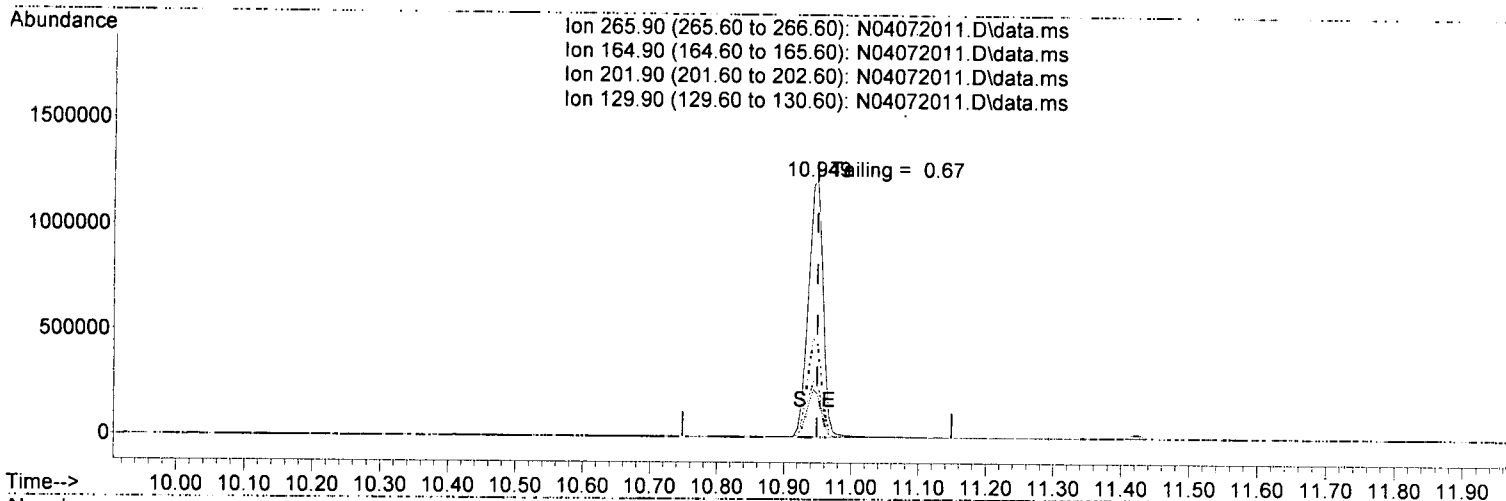
AutoFind: Scans 1222, 1223, 1224; Background Corrected with Scan 1216

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 68 | 69 | 0.00 | 2 | 1.7 | 6083 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 365241 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 1854 | PASS |
| 197 | 198 | 0.00 | 2 | 0.5 | 6580 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 1198699 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 82376 | PASS |
| 365 | 198 | 1 | 100 | 4.3 | 51179 | PASS |
| 441 | 443 | 0.01 | 150 | 77.3 | 240704 | PASS |
| 442 | 198 | 0.10 | 200 | 130.5 | 1564779 | PASS |
| 443 | 442 | 15 | 24 | 19.9 | 311317 | PASS |

Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Apr 08 09:38:16 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04072011.D\data.ms

(4) Pentachlorophenol

10.949min (0.000) 48.09 ug/mL

response 1845493

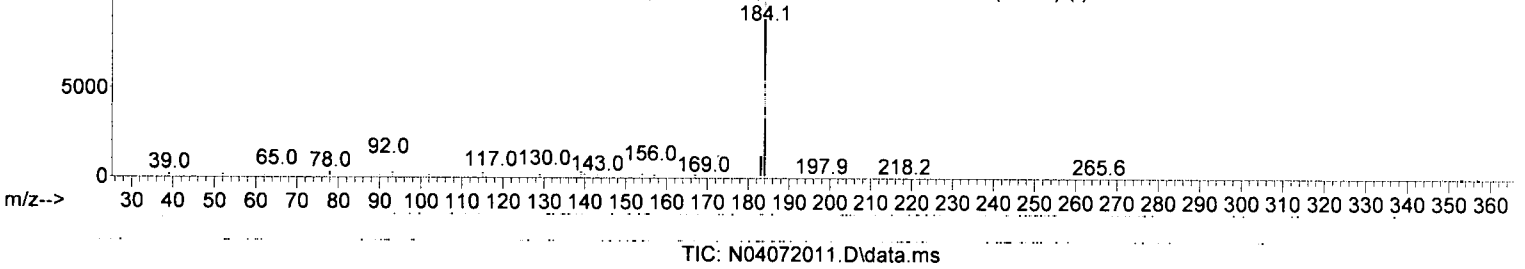
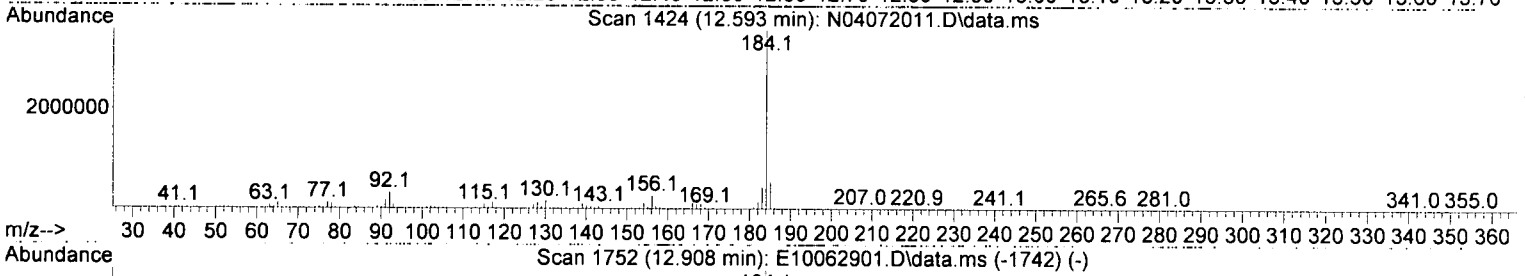
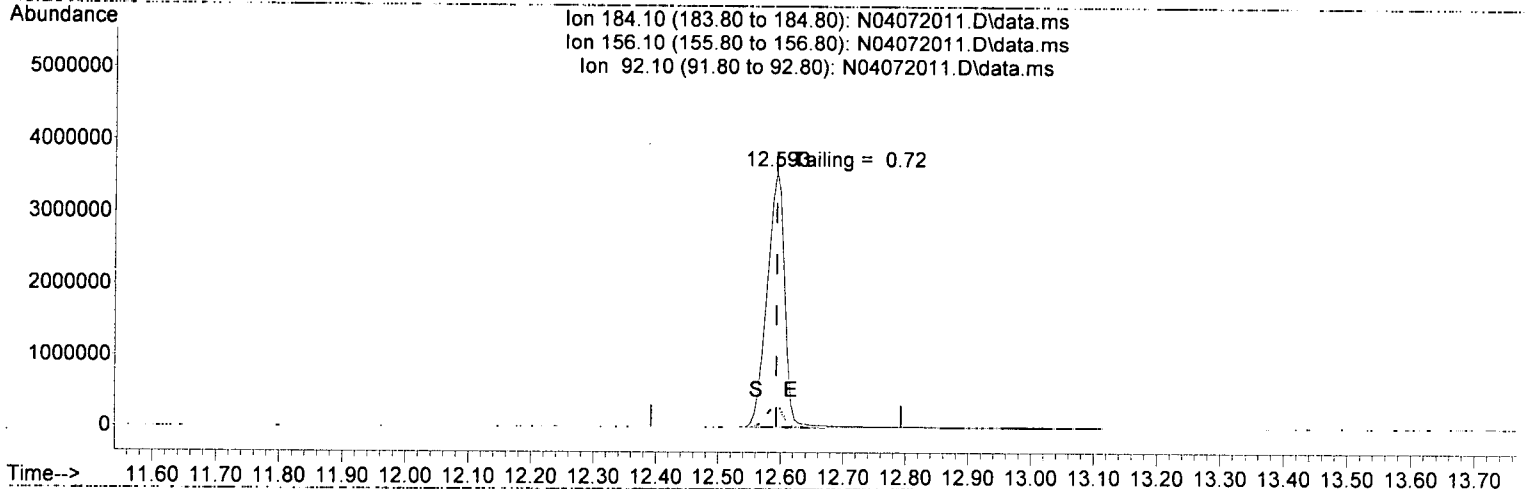
| Ion | Exp% | Act% |
|--------|--------|--------|
| 265.90 | 100.00 | 100.00 |
| 164.90 | 50.60 | 36.50 |
| 201.90 | 25.80 | 21.24 |
| 129.90 | 27.30 | 17.26 |

Handwritten signature and date: JK 4/8/20

Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Apr 08 09:38:16 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



(7) Benzidine

12.593min (0.000) 26.02 ug/mL

response 7014847

| Ion | Exp% | Act% |
|--------|--------|--------|
| 184.10 | 100.00 | 100.00 |
| 156.10 | 8.50 | 7.22 |
| 92.10 | 8.20 | 8.66 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature and date: 4/8/20

DDT Breakdown Check (Validated 5/1/2013)

From:
OD07056-TUN1
SV-GCMS14

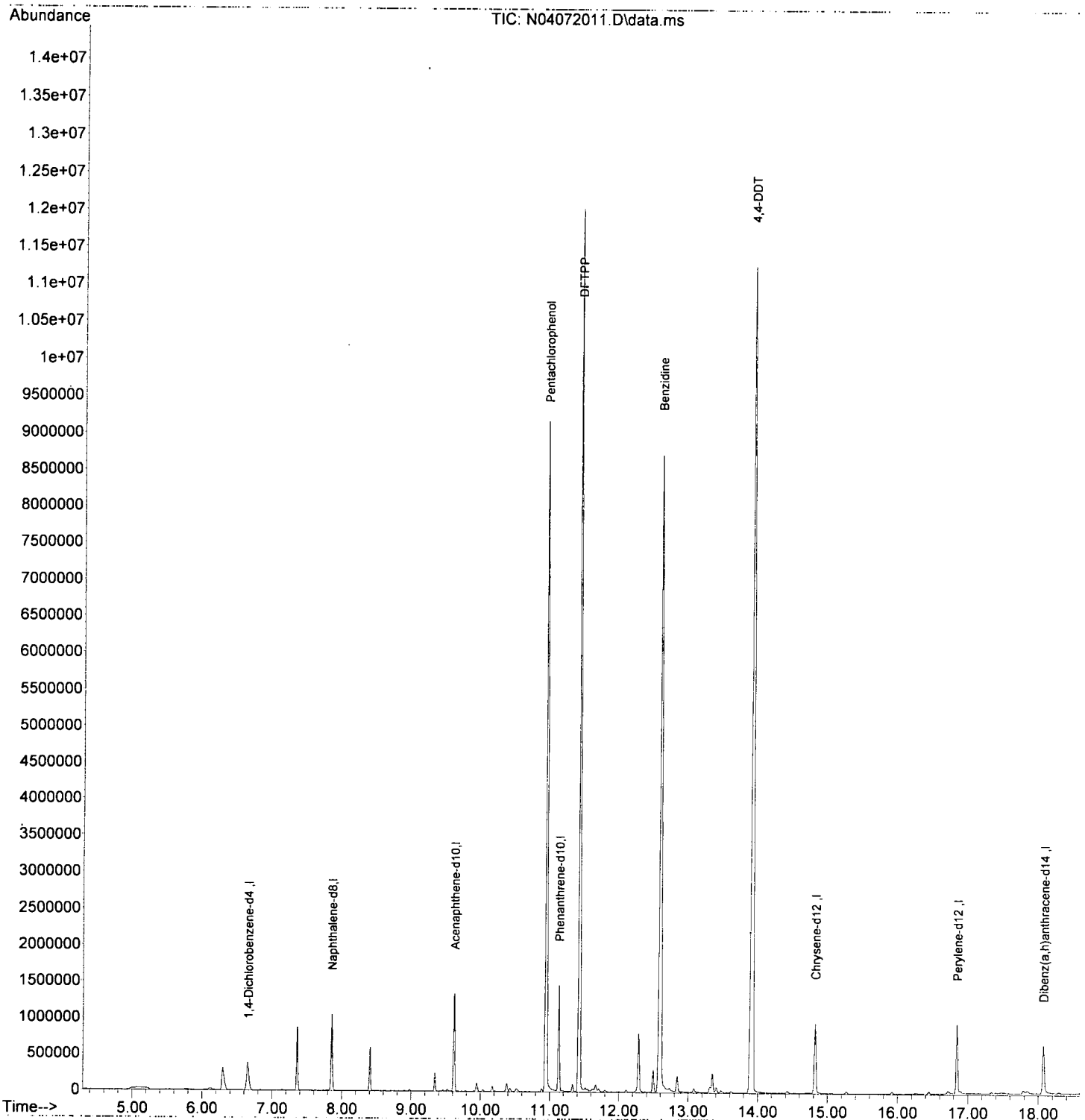
| First Column Area Counts | Percent Breakdown |
|--------------------------|-------------------|
| DDE 341628 | |
| DDD 396978 | |
| DDT 24135849 | 2.97 PASS |

✓
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

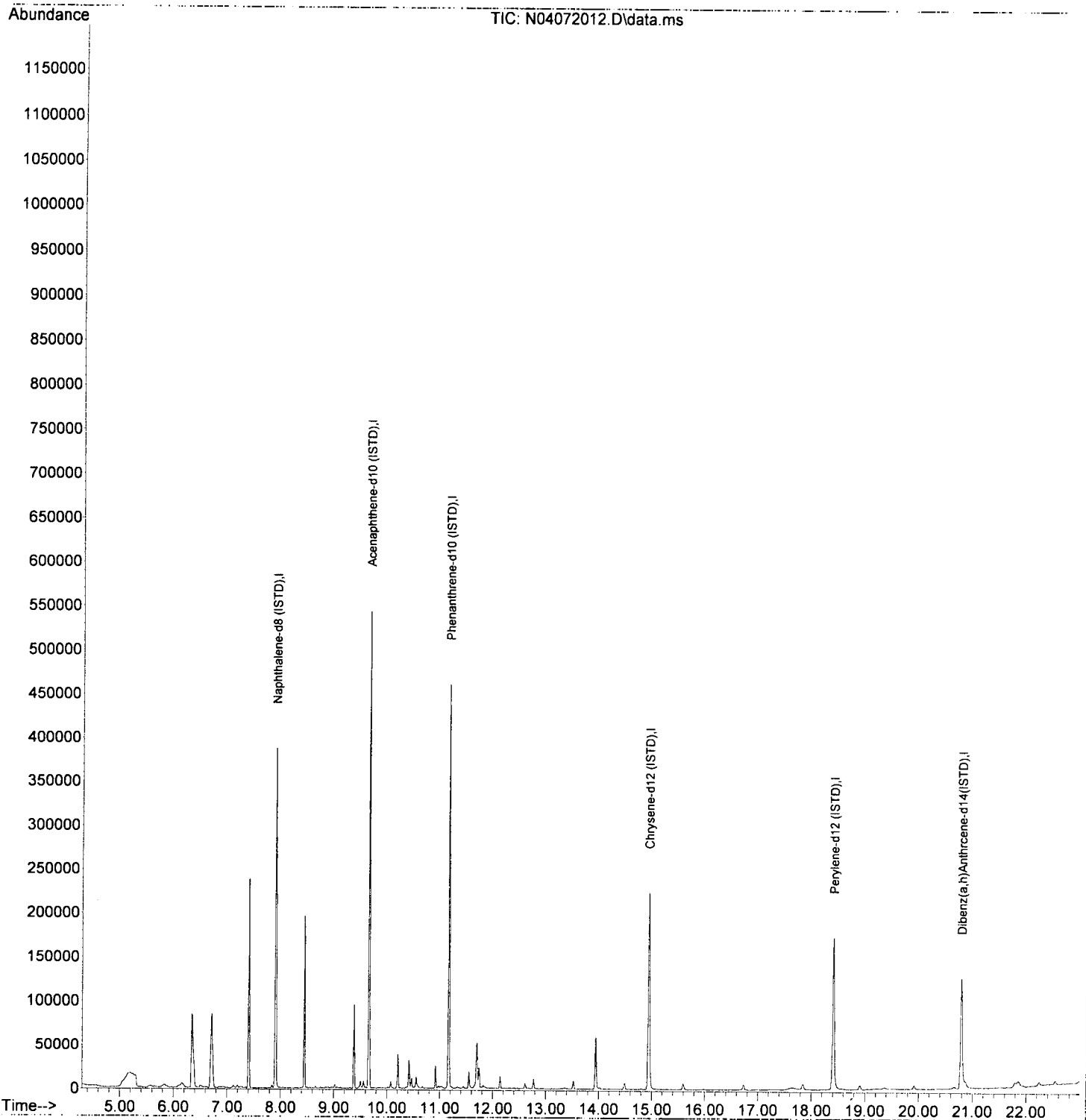
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.906 | 136 | 278751 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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

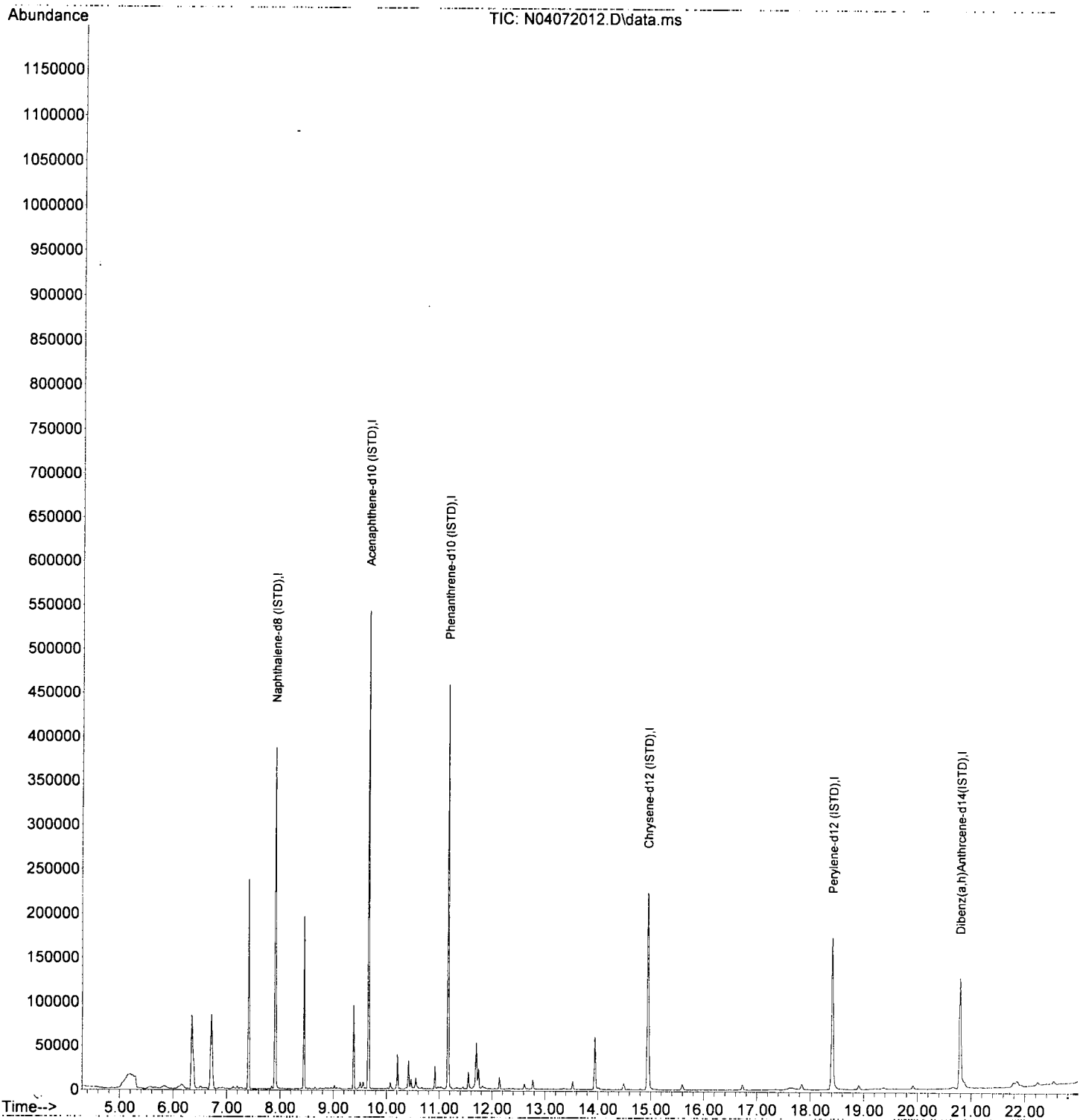
AD 4/8/20

| 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

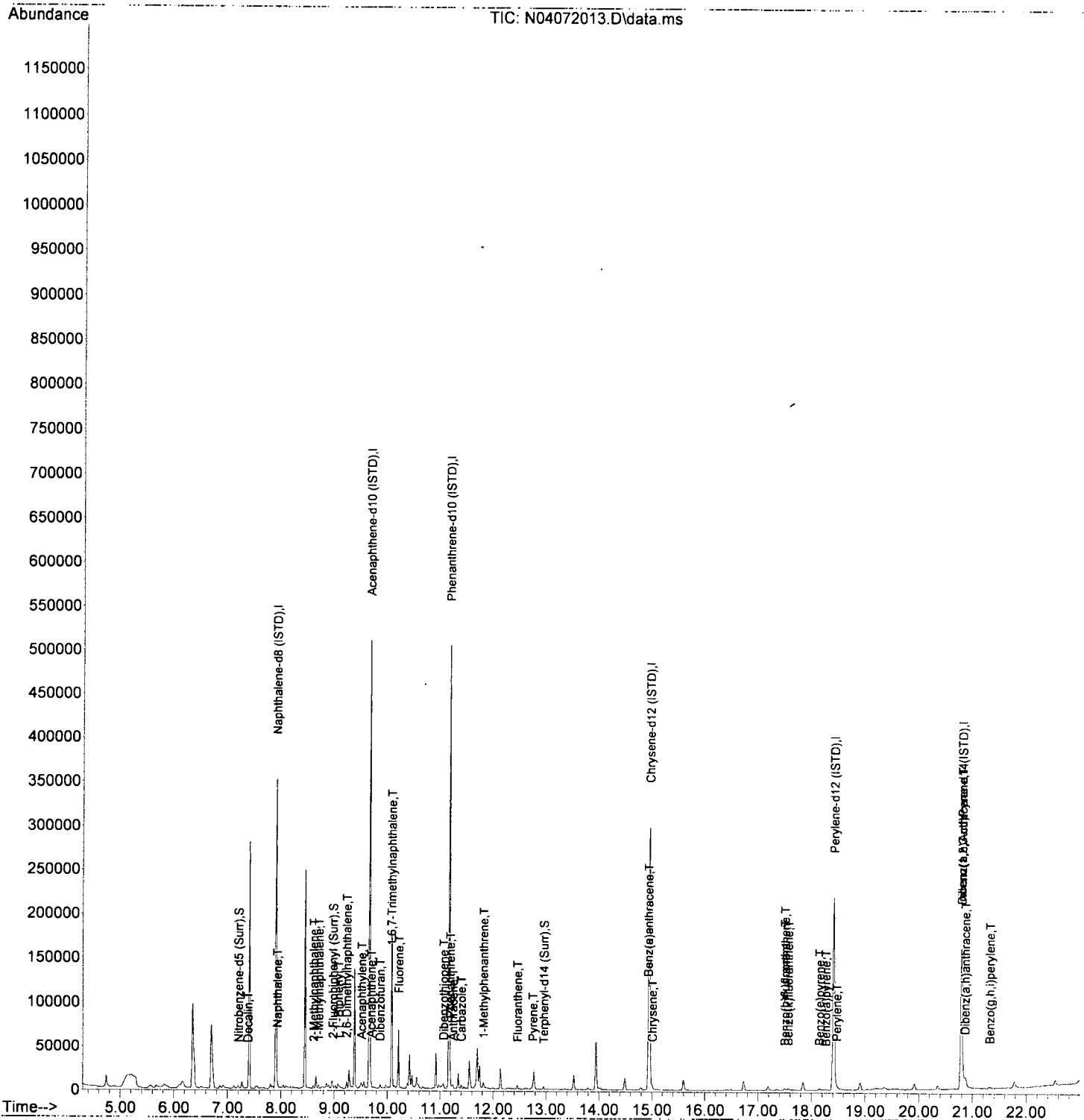
JK 4/8/20

| 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

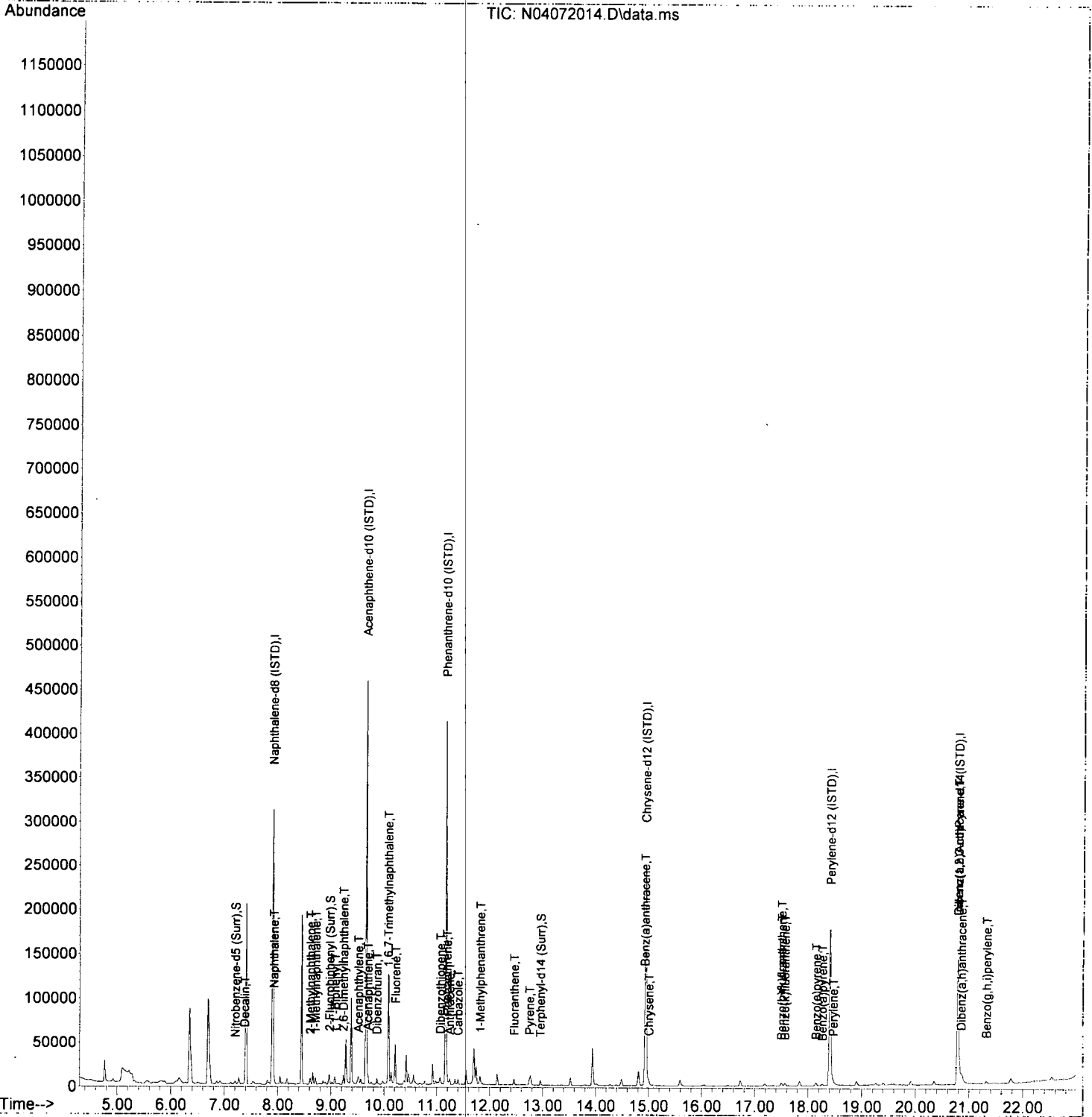
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.906 | 136 | 243705 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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

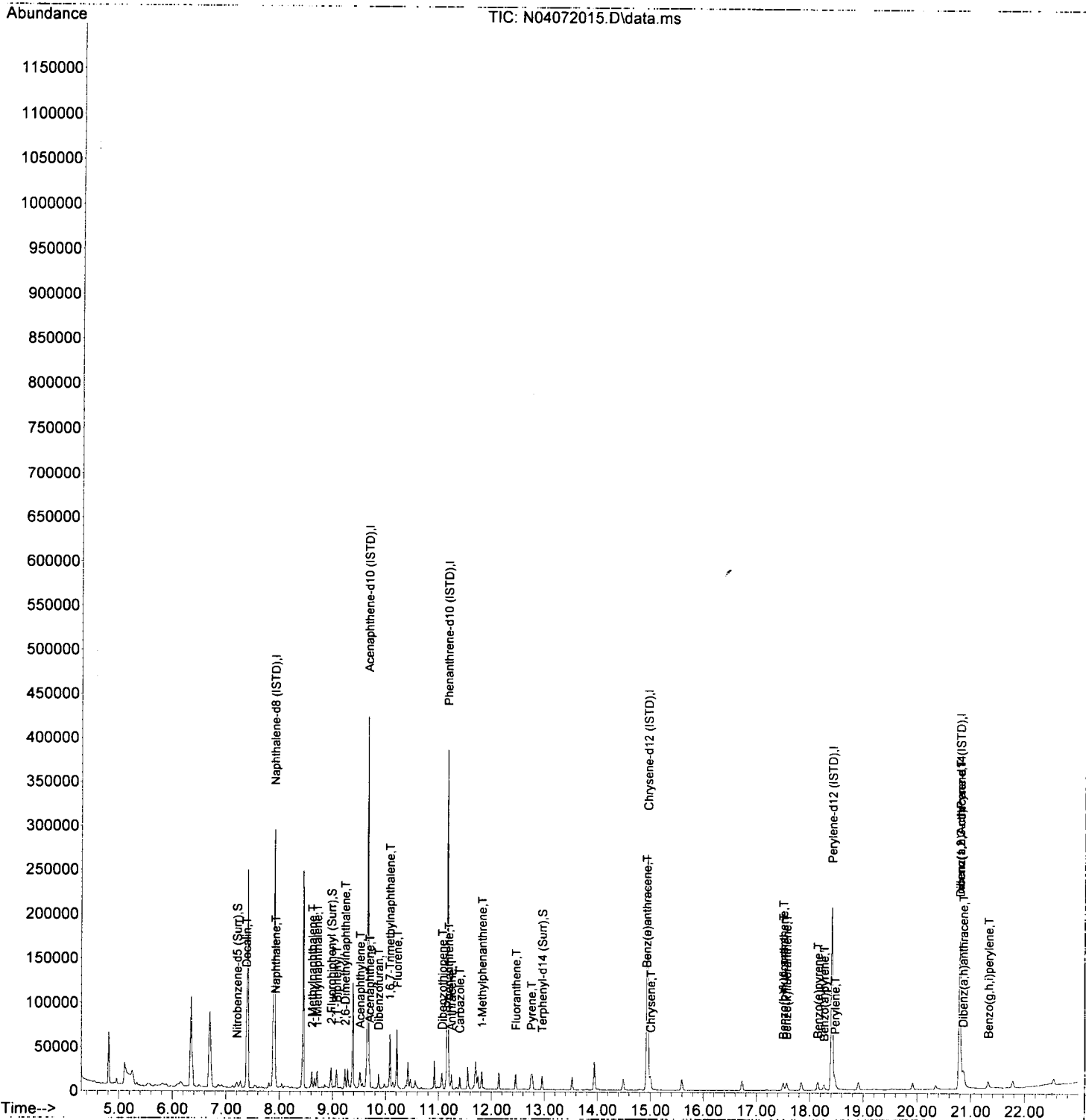
9/2 4/8/20

| 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

Handwritten: Jd 4/8/20

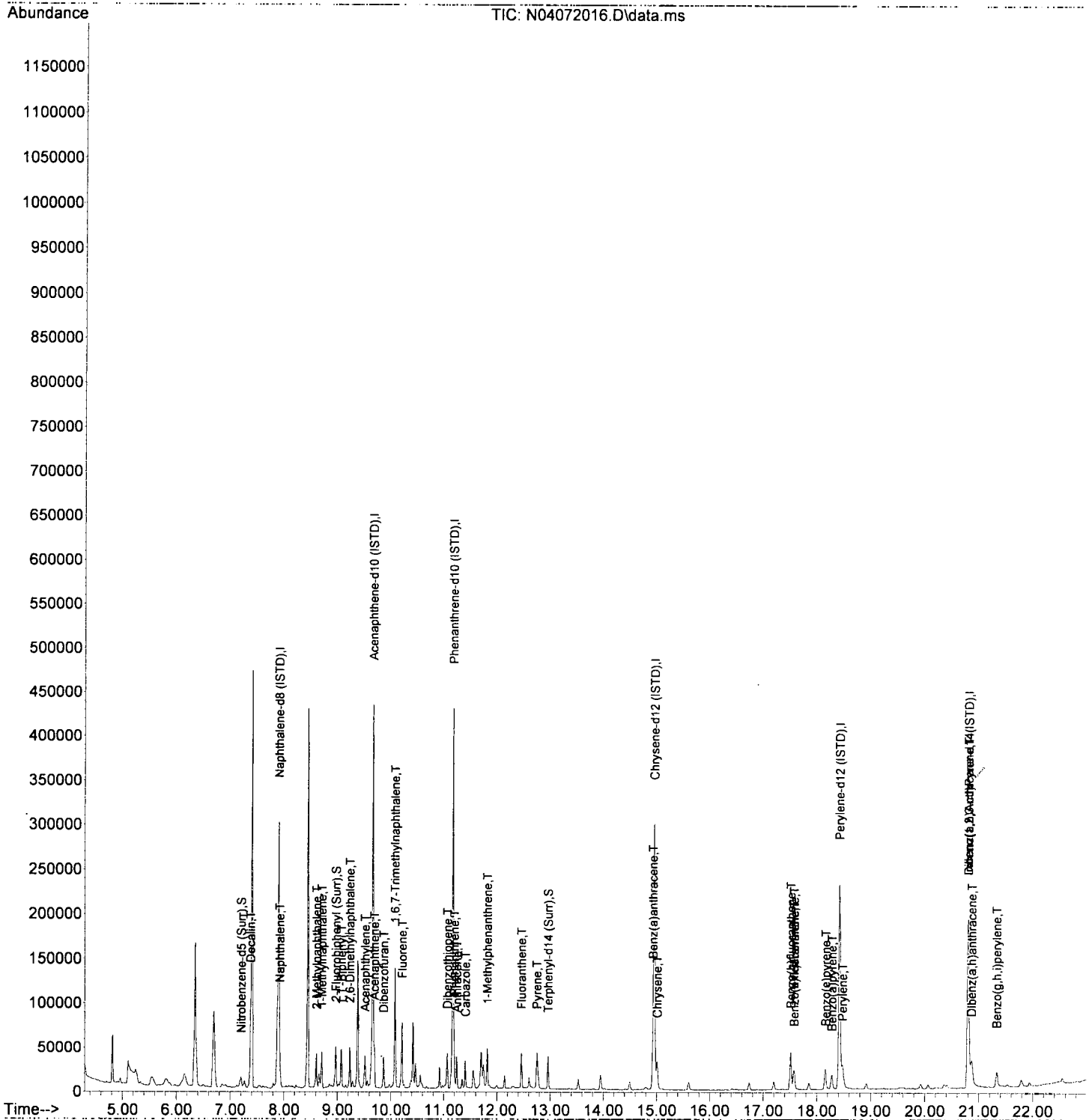
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.907 | 136 | 270985 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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

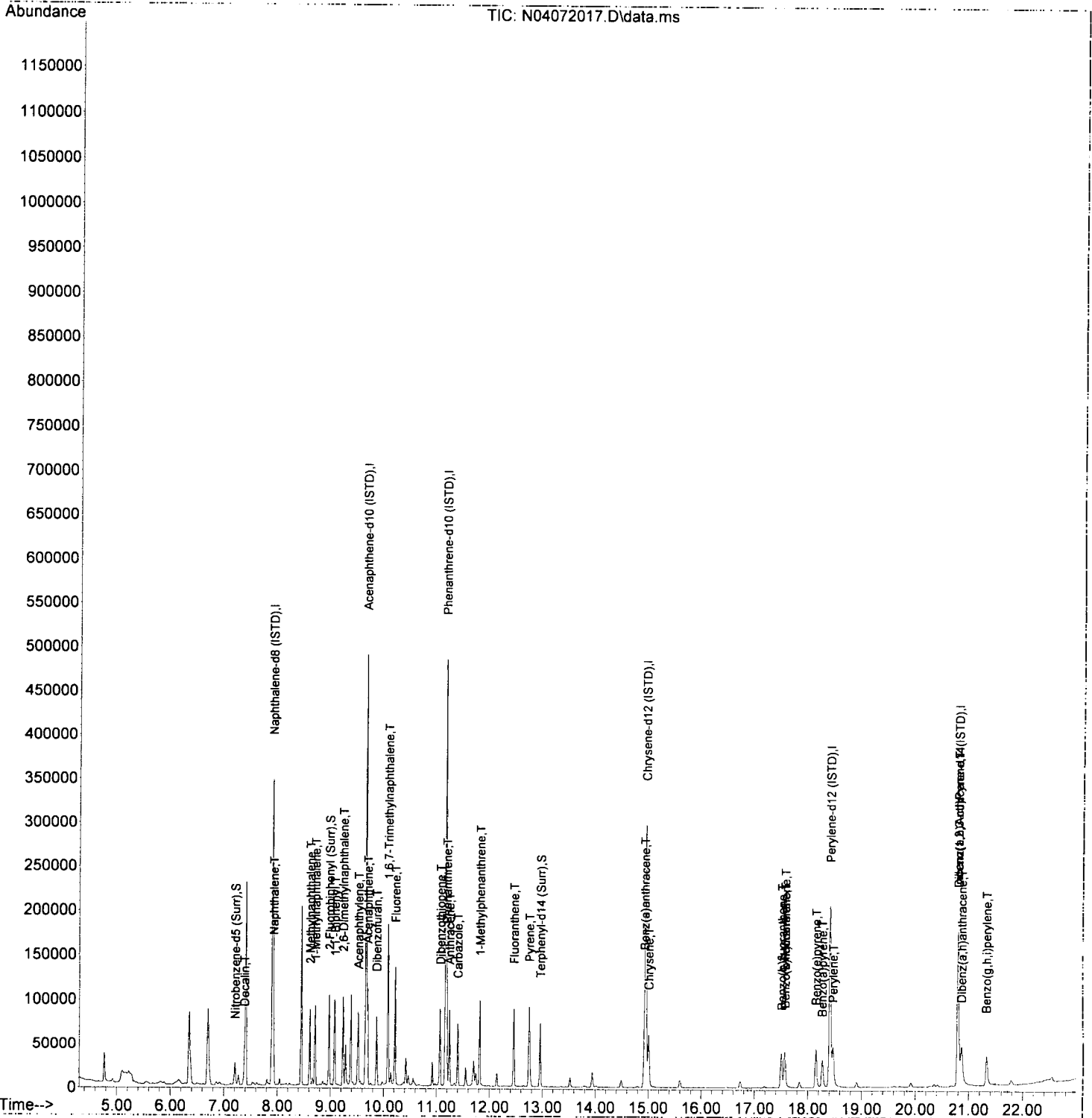
9/27/8/20

| 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

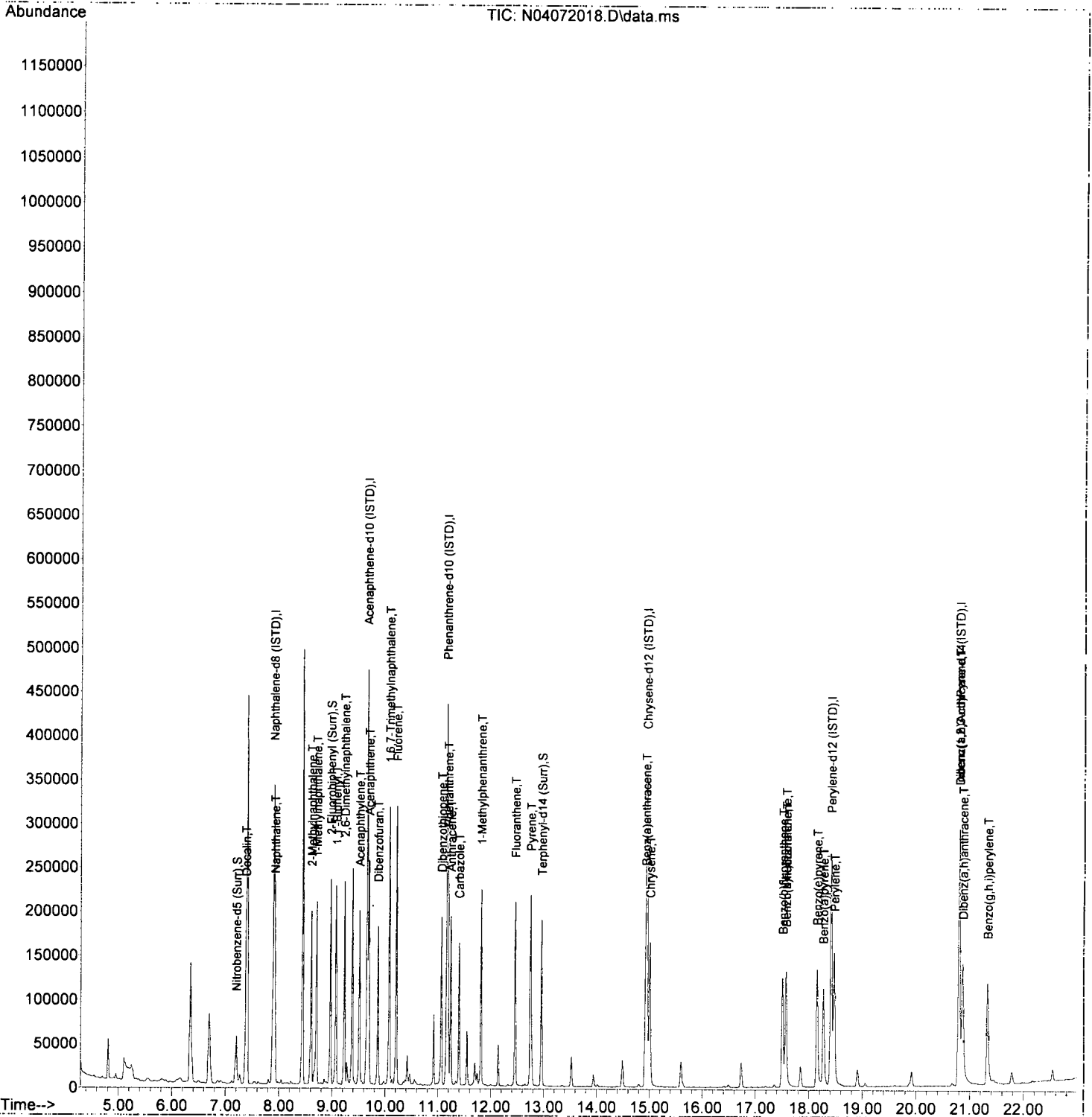
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.906 | 136 | 265079 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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

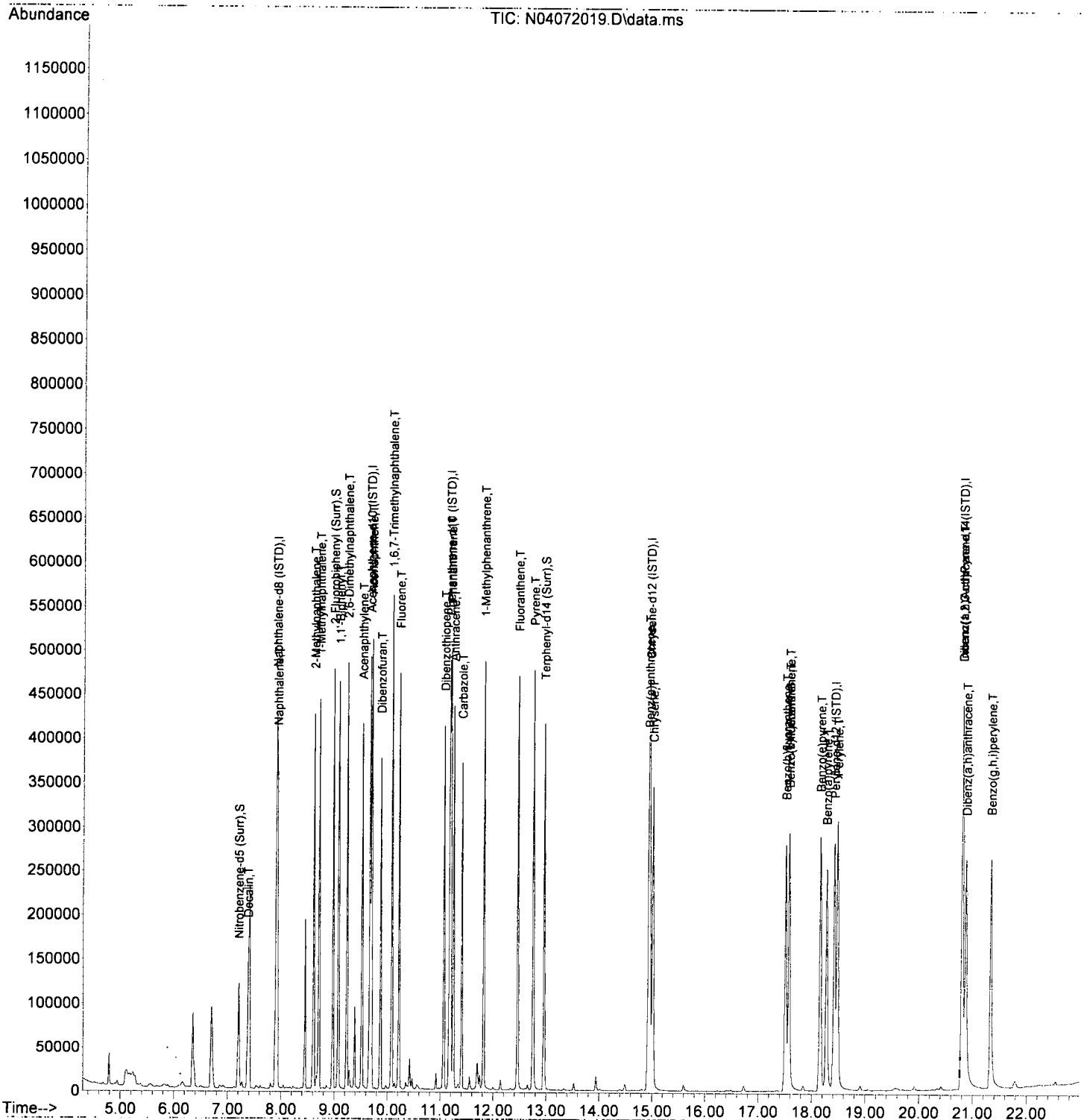
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.906 | 136 | 270936 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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

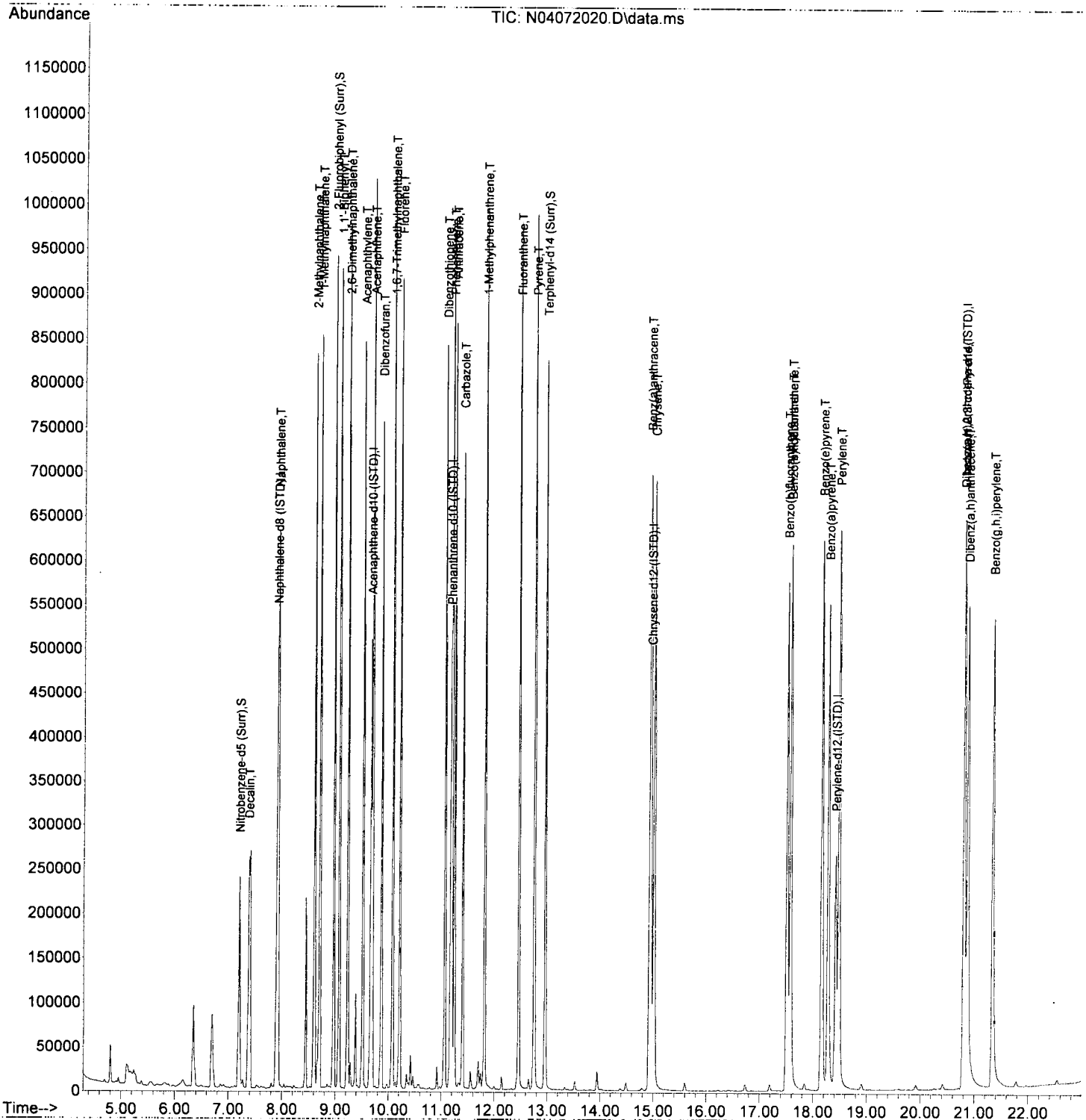
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.906 | 136 | 259002 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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

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

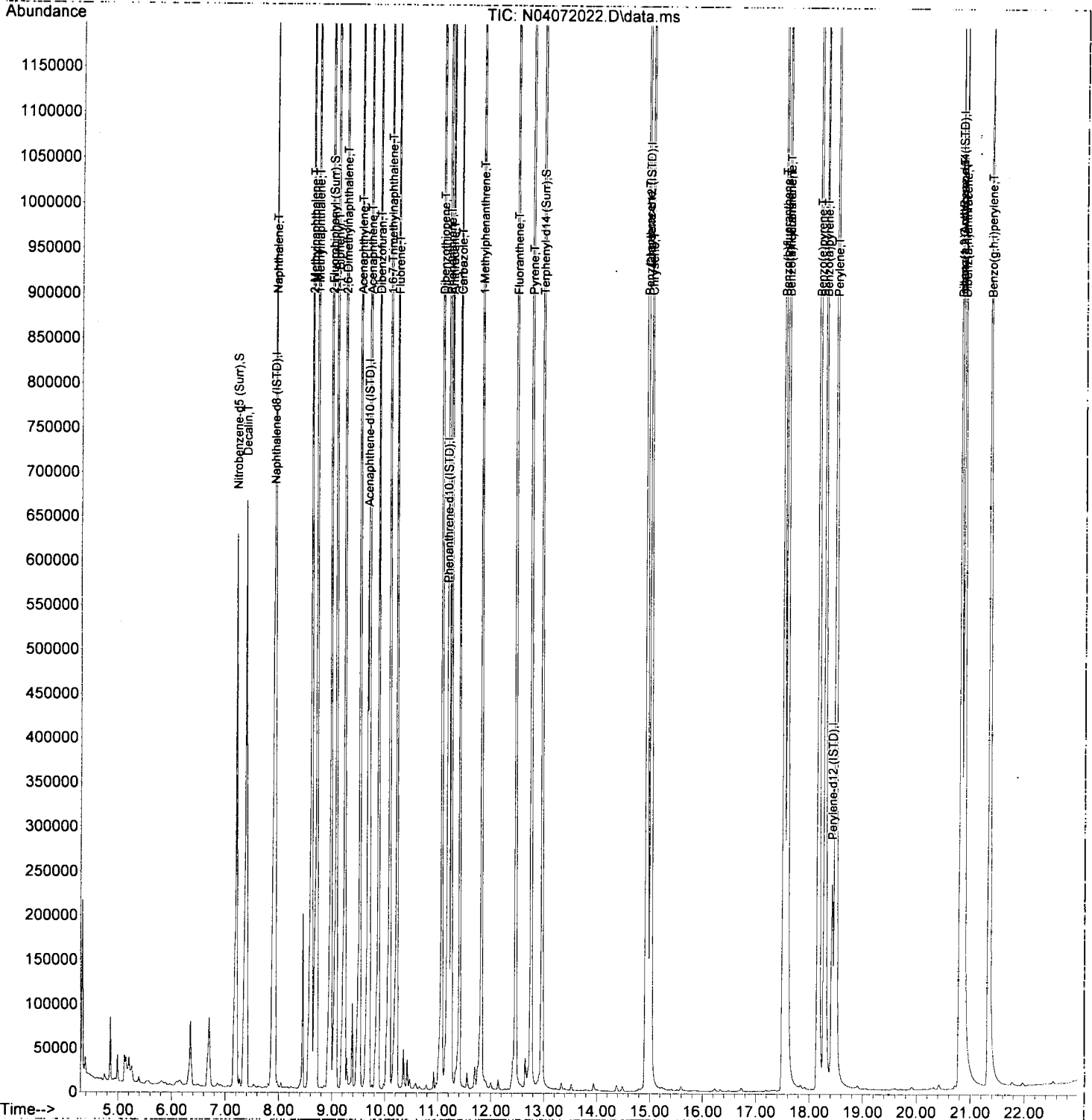
JK 4/8/20

| 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

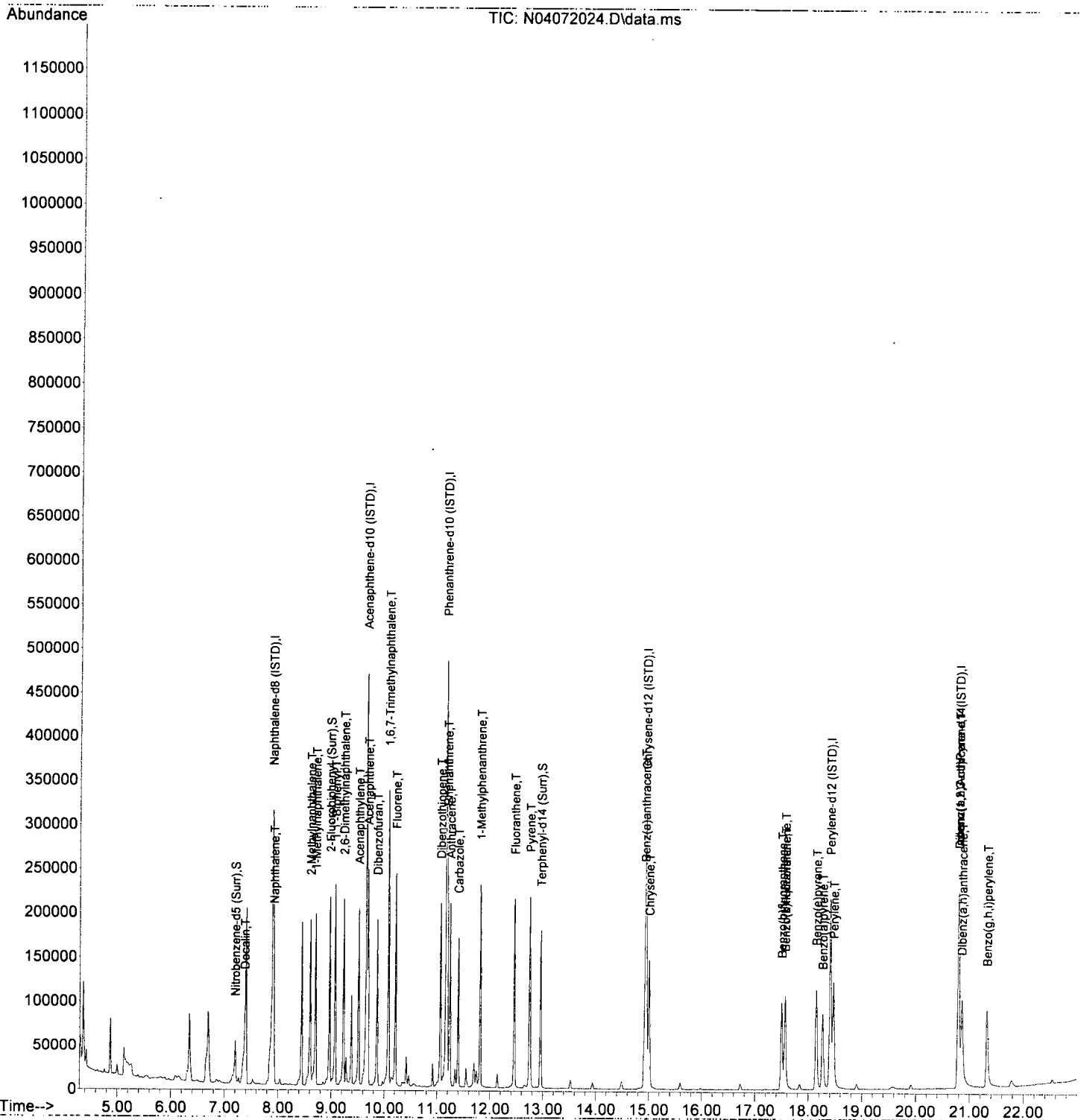
JK 4/8/20

| 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

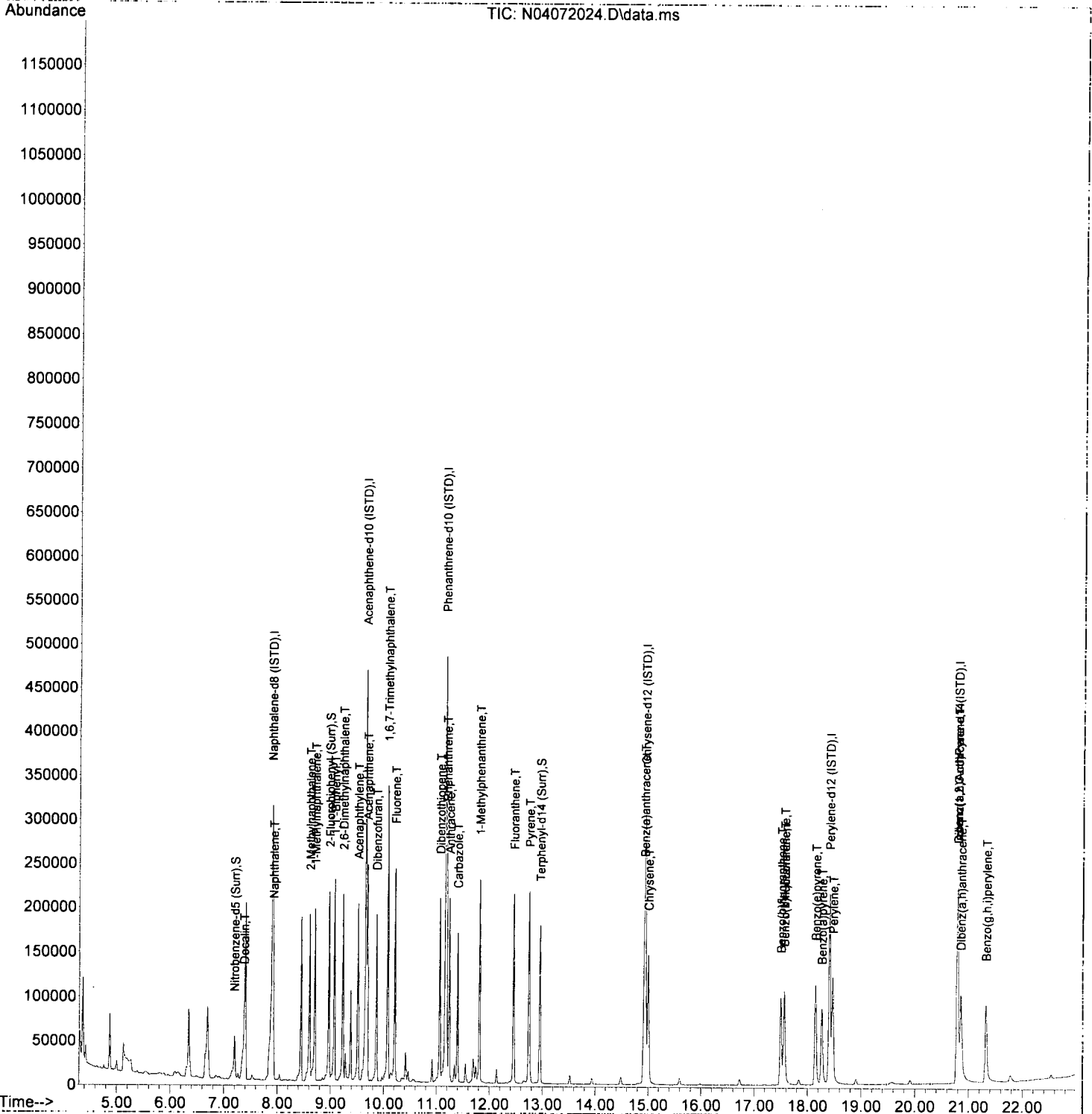
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|------------------------------------|--------|------|----------|--------|-------|-----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.901 | 136 | 265379 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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 0060932
Sequence 0G02035 (A0F0647-01,02,03,04)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060932 (Soil)

Prep Method: PSEP-5310B TOC

| # | Lab Number | Analysis | Prepared | Initial (N/A) | Final (N/A) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | | |
|---|--------------|--|----------------|---------------|-------------|----------|------------|----------|----------|----------------------------|---------------------|----|---|-----|
| | | | | | | | | | | | | <2 | 8 | >11 |
| | 0060932-BLK1 | QC | 06/29/20 15:35 | 0.2 | 0.2 | | | | | | | | | |
| | 0060932-BS1 | QC | 06/29/20 15:35 | 0.2 | 0.2 | A20E110 | | 1 | | | | | | |
| | A0F0647-01 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | PDI-149SC-A-01-02-200425 | | | | |
| | 0060932-DUP1 | QC | 06/29/20 15:35 | 0.2 | 0.2 | | A0F0647-01 | | | | | | | |
| | 0060932-DUP2 | QC | 06/29/20 15:35 | 0.2 | 0.2 | | A0F0647-01 | | | | | | | |
| | A0F0647-02 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | PDI-149SC-A-02-03-200425 | | | | |
| | A0F0647-03 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | PDI-150SC-A-08-09-200425 | | | | |
| | A0F0647-04 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | PDI-150SC-A-09-10-200425 | | | | |
| | A0F0667-01 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | PDI-063SC-A-06-07-200429 | | | | |
| | A0F0667-02 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | PDI-063SC-A-07-08-200429 | | | | |
| | A0F0670-01 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | PDI-166SC-A-08-09-200520 | | | | |
| | A0F0670-02 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | PDI-166SC-A-09-10-200520 | | | | |
| | A0F0670-03 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | PDI-166SC-A-10-11.2-200520 | | | | |
| | A0F0685-01 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | B-111-47 | | | | |
| | A0F0685-03 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | B-108-26 | | | | |
| | A0F0704-01 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | B-104-30 | | | | |
| | 0060932-DUP3 | QC | 06/29/20 15:35 | 0.2 | 0.2 | | A0F0704-01 | | | | | | | |
| | A0F0704-03 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | B-104-36 | | | | |
| | A0F0704-05 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | B-103-25 | | | | |
| | A0F0704-07 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | B-103-42 | | | | |

Prepared By: MAS Date: 6/29/20

Reviewed By: AM Date: 7/6/2020

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060932 (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 | 7.5 | >11 |
| | A0F0704-09 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | AB-5-12 | | | | |
| | A0F0704-11 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | AB-5-26 | | | | |
| | A0F0704-13 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | B-101-11 | | | | |
| | A0F0704-15 | A Total Organic Carbon - Soil (5310 B) | 06/29/20 15:35 | 0.2 | 0.2 | | | | | B-101-46 | | | | |

Standards/Reagents

| Reagent(s) | | | Analyte Spike(s) | | | Surrogate(s) | | |
|------------|-----------|-------------------------|------------------|-----------|-------------------------|--------------|-----------|-------------|
| Std ID | Exp. Date | Description | Std ID | Exp. Date | Description | Std ID | Exp. Date | Description |
| A13L220 | 11/30/23 | Wet Chem Balance 1 | A20E110 | 11/08/20 | TOC 10k ppm secondary ✓ | | | |
| A19J023 | 11/30/23 | Wet Chem Balance 4 | | | | | | |
| A19J145 | 05/30/22 | TOC Soil Blank Matrix ✓ | | | | | | |
| A19K369 | 11/27/24 | VWR002V | | | | | | |
| A20F100 | 12/08/20 | 10% Phosphoric Acid | | | | | | |

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0G02035 ✓
Date: 07/02/20 10:12

Instrument: TOC6
Calibration: A0F1203 ✓

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|---------------|----------|--------------------------------------|-----------------|----------|---------|---------|-----------|
| 1 | 0G02035-CCV1 | Sediment | QC | QC | | | | A20G032 ✓ |
| 2 | 0G02035-CCB1 | Sediment | QC | QC | | | | |
| 3 | 0060932-BLK1 | Soil | QC | QC | | 0060932 | | |
| 4 | 0060932-BS1 | Soil | QC | QC | | 0060932 | | |
| 5 | A0F0647-01 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 07/08/20 | 0060932 | | |
| 6 | 0060932-DUP1 | Soil | QC | QC | | 0060932 | | |
| 7 | 0060932-DUP2 | Soil | QC | QC | | 0060932 | | |
| 8 | A0F0647-02 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 07/08/20 | 0060932 | | |
| 9 | A0F0647-03 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 07/08/20 | 0060932 | | |
| 10 | A0F0647-04 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 07/08/20 | 0060932 | | |
| 11 | A0F0667-01 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 07/08/20 | 0060932 | | |
| 12 | A0F0667-02 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 07/08/20 | 0060932 | | |
| 13 | 0G02035-CCV2 | Sediment | QC | QC | | | | A20G032 ✓ |
| 14 | 0G02035-CCB2 | Sediment | QC | QC | | | | |
| 15 | A0F0670-01 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 07/08/20 | 0060932 | | |
| 16 | A0F0670-02 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 07/08/20 | 0060932 | | |
| 17 | A0F0670-03 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 07/08/20 | 0060932 | | |
| 18 | A0F0685-01 | Soil | Total Organic Carbon - Soil (5310 B) | | 07/09/20 | 0060932 | | |
| 19 | A0F0685-03 | Soil | Total Organic Carbon - Soil (5310 B) | | 07/09/20 | 0060932 | | |
| 20 | A0F0704-01 | Soil | Total Organic Carbon - Soil (5310 B) | | 07/08/20 | 0060932 | | |
| 21 | 0060932-DUP3 | Soil | QC | QC | | 0060932 | | |
| 22 | A0F0704-03 | Soil | Total Organic Carbon - Soil (5310 B) | | 07/08/20 | 0060932 | | |
| 23 | A0F0704-05 | Soil | Total Organic Carbon - Soil (5310 B) | | 07/08/20 | 0060932 | | |
| 24 | A0F0704-07 | Soil | Total Organic Carbon - Soil (5310 B) | | 07/08/20 | 0060932 | | |
| 25 | 0G02035-CCV3 | Sediment | QC | QC | | | | A20G032 ✓ |
| 26 | 0G02035-CCB3 | Sediment | QC | QC | | | | |
| 27 | A0F0704-09 | Soil | Total Organic Carbon - Soil (5310 B) | | 07/08/20 | 0060932 | | |
| 28 | A0F0704-11 | Soil | Total Organic Carbon - Soil (5310 B) | | 07/08/20 | 0060932 | | |
| 29 | A0F0704-13 | Soil | Total Organic Carbon - Soil (5310 B) | | 07/08/20 | 0060932 | | |
| 30 | A0F0704-15 | Soil | Total Organic Carbon - Soil (5310 B) | | 07/08/20 | 0060932 | | |
| 31 | A0F0658-05RE1 | Sediment | Total Organic Carbon - Sediment (PSI | | 07/09/20 | 0060933 | | |
| 32 | A0F0658-06RE1 | Sediment | Total Organic Carbon - Sediment (PSI | | 07/09/20 | 0060933 | | |
| 33 | A0F0658-10RE1 | Sediment | Total Organic Carbon - Sediment (PSI | | 07/09/20 | 0060933 | | |
| 34 | 0G02035-CCV4 | Sediment | QC | QC | | | | A20G032 ✓ |
| 35 | 0G02035-CCB4 | Sediment | QC | QC | | | | |

Comments:

Data Entered By/Date: AMB 7/6/20

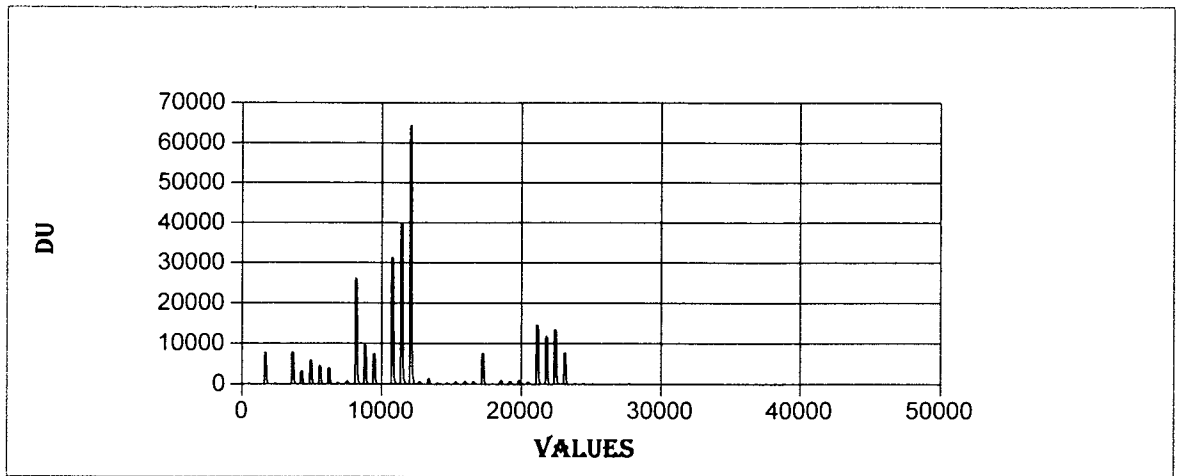
Data Reviewed By/Date: AMB 7/6/2020

Method: TCDirect Run Start Time: 7/2/2020 4:51:54 PM
 Method Type: TC_DIRECT Run End Time: 7/3/2020 5:17:55 AM
 Table: 0G02035 Device ID: TOC6
 Analyst: Administrator Run Name: SN10020200702A1

| Cup Position | Sample ID | Weight (mg) | Final Result (mg/kg) | Result mg C abs | Peak Area | Analysed Date and time |
|--------------|---------------|---------------|----------------------|-----------------|-------------|------------------------|
| A99 | Prime | 200 | 65.699 | 0.013 | 8603.045 | 7/2/2020 4:52:09 PM |
| A2 | Blank | 200 | 0 | 0 | 0 | 7/2/2020 5:03:03 PM |
| A1 | 0G02035-CCV1 | 200 | 10685.814 ✓ | 2.137 | 1399270.32 | 7/2/2020 5:13:57 PM |
| A2 | 0G02035-CCB1 | 200 | 51.239 ✓ | 0.01 | 6709.6 | 7/2/2020 5:24:44 PM |
| A3 | 0060932-BLK1 | 211.5 | 51.493 ✓ | 0.011 | 7130.555 | 7/2/2020 5:35:31 PM |
| A4 | 0060932-BS1 | 200 | 10254.091 ✓ | 2.051 | 1342737.725 | 7/2/2020 5:46:18 PM |
| A5 | A0F0647-01 | 203.4 | 4127.344 ✓ | 0.84 | 549649.24 | 7/2/2020 5:57:05 PM |
| A6 | 0060932-DUP1 | 204.1 | 7467.559 ✓ | 1.524 | 997896.95 | 7/2/2020 6:07:52 PM |
| A7 | 0060932-DUP2 | 201.7 | 5828.685 ✓ | 1.176 | 769733.73 | 7/2/2020 6:18:39 PM |
| A8 | A0F0647-02 | 202 | 5100.363 ✓ | 1.03 | 674553.64 | 7/2/2020 6:29:26 PM |
| A9 | A0F0647-03 | 200.2 | 461.426 ✓ | 0.092 | 60482.59 | 7/2/2020 6:40:13 PM |
| A10 | A0F0647-04 | 204.4 | 923.321 ✓ | 0.189 | 123565.59 | 7/2/2020 6:51:00 PM |
| A11 | A0F0667-01 | 51.2 | 131198.24 ✓ | 6.717 | 4398068.445 | 7/2/2020 7:01:47 PM |
| A12 | A0F0667-02 | 204.5 | 11958.916 ✓ | 2.446 | 1601213.19 | 7/2/2020 7:12:34 PM |
| A13 | 0G02035-CCV2 | 200 | 9810.984 ✓ | 1.962 | 1284714.39 | 7/2/2020 7:23:21 PM |
| A2 | 0G02035-CCB2 | 200 | 64.587 ✓ | 0.013 | 8457.5 | 7/2/2020 7:34:08 PM |
| A14 | A0F0670-01 | 200.7 | 40095.407 ✓ | 8.047 | 5268730.86 | 7/2/2020 7:45:02 PM |
| A15 | A0F0670-02 | 203.3 | 50407.464 ✓ | 10.248 | 6709594.015 | 7/2/2020 7:55:57 PM |
| A16 | A0F0670-03 | 202.3 | 81889.019 ✓ | 16.566 | 10846398.74 | 7/2/2020 8:06:44 PM |
| A17 | A0F0685-01 | 202.8 | 824.472 ✓ | 0.167 | 109473.28 | 7/2/2020 8:17:31 PM |
| A18 | A0F0685-03 | 203.1 | 1796.975 ✓ | 0.365 | 238954.865 | 7/2/2020 8:28:18 PM |
| A19 | A0F0704-01 | 204.6 | 422.886 ✓ | 0.087 | 56649.055 | 7/2/2020 8:39:05 PM |
| A20 | 0060932-DUP3 | 202.5 | 353.091 ✓ | 0.072 | 46813.95 | 7/2/2020 8:49:52 PM |
| A21 | A0F0704-03 | 204.8 | 764.646 ✓ | 0.157 | 102530.845 | 7/2/2020 9:00:39 PM |
| A22 | A0F0704-05 | 203.1 | 875.803 ✓ | 0.178 | 116461.01 | 7/2/2020 9:11:26 PM |
| A23 | A0F0704-07 | 201.6 | 888.696 ✓ | 0.179 | 117302.69 | 7/2/2020 9:22:13 PM |
| A24 | 0G02035-CCV3 | 200 | 9971.074 ✓ | 1.994 | 1305677.585 | 7/2/2020 9:33:00 PM |
| A2 | 0G02035-CCB3 | 200 | 52.634 ✓ | 0.011 | 6892.25 | 7/2/2020 9:43:47 PM |
| A25 | A0F0704-09 | 203 | 1160.159 ✓ | 0.236 | 154197.535 | 7/2/2020 9:54:41 PM |
| A26 | A0F0704-11 | 204.1 | 915.702 ✓ | 0.187 | 122366.07 | 7/2/2020 10:05:35 PM |
| A27 | A0F0704-13 | 204.3 | 1116.292 ✓ | 0.228 | 149317.33 | 7/2/2020 10:16:22 PM |
| A28 | A0F0704-15 | 203.5 | 653.137 ✓ | 0.133 | 87022.71 | 7/2/2020 10:27:09 PM |
| A29 | A0F0658-05RE1 | 101 | 37442.378 | 3.782 | 2475989.56 | 7/2/2020 10:37:56 PM |

RR-2
 7/16/2020
 RR-2
 7/16/2020
 RR-3

| | | | | | | |
|------|---------------|-------|------------------|-------|-------------|----------------------|
| A30 | A0F0658-06RE1 | 101 | 30209.306 | 3.051 | 1997681 | 7/2/2020 10:48:44 PM |
| A31 | A0F0658-10RE1 | 101.1 | 34344.798 | 3.472 | 2273401.495 | 7/2/2020 10:59:34 PM |
| A32 | OG02035-CCV4 | 200 | 10216.587- | 2.043 | 1337826.65 | 7/2/2020 11:10:24 PM |
| A2 | OG02035-CCB4 | 200 | 65.407 - | 0.013 | 8564.78 | 7/2/2020 11:21:13 PM |
| A70 | Clean70 | 200 | 79.059 <i>mk</i> | 0.016 | 10352.46 | 7/2/2020 11:32:10 PM |
| A71 | Clean71 | 200 | 37.269 | 0.007 | 4880.19 | 7/2/2020 11:43:09 PM |
| A72 | Clean72 | 200 | 35.639 | 0.007 | 4666.78 | 7/2/2020 11:54:14 PM |
| A73 | Clean73 | 200 | 58.34 | 0.012 | 7639.41 | 7/3/2020 12:05:07 AM |
| A74 | Clean74 | 200 | 61.426 | 0.012 | 8043.47 | 7/3/2020 12:16:00 AM |
| A75 | Clean75 | 200 | 60.865 | 0.012 | 7970.1 | 7/3/2020 12:26:58 AM |
| A76 | Clean76 | 200 | 51.988 | 0.01 | 6807.6 | 7/3/2020 12:37:55 AM |
| A77 | Clean77 | 200 | 35.515 | 0.007 | 4650.6 | 7/3/2020 12:48:52 AM |
| A78 | Clean78 | 200 | 56.414 | 0.011 | 7387.17 | 7/3/2020 12:59:46 AM |
| A79 | Clean79 | 200 | 67.151 | 0.013 | 8793.215 | 7/3/2020 1:10:45 AM |
| A80 | Clean80 | 200 | 63.559 | 0.013 | 8322.81 | 7/3/2020 1:21:38 AM |
| A81 | Clean81 | 200 | 56.536 | 0.011 | 7403.145 | 7/3/2020 1:32:36 AM |
| A82 | Clean82 | 200 | 65.171 | 0.013 | 8533.91 | 7/3/2020 1:43:29 AM |
| A83 | Clean83 | 200 | 49.442 | 0.01 | 6474.32 | 7/3/2020 1:54:27 AM |
| A84 | Clean84 | 200 | 69.156 | 0.014 | 9055.755 | 7/3/2020 2:05:20 AM |
| A85 | Clean85 | 200 | 78.37 | 0.016 | 10262.32 | 7/3/2020 2:16:18 AM |
| A86 | Clean86 | 200 | 55.601 | 0.011 | 7280.715 | 7/3/2020 2:27:15 AM |
| A87 | Clean87 | 200 | 27.057 | 0.005 | 3543.075 | 7/3/2020 2:38:14 AM |
| A88 | Clean88 | 200 | 53.737 | 0.011 | 7036.67 | 7/3/2020 2:49:13 AM |
| A89 | Clean89 | 200 | 101.995 | 0.02 | 13355.83 | 7/3/2020 3:00:06 AM |
| A90 | Clean90 | 200 | 92.945 | 0.019 | 12170.85 | 7/3/2020 3:10:59 AM |
| A91 | Clean91 | 200 | 44.84 | 0.009 | 5871.705 | 7/3/2020 3:21:57 AM |
| A92 | Clean92 | 200 | 56.476 | 0.011 | 7395.345 | 7/3/2020 3:32:59 AM |
| A93 | Clean93 | 200 | 53.015 | 0.011 | 6942.09 | 7/3/2020 3:44:00 AM |
| A94 | Clean94 | 200 | 40.732 | 0.008 | 5333.775 | 7/3/2020 3:54:58 AM |
| A95 | Clean95 | 200 | 56.383 | 0.011 | 7383.16 | 7/3/2020 4:05:55 AM |
| A96 | Clean96 | 200 | 22.716 | 0.005 | 2974.58 | 7/3/2020 4:16:53 AM |
| A97 | Clean97 | 200 | 60.114 | 0.012 | 7871.69 | 7/3/2020 4:27:55 AM |
| A98 | Clean98 | 200 | 43.317 | 0.009 | 5672.155 | 7/3/2020 4:38:56 AM |
| A99 | Clean99 | 200 | 0 | 0 | 0 | 7/3/2020 4:49:54 AM |
| A100 | Clean100 | 200 | 74.974 | 0.015 | 9817.605 | 7/3/2020 5:00:52 AM |



SNACCESS

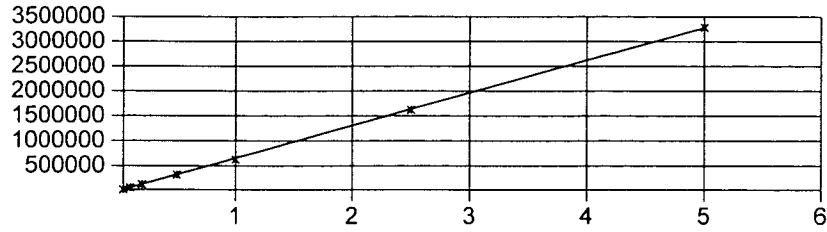
Handwritten: 2/16/2020

RUN NAME : SN10020200612A2 METHOD NAME : TCDIRECT CALIBRATION TYPE : I

ORDER FORCED THRO ZERO GROUP : 1

A = 0.0000000000000000 B = 654732.67362587400000 R = 0.99996410015350 R-

SQUARED = 0.99990924197382



Batch 0060932

Sample Drying

Analyst AMB

TOC conversion from dried @ 70 °C to "as received"

Sequence: 06.02.035

Analyst: AMB

| Sample ID | Tare (g) | initial + tare(g) | dried + tare(g) | correction factor | Skalar TOC (mg/kg) | Result for Element |
|--------------------------|----------|-------------------|-----------------|-------------------|--------------------|--------------------|
| A0F0589-27 | 1.2592 | 9.2090 | 7.0911 | 0.7336 | 7185.2 | 5271.0 |
| A0F0658-02 | 1.2472 | 7.1593 | 6.1950 | 0.8369 | 399.7 | 334.5 |
| A0F0658-03 | 1.2594 | 15.1610 | 13.7780 | 0.9005 | 442.5 | 398.5 |
| A0F0658-04 | 1.2529 | 7.2664 | 5.9275 | 0.7774 | 271.3 | 210.9 |
| 0060933-DUP1 | 1.2651 | 9.0372 | 7.3049 | 0.7771 | 277.8 | 215.9 |
| A0F0658-05 | 1.2560 | 9.2937 | 7.4682 | 0.7729 | 36038.0 | 27853.1 |
| A0F0658-06 | 1.2837 | 9.1034 | 7.4902 | 0.7937 | 26444.0 | 20988.6 |
| A0F0658-07 | 1.2564 | 12.0106 | 8.7493 | 0.6967 | 12764.5 | 8893.6 |
| A0F0658-09 | 1.2588 | 6.8738 | 4.6565 | 0.6051 | 17135.8 | 10369.0 |
| A0F0658-10 | 1.2517 | 8.2874 | 6.3200 | 0.7204 | 34578.8 | 24909.5 |
| A0F0693-01 | 1.2684 | 7.3026 | 4.7896 | 0.5835 | 8726.7 | 5092.4 |
| A0F0693-02 | 1.2629 | 6.6029 | 5.6639 | 0.8242 | 5193.0 | 4279.8 |
| A0F0693-03 | 1.2567 | 15.6300 | 14.0638 | 0.8910 | 10328.8 | 9203.3 |
| A0F0693-04 | 1.2645 | 7.3793 | 5.9561 | 0.7673 | 1800.8 | 1381.6 |
| A0F0693-05 | 1.2675 | 6.4021 | 3.6060 | 0.4554 | 33560.0 | 15284.6 |
| A0F0693-06 | 1.2542 | 6.8002 | 5.9568 | 0.8479 | 744.2 | 631.1 |
| A0F0693-07 | 1.2725 | 7.4516 | 5.6143 | 0.7027 | 4998.1 | 3511.9 |
| 0060933-DUP2 | 1.2586 | 9.1540 | 6.8861 | 0.7128 | 5073.9 | 3616.5 |
| 0060933-DUP3 | 1.2586 | 9.1540 | 6.8861 | 0.7128 | 6341.5 | 4519.9 |
| A0F0693-08 | 1.2695 | 7.1079 | 5.0996 | 0.6560 | 7316.7 | 4799.9 |
| A0F0589-18RE1 | 1.2568 | 6.2222 | 4.1250 | 0.5776 | 23075.6 | 13329.3 |
| A0F0658-05RE1 | 1.2560 | 9.2937 | 7.4682 | 0.7729 | 37442.3780 | 28938.6 |
| A0F0658-06RE1 | 1.2837 | 9.1034 | 7.4902 | 0.7937 | 30209.3060 | 23977.1 |
| A0F0658-10RE1 | 1.2517 | 8.2874 | 6.3200 | 0.7204 | 34344.7980 | 24740.9 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

AMB
7/16/2020

prv.
7/16/2020

**Conventional Chemistry Parameters
Calibration Data**

Sequence 0F12047 (Cal ID A0F1203) TOC6



ELEMENT SEQUENCE LOG

Apex Laboratories

JUN 17 2020

Sequence: **0F12047**
Date: **06/12/20 18:48**

Instrument: **TOC6**
Calibration: **A0F1203**

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|--------------|----------|----------|--------|-----|-------|---------|---------|
| 1 | 0F12047-CAL1 | Sediment | QC | QC | | | | |
| 2 | 0F12047-CAL2 | Sediment | QC | QC | | | | A20F046 |
| 3 | 0F12047-CAL3 | Sediment | QC | QC | | | | A20F047 |
| 4 | 0F12047-CAL4 | Sediment | QC | QC | | | | A20F048 |
| 5 | 0F12047-CAL5 | Sediment | QC | QC | | | | A20F049 |
| 6 | 0F12047-CAL6 | Sediment | QC | QC | | | | A20F050 |
| 7 | 0F12047-CAL7 | Sediment | QC | QC | | | | A20F051 |
| 8 | 0F12047-CAL8 | Sediment | QC | QC | | | | A20F052 |
| 9 | 0F12047-CAL9 | Sediment | QC | QC | | | | A20F053 |
| 10 | 0F12047-ICV1 | Sediment | QC | QC | | | | A20E110 |
| 11 | 0F12047-ICB1 | Sediment | QC | QC | | | | |

*- not used in Cal.
CMM
6/11/2020*

Data Entered By/Date: *CMM 6/15/2020*

Comments: *PKalar IO SN 10020200612A
CMM
6/15/2020*

Data Reviewed By/Date: *ALF 6/15/20*

Method: TCDirect Run Start Time: 6/12/2020 6:56:09 P
 Method Type: TC_DIRECT Run End Time: 6/13/2020 3:51:09 P
 Table: OF12047 Device ID: TOC6
 Analyst: Administrator Run Name: SN10020200612A2

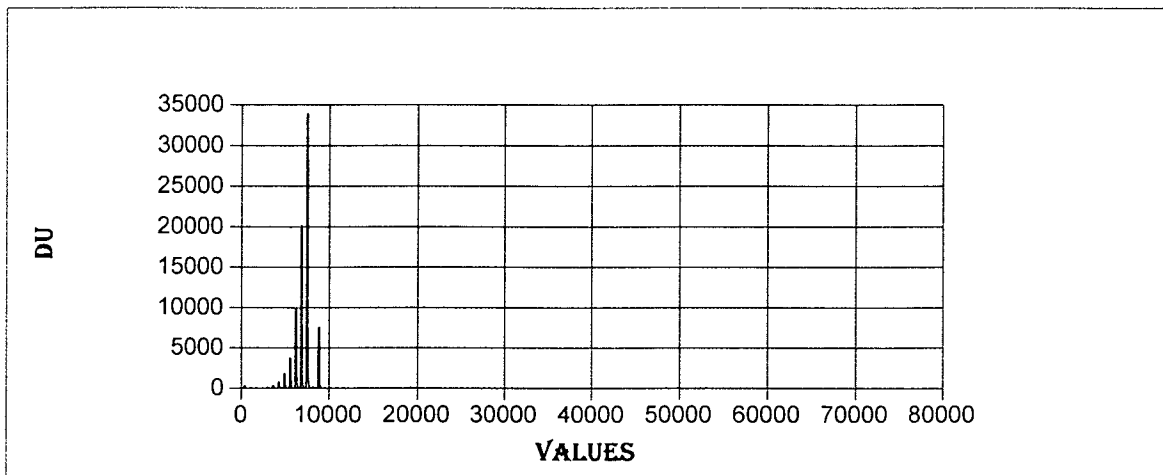
| Cup Position | Sample ID | Weight (mg) | Final Result (mg/kg) | Result mg C abs | Peak Area | Analysed Date and time |
|--------------|--------------|---------------|----------------------|-----------------|-------------|------------------------|
| A98 | prime | 200 | 453.85 | 0.091 | 59430.11 | 6/12/2020 6:56:19 PM |
| A1 | blank | 200 | 26.221 | 0.005 | 3433.49 | 6/12/2020 7:07:20 PM |
| A11 | blank | 200 | 0 | 0 | 0 | 6/12/2020 7:18:15 PM |
| A1 | OF12047-CAL1 | 200 | 0 | 0 | 0 | 6/12/2020 7:29:08 PM |
| A2 | OF12047-CAL2 | 40 | 1046.084 | 0.042 | 27396.22 | 6/12/2020 7:40:01 PM |
| A3 | OF12047-CAL3 | 100 | 986.71 | 0.099 | 64603.16 | 6/12/2020 7:50:47 PM |
| A4 | OF12047-CAL4 | 200 | 1006.529 | 0.201 | 131801.52 | 6/12/2020 8:01:34 PM |
| A5 | OF12047-CAL5 | 50 | 9869.864 | 0.493 | 323106.12 | 6/12/2020 8:12:20 PM |
| A6 | OF12047-CAL6 | 100 | 9651.095 | 0.965 | 631888.745 | 6/12/2020 8:23:06 PM |
| A7 | OF12047-CAL7 | 250 | 9930.506 | 2.483 | 1625456.72 | 6/12/2020 8:33:53 PM |
| A8 | OF12047-CAL8 | 500 | 10032.55 | 5.016 | 3284319.205 | 6/12/2020 8:44:39 PM |
| A9 | OF12047-CAL9 | 1000 | 8374.312 | 8.374 | 5482935.96 | 6/12/2020 8:55:25 PM |
| A97 | OF12047-IBL1 | 200 | 223.681 | 0.045 | 29290.2 | 6/12/2020 9:06:11 PM |
| A10 | OF12047-ICV1 | 200 | 9611.006 | 1.922 | 1258527.955 | 6/12/2020 9:17:12 PM |
| A11 | OF12047-ICB1 | 200 | 83.059 | 0.017 | 10876.28 | 6/12/2020 9:28:05 PM |
| A2 | clean2 | 200 | 42.567 | 0.009 | 5573.96 | 6/12/2020 9:38:51 PM |
| A3 | clean3 | 200 | 34.177 | 0.007 | 4475.31 | 6/12/2020 9:49:45 PM |
| A4 | clean4 | 200 | 28.621 | 0.006 | 3747.825 | 6/12/2020 10:00:31 PM |
| A5 | clean5 | 200 | 24.911 | 0.005 | 3262.01 | 6/12/2020 10:11:17 PM |
| A6 | clean6 | 200 | 34.578 | 0.007 | 4527.87 | 6/12/2020 10:22:03 PM |
| A7 | clean7 | 200 | 87.966 | 0.018 | 11518.81 | 6/12/2020 10:32:50 PM |
| A8 | clean8 | 200 | 64.125 | 0.013 | 8396.99 | 6/12/2020 10:43:36 PM |
| A9 | clean9 | 200 | 46.767 | 0.009 | 6123.975 | 6/12/2020 10:54:23 PM |
| A10 | clean10 | 200 | 77.364 | 0.015 | 10130.56 | 6/12/2020 11:05:09 PM |
| A11 | clean11 | 200 | 0 | 0 | 0 | 6/12/2020 11:15:55 PM |
| A12 | clean12 | 200 | 44.373 | 0.009 | 5810.485 | 6/12/2020 11:26:42 PM |
| A13 | clean13 | 200 | 31.964 | 0.006 | 4185.61 | 6/12/2020 11:37:28 PM |
| A14 | clean14 | 200 | 70.487 | 0.014 | 9230.02 | 6/12/2020 11:48:15 PM |
| A15 | clean15 | 200 | 36.199 | 0.007 | 4740.165 | 6/12/2020 11:59:02 PM |
| A16 | clean16 | 200 | 114.512 | 0.023 | 14994.95 | 6/13/2020 12:09:49 AM |
| A17 | clean17 | 200 | 33.567 | 0.007 | 4395.46 | 6/13/2020 12:20:36 AM |
| A18 | clean18 | 200 | 100.617 | 0.02 | 13175.47 | 6/13/2020 12:31:23 AM |
| A19 | clean19 | 200 | 27.591 | 0.006 | 3612.93 | 6/13/2020 12:42:10 AM |

Handwritten notes:
 6/11/2020
 10.0002 = 210
 = 495
 = 1005
 = 2465
 = 4825
 = 12415
 = 25080
 Not used = 41875
 6/11/2020

| | | | | | | |
|-----|---------|-----|--------|-------|----------|-----------------------|
| A20 | clean20 | 200 | 25.074 | 0.005 | 3283.365 | 6/13/2020 12:52:57 AM |
| A21 | clean21 | 200 | 44.433 | 0.009 | 5818.305 | 6/13/2020 1:03:43 AM |
| A22 | clean22 | 200 | 29.612 | 0.006 | 3877.545 | 6/13/2020 1:14:30 AM |
| A23 | clean23 | 200 | 25.004 | 0.005 | 3274.16 | 6/13/2020 1:25:17 AM |
| A24 | clean24 | 200 | 25.73 | 0.005 | 3369.22 | 6/13/2020 1:36:04 AM |
| A25 | clean25 | 200 | 41.186 | 0.008 | 5393.15 | 6/13/2020 1:46:50 AM |
| A26 | clean26 | 200 | 36.037 | 0.007 | 4718.87 | 6/13/2020 1:57:37 AM |
| A27 | clean27 | 200 | 25.653 | 0.005 | 3359.2 | 6/13/2020 2:08:25 AM |
| A28 | clean28 | 200 | 19.863 | 0.004 | 2601.02 | 6/13/2020 2:19:11 AM |
| A29 | clean29 | 200 | 23.764 | 0.005 | 3111.82 | 6/13/2020 2:29:58 AM |
| A30 | clean30 | 200 | 20.949 | 0.004 | 2743.26 | 6/13/2020 2:40:45 AM |
| A31 | clean31 | 200 | 24.147 | 0.005 | 3162.005 | 6/13/2020 2:51:32 AM |
| A32 | clean32 | 200 | 20.595 | 0.004 | 2696.875 | 6/13/2020 3:02:19 AM |
| A33 | clean33 | 200 | 23.665 | 0.005 | 3098.89 | 6/13/2020 3:13:06 AM |
| A34 | clean34 | 200 | 28.882 | 0.006 | 3782.025 | 6/13/2020 3:23:54 AM |
| A35 | clean35 | 200 | 0 | 0 | 0 | 6/13/2020 3:34:40 AM |
| A36 | clean36 | 200 | 44.626 | 0.009 | 5843.595 | 6/13/2020 3:45:27 AM |
| A37 | clean37 | 200 | 19.638 | 0.004 | 2571.495 | 6/13/2020 3:56:14 AM |
| A38 | clean38 | 200 | 21.878 | 0.004 | 2864.83 | 6/13/2020 4:07:01 AM |
| A39 | clean39 | 200 | 25.279 | 0.005 | 3310.24 | 6/13/2020 4:17:48 AM |
| A40 | clean40 | 200 | 25.911 | 0.005 | 3392.95 | 6/13/2020 4:28:35 AM |
| A41 | clean41 | 200 | 26.379 | 0.005 | 3454.26 | 6/13/2020 4:39:22 AM |
| A42 | clean42 | 200 | 31.203 | 0.006 | 4085.91 | 6/13/2020 4:50:23 AM |
| A43 | clean43 | 200 | 19.855 | 0.004 | 2599.92 | 6/13/2020 5:01:17 AM |
| A44 | clean44 | 200 | 30.656 | 0.006 | 4014.29 | 6/13/2020 5:12:11 AM |
| A45 | clean45 | 200 | 29.298 | 0.006 | 3836.48 | 6/13/2020 5:23:05 AM |
| A46 | clean46 | 200 | 20.438 | 0.004 | 2676.23 | 6/13/2020 5:33:59 AM |
| A47 | clean47 | 200 | 35.044 | 0.007 | 4588.88 | 6/13/2020 5:44:54 AM |
| A48 | clean48 | 200 | 32.419 | 0.006 | 4245.11 | 6/13/2020 5:55:48 AM |
| A49 | clean49 | 200 | 38.954 | 0.008 | 5100.92 | 6/13/2020 6:06:43 AM |
| A50 | clean50 | 200 | 18.247 | 0.004 | 2389.34 | 6/13/2020 6:17:38 AM |
| A51 | clean51 | 200 | 23.7 | 0.005 | 3103.44 | 6/13/2020 6:28:33 AM |
| A52 | clean52 | 200 | 43.793 | 0.009 | 5734.595 | 6/13/2020 6:39:28 AM |
| A53 | clean53 | 200 | 18.501 | 0.004 | 2422.69 | 6/13/2020 6:50:21 AM |
| A54 | clean54 | 200 | 34.99 | 0.007 | 4581.76 | 6/13/2020 7:01:11 AM |
| A55 | clean55 | 200 | 15.414 | 0.003 | 2018.375 | 6/13/2020 7:12:05 AM |
| A56 | clean56 | 200 | 29.155 | 0.006 | 3817.77 | 6/13/2020 7:22:59 AM |
| A57 | clean57 | 200 | 20.275 | 0.004 | 2654.92 | 6/13/2020 7:33:54 AM |
| A58 | clean58 | 200 | 24.978 | 0.005 | 3270.84 | 6/13/2020 7:44:48 AM |

| | | | | | | |
|-----|---------|-----|--------|-------|----------|-----------------------|
| A59 | clean59 | 200 | 21.11 | 0.004 | 2764.225 | 6/13/2020 7:55:42 AM |
| A60 | clean60 | 200 | 25.696 | 0.005 | 3364.755 | 6/13/2020 8:06:36 AM |
| A61 | clean61 | 200 | 65.651 | 0.013 | 8596.76 | 6/13/2020 8:17:30 AM |
| A62 | clean62 | 200 | 22.461 | 0.004 | 2941.185 | 6/13/2020 8:28:23 AM |
| A63 | clean63 | 200 | 23.033 | 0.005 | 3016.15 | 6/13/2020 8:39:17 AM |
| A64 | clean64 | 200 | 0 | 0 | 0 | 6/13/2020 8:50:12 AM |
| A65 | clean65 | 200 | 0 | 0 | 0 | 6/13/2020 9:01:07 AM |
| A66 | clean66 | 200 | 33.276 | 0.007 | 4357.42 | 6/13/2020 9:12:02 AM |
| A67 | clean67 | 200 | 17.429 | 0.003 | 2282.29 | 6/13/2020 9:22:55 AM |
| A68 | clean68 | 200 | 26.367 | 0.005 | 3452.725 | 6/13/2020 9:33:49 AM |
| A69 | clean69 | 200 | 53.205 | 0.011 | 6967 | 6/13/2020 9:44:43 AM |
| A70 | clean70 | 200 | 32.531 | 0.007 | 4259.835 | 6/13/2020 9:55:38 AM |
| A71 | clean71 | 200 | 39.559 | 0.008 | 5180.175 | 6/13/2020 10:06:32 AM |
| A72 | clean72 | 200 | 20.88 | 0.004 | 2734.14 | 6/13/2020 10:17:33 AM |
| A73 | clean73 | 200 | 29.788 | 0.006 | 3900.685 | 6/13/2020 10:28:27 AM |
| A74 | clean74 | 200 | 21.963 | 0.004 | 2876.01 | 6/13/2020 10:39:20 AM |
| A75 | clean75 | 200 | 0 | 0 | 0 | 6/13/2020 10:50:15 AM |
| A76 | clean76 | 200 | 28.171 | 0.006 | 3688.935 | 6/13/2020 11:01:09 AM |
| A77 | clean77 | 200 | 18.394 | 0.004 | 2408.635 | 6/13/2020 11:12:03 AM |
| A78 | clean78 | 200 | 21.359 | 0.004 | 2796.915 | 6/13/2020 11:22:57 AM |
| A79 | clean79 | 200 | 27.365 | 0.005 | 3583.35 | 6/13/2020 11:33:51 AM |
| A80 | clean80 | 200 | 26.809 | 0.005 | 3510.515 | 6/13/2020 11:44:45 AM |
| A81 | clean81 | 200 | 35.897 | 0.007 | 4700.635 | 6/13/2020 11:55:38 AM |
| A82 | clean82 | 200 | 18.717 | 0.004 | 2450.895 | 6/13/2020 12:06:32 PM |
| A83 | clean83 | 200 | 27.338 | 0.005 | 3579.76 | 6/13/2020 12:17:27 PM |
| A84 | clean84 | 200 | 22.516 | 0.005 | 2948.34 | 6/13/2020 12:28:21 PM |
| A85 | clean85 | 200 | 32.224 | 0.006 | 4219.615 | 6/13/2020 12:39:15 PM |
| A86 | clean86 | 200 | 39.467 | 0.008 | 5168.09 | 6/13/2020 12:50:09 PM |
| A87 | clean87 | 200 | 26.503 | 0.005 | 3470.52 | 6/13/2020 1:01:02 PM |
| A88 | clean88 | 200 | 35.237 | 0.007 | 4614.1 | 6/13/2020 1:11:55 PM |
| A89 | clean89 | 200 | 33.581 | 0.007 | 4397.32 | 6/13/2020 1:22:48 PM |
| A90 | clean90 | 200 | 40.785 | 0.008 | 5340.62 | 6/13/2020 1:33:44 PM |
| A91 | clean91 | 200 | 30.827 | 0.006 | 4036.655 | 6/13/2020 1:44:40 PM |
| A92 | clean92 | 200 | 27.587 | 0.006 | 3612.48 | 6/13/2020 1:55:42 PM |
| A93 | clean93 | 200 | 23.897 | 0.005 | 3129.23 | 6/13/2020 2:06:42 PM |
| A94 | clean94 | 200 | 34.201 | 0.007 | 4478.53 | 6/13/2020 2:17:44 PM |
| A95 | clean95 | 200 | 25.22 | 0.005 | 3302.53 | 6/13/2020 2:28:45 PM |
| A96 | clean96 | 200 | 26.398 | 0.005 | 3456.79 | 6/13/2020 2:39:45 PM |
| A97 | clean97 | 200 | 0 | 0 | 0 | 6/13/2020 2:50:45 PM |

| | | | | | | |
|------|----------|-----|--------|-------|----------|----------------------|
| A98 | clean98 | 200 | 56.915 | 0.011 | 7452.8 | 6/13/2020 3:01:46 PM |
| A99 | clean99 | 200 | 0 | 0 | 0 | 6/13/2020 3:12:43 PM |
| A100 | clean100 | 200 | 24.573 | 0.005 | 3217.78 | 6/13/2020 3:23:40 PM |
| A75 | clean75 | 200 | 46.699 | 0.009 | 6115.115 | 6/13/2020 3:34:42 PM |

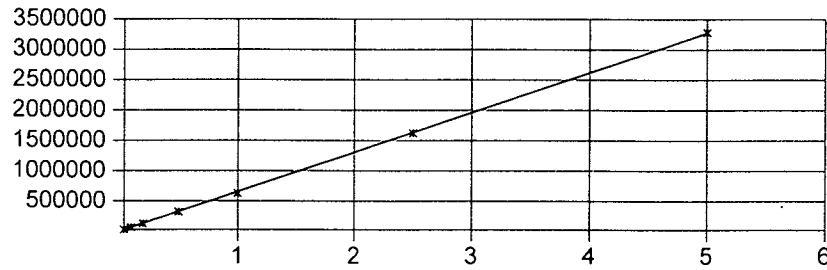


SNACCESS

METHOD NAME : TCDIRECT CALIBRATION TYPE : 1 ORDER FORCED THRO ZERO GROUP : 1

A = 0.0000000000000000 B = 654732.67362587400000 R = 0.99996410015350 R-

SQUARED = 0.99990924197382



**Total Solids by SM2540G
Benchsheet Data**

Batch 0060850 (A0F0647-01,02,03,04)

Percent Solids + Dry Weight Worksheet

BATCH #: 0060850 (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 |
|--------------|------------------------|--------------|--------------------|--------------------|--------------|------------------------|------------------------|-----------------|---|
| A0F0647-01 | Dry Weight | | 06/25/20 15:21 | | 1.2573 ✓ | 29.9445 ✓ | 24.4669 ✓ | 80.9 ✓ | Use Results from TS.. Make NR once completed. |
| A0F0647-01 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2573 ✓ | 29.9445 ✓ | 24.4669 ✓ | 80.9 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0F0647-02 | Dry Weight | | 06/25/20 15:21 | | 1.2708 ✓ | 28.1325 ✓ | 24.7414 ✓ | 87.4 ✓ | Use Results from TS.. Make NR once completed. |
| A0F0647-02 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2708 ✓ | 28.1325 ✓ | 24.7414 ✓ | 87.4 ✓ | Use Results for Dry Weight (Not for Waters) |
| 0060850-DUP1 | QC | A0F0647-02 | 06/25/20 15:21 | | 1.2655 ✓ | 31.1611 ✓ | 27.2756 ✓ | 87.0 ✓ | |
| A0F0647-03 | Dry Weight | | 06/25/20 15:21 | | 1.2657 ✓ | 33.7208 ✓ | 28.0765 ✓ | 82.6 ✓ | Use Results from TS.. Make NR once completed. |
| A0F0647-03 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2657 ✓ | 33.7208 ✓ | 28.0765 ✓ | 82.6 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0F0647-04 | Dry Weight | | 06/25/20 15:21 | | 1.2628 ✓ | 28.7845 ✓ | 25.3233 ✓ | 87.4 ✓ | Use Results from TS.. Make NR once completed. |
| A0F0647-04 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2628 ✓ | 28.7845 ✓ | 25.3233 ✓ | 87.4 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0F0658-02 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2635 ✓ | 33.5543 ✓ | 28.0984 ✓ | 83.1 ✓ | need 3 day TAT enter total solids results for dry w |
| A0F0658-03 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2554 ✓ | 33.1831 ✓ | 29.8951 ✓ | 89.7 ✓ | need 3 day TAT enter total solids results for dry w |
| A0F0658-04 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.262 ✓ | 27.6108 ✓ | 21.7875 ✓ | 77.9 ✓ | need 3 day TAT enter total solids results for dry w |
| A0F0658-05 | Dry Weight | | 06/25/20 15:21 | | 1.253 ✓ | 40.8541 ✓ | 31.6423 ✓ | 76.7 ✓ | |
| A0F0658-05 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.253 ✓ | 40.8541 ✓ | 31.6423 ✓ | 76.7 ✓ | need 3 day TAT enter total solids results for dry w |
| A0F0658-06 | Dry Weight | | 06/25/20 15:21 | | 1.2736 ✓ | 31.3686 ✓ | 24.8984 ✓ | 78.5 ✓ | |
| A0F0658-06 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2736 ✓ | 31.3686 ✓ | 24.8984 ✓ | 78.5 ✓ | need 3 day TAT enter total solids results for dry w |
| A0F0658-07 | Dry Weight | | 06/25/20 15:21 | | 1.2702 ✓ | 33.042 ✓ | 24.9144 ✓ | 74.4 ✓ | |
| A0F0658-07 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2702 ✓ | 33.042 ✓ | 24.9144 ✓ | 74.4 ✓ | need 3 day TAT enter total solids results for dry w |
| A0F0658-09 | Dry Weight | | 06/25/20 15:21 | | 1.2649 ✓ | 26.5047 ✓ | 16.7096 ✓ | 61.2 ✓ | |
| A0F0658-09 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2649 ✓ | 26.5047 ✓ | 16.7096 ✓ | 61.2 ✓ | need 3 day TAT enter total solids results for dry w |
| A0F0658-10 | Dry Weight | | 06/25/20 15:21 | | 1.2595 ✓ | 34.7733 ✓ | 25.867 ✓ | 73.4 ✓ | |

Prepared By: MAS Date: 6/29/20

Reviewed By: AMZ Date: 6/29/2020



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0060850 (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 |
|--------------|------------------------|--------------|--------------------|--------------------|--------------|------------------------|------------------------|-----------------|---|
| A0F0658-10 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2595 ← | 34.7733 - | 25.867 - | 73.4 - | need 3 day TAT enter total solids results for dry w |
| A0F0667-01 | Dry Weight | | 06/25/20 15:21 | | 1.2676 - | 30.3853 - | 20.1117 ← | 64.7 ← | Use Results from TS.. Make NR once completed. |
| A0F0667-01 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2676 ← | 30.3853 - | 20.1117 - | 64.7 - | Use Results for Dry Weight (Not for Waters) |
| A0F0667-02 | Dry Weight | | 06/25/20 15:21 | | 1.2519 - | 26.4723 - | 18.3933 - | 68.0 ✓ | Use Results from TS.. Make NR once completed. |
| A0F0667-02 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2519 ✓ | 26.4723 - | 18.3933 ✓ | 68.0 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0F0698-01 | Dry Weight | | 06/25/20 15:21 | | 1.2513 - | 33.5662 ✓ | 22.8356 - | 66.8 - | |
| A0F0698-01 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2513 ✓ | 33.5662 ✓ | 22.8356 ✓ | 66.8 ✓ | need 3 day TAT enter total solids results for dry w |
| A0F0698-02 | Dry Weight | | 06/25/20 15:21 | | 1.2501 - | 31.0615 - | 21.391 - | 67.6 - | |
| A0F0698-02 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2501 - | 31.0615 ✓ | 21.391 ✓ | 67.6 ✓ | need 3 day TAT enter total solids results for dry w |
| A0F0698-03 | Dry Weight | | 06/25/20 15:21 | | 1.256 - | 37.5799 ✓ | 26.2021 - | 68.7 - | |
| A0F0698-03 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.256 ✓ | 37.5799 ✓ | 26.2021 ✓ | 68.7 - | need 3 day TAT enter total solids results for dry w |
| A0F0698-05 | Dry Weight | | 06/25/20 15:21 | | 1.2606 - | 29.1408 - | 20.9715 - | 70.7 - | |
| A0F0698-05 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2606 ✓ | 29.1408 ✓ | 20.9715 ✓ | 70.7 ✓ | need 3 day TAT enter total solids results for dry w |
| A0F0698-06 | Dry Weight | | 06/25/20 15:21 | | 1.2625 - | 29.9505 - | 20.8322 - | 68.2 ✓ | |
| A0F0698-06 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.2625 ✓ | 29.9505 ✓ | 20.8322 ✓ | 68.2 ✓ | need 3 day TAT enter total solids results for dry w |
| A0F0698-08 | Dry Weight | | 06/25/20 15:21 | | 1.264 - | 29.6382 - | 21.7343 - | 72.1 - | |
| A0F0698-08 | Solids, Total (SM 254) | | 06/25/20 15:21 | | 1.264 ✓ | 29.6382 - | 21.7343 ✓ | 72.1 - | need 3 day TAT enter total solids results for dry w |
| 0060850-DUP2 | QC | A0F0698-08 | 06/25/20 15:21 | | 1.2702 - | 28.1254 - | 20.6451 - | 72.1 ✓ | |

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Total Solids Worksheet

Analyst: MAS

Date: 06/25/20

Batch: 0060850

| Sample ID | Vessel ID | Tare Weight (g) | Wet+ Tare Weight (g) | Dry Weight (g) | | Comments |
|--------------|-----------|-----------------|----------------------|----------------|--------------|----------|
| | | | | 1st weighing | 2nd weighing | |
| A0F0647-01 | 1 | 1.2573 | 29.9445 | 24.4756 | 24.4669 | |
| A0F0647-02 | 2 | 1.2708 | 28.1325 | 24.7457 | 24.7414 | |
| 0060850-DUP1 | 3 | 1.2655 | 31.1611 | 27.2845 | 27.2756 | |
| A0F0647-03 | 4 | 1.2657 | 33.7208 | 28.0795 | 28.0765 | |
| A0F0647-04 | 5 | 1.2628 | 28.7845 | 25.329 | 25.3233 | |
| A0F0658-02 | 6 | 1.2635 | 33.5543 | 28.104 | 28.0984 | |
| A0F0658-03 | 7 | 1.2554 | 33.1831 | 29.9077 | 29.8951 | |
| A0F0658-04 | 8 | 1.262 | 27.6108 | 21.7938 | 21.7875 | |
| A0F0658-05 | 9 | 1.253 | 40.8541 | 31.6598 | 31.6423 | |
| A0F0658-06 | 10 | 1.2736 | 31.3686 | 24.9121 | 24.8984 | |
| A0F0658-07 | 11 | 1.2702 | 33.042 | 24.9264 | 24.9144 | |
| A0F0658-09 | 12 | 1.2649 | 26.5047 | 16.7175 | 16.7096 | |
| A0F0658-10 | 13 | 1.2595 | 34.7733 | 25.8802 | 25.867 | |
| A0F0698-01 | 14 | 1.2513 | 33.5662 | 22.8493 | 22.8356 | |
| A0F0698-02 | 15 | 1.2501 | 31.0615 | 21.4019 | 21.391 | |
| A0F0698-03 | 16 | 1.256 | 37.5799 | 26.2134 | 26.2021 | |
| A0F0698-05 | 17 | 1.2606 | 29.1408 | 20.9821 | 20.9715 | |
| A0F0698-06 | 18 | 1.2625 | 29.9505 | 20.8442 | 20.8322 | |
| A0F0698-08 | 19 | 1.264 | 29.6382 | 21.7455 | 21.7343 | |
| 0060850-DUP2 | 20 | 1.2702 | 28.1254 | 20.6557 | 20.6451 | |
| A0F0667-01 | 21 | 1.2676 | 30.3853 | 20.1261 | 20.1117 | |
| A0F0667-02 | 22 | 1.2519 | 26.4723 | 18.4019 | 18.3933 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | | | |
|---|-------|------|-------|------|
| Oven Temp at Sample Introduction | 103.2 | ✓ | 103.4 | ✓ |
| Oven Temp at sample removal | 103.8 | ✓ | 103.6 | ✓ |
| Time/date | 11:44 | 6/26 | 12:27 | 6/29 |

*Constant weight = +/- 50 mg.

Balance Checksheets

Extractions June 2020
Extractions July 2020
Wet Chem June 2020

Balance Challenge Log

Extractions
AND FX-2000
ID# 5210177

| Weight ID | weight (g) | acceptance range (g) |
|------------|------------|----------------------|
| | =/<1g | ± 0.02g |
| | >1g | ± 2% |
| 10077 | 0.5g | 0.48 0.52 |
| 1000143395 | 300g | 294.00 306.00 |

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: June
Year: 2020

Alternate Weight/ID used: 1000143395 300g Date Range: 6/1/2020 6/30/2020
10077 0.5g 6/1/2020 6/30/2020

| Day/Time | Initials |
|------------|----------|
| 1 07:02 | JAG |
| 2 0801 | AJJ |
| 3 07:22 | CAM |
| 4 07:08 2e | AJJ |
| 5 7:30 | CAM |
| 6 | |
| 7 | |
| 8 7:20 | CAM |
| 9 07:31 | AJJ |
| 10 07:40 | JAG |
| 11 11:03 | CAM |
| 12 8:03 | CAM |
| 13 | |
| 14 | |
| 15 07:33 | JAG |
| 16 07:34 | JAG |
| 17 07:30 | AJJ |
| 18 11:27 | CAM |
| 19 12:40 | Quilt |
| 20 | |
| 21 | |
| 22 07:15 | CAM |
| 23 07:25 | CAM |
| 24 07:30 | JAG |
| 25 07:33 | JAG |
| 26 07:05 | AJJ |
| 27 | |
| 28 | |
| 29 07:35 | CAM |
| 30 07:17 | AJJ |
| 31 | |

| Weight One | Observed | Weight Two | Observed |
|------------|----------|------------|----------|
| | .51 | | 299.96 |
| | 0.51 | | 299.99 |
| | 0.50 | | 299.96 |
| | 0.49 | | 299.94 |
| | 0.49 | | 299.95 |
| | | | |
| | | | |
| | 0.49 | | 299.94 |
| | 0.51 | | 299.99 |
| | .51 | | 300.00 |
| | .51 | | 299.97 |
| | 0.50 | | 299.97 |
| | | | |
| | | | |
| | .50 | | 300.01 |
| 0.50g | .50 | 300.00g | 299.99 |
| | 0.50 | | 299.99 |
| | 0.50 | | 299.99 |
| | 0.50 | | 299.99 |
| | 0.50 | | 299.99 |
| | | | |
| | | | |
| | 0.51 | | 300.01 |
| | 0.50 | | 300.01 |
| | | | |
| | | | |
| | 0.50 | | 300.00 |
| | 0.51 | | 300.01 |
| | | | |
| | | | |

Balance Challenge Log

Wet Chem Balance 1
 Ohaus Adventurer Pro
 ID# 8C30461093

| Weight ID | weight (g) | acceptance range (g) | |
|------------|------------|----------------------|----------|
| | <0.5000g | ± 0.5mg | |
| | >/=0.5000g | ± 0.1% | |
| 1000015949 | 0.005g | 0.0045 | 0.0055 |
| 66067 | 0.100g | 0.0995 | 0.1005 |
| 66067 | 100g | 99.9000 | 100.1000 |

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: June
 Year: 2020

Alternate Weight/ID used: _____
 Date Range: _____

| Day/Time | Initials | Weight 1 | Observed | Weight 2 | Observed | Weight 3 | Observed |
|----------|----------|-----------|------------------|----------|----------|----------|----------|
| 1 | 1028 | | 99.9997 | | 0.0999 | | 0.0048 |
| 2 | 1014 | | 99.9995 | | 0.1000 | | 0.0050 |
| 3 | 1216 | | 99.9995 | | 0.1000 | | 0.0051 |
| 4 | 1133 | | 99.9990 | | 0.0999 | | 0.0051 |
| 5 | 1029 | | 99.9996 | | 0.1001 | | 0.0049 |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | 1019 | | 99.9999 | | 0.1001 | | 0.0050 |
| 9 | 1015 | | 99.9994 | 0.0998 | 0.0998 | | 0.0050 |
| 10 | 1022 | | 99.9999 | 0.0999 | 0.0999 | | 0.0052 |
| 11 | 1015 | | 99.9998 | 0.0999 | 0.0999 | | 0.0049 |
| 12 | 1314 | | 100.0001 | 0.0999 | 0.0999 | | 0.0049 |
| 13 | 1212 | | 100.0001 | 0.0999 | 0.0999 | | 0.0047 |
| 14 | | | | | | | |
| 15 | 0900 | | 100.0005 | 0.0998 | 0.0998 | | 0.0051 |
| 16 | 1026 | 100.0000g | 100.0001 | 0.1000g | 0.1002 | 0.0050g | 0.0051 |
| 17 | 0717 | | 100.0005 | 0.1004 | 0.1004 | | 0.0050 |
| 18 | 1011 | | 100.0000 | 0.0998 | 0.0998 | | 0.0051 |
| 19 | 1130 | | 100.0005 | 0.1002 | 0.1002 | | 0.0052 |
| 20 | | | 101.1115 6/22/20 | | | | |
| 21 | | | | | | | |
| 22 | 1017 | | 100.0003 | 0.0999 | 0.0999 | | 0.0049 |
| 23 | 1018 | | 100.0005 | 0.1001 | 0.1001 | | 0.0047 |
| 24 | 1007 | | 100.0003 | 0.1000 | 0.1000 | | 0.0051 |
| 25 | 1121 | | 100.0002 | 0.1000 | 0.1000 | | 0.0051 |
| 26 | 1003 | | 100.0003 | 0.998 | 0.998 | | 0.0052 |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | 1114 | | 100.0003 | 0.1000 | 0.1000 | | 0.0050 |
| 30 | 1016 | | 100.0005 | 0.1001 | 0.1001 | | 0.0049 |
| 31 | | | | | | | |