TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 460-5722-1

Job Description: Bear Street (McKesson), Syracuse, NY

For:
ARCADIS
6723 Towpath Road
PO BOX 66
Syracuse, NY 13214

Attention: Ms. Dawn Penniman

Approved for release.
Janae S McCloud
Project Manager II
9/29/2009 2:00 PM

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Project Manager II
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09/29/2009

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## CASE NARRATIVE

## Client: ARCADIS

## Project: Bear Street (McKesson), Syracuse, NY

## Report Number: 460-5722-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

**RECEIPT**

The samples were received on 09/16/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1C, 4C, and 3C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

**ORGANICS BY DIRECT AQUEOUS INJECTION**

Samples 460-5722-1 through 460-5722-9 were analyzed for organics by direct aqueous injection in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 09/17/2009.

No difficulties were encountered during the organics by direct aqueous injection analyses.

All quality control parameters were within the acceptance limits.

**VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples 460-5722-1 through 460-5722-10 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/21/2009, 09/22/2009 and 09/23/2009.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

**SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples 460-5722-1 through 460-5722-9 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/17/2009 and analyzed on 09/18/2009 and 09/21/2009.

2,4,6-Tribromophenol, 2-Fluorobiphenyl, 2-Fluorophenol, Nitrobenzene-d5, Phenol-d5 and Terphenyl-d14 failed the surrogate recovery criteria low for 460-5722-3, 5722-3MS, 5722-3 MSD, 5722-4, and 5722-9, Refer to the QC report for details.

Aniline failed the recovery criteria high for the MS of sample 460-5722-3 in batch 460-17499. Due to the high concentration of Aniline, the matrix spike / matrix spike duplicate (MS/MSD) for batch 17294 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Aniline failed the recovery criteria low for the MSD of sample 460-5722-3 in batch 460-17499. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Samples 460-5722-3(10X), 460-5722-4(10X) and 460-5722-9(2X) required dilution prior to analysis, due to abundance of target analytes. As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

The following sample(s) contained one acid and/or one base surrogate outside acceptance limits: MW-36 (460-5722-9). The laboratory's

SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

## SAMPLE SUMMARY

Client: ARCADIS

Job Number: 460-5722-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|---|---|---|---|---|
| 460-5722-1 | MW-31 | Water | 09/15/2009 1405 | 09/16/2009 1015 |
| 460-5722-2 | MW-34 | Water | 09/15/2009 1245 | 09/16/2009 1015 |
| 460-5722-3 | TW-02RR | Water | 09/15/2009 1000 | 09/16/2009 1015 |
| 460-5722-3MS | TW-02RR | Water | 09/15/2009 1000 | 09/16/2009 1015 |
| 460-5722-3MSD | TW-02RR | Water | 09/15/2009 1000 | 09/16/2009 1015 |
| 460-5722-4FD | DUP-091509 | Water | 09/15/2009 0000 | 09/16/2009 1015 |
| 460-5722-5 | MW-9S | Water | 09/15/2009 1315 | 09/16/2009 1015 |
| 460-5722-6 | MW-32 | Water | 09/15/2009 1445 | 09/16/2009 1015 |
| 460-5722-7 | TW-01 | Water | 09/15/2009 1510 | 09/16/2009 1015 |
| 460-5722-8 | MW-35 | Water | 09/15/2009 1120 | 09/16/2009 1015 |
| 460-5722-9 | MW-36 | Water | 09/15/2009 1010 | 09/16/2009 1015 |
| 460-5722-10TB | Trip Blank 091509 | Water | 09/15/2009 0000 | 09/16/2009 1015 |

## EXECUTIVE SUMMARY - Detections

Client: ARCADIS Job Number: 460-5722-1

| Lab Sample ID / Analyte | Client Sample ID | Result / Qualifier | | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **460-5722-1** | **MW-31** | | | | | |
| Benzene | | 10 | | 1.0 | ug/L | 8260B |
| Toluene | | 0.49 | J | 1.0 | ug/L | 8260B |
| Xylenes, Total | | 2.0 | J | 3.0 | ug/L | 8260B |
| n,n'-Dimethylaniline | | 2.5 | | 1.0 | ug/L | 8270C |
| Methanol | | 730 | | 500 | ug/L | 8015B |
| **460-5722-2** | **MW-34** | | | | | |
| Acetone | | 24 | | 10 | ug/L | 8260B |
| Toluene | | 0.64 | J | 1.0 | ug/L | 8260B |
| Xylenes, Total | | 1.7 | J | 3.0 | ug/L | 8260B |
| n,n'-Dimethylaniline | | 2.5 | | 1.0 | ug/L | 8270C |
| Methanol | | 1000 | | 500 | ug/L | 8015B |
| **460-5722-3** | **TW-02RR** | | | | | |
| Benzene | | 4.3 | | 1.0 | ug/L | 8260B |
| Toluene | | 0.79 | J | 1.0 | ug/L | 8260B |
| Ethylbenzene | | 1.2 | | 1.0 | ug/L | 8260B |
| Xylenes, Total | | 3.5 | | 3.0 | ug/L | 8260B |
| Aniline | | 1600 | | 50 | ug/L | 8270C |
| Methanol | | 1000 | | 500 | ug/L | 8015B |
| **460-5722-4FD** | **DUP-091509** | | | | | |
| Benzene | | 4.2 | | 1.0 | ug/L | 8260B |
| Toluene | | 0.81 | J | 1.0 | ug/L | 8260B |
| Ethylbenzene | | 1.3 | | 1.0 | ug/L | 8260B |
| Xylenes, Total | | 3.6 | | 3.0 | ug/L | 8260B |
| Aniline | | 1500 | | 50 | ug/L | 8270C |
| Methanol | | 1200 | | 500 | ug/L | 8015B |
| **460-5722-5** | **MW-9S** | | | | | |
| Benzene | | 1.7 | | 1.0 | ug/L | 8260B |
| Toluene | | 2.2 | | 1.0 | ug/L | 8260B |
| Ethylbenzene | | 20 | | 1.0 | ug/L | 8260B |
| Xylenes, Total | | 70 | | 3.0 | ug/L | 8260B |
| n,n'-Dimethylaniline | | 4.1 | | 1.0 | ug/L | 8270C |
| Methanol | | 730 | | 500 | ug/L | 8015B |

## EXECUTIVE SUMMARY - Detections

Client: ARCADIS Job Number: 460-5722-1

| Lab Sample ID / Analyte | Client Sample ID | Result / Qualifier | | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **460-5722-6** | **MW-32** | | | | | |
| n,n'-Dimethylaniline | | 1.1 | | 1.0 | ug/L | 8270C |
| Methanol | | 1200 | | 500 | ug/L | 8015B |
| **460-5722-7** | **TW-01** | | | | | |
| Acetone | | 2.9 | J | 10 | ug/L | 8260B |
| Toluene | | 0.11 | J | 1.0 | ug/L | 8260B |
| n,n'-Dimethylaniline | | 1.1 | | 1.0 | ug/L | 8270C |
| Methanol | | 970 | | 500 | ug/L | 8015B |
| **460-5722-8** | **MW-35** | | | | | |
| Acetone | | 6.5 | J | 10 | ug/L | 8260B |
| Toluene | | 0.16 | J | 1.0 | ug/L | 8260B |
| Methanol | | 1100 | | 500 | ug/L | 8015B |
| **460-5722-9** | **MW-36** | | | | | |
| Acetone | | 21 | | 10 | ug/L | 8260B |
| Benzene | | 3.1 | | 1.0 | ug/L | 8260B |
| Toluene | | 0.96 | J | 1.0 | ug/L | 8260B |
| Xylenes, Total | | 3.2 | | 3.0 | ug/L | 8260B |
| Aniline | | 390 | | 10 | ug/L | 8270C |
| n,n'-Dimethylaniline | | 3.1 | | 2.0 | ug/L | 8270C |

# METHOD SUMMARY

Client: ARCADIS Job Number: 460-5722-1

| Description | Lab Location | Method | Preparation Method |
|---|---|---|---|
| **Matrix: Water** | | | |
| Volatile Organic Compounds (GC/MS) | TAL EDI | SW846 8260B | |
| Purge and Trap | TAL EDI | | SW846 5030B |
| Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) | TAL EDI | SW846 8270C | |
| Liquid-Liquid Extraction (Separatory Funnel) | TAL EDI | | SW846 3510C |
| Nonhalogenated Organic Compounds - Direct Injection (GC) | TAL EDI | SW846 8015B | |

**Lab References:**

TAL EDI = TestAmerica Edison

**Method References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: ARCADIS

Job Number: 460-5722-1

| Method | Analyst | Analyst ID |
|---|---|---|
| SW846 8260B | Desai, Saurab | SD |
| SW846 8260B | Martinez, Eddie | EM |
| SW846 8270C | Szczech, Anna | AS |
| SW846 8015B | Patel, Hemex | HP |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-31**

Lab Sample ID: 460-5722-1
Client Matrix: Water

Date Sampled: 09/15/2009 1405
Date Received: 09/16/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17535 | Instrument ID: VOAMS2 |
| Preparation: | 5030B | | Lab File ID: b25799.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/21/2009 2314 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/21/2009 2314 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 10 | | 0.13 | 1.0 |
| Toluene | 0.49 | J | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 2.0 | J | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 85 | | 70 - 122 |
| Bromofluorobenzene | 85 | | 69 - 135 |
| Toluene-d8 (Surr) | 88 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-34**

Lab Sample ID: 460-5722-2
Client Matrix: Water

Date Sampled: 09/15/2009 1245
Date Received: 09/16/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17611 | Instrument ID: VOAMS2 |
| Preparation: | 5030B | | Lab File ID: b25837.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 1827 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 1827 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 24 | | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 0.64 | J | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 1.7 | J | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 85 | | 70 - 122 |
| Bromofluorobenzene | 83 | | 69 - 135 |
| Toluene-d8 (Surr) | 86 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **TW-02RR**

Lab Sample ID: 460-5722-3
Client Matrix: Water

Date Sampled: 09/15/2009 1000
Date Received: 09/16/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17535 | Instrument ID: VOAMS2 |
| Preparation: | 5030B | | Lab File ID: b25793.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/21/2009 2038 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/21/2009 2038 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 4.3 | | 0.13 | 1.0 |
| Toluene | 0.79 | J | 0.090 | 1.0 |
| Ethylbenzene | 1.2 | | 0.25 | 1.0 |
| Xylenes, Total | 3.5 | | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 85 | | 70 - 122 |
| Bromofluorobenzene | 86 | | 69 - 135 |
| Toluene-d8 (Surr) | 87 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **DUP-091509**

Lab Sample ID: 460-5722-4FD
Client Matrix: Water

Date Sampled: 09/15/2009 0000
Date Received: 09/16/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17535 | Instrument ID: VOAMS2 |
| Preparation: | 5030B | | Lab File ID: b25802.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 0034 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 0034 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 4.2 | | 0.13 | 1.0 |
| Toluene | 0.81 | J | 0.090 | 1.0 |
| Ethylbenzene | 1.3 | | 0.25 | 1.0 |
| Xylenes, Total | 3.6 | | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 70 - 122 |
| Bromofluorobenzene | 88 | | 69 - 135 |
| Toluene-d8 (Surr) | 92 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-9S**

Lab Sample ID: 460-5722-5
Client Matrix: Water

Date Sampled: 09/15/2009 1315
Date Received: 09/16/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17535 | Instrument ID: VOAMS2 |
| Preparation: | 5030B | | Lab File ID: b25800.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/21/2009 2340 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/21/2009 2340 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.7 | | 0.13 | 1.0 |
| Toluene | 2.2 | | 0.090 | 1.0 |
| Ethylbenzene | 20 | | 0.25 | 1.0 |
| Xylenes, Total | 70 | | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 87 | | 70 - 122 |
| Bromofluorobenzene | 87 | | 69 - 135 |
| Toluene-d8 (Surr) | 91 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-32**

Lab Sample ID: 460-5722-6
Client Matrix: Water

Date Sampled: 09/15/2009 1445
Date Received: 09/16/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/23/2009 0502
Date Prepared: 09/23/2009 0502

Analysis Batch: 460-17679

Instrument ID: VOAMS2
Lab File ID: b25858.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 70 - 122 |
| Bromofluorobenzene | 90 | | 69 - 135 |
| Toluene-d8 (Surr) | 91 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **TW-01**

Lab Sample ID: 460-5722-7
Client Matrix: Water

Date Sampled: 09/15/2009 1510
Date Received: 09/16/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17535 | Instrument ID: VOAMS2 |
| Preparation: | 5030B | | Lab File ID: b25804.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 0126 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 0126 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 2.9 | J | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 0.11 | J | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 87 | | 70 - 122 |
| Bromofluorobenzene | 85 | | 69 - 135 |
| Toluene-d8 (Surr) | 89 | | 69 - 125 |

Client: ARCADIS Job Number: 460-5722-1

**Client Sample ID:** **MW-35**

Lab Sample ID: 460-5722-8 Date Sampled: 09/15/2009 1120
Client Matrix: Water Date Received: 09/16/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17535 | | Instrument ID: | VOAMS2 |
| Preparation: | 5030B | | | Lab File ID: | b25805.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 09/22/2009 0153 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 09/22/2009 0153 | | | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 6.5 | J | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 0.16 | J | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 70 - 122 |
| Bromofluorobenzene | 86 | | 69 - 135 |
| Toluene-d8 (Surr) | 88 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-36**

Lab Sample ID: 460-5722-9
Client Matrix: Water

Date Sampled: 09/15/2009 1010
Date Received: 09/16/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17535 | Instrument ID: VOAMS2 |
| Preparation: | 5030B | | Lab File ID: b25806.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 0220 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 0220 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 21 | | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 3.1 | | 0.13 | 1.0 |
| Toluene | 0.96 | J | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.2 | | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 70 - 122 |
| Bromofluorobenzene | 89 | | 69 - 135 |
| Toluene-d8 (Surr) | 90 | | 69 - 125 |

Client: ARCADIS Job Number: 460-5722-1

**Client Sample ID:** **Trip Blank 091509**

Lab Sample ID: 460-5722-10TB Date Sampled: 09/15/2009 0000
Client Matrix: Water Date Received: 09/16/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17535 | | Instrument ID: | VOAMS2 |
| Preparation: | 5030B | | | Lab File ID: | b25798.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 09/21/2009 2248 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 09/21/2009 2248 | | | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 87 | | 70 - 122 |
| Bromofluorobenzene | 86 | | 69 - 135 |
| Toluene-d8 (Surr) | 89 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-31**

Lab Sample ID: 460-5722-1
Client Matrix: Water

Date Sampled: 09/15/2009 1405
Date Received: 09/16/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17472 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17294 | | Lab File ID: | z3935.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/18/2009 1838 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/17/2009 1840 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 2.5 | | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 92 | | 64 - 119 |
| 2-Fluorophenol | 45 | | 15 - 57 |
| Nitrobenzene-d5 | 93 | | 69 - 120 |
| Phenol-d5 | 31 | | 10 - 41 |
| Terphenyl-d14 | 105 | | 38 - 141 |
| 2,4,6-Tribromophenol | 88 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-34**

Lab Sample ID: 460-5722-2
Client Matrix: Water

Date Sampled: 09/15/2009 1245
Date Received: 09/16/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17472 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17294 | | Lab File ID: | z3936.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/18/2009 1902 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/17/2009 1840 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 2.5 | | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 97 | | 64 - 119 |
| 2-Fluorophenol | 47 | | 15 - 57 |
| Nitrobenzene-d5 | 97 | | 69 - 120 |
| Phenol-d5 | 31 | | 10 - 41 |
| Terphenyl-d14 | 103 | | 38 - 141 |
| 2,4,6-Tribromophenol | 74 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **TW-02RR**

Lab Sample ID: 460-5722-3
Client Matrix: Water

Date Sampled: 09/15/2009 1000
Date Received: 09/16/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17499 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17294 | | Lab File ID: | z4024.d |
| Dilution: | 10 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/21/2009 0958 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/17/2009 1840 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 1600 | | 17 | 50 |
| n,n'-Dimethylaniline | 10 | U | 2.7 | 10 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 0 | D | 64 - 119 |
| 2-Fluorophenol | 0 | D | 15 - 57 |
| Nitrobenzene-d5 | 0 | D | 69 - 120 |
| Phenol-d5 | 0 | D | 10 - 41 |
| Terphenyl-d14 | 0 | D | 38 - 141 |
| 2,4,6-Tribromophenol | 0 | D | 69 - 127 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **DUP-091509**

Lab Sample ID: 460-5722-4FD
Client Matrix: Water

Date Sampled: 09/15/2009 0000
Date Received: 09/16/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17499 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17294 | | Lab File ID: | z4027.d |
| Dilution: | 10 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/21/2009 1111 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/17/2009 1840 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 1500 | | 17 | 50 |
| n,n'-Dimethylaniline | 10 | U | 2.7 | 10 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 0 | D | 64 - 119 |
| 2-Fluorophenol | 0 | D | 15 - 57 |
| Nitrobenzene-d5 | 0 | D | 69 - 120 |
| Phenol-d5 | 0 | D | 10 - 41 |
| Terphenyl-d14 | 0 | D | 38 - 141 |
| 2,4,6-Tribromophenol | 0 | D | 69 - 127 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-9S**

Lab Sample ID: 460-5722-5
Client Matrix: Water

Date Sampled: 09/15/2009 1315
Date Received: 09/16/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17472 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17294 | | Lab File ID: | z3938.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/18/2009 1951 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/17/2009 1840 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 4.1 | | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 99 | | 64 - 119 |
| 2-Fluorophenol | 50 | | 15 - 57 |
| Nitrobenzene-d5 | 97 | | 69 - 120 |
| Phenol-d5 | 34 | | 10 - 41 |
| Terphenyl-d14 | 97 | | 38 - 141 |
| 2,4,6-Tribromophenol | 91 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-32**

Lab Sample ID: 460-5722-6
Client Matrix: Water

Date Sampled: 09/15/2009 1445
Date Received: 09/16/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17472 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17294 | | Lab File ID: | z3939.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/18/2009 2015 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/17/2009 1840 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.1 | | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 102 | | 64 - 119 |
| 2-Fluorophenol | 52 | | 15 - 57 |
| Nitrobenzene-d5 | 101 | | 69 - 120 |
| Phenol-d5 | 34 | | 10 - 41 |
| Terphenyl-d14 | 104 | | 38 - 141 |
| 2,4,6-Tribromophenol | 84 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **TW-01**

Lab Sample ID: 460-5722-7
Client Matrix: Water

Date Sampled: 09/15/2009 1510
Date Received: 09/16/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17472 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17294 | | Lab File ID: | z3940.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/18/2009 2039 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/17/2009 1840 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.1 | | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 95 | | 64 - 119 |
| 2-Fluorophenol | 43 | | 15 - 57 |
| Nitrobenzene-d5 | 92 | | 69 - 120 |
| Phenol-d5 | 29 | | 10 - 41 |
| Terphenyl-d14 | 97 | | 38 - 141 |
| 2,4,6-Tribromophenol | 81 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-35**

Lab Sample ID: 460-5722-8
Client Matrix: Water

Date Sampled: 09/15/2009 1120
Date Received: 09/16/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17472 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17294 | | Lab File ID: | z3941.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/18/2009 2103 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/17/2009 1840 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 96 | | 64 - 119 |
| 2-Fluorophenol | 39 | | 15 - 57 |
| Nitrobenzene-d5 | 95 | | 69 - 120 |
| Phenol-d5 | 29 | | 10 - 41 |
| Terphenyl-d14 | 97 | | 38 - 141 |
| 2,4,6-Tribromophenol | 81 | | 69 - 127 |

Client: ARCADIS Job Number: 460-5722-1

**Client Sample ID:** **MW-36**

Lab Sample ID: 460-5722-9 Date Sampled: 09/15/2009 1010
Client Matrix: Water Date Received: 09/16/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17472 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17294 | | Lab File ID: | z3942.d |
| Dilution: | 2.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/18/2009 2127 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/17/2009 1840 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 390 | | 3.5 | 10 |
| n,n'-Dimethylaniline | 3.1 | | 0.54 | 2.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 97 | | 64 - 119 |
| 2-Fluorophenol | 47 | | 15 - 57 |
| Nitrobenzene-d5 | 97 | | 69 - 120 |
| Phenol-d5 | 29 | | 10 - 41 |
| Terphenyl-d14 | 101 | | 38 - 141 |
| 2,4,6-Tribromophenol | 66 | X | 69 - 127 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-31**

Lab Sample ID: 460-5722-1
Client Matrix: Water

Date Sampled: 09/15/2009 1405
Date Received: 09/16/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17223 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 0830 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 730 | | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 107 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-34**

Lab Sample ID: 460-5722-2
Client Matrix: Water

Date Sampled: 09/15/2009 1245
Date Received: 09/16/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17223 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 0837 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 1000 | | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 101 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **TW-02RR**

Lab Sample ID: 460-5722-3
Client Matrix: Water

Date Sampled: 09/15/2009 1000
Date Received: 09/16/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17223 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 0843 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 1000 | | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 103 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **DUP-091509**

Lab Sample ID: 460-5722-4FD
Client Matrix: Water

Date Sampled: 09/15/2009 0000
Date Received: 09/16/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17223 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 0849 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 1200 | | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 103 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-9S**

Lab Sample ID: 460-5722-5
Client Matrix: Water

Date Sampled: 09/15/2009 1315
Date Received: 09/16/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17223 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 0855 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 730 | | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 103 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-32**

Lab Sample ID: 460-5722-6
Client Matrix: Water

Date Sampled: 09/15/2009 1445
Date Received: 09/16/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17229 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 0926 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 1200 | | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 102 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **TW-01**

Lab Sample ID: 460-5722-7
Client Matrix: Water

Date Sampled: 09/15/2009 1510
Date Received: 09/16/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17229 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 0933 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 970 | | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 104 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-35**

Lab Sample ID: 460-5722-8
Client Matrix: Water

Date Sampled: 09/15/2009 1120
Date Received: 09/16/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17229 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 0939 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 1100 | | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 102 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5722-1

**Client Sample ID:** **MW-36**

Lab Sample ID: 460-5722-9
Client Matrix: Water

Date Sampled: 09/15/2009 1010
Date Received: 09/16/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17229 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 0945 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 115 | | 52 - 122 |

## Surrogate Recovery Report

**8260B Volatile Organic Compounds (GC/MS)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | DCA %Rec | TOL %Rec | BFB %Rec |
|---|---|---|---|---|
| 460-5722-1 | MW-31 | 85 | 88 | 85 |
| 460-5722-2 | MW-34 | 85 | 86 | 83 |
| 460-5722-3 | TW-02RR | 85 | 87 | 86 |
| 460-5722-4 | DUP-091509 | 88 | 92 | 88 |
| 460-5722-5 | MW-9S | 87 | 91 | 87 |
| 460-5722-6 | MW-32 | 92 | 91 | 90 |
| 460-5722-7 | TW-01 | 87 | 89 | 85 |
| 460-5722-8 | MW-35 | 88 | 88 | 86 |
| 460-5722-9 | MW-36 | 88 | 90 | 89 |
| 460-5722-10 | Trip Blank 091509 | 87 | 89 | 86 |
| MB 460-17535/4 | | 88 | 89 | 87 |
| MB 460-17611/4 | | 88 | 90 | 87 |
| MB 460-17679/4 | | 89 | 91 | 87 |
| LCS 460-17535/3 | | 86 | 90 | 90 |
| LCS 460-17611/3 | | 85 | 90 | 89 |
| LCS 460-17679/3 | | 87 | 90 | 89 |
| 460-5722-3 MS | TW-02RR MS | 85 | 90 | 87 |
| 460-5782-A-4 MS | | 86 | 92 | 89 |
| 460-5835-A-5 MS | | 84 | 88 | 86 |
| 460-5722-3 MSD | TW-02RR MSD | 86 | 90 | 89 |
| 460-5782-A-4 MSD | | 84 | 91 | 89 |
| 460-5835-A-5 MSD | | 84 | 88 | 86 |

| Surrogate | Acceptance Limits |
|---|---|
| DCA = 1,2-Dichloroethane-d4 (Surr) | 70-122 |
| TOL = Toluene-d8 (Surr) | 69-125 |
| BFB = Bromofluorobenzene | 69-135 |

Client: ARCADIS

Job Number: 460-5722-1

## Surrogate Recovery Report

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | 2FP %Rec | PHL %Rec | NBZ %Rec | FBP %Rec | TBP %Rec | TPH %Rec |
|---|---|---|---|---|---|---|---|
| 460-5722-1 | MW-31 | 45 | 31 | 93 | 92 | 88 | 105 |
| 460-5722-2 | MW-34 | 47 | 31 | 97 | 97 | 74 | 103 |
| 460-5722-3 | TW-02RR | 0D | 0D | 0D | 0D | 0D | 0D |
| 460-5722-4 | DUP-091509 | 0D | 0D | 0D | 0D | 0D | 0D |
| 460-5722-5 | MW-9S | 50 | 34 | 97 | 99 | 91 | 97 |
| 460-5722-6 | MW-32 | 52 | 34 | 101 | 102 | 84 | 104 |
| 460-5722-7 | TW-01 | 43 | 29 | 92 | 95 | 81 | 97 |
| 460-5722-8 | MW-35 | 39 | 29 | 95 | 96 | 81 | 97 |
| 460-5722-9 | MW-36 | 47 | 29 | 97 | 97 | 66X | 101 |
| MB 460-17294/1-A | | 47 | 37 | 77 | 73 | 70 | 75 |
| LCS 460-17294/2-A | | 56 | 41 | 89 | 91 | 79 | 85 |
| 460-5722-3 MS | TW-02RR MS | 0D | 0D | 0D | 0D | 0D | 0D |
| 460-5722-3 MSD | TW-02RR MSD | 0D | 0D | 0D | 0D | 0D | 0D |

| Surrogate | Acceptance Limits |
|---|---|
| 2FP = 2-Fluorophenol | 15-57 |
| PHL = Phenol-d5 | 10-41 |
| NBZ = Nitrobenzene-d5 | 69-120 |
| FBP = 2-Fluorobiphenyl | 64-119 |
| TBP = 2,4,6-Tribromophenol | 69-127 |
| TPH = Terphenyl-d14 | 38-141 |

## Surrogate Recovery Report

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | 1Pent1 %Rec |
|---|---|---|
| 460-5722-1 | MW-31 | 107 |
| 460-5722-2 | MW-34 | 101 |
| 460-5722-3 | TW-02RR | 103 |
| 460-5722-4 | DUP-091509 | 103 |
| 460-5722-5 | MW-9S | 103 |
| 460-5722-6 | MW-32 | 102 |
| 460-5722-7 | TW-01 | 104 |
| 460-5722-8 | MW-35 | 102 |
| 460-5722-9 | MW-36 | 115 |
| MB 460-17223/15 | | 89 |
| LCS 460-17223/4 | | 100 |
| LCSD 460-17223/5 | | 105 |
| 460-5722-3 MS | TW-02RR MS | 94 |
| 460-5722-3 MSD | TW-02RR MSD | 96 |

| Surrogate | Acceptance Limits |
|---|---|
| 1Pent = 1-Pentanol | 52-122 |

**Method Blank - Batch: 460-17535**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: MB 460-17535/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 2011
Date Prepared: 09/21/2009 2011

Analysis Batch: 460-17535
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS2
Lab File ID: b25792.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 88 | 70 - 122 |
| Bromofluorobenzene | 87 | 69 - 135 |
| Toluene-d8 (Surr) | 89 | 69 - 125 |

**Lab Control Sample - Batch: 460-17535**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: LCS 460-17535/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 1841
Date Prepared: 09/21/2009 1841

Analysis Batch: 460-17535
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS2
Lab File ID: b25789.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 18.9 | 95 | 79 - 119 | |
| Acetone | 20.0 | 19.6 | 98 | 45 - 156 | |
| Trichloroethene | 20.0 | 18.5 | 92 | 78 - 119 | |
| Benzene | 20.0 | 19.0 | 95 | 83 - 124 | |
| Toluene | 20.0 | 19.3 | 97 | 80 - 120 | |
| Ethylbenzene | 20.0 | 19.5 | 98 | 79 - 126 | |
| Xylenes, Total | 60.0 | 59.0 | 98 | 76 - 121 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 86 | 70 - 122 |
| Bromofluorobenzene | 90 | 69 - 135 |
| Toluene-d8 (Surr) | 90 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5722-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17535**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5722-3 | Analysis Batch: | 460-17535 | Instrument ID: | VOAMS2 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | b25794.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 09/21/2009 2104 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 09/21/2009 2104 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 460-5722-3 | Analysis Batch: | 460-17535 | Instrument ID: | VOAMS2 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | b25795.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 09/21/2009 2130 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 09/21/2009 2130 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methylene Chloride | 93 | 99 | 79 - 119 | 6 | 30 | | |
| Acetone | 107 | 110 | 45 - 156 | 2 | 30 | | |
| Trichloroethene | 90 | 95 | 78 - 119 | 6 | 30 | | |
| Benzene | 89 | 94 | 83 - 124 | 4 | 30 | | |
| Toluene | 94 | 99 | 80 - 120 | 5 | 30 | | |
| Ethylbenzene | 96 | 102 | 79 - 126 | 6 | 30 | | |
| Xylenes, Total | 96 | 102 | 76 - 121 | 6 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 85 | 86 | 70 - 122 |
| Bromofluorobenzene | 87 | 89 | 69 - 135 |
| Toluene-d8 (Surr) | 90 | 90 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5722-1

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17535**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5722-3 | Units: ug/L | MSD Lab Sample ID: | 460-5722-3 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Date Analyzed: | 09/21/2009 2104 | | Date Analyzed: | 09/21/2009 2130 | |
| Date Prepared: | 09/21/2009 2104 | | Date Prepared: | 09/21/2009 2130 | |

| Analyte | Sample Result/Qual | | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 20.0 | 20.0 | 18.6 | 19.8 |
| Acetone | 10 | U | 20.0 | 20.0 | 21.5 | 22.0 |
| Trichloroethene | 1.0 | U | 20.0 | 20.0 | 18.0 | 19.0 |
| Benzene | 4.3 | | 20.0 | 20.0 | 22.0 | 23.0 |
| Toluene | 0.79 | J | 20.0 | 20.0 | 19.5 | 20.6 |
| Ethylbenzene | 1.2 | | 20.0 | 20.0 | 20.3 | 21.5 |
| Xylenes, Total | 3.5 | | 60.0 | 60.0 | 61.0 | 64.5 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17611**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: MB 460-17611/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 1036
Date Prepared: 09/22/2009 1036

Analysis Batch: 460-17611
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS2
Lab File ID: b25821.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 88 | 70 - 122 |
| Bromofluorobenzene | 87 | 69 - 135 |
| Toluene-d8 (Surr) | 90 | 69 - 125 |

**Lab Control Sample - Batch: 460-17611**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: LCS 460-17611/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 0944
Date Prepared: 09/22/2009 0944

Analysis Batch: 460-17611
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS2
Lab File ID: b25819.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 19.6 | 98 | 79 - 119 | |
| Acetone | 20.0 | 18.5 | 93 | 45 - 156 | |
| Trichloroethene | 20.0 | 18.8 | 94 | 78 - 119 | |
| Benzene | 20.0 | 19.4 | 97 | 83 - 124 | |
| Toluene | 20.0 | 19.6 | 98 | 80 - 120 | |
| Ethylbenzene | 20.0 | 19.6 | 98 | 79 - 126 | |
| Xylenes, Total | 60.0 | 59.8 | 100 | 76 - 121 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 85 | 70 - 122 |
| Bromofluorobenzene | 89 | 69 - 135 |
| Toluene-d8 (Surr) | 90 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5722-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17611**

**Method: 8260B**
**Preparation: 5030B**

| | | | |
|---|---|---|---|
| MS Lab Sample ID: | 460-5782-A-4 MS | Analysis Batch: 460-17611 | Instrument ID: VOAMS2 |
| Client Matrix: | Water | Prep Batch: N/A | Lab File ID: b25827.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 1324 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 1324 | | |

| | | | |
|---|---|---|---|
| MSD Lab Sample ID: | 460-5782-A-4 MSD | Analysis Batch: 460-17611 | Instrument ID: VOAMS2 |
| Client Matrix: | Water | Prep Batch: N/A | Lab File ID: b25828.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 1350 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 1350 | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methylene Chloride | 102 | 96 | 79 - 119 | 6 | 30 | | |
| Acetone | 88 | 87 | 45 - 156 | 0 | 30 | | |
| Trichloroethene | 98 | 90 | 78 - 119 | 7 | 30 | | |
| Benzene | 97 | 93 | 83 - 124 | 5 | 30 | | |
| Toluene | 102 | 96 | 80 - 120 | 7 | 30 | | |
| Ethylbenzene | 103 | 97 | 79 - 126 | 6 | 30 | | |
| Xylenes, Total | 104 | 97 | 76 - 121 | 7 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 86 | 84 | 70 - 122 |
| Bromofluorobenzene | 89 | 89 | 69 - 135 |
| Toluene-d8 (Surr) | 92 | 91 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5722-1

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17611**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5782-A-4 MS | Units: ug/L | MSD Lab Sample ID: | 460-5782-A-4 MSD | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Date Analyzed: | 09/22/2009 1324 | | Date Analyzed: | 09/22/2009 1350 | |
| Date Prepared: | 09/22/2009 1324 | | Date Prepared: | 09/22/2009 1350 | |

| Analyte | Sample Result/Qual | | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 20.0 | 20.0 | 20.4 | 19.2 |
| Acetone | 10 | U | 20.0 | 20.0 | 17.5 | 17.5 |
| Trichloroethene | 0.74 | J | 20.0 | 20.0 | 20.3 | 18.8 |
| Benzene | 0.59 | J | 20.0 | 20.0 | 20.1 | 19.1 |
| Toluene | 1.0 | U | 20.0 | 20.0 | 20.5 | 19.1 |
| Ethylbenzene | 1.0 | U | 20.0 | 20.0 | 20.6 | 19.4 |
| Xylenes, Total | 3.0 | U | 60.0 | 60.0 | 62.2 | 57.9 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17679**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: MB 460-17679/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 2228
Date Prepared: 09/22/2009 2228

Analysis Batch: 460-17679
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS2
Lab File ID: b25843.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 89 | 70 - 122 |
| Bromofluorobenzene | 87 | 69 - 135 |
| Toluene-d8 (Surr) | 91 | 69 - 125 |

**Lab Control Sample - Batch: 460-17679**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: LCS 460-17679/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 2127
Date Prepared: 09/22/2009 2127

Analysis Batch: 460-17679
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS2
Lab File ID: b25841.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 19.6 | 98 | 79 - 119 | |
| Acetone | 20.0 | 28.0 | 140 | 45 - 156 | |
| Trichloroethene | 20.0 | 19.0 | 95 | 78 - 119 | |
| Benzene | 20.0 | 19.5 | 97 | 83 - 124 | |
| Toluene | 20.0 | 19.7 | 99 | 80 - 120 | |
| Ethylbenzene | 20.0 | 19.7 | 99 | 79 - 126 | |
| Xylenes, Total | 60.0 | 59.9 | 100 | 76 - 121 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 87 | 70 - 122 |
| Bromofluorobenzene | 89 | 69 - 135 |
| Toluene-d8 (Surr) | 90 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5722-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17679**

**Method: 8260B**
**Preparation: 5030B**

| | | | |
|---|---|---|---|
| MS Lab Sample ID: | 460-5835-A-5 MS | Analysis Batch: 460-17679 | Instrument ID: VOAMS2 |
| Client Matrix: | Water | Prep Batch: N/A | Lab File ID: b25845.d |
| Dilution: | 5.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 2319 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 2319 | | |

| | | | |
|---|---|---|---|
| MSD Lab Sample ID: | 460-5835-A-5 MSD | Analysis Batch: 460-17679 | Instrument ID: VOAMS2 |
| Client Matrix: | Water | Prep Batch: N/A | Lab File ID: b25846.d |
| Dilution: | 5.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 2345 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 2345 | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methylene Chloride | 93 | 100 | 79 - 119 | 7 | 30 | | |
| Acetone | 120 | 141 | 45 - 156 | 16 | 30 | | |
| Trichloroethene | 89 | 95 | 78 - 119 | 7 | 30 | | |
| Benzene | 92 | 100 | 83 - 124 | 9 | 30 | | |
| Toluene | 94 | 100 | 80 - 120 | 6 | 30 | | |
| Ethylbenzene | 94 | 101 | 79 - 126 | 7 | 30 | | |
| Xylenes, Total | 95 | 102 | 76 - 121 | 7 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 84 | 84 | 70 - 122 |
| Bromofluorobenzene | 86 | 86 | 69 - 135 |
| Toluene-d8 (Surr) | 88 | 88 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5722-1

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17679**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5835-A-5 MS | Units: ug/L | MSD Lab Sample ID: | 460-5835-A-5 MSD | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 5.0 | | Dilution: | 5.0 | |
| Date Analyzed: | 09/22/2009 2319 | | Date Analyzed: | 09/22/2009 2345 | |
| Date Prepared: | 09/22/2009 2319 | | Date Prepared: | 09/22/2009 2345 | |

| Analyte | Sample Result/Qual | | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|---|
| Methylene Chloride | 5.0 | U | 100 | 100 | 93.0 | 99.9 |
| Acetone | 50 | U | 100 | 100 | 120 | 141 |
| Trichloroethene | 8.8 | | 100 | 100 | 97.4 | 104 |
| Benzene | 5.0 | U | 100 | 100 | 91.7 | 100 |
| Toluene | 5.0 | U | 100 | 100 | 93.7 | 99.9 |
| Ethylbenzene | 5.0 | U | 100 | 100 | 94.1 | 101 |
| Xylenes, Total | 15 | U | 300 | 300 | 285 | 305 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17294**

**Method: 8270C**
**Preparation: 3510C**

Lab Sample ID: MB 460-17294/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2009 1000
Date Prepared: 09/17/2009 1840

Analysis Batch: 460-18146
Prep Batch: 460-17294
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z4273.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 2-Fluorobiphenyl | 73 | 64 - 119 |
| 2-Fluorophenol | 47 | 15 - 57 |
| Nitrobenzene-d5 | 77 | 69 - 120 |
| Phenol-d5 | 37 | 10 - 41 |
| Terphenyl-d14 | 75 | 38 - 141 |
| 2,4,6-Tribromophenol | 70 | 69 - 127 |

**Lab Control Sample - Batch: 460-17294**

**Method: 8270C**
**Preparation: 3510C**

Lab Sample ID: LCS 460-17294/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 0730
Date Prepared: 09/17/2009 1840

Analysis Batch: 460-17499
Prep Batch: 460-17294
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z4018.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Aniline | 100 | 71.1 | 71 | 45 - 90 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 2-Fluorobiphenyl | 91 | 64 - 119 |
| 2-Fluorophenol | 56 | 15 - 57 |
| Nitrobenzene-d5 | 89 | 69 - 120 |
| Phenol-d5 | 41 | 10 - 41 |
| Terphenyl-d14 | 85 | 38 - 141 |
| 2,4,6-Tribromophenol | 79 | 69 - 127 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5722-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17294**

**Method: 8270C**
**Preparation: 3510C**

| | | | |
|---|---|---|---|
| MS Lab Sample ID: | 460-5722-3 | Analysis Batch: 460-17499 | Instrument ID: BNAMS11 |
| Client Matrix: | Water | Prep Batch: 460-17294 | Lab File ID: z4025.d |
| Dilution: | 10 | | Initial Weight/Volume: 1000 mL |
| Date Analyzed: | 09/21/2009 1022 | | Final Weight/Volume: 2 mL |
| Date Prepared: | 09/17/2009 1840 | | Injection Volume: 1.0 uL |

| | | | |
|---|---|---|---|
| MSD Lab Sample ID: | 460-5722-3 | Analysis Batch: 460-17499 | Instrument ID: BNAMS11 |
| Client Matrix: | Water | Prep Batch: 460-17294 | Lab File ID: z4026.d |
| Dilution: | 10 | | Initial Weight/Volume: 1000 mL |
| Date Analyzed: | 09/21/2009 1046 | | Final Weight/Volume: 2 mL |
| Date Prepared: | 09/17/2009 1840 | | Injection Volume: 1.0 uL |

| | % Rec. | | | | | |
|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Aniline | 171 | 41 | 45 - 90 | 8 | 30 | 4 | 4 |

| Surrogate | MS % Rec | | MSD % Rec | | Acceptance Limits |
|---|---|---|---|---|---|
| 2-Fluorobiphenyl | 0 | D | 0 | D | 64 - 119 |
| 2-Fluorophenol | 0 | D | 0 | D | 15 - 57 |
| Nitrobenzene-d5 | 0 | D | 0 | D | 69 - 120 |
| Phenol-d5 | 0 | D | 0 | D | 10 - 41 |
| Terphenyl-d14 | 0 | D | 0 | D | 38 - 141 |
| 2,4,6-Tribromophenol | 0 | D | 0 | D | 69 - 127 |

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17294**

**Method: 8270C**
**Preparation: 3510C**

| | | | |
|---|---|---|---|
| MS Lab Sample ID: | 460-5722-3 | Units: ug/L | MSD Lab Sample ID: 460-5722-3 |
| Client Matrix: | Water | | Client Matrix: Water |
| Dilution: | 10 | | Dilution: 10 |
| Date Analyzed: | 09/21/2009 1022 | | Date Analyzed: 09/21/2009 1046 |
| Date Prepared: | 09/17/2009 1840 | | Date Prepared: 09/17/2009 1840 |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | | MSD Result/Qual | |
|---|---|---|---|---|---|---|---|
| Aniline | 1600 | 100 | 100 | 1730 | 4 | 1600 | 4 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17223**

**Method: 8015B**
**Preparation: N/A**

Lab Sample ID: MB 460-17223/15
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/17/2009 0908
Date Prepared: N/A

Analysis Batch: 460-17223
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4066.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

| Analyte | Result | Qual | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1-Pentanol | 89 | 52 - 122 |

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 460-17223**

**Method: 8015B**
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-17223/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/17/2009 0759
Date Prepared: N/A

Analysis Batch: 460-17223
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4055.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 460-17223/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/17/2009 0805
Date Prepared: N/A

Analysis Batch: 460-17223
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4056.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

| Analyte | % Rec. LCS | % Rec. LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
|---|---|---|---|---|---|---|---|
| Methanol | 83 | 99 | 60 - 145 | 18 | 30 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 100 | 105 | 52 - 122 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Laboratory Control/**
**Laboratory Duplicate Data Report - Batch: 460-17223**

**Method: 8015B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 460-17223/4 | Units: | ug/L | LCSD Lab Sample ID: | LCSD 460-17223/5 |
| Client Matrix: | Water | | | Client Matrix: | Water |
| Dilution: | 1.0 | | | Dilution: | 1.0 |
| Date Analyzed: | 09/17/2009 0759 | | | Date Analyzed: | 09/17/2009 0805 |
| Date Prepared: | N/A | | | Date Prepared: | N/A |

| Analyte | LCS Spike Amount | LCSD Spike Amount | LCS Result/Qual | LCSD Result/Qual |
|---|---|---|---|---|
| Methanol | 5000 | 5000 | 4150 | 4950 |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17223**

**Method: 8015B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5722-3 | Analysis Batch: | 460-17223 | Instrument ID: | BNAGC5 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | gc5f4057.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1 uL |
| Date Analyzed: | 09/17/2009 0812 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | N/A | | | Injection Volume: | 1 uL |
| | | | | Column ID: | PRIMARY |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 460-5722-3 | Analysis Batch: | 460-17223 | Instrument ID: | BNAGC5 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | gc5f4058.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1 uL |
| Date Analyzed: | 09/17/2009 0818 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | N/A | | | Injection Volume: | 1 uL |
| | | | | Column ID: | PRIMARY |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methanol | 67 | 62 | 60 - 145 | 6 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 94 | 96 | 52 - 122 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5722-1

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17223**

**Method: 8015B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5722-3 | Units: ug/L | MSD Lab Sample ID: | 460-5722-3 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Date Analyzed: | 09/17/2009 0812 | | Date Analyzed: | 09/17/2009 0818 | |
| Date Prepared: | N/A | | Date Prepared: | N/A | |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|
| Methanol | 1000 | 5000 | 5000 | 4380 | 4140 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## DATA REPORTING QUALIFIERS

Client: ARCADIS Job Number: 460-5722-1

| Lab Section | Qualifier | Description |
|---|---|---|
| GC/MS VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |
| | J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| GC/MS Semi VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |
| | 4 | MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable. |
| | X | Surrogate exceeds the control limits |
| | D | Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D. |
| GC VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |

Client: ARCADIS Job Number: 460-5722-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC/MS VOA** | | | | | |
| **Analysis Batch:460-17535** | | | | | |
| LCS 460-17535/3 | Lab Control Sample | T | Water | 8260B | |
| MB 460-17535/4 | Method Blank | T | Water | 8260B | |
| 460-5722-1 | MW-31 | T | Water | 8260B | |
| 460-5722-3 | TW-02RR | T | Water | 8260B | |
| 460-5722-3MS | Matrix Spike | T | Water | 8260B | |
| 460-5722-3MSD | Matrix Spike Duplicate | T | Water | 8260B | |
| 460-5722-4FD | DUP-091509 | T | Water | 8260B | |
| 460-5722-5 | MW-9S | T | Water | 8260B | |
| 460-5722-7 | TW-01 | T | Water | 8260B | |
| 460-5722-8 | MW-35 | T | Water | 8260B | |
| 460-5722-9 | MW-36 | T | Water | 8260B | |
| 460-5722-10TB | Trip Blank 091509 | T | Water | 8260B | |
| **Analysis Batch:460-17611** | | | | | |
| LCS 460-17611/3 | Lab Control Sample | T | Water | 8260B | |
| MB 460-17611/4 | Method Blank | T | Water | 8260B | |
| 460-5722-2 | MW-34 | T | Water | 8260B | |
| 460-5782-A-4 MS | Matrix Spike | T | Water | 8260B | |
| 460-5782-A-4 MSD | Matrix Spike Duplicate | T | Water | 8260B | |
| **Analysis Batch:460-17679** | | | | | |
| LCS 460-17679/3 | Lab Control Sample | T | Water | 8260B | |
| MB 460-17679/4 | Method Blank | T | Water | 8260B | |
| 460-5722-6 | MW-32 | T | Water | 8260B | |
| 460-5835-A-5 MS | Matrix Spike | T | Water | 8260B | |
| 460-5835-A-5 MSD | Matrix Spike Duplicate | T | Water | 8260B | |

**Report Basis**
T = Total

Client: ARCADIS Job Number: 460-5722-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC/MS Semi VOA** | | | | | |
| **Prep Batch: 460-17294** | | | | | |
| LCS 460-17294/2-A | Lab Control Sample | T | Water | 3510C | |
| MB 460-17294/1-A | Method Blank | T | Water | 3510C | |
| 460-5722-1 | MW-31 | T | Water | 3510C | |
| 460-5722-2 | MW-34 | T | Water | 3510C | |
| 460-5722-3 | TW-02RR | T | Water | 3510C | |
| 460-5722-3MS | Matrix Spike | T | Water | 3510C | |
| 460-5722-3MSD | Matrix Spike Duplicate | T | Water | 3510C | |
| 460-5722-4FD | DUP-091509 | T | Water | 3510C | |
| 460-5722-5 | MW-9S | T | Water | 3510C | |
| 460-5722-6 | MW-32 | T | Water | 3510C | |
| 460-5722-7 | TW-01 | T | Water | 3510C | |
| 460-5722-8 | MW-35 | T | Water | 3510C | |
| 460-5722-9 | MW-36 | T | Water | 3510C | |
| **Analysis Batch:460-17472** | | | | | |
| 460-5722-1 | MW-31 | T | Water | 8270C | 460-17294 |
| 460-5722-2 | MW-34 | T | Water | 8270C | 460-17294 |
| 460-5722-5 | MW-9S | T | Water | 8270C | 460-17294 |
| 460-5722-6 | MW-32 | T | Water | 8270C | 460-17294 |
| 460-5722-7 | TW-01 | T | Water | 8270C | 460-17294 |
| 460-5722-8 | MW-35 | T | Water | 8270C | 460-17294 |
| 460-5722-9 | MW-36 | T | Water | 8270C | 460-17294 |
| **Analysis Batch:460-17499** | | | | | |
| LCS 460-17294/2-A | Lab Control Sample | T | Water | 8270C | 460-17294 |
| 460-5722-3 | TW-02RR | T | Water | 8270C | 460-17294 |
| 460-5722-3MS | Matrix Spike | T | Water | 8270C | 460-17294 |
| 460-5722-3MSD | Matrix Spike Duplicate | T | Water | 8270C | 460-17294 |
| 460-5722-4FD | DUP-091509 | T | Water | 8270C | 460-17294 |
| **Analysis Batch:460-18146** | | | | | |
| MB 460-17294/1-A | Method Blank | T | Water | 8270C | 460-17294 |

**Report Basis**
T = Total

Client: ARCADIS Job Number: 460-5722-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC VOA** | | | | | |
| **Analysis Batch:460-17223** | | | | | |
| LCS 460-17223/4 | Lab Control Sample | T | Water | 8015B | |
| LCSD 460-17223/5 | Lab Control Sample Duplicate | T | Water | 8015B | |
| MB 460-17223/15 | Method Blank | T | Water | 8015B | |
| 460-5722-1 | MW-31 | T | Water | 8015B | |
| 460-5722-2 | MW-34 | T | Water | 8015B | |
| 460-5722-3 | TW-02RR | T | Water | 8015B | |
| 460-5722-3MS | Matrix Spike | T | Water | 8015B | |
| 460-5722-3MSD | Matrix Spike Duplicate | T | Water | 8015B | |
| 460-5722-4FD | DUP-091509 | T | Water | 8015B | |
| 460-5722-5 | MW-9S | T | Water | 8015B | |
| **Analysis Batch:460-17229** | | | | | |
| 460-5722-6 | MW-32 | T | Water | 8015B | |
| 460-5722-7 | TW-01 | T | Water | 8015B | |
| 460-5722-8 | MW-35 | T | Water | 8015B | |
| 460-5722-9 | MW-36 | T | Water | 8015B | |

**Report Basis**
T = Total

Client: ARCADIS Job Number: 460-5722-1

## Laboratory Chronicle

**Lab ID:** 460-5722-1 **Client ID:** MW-31

Sample Date/Time: 09/15/2009 14:05 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-E-1 | | 460-17535 | | 09/21/2009 23:14 | 1 | TAL EDI | EM |
| A:8260B | 460-5722-E-1 | | 460-17535 | | 09/21/2009 23:14 | 1 | TAL EDI | EM |
| P:3510C | 460-5722-H-1-A | | 460-17472 | 460-17294 | 09/17/2009 18:40 | 1 | TAL EDI | RG |
| A:8270C | 460-5722-H-1-A | | 460-17472 | 460-17294 | 09/18/2009 18:38 | 1 | TAL EDI | AS |
| A:8015B | 460-5722-A-1 | | 460-17223 | | 09/17/2009 08:30 | 1 | TAL EDI | HP |

**Lab ID:** 460-5722-2 **Client ID:** MW-34

Sample Date/Time: 09/15/2009 12:45 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-E-2 | | 460-17611 | | 09/22/2009 18:27 | 1 | TAL EDI | SD |
| A:8260B | 460-5722-E-2 | | 460-17611 | | 09/22/2009 18:27 | 1 | TAL EDI | SD |
| P:3510C | 460-5722-H-2-A | | 460-17472 | 460-17294 | 09/17/2009 18:40 | 1 | TAL EDI | RG |
| A:8270C | 460-5722-H-2-A | | 460-17472 | 460-17294 | 09/18/2009 19:02 | 1 | TAL EDI | AS |
| A:8015B | 460-5722-B-2 | | 460-17223 | | 09/17/2009 08:37 | 1 | TAL EDI | HP |

**Lab ID:** 460-5722-3 **Client ID:** TW-02RR

Sample Date/Time: 09/15/2009 10:00 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-F-3 | | 460-17535 | | 09/21/2009 20:38 | 1 | TAL EDI | EM |
| A:8260B | 460-5722-F-3 | | 460-17535 | | 09/21/2009 20:38 | 1 | TAL EDI | EM |
| P:3510C | 460-5722-H-3-C | | 460-17499 | 460-17294 | 09/17/2009 18:40 | 10 | TAL EDI | RG |
| A:8270C | 460-5722-H-3-C | | 460-17499 | 460-17294 | 09/21/2009 09:58 | 10 | TAL EDI | AS |
| A:8015B | 460-5722-A-3 | | 460-17223 | | 09/17/2009 08:43 | 1 | TAL EDI | HP |

**Lab ID:** 460-5722-3 **Client ID:** TW-02RR

Sample Date/Time: 09/15/2009 10:00 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-D-3 MS | | 460-17535 | | 09/21/2009 21:04 | 1 | TAL EDI | EM |
| A:8260B | 460-5722-D-3 MS | | 460-17535 | | 09/21/2009 21:04 | 1 | TAL EDI | EM |
| P:3510C | 460-5722-H-3-A MS | | 460-17499 | 460-17294 | 09/17/2009 18:40 | 10 | TAL EDI | RG |
| A:8270C | 460-5722-H-3-A MS | | 460-17499 | 460-17294 | 09/21/2009 10:22 | 10 | TAL EDI | AS |
| A:8015B | 460-5722-A-3 MS | | 460-17223 | | 09/17/2009 08:12 | 1 | TAL EDI | HP |

Client: ARCADIS Job Number: 460-5722-1

## Laboratory Chronicle

**Lab ID: 460-5722-3** **Client ID: TW-02RR**

Sample Date/Time: 09/15/2009 10:00 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-D-3 MSD | | 460-17535 | | 09/21/2009 21:30 | 1 | TAL EDI | EM |
| A:8260B | 460-5722-D-3 MSD | | 460-17535 | | 09/21/2009 21:30 | 1 | TAL EDI | EM |
| P:3510C | 460-5722-H-3-B MSD | | 460-17499 | 460-17294 | 09/17/2009 18:40 | 10 | TAL EDI | RG |
| A:8270C | 460-5722-H-3-B MSD | | 460-17499 | 460-17294 | 09/21/2009 10:46 | 10 | TAL EDI | AS |
| A:8015B | 460-5722-A-3 MSD | | 460-17223 | | 09/17/2009 08:18 | 1 | TAL EDI | HP |

**Lab ID: 460-5722-4** **Client ID: DUP-091509**

Sample Date/Time: 09/15/2009 00:00 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-D-4 | | 460-17535 | | 09/22/2009 00:34 | 1 | TAL EDI | EM |
| A:8260B | 460-5722-D-4 | | 460-17535 | | 09/22/2009 00:34 | 1 | TAL EDI | EM |
| P:3510C | 460-5722-H-4-A | | 460-17499 | 460-17294 | 09/17/2009 18:40 | 10 | TAL EDI | RG |
| A:8270C | 460-5722-H-4-A | | 460-17499 | 460-17294 | 09/21/2009 11:11 | 10 | TAL EDI | AS |
| A:8015B | 460-5722-A-4 | | 460-17223 | | 09/17/2009 08:49 | 1 | TAL EDI | HP |

**Lab ID: 460-5722-5** **Client ID: MW-9S**

Sample Date/Time: 09/15/2009 13:15 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-F-5 | | 460-17535 | | 09/21/2009 23:40 | 1 | TAL EDI | EM |
| A:8260B | 460-5722-F-5 | | 460-17535 | | 09/21/2009 23:40 | 1 | TAL EDI | EM |
| P:3510C | 460-5722-H-5-A | | 460-17472 | 460-17294 | 09/17/2009 18:40 | 1 | TAL EDI | RG |
| A:8270C | 460-5722-H-5-A | | 460-17472 | 460-17294 | 09/18/2009 19:51 | 1 | TAL EDI | AS |
| A:8015B | 460-5722-C-5 | | 460-17223 | | 09/17/2009 08:55 | 1 | TAL EDI | HP |

**Lab ID: 460-5722-6** **Client ID: MW-32**

Sample Date/Time: 09/15/2009 14:45 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-F-6 | | 460-17679 | | 09/23/2009 05:02 | 1 | TAL EDI | EM |
| A:8260B | 460-5722-F-6 | | 460-17679 | | 09/23/2009 05:02 | 1 | TAL EDI | EM |
| P:3510C | 460-5722-H-6-A | | 460-17472 | 460-17294 | 09/17/2009 18:40 | 1 | TAL EDI | RG |
| A:8270C | 460-5722-H-6-A | | 460-17472 | 460-17294 | 09/18/2009 20:15 | 1 | TAL EDI | AS |
| A:8015B | 460-5722-A-6 | | 460-17229 | | 09/17/2009 09:26 | 1 | TAL EDI | HP |

Client: ARCADIS Job Number: 460-5722-1

## Laboratory Chronicle

**Lab ID: 460-5722-7** **Client ID: TW-01**

Sample Date/Time: 09/15/2009 15:10 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-F-7 | | 460-17535 | | 09/22/2009 01:26 | 1 | TAL EDI | EM |
| A:8260B | 460-5722-F-7 | | 460-17535 | | 09/22/2009 01:26 | 1 | TAL EDI | EM |
| P:3510C | 460-5722-H-7-A | | 460-17472 | 460-17294 | 09/17/2009 18:40 | 1 | TAL EDI | RG |
| A:8270C | 460-5722-H-7-A | | 460-17472 | 460-17294 | 09/18/2009 20:39 | 1 | TAL EDI | AS |
| A:8015B | 460-5722-C-7 | | 460-17229 | | 09/17/2009 09:33 | 1 | TAL EDI | HP |

**Lab ID: 460-5722-8** **Client ID: MW-35**

Sample Date/Time: 09/15/2009 11:20 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-F-8 | | 460-17535 | | 09/22/2009 01:53 | 1 | TAL EDI | EM |
| A:8260B | 460-5722-F-8 | | 460-17535 | | 09/22/2009 01:53 | 1 | TAL EDI | EM |
| P:3510C | 460-5722-H-8-A | | 460-17472 | 460-17294 | 09/17/2009 18:40 | 1 | TAL EDI | RG |
| A:8270C | 460-5722-H-8-A | | 460-17472 | 460-17294 | 09/18/2009 21:03 | 1 | TAL EDI | AS |
| A:8015B | 460-5722-C-8 | | 460-17229 | | 09/17/2009 09:39 | 1 | TAL EDI | HP |

**Lab ID: 460-5722-9** **Client ID: MW-36**

Sample Date/Time: 09/15/2009 10:10 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-D-9 | | 460-17535 | | 09/22/2009 02:20 | 1 | TAL EDI | EM |
| A:8260B | 460-5722-D-9 | | 460-17535 | | 09/22/2009 02:20 | 1 | TAL EDI | EM |
| P:3510C | 460-5722-H-9-A | | 460-17472 | 460-17294 | 09/17/2009 18:40 | 2 | TAL EDI | RG |
| A:8270C | 460-5722-H-9-A | | 460-17472 | 460-17294 | 09/18/2009 21:27 | 2 | TAL EDI | AS |
| A:8015B | 460-5722-A-9 | | 460-17229 | | 09/17/2009 09:45 | 1 | TAL EDI | HP |

**Lab ID: 460-5722-10** **Client ID: Trip Blank 091509**

Sample Date/Time: 09/15/2009 00:00 Received Date/Time: 09/16/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5722-A-10 | | 460-17535 | | 09/21/2009 22:48 | 1 | TAL EDI | EM |
| A:8260B | 460-5722-A-10 | | 460-17535 | | 09/21/2009 22:48 | 1 | TAL EDI | EM |

Client: ARCADIS Job Number: 460-5722-1

## Laboratory Chronicle

**Lab ID:** MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | MB 460-17535/4 | | 460-17535 | | 09/21/2009 20:11 | 1 | TAL EDI | EM |
| A:8260B | MB 460-17535/4 | | 460-17535 | | 09/21/2009 20:11 | 1 | TAL EDI | EM |
| P:5030B | MB 460-17611/4 | | 460-17611 | | 09/22/2009 10:36 | 1 | TAL EDI | SD |
| A:8260B | MB 460-17611/4 | | 460-17611 | | 09/22/2009 10:36 | 1 | TAL EDI | SD |
| P:5030B | MB 460-17679/4 | | 460-17679 | | 09/22/2009 22:28 | 1 | TAL EDI | EM |
| A:8260B | MB 460-17679/4 | | 460-17679 | | 09/22/2009 22:28 | 1 | TAL EDI | EM |
| P:3510C | MB 460-17294/1-A | | 460-18146 | 460-17294 | 09/17/2009 18:40 | 1 | TAL EDI | RG |
| A:8270C | MB 460-17294/1-A | | 460-18146 | 460-17294 | 09/28/2009 10:00 | 1 | TAL EDI | MC |
| A:8015B | MB 460-17223/15 | | 460-17223 | | 09/17/2009 09:08 | 1 | TAL EDI | HP |

**Lab ID:** LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | LCS 460-17535/3 | | 460-17535 | | 09/21/2009 18:41 | 1 | TAL EDI | EM |
| A:8260B | LCS 460-17535/3 | | 460-17535 | | 09/21/2009 18:41 | 1 | TAL EDI | EM |
| P:5030B | LCS 460-17611/3 | | 460-17611 | | 09/22/2009 09:44 | 1 | TAL EDI | SD |
| A:8260B | LCS 460-17611/3 | | 460-17611 | | 09/22/2009 09:44 | 1 | TAL EDI | SD |
| P:5030B | LCS 460-17679/3 | | 460-17679 | | 09/22/2009 21:27 | 1 | TAL EDI | EM |
| A:8260B | LCS 460-17679/3 | | 460-17679 | | 09/22/2009 21:27 | 1 | TAL EDI | EM |
| P:3510C | LCS 460-17294/2-A | | 460-17499 | 460-17294 | 09/17/2009 18:40 | 1 | TAL EDI | RG |
| A:8270C | LCS 460-17294/2-A | | 460-17499 | 460-17294 | 09/21/2009 07:30 | 1 | TAL EDI | AS |
| A:8015B | LCS 460-17223/4 | | 460-17223 | | 09/17/2009 07:59 | 1 | TAL EDI | HP |

**Lab ID:** LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:8015B | LCSD 460-17223/5 | | 460-17223 | | 09/17/2009 08:05 | 1 | TAL EDI | HP |

**Lab ID:** MS **Client ID:** N/A

Sample Date/Time: N/A 09/16/2009 12:40 Received Date/Time: N/A 09/16/2009 18:00

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5782-A-4 MS | | 460-17611 | | 09/22/2009 13:24 | 1 | TAL EDI | SD |
| A:8260B | 460-5782-A-4 MS | | 460-17611 | | 09/22/2009 13:24 | 1 | TAL EDI | SD |
| P:5030B | 460-5835-A-5 MS | | 460-17679 | | 09/22/2009 23:19 | 5 | TAL EDI | EM |
| A:8260B | 460-5835-A-5 MS | | 460-17679 | | 09/22/2009 23:19 | 5 | TAL EDI | EM |

Client: ARCADIS Job Number: 460-5722-1

## Laboratory Chronicle

**Lab ID:** **MSD** **Client ID:** **N/A**

Sample Date/Time: N/A 09/16/2009 12:40 Received Date/Time: N/A 09/16/2009 18:00

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5782-A-4 MSD | | 460-17611 | | 09/22/2009 13:50 | 1 | TAL EDI | SD |
| A:8260B | 460-5782-A-4 MSD | | 460-17611 | | 09/22/2009 13:50 | 1 | TAL EDI | SD |
| P:5030B | 460-5835-A-5 MSD | | 460-17679 | | 09/22/2009 23:45 | 5 | TAL EDI | EM |
| A:8260B | 460-5835-A-5 MSD | | 460-17679 | | 09/22/2009 23:45 | 5 | TAL EDI | EM |

**Lab References:**
TAL EDI = TestAmerica Edison

# GC/MS VOA

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

| Client Sample ID | Lab Sample ID | DCA # | TOL # | BFB # |
|---|---|---|---|---|
| MW-31 | 460-5722-1 | 85 | 88 | 85 |
| MW-34 | 460-5722-2 | 85 | 86 | 83 |
| TW-02RR | 460-5722-3 | 85 | 87 | 86 |
| DUP-091509 | 460-5722-4 | 88 | 92 | 88 |
| MW-9S | 460-5722-5 | 87 | 91 | 87 |
| MW-32 | 460-5722-6 | 92 | 91 | 90 |
| TW-01 | 460-5722-7 | 87 | 89 | 85 |
| MW-35 | 460-5722-8 | 88 | 88 | 86 |
| MW-36 | 460-5722-9 | 88 | 90 | 89 |
| Trip Blank 091509 | 460-5722-10 | 87 | 89 | 86 |
| | MB 460-17535/4 | 88 | 89 | 87 |
| | MB 460-17611/4 | 88 | 90 | 87 |
| | MB 460-17679/4 | 89 | 91 | 87 |
| | LCS 460-17535/3 | 86 | 90 | 90 |
| | LCS 460-17611/3 | 85 | 90 | 89 |
| | LCS 460-17679/3 | 87 | 90 | 89 |
| TW-02RR MS | 460-5722-3 MS | 85 | 90 | 87 |
| | 460-5782-A-4 MS | 86 | 92 | 89 |
| | 460-5835-A-5 MS | 84 | 88 | 86 |
| TW-02RR MSD | 460-5722-3 MSD | 86 | 90 | 89 |
| | 460-5782-A-4 MSD | 84 | 91 | 89 |
| | 460-5835-A-5 MSD | 84 | 88 | 86 |

| | QC LIMITS |
|---|---|
| DCA = 1,2-Dichloroethane-d4 (Surr) | 70-122 |
| TOL = Toluene-d8 (Surr) | 69-125 |
| BFB = Bromofluorobenzene | 69-135 |

# Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25789.d

Lab ID: LCS 460-17535/3 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 18.9 | 95 | 79-119 | |
| Acetone | 20.0 | 19.6 | 98 | 45-156 | |
| Trichloroethene | 20.0 | 18.5 | 92 | 78-119 | |
| Benzene | 20.0 | 19.0 | 95 | 83-124 | |
| Toluene | 20.0 | 19.3 | 97 | 80-120 | |
| Ethylbenzene | 20.0 | 19.5 | 98 | 79-126 | |
| Xylenes, Total | 60.0 | 59.0 | 98 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25819.d

Lab ID: LCS 460-17611/3 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 19.6 | 98 | 79-119 | |
| Acetone | 20.0 | 18.5 | 93 | 45-156 | |
| Trichloroethene | 20.0 | 18.8 | 94 | 78-119 | |
| Benzene | 20.0 | 19.4 | 97 | 83-124 | |
| Toluene | 20.0 | 19.6 | 98 | 80-120 | |
| Ethylbenzene | 20.0 | 19.6 | 98 | 79-126 | |
| Xylenes, Total | 60.0 | 59.8 | 100 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25841.d

Lab ID: LCS 460-17679/3 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 19.6 | 98 | 79-119 | |
| Acetone | 20.0 | 28.0 | 140 | 45-156 | |
| Trichloroethene | 20.0 | 19.0 | 95 | 78-119 | |
| Benzene | 20.0 | 19.5 | 97 | 83-124 | |
| Toluene | 20.0 | 19.7 | 99 | 80-120 | |
| Ethylbenzene | 20.0 | 19.7 | 99 | 79-126 | |
| Xylenes, Total | 60.0 | 59.9 | 100 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25794.d

Lab ID: 460-5722-3 MS Client ID: TW-02RR MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 1.0 U | 18.6 | 93 | 79-119 | |
| Acetone | 20.0 | 10 U | 21.5 | 107 | 45-156 | |
| Trichloroethene | 20.0 | 1.0 U | 18.0 | 90 | 78-119 | |
| Benzene | 20.0 | 4.3 | 22.0 | 89 | 83-124 | |
| Toluene | 20.0 | 0.79 J | 19.5 | 94 | 80-120 | |
| Ethylbenzene | 20.0 | 1.2 | 20.3 | 96 | 79-126 | |
| Xylenes, Total | 60.0 | 3.5 | 61.0 | 96 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25827.d

Lab ID: 460-5782-A-4 MS Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 1.0 U | 20.4 | 102 | 79-119 | |
| Acetone | 20.0 | 10 U | 17.5 | 88 | 45-156 | |
| Trichloroethene | 20.0 | 0.74 J | 20.3 | 98 | 78-119 | |
| Benzene | 20.0 | 0.59 J | 20.1 | 97 | 83-124 | |
| Toluene | 20.0 | 1.0 U | 20.5 | 102 | 80-120 | |
| Ethylbenzene | 20.0 | 1.0 U | 20.6 | 103 | 79-126 | |
| Xylenes, Total | 60.0 | 3.0 U | 62.2 | 104 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25845.d

Lab ID: 460-5835-A-5 MS Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methylene Chloride | 100 | 5.0 U | 93.0 | 93 | 79-119 | |
| Acetone | 100 | 50 U | 120 | 120 | 45-156 | |
| Trichloroethene | 100 | 8.8 | 97.4 | 89 | 78-119 | |
| Benzene | 100 | 5.0 U | 91.7 | 92 | 83-124 | |
| Toluene | 100 | 5.0 U | 93.7 | 94 | 80-120 | |
| Ethylbenzene | 100 | 5.0 U | 94.1 | 94 | 79-126 | |
| Xylenes, Total | 300 | 15 U | 285 | 95 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25795.d

Lab ID: 460-5722-3 MSD Client ID: TW-02RR MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 19.8 | 99 | 6 | 30 | 79-119 | |
| Acetone | 20.0 | 22.0 | 110 | 2 | 30 | 45-156 | |
| Trichloroethene | 20.0 | 19.0 | 95 | 6 | 30 | 78-119 | |
| Benzene | 20.0 | 23.0 | 94 | 4 | 30 | 83-124 | |
| Toluene | 20.0 | 20.6 | 99 | 5 | 30 | 80-120 | |
| Ethylbenzene | 20.0 | 21.5 | 102 | 6 | 30 | 79-126 | |
| Xylenes, Total | 60.0 | 64.5 | 102 | 6 | 30 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25828.d

Lab ID: 460-5782-A-4 MSD Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 19.2 | 96 | 6 | 30 | 79-119 | |
| Acetone | 20.0 | 17.5 | 87 | 0 | 30 | 45-156 | |
| Trichloroethene | 20.0 | 18.8 | 90 | 7 | 30 | 78-119 | |
| Benzene | 20.0 | 19.1 | 93 | 5 | 30 | 83-124 | |
| Toluene | 20.0 | 19.1 | 96 | 7 | 30 | 80-120 | |
| Ethylbenzene | 20.0 | 19.4 | 97 | 6 | 30 | 79-126 | |
| Xylenes, Total | 60.0 | 57.9 | 97 | 7 | 30 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25846.d

Lab ID: 460-5835-A-5 MSD Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 100 | 99.9 | 100 | 7 | 30 | 79-119 | |
| Acetone | 100 | 141 | 141 | 16 | 30 | 45-156 | |
| Trichloroethene | 100 | 104 | 95 | 7 | 30 | 78-119 | |
| Benzene | 100 | 100 | 100 | 9 | 30 | 83-124 | |
| Toluene | 100 | 99.9 | 100 | 6 | 30 | 80-120 | |
| Ethylbenzene | 100 | 101 | 101 | 7 | 30 | 79-126 | |
| Xylenes, Total | 300 | 305 | 102 | 7 | 30 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: b25792.d Lab Sample ID: MB 460-17535/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VOAMS2 Date Analyzed: 09/21/2009 20:11

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 460-17535/3 | b25789.d | 09/21/2009 18:41 |
| TW-02RR | 460-5722-3 | b25793.d | 09/21/2009 20:38 |
| TW-02RR MS | 460-5722-3 MS | b25794.d | 09/21/2009 21:04 |
| TW-02RR MSD | 460-5722-3 MSD | b25795.d | 09/21/2009 21:30 |
| Trip Blank 091509 | 460-5722-10 | b25798.d | 09/21/2009 22:48 |
| MW-31 | 460-5722-1 | b25799.d | 09/21/2009 23:14 |
| MW-9S | 460-5722-5 | b25800.d | 09/21/2009 23:40 |
| DUP-091509 | 460-5722-4 | b25802.d | 09/22/2009 00:34 |
| TW-01 | 460-5722-7 | b25804.d | 09/22/2009 01:26 |
| MW-35 | 460-5722-8 | b25805.d | 09/22/2009 01:53 |
| MW-36 | 460-5722-9 | b25806.d | 09/22/2009 02:20 |

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: b25821.d Lab Sample ID: MB 460-17611/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VOAMS2 Date Analyzed: 09/22/2009 10:36

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 460-17611/3 | b25819.d | 09/22/2009 09:44 |
| | 460-5782-A-4 MS | b25827.d | 09/22/2009 13:24 |
| | 460-5782-A-4 MSD | b25828.d | 09/22/2009 13:50 |
| MW-34 | 460-5722-2 | b25837.d | 09/22/2009 18:27 |

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: b25843.d Lab Sample ID: MB 460-17679/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VOAMS2 Date Analyzed: 09/22/2009 22:28

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 460-17679/3 | b25841.d | 09/22/2009 21:27 |
| | 460-5835-A-5 MS | b25845.d | 09/22/2009 23:19 |
| | 460-5835-A-5 MSD | b25846.d | 09/22/2009 23:45 |
| MW-32 | 460-5722-6 | b25858.d | 09/23/2009 05:02 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: b25720.d BFB Injection Date: 09/19/2009

Instrument ID: VOAMS2 BFB Injection Time: 06:59

Analysis Batch No.: 17465

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 17.3 | |
| 75 | 30.0 - 60.0 % of mass 95 | 47.2 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.7 | |
| 173 | Less than 2.0 % of mass 174 | 0.5 | (0.6)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 87.6 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.0 | (6.9)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 84.8 | (96.8)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.4 | (6.4)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | IC 460-17465/2 | b25722.d | 09/19/2009 | 07:48 |
| | IC 460-17465/3 | b25724.d | 09/19/2009 | 08:41 |
| | ICIS 460-17465/4 | b25725.d | 09/19/2009 | 09:08 |
| | IC 460-17465/5 | b25726.d | 09/19/2009 | 09:34 |
| | IC 460-17465/6 | b25727.d | 09/19/2009 | 10:01 |
| | IC 460-17465/7 | b25728.d | 09/19/2009 | 10:27 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: b25785.d BFB Injection Date: 09/21/2009

Instrument ID: VOAMS2 BFB Injection Time: 16:37

Analysis Batch No.: 17535

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 19.7 | |
| 75 | 30.0 - 60.0 % of mass 95 | 49.8 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.8 | |
| 173 | Less than 2.0 % of mass 174 | 0.6 | (0.8)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 83.1 | |
| 175 | 5.0 - 9.0 % of mass 174 | 5.8 | (7.0)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 80.1 | (96.3)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.3 | (6.6)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17535/2 | b25787.d | 09/21/2009 | 17:34 |
| | LCS 460-17535/3 | b25789.d | 09/21/2009 | 18:41 |
| | MB 460-17535/4 | b25792.d | 09/21/2009 | 20:11 |
| TW-02RR | 460-5722-3 | b25793.d | 09/21/2009 | 20:38 |
| TW-02RR MS | 460-5722-3 MS | b25794.d | 09/21/2009 | 21:04 |
| TW-02RR MSD | 460-5722-3 MSD | b25795.d | 09/21/2009 | 21:30 |
| Trip Blank 091509 | 460-5722-10 | b25798.d | 09/21/2009 | 22:48 |
| MW-31 | 460-5722-1 | b25799.d | 09/21/2009 | 23:14 |
| MW-9S | 460-5722-5 | b25800.d | 09/21/2009 | 23:40 |
| DUP-091509 | 460-5722-4 | b25802.d | 09/22/2009 | 00:34 |
| TW-01 | 460-5722-7 | b25804.d | 09/22/2009 | 01:26 |
| MW-35 | 460-5722-8 | b25805.d | 09/22/2009 | 01:53 |
| MW-36 | 460-5722-9 | b25806.d | 09/22/2009 | 02:20 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: b25816.d BFB Injection Date: 09/22/2009

Instrument ID: VOAMS2 BFB Injection Time: 08:11

Analysis Batch No.: 17611

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 19.3 | |
| 75 | 30.0 - 60.0 % of mass 95 | 47.5 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.4 | |
| 173 | Less than 2.0 % of mass 174 | 0.7 | (0.9)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 78.9 | |
| 175 | 5.0 - 9.0 % of mass 174 | 5.3 | (6.7)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 75.7 | (95.9)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 4.6 | (6.1)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17611/2 | b25818.d | 09/22/2009 | 09:08 |
| | LCS 460-17611/3 | b25819.d | 09/22/2009 | 09:44 |
| | MB 460-17611/4 | b25821.d | 09/22/2009 | 10:36 |
| | 460-5782-A-4 MS | b25827.d | 09/22/2009 | 13:24 |
| | 460-5782-A-4 MSD | b25828.d | 09/22/2009 | 13:50 |
| MW-34 | 460-5722-2 | b25837.d | 09/22/2009 | 18:27 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: b25838.d BFB Injection Date: 09/22/2009

Instrument ID: VOAMS2 BFB Injection Time: 20:01

Analysis Batch No.: 17679

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 20.2 | |
| 75 | 30.0 - 60.0 % of mass 95 | 47.2 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.8 | |
| 173 | Less than 2.0 % of mass 174 | 0.5 | (0.6)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 79.3 | |
| 175 | 5.0 - 9.0 % of mass 174 | 5.3 | (6.7)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 75.6 | (95.3)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 3.9 | (5.2)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17679/2 | b25839.d | 09/22/2009 | 20:24 |
| | LCS 460-17679/3 | b25841.d | 09/22/2009 | 21:27 |
| | MB 460-17679/4 | b25843.d | 09/22/2009 | 22:28 |
| | 460-5835-A-5 MS | b25845.d | 09/22/2009 | 23:19 |
| | 460-5835-A-5 MSD | b25846.d | 09/22/2009 | 23:45 |
| MW-32 | 460-5722-6 | b25858.d | 09/23/2009 | 05:02 |

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Sample No.: CCVIS 460-17535/2 Date Analyzed: 09/21/2009 17:34

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): b25787.d Heated Purge: (Y/N) N

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 1062796 | 4.55 | 793718 | 8.05 | 379286 | 9.98 |
| UPPER LIMIT | | 2125592 | 5.05 | 1587436 | 8.55 | 758572 | 10.48 |
| LOWER LIMIT | | 531398 | 4.05 | 396859 | 7.55 | 189643 | 9.48 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17535/3 | | 1067766 | 4.55 | 795171 | 8.05 | 385721 | 9.98 |
| MB 460-17535/4 | | 1031045 | 4.55 | 770057 | 8.05 | 373244 | 9.98 |
| 460-5722-3 | TW-02RR | 1028446 | 4.55 | 772122 | 8.05 | 372562 | 9.98 |
| 460-5722-3 MS | TW-02RR MS | 1055652 | 4.55 | 790661 | 8.05 | 388794 | 9.98 |
| 460-5722-3 MSD | TW-02RR MSD | 1057656 | 4.55 | 797974 | 8.06 | 391122 | 9.98 |
| 460-5722-10 | Trip Blank 091509 | 1028075 | 4.55 | 767927 | 8.05 | 378574 | 9.98 |
| 460-5722-1 | MW-31 | 1027756 | 4.55 | 774270 | 8.05 | 385118 | 9.98 |
| 460-5722-5 | MW-9S | 1051785 | 4.55 | 800705 | 8.05 | 403299 | 9.98 |
| 460-5722-4 | DUP-091509 | 1027288 | 4.55 | 764388 | 8.05 | 375154 | 9.98 |
| 460-5722-7 | TW-01 | 1020225 | 4.55 | 766588 | 8.05 | 376467 | 9.98 |
| 460-5722-8 | MW-35 | 1009833 | 4.55 | 759117 | 8.05 | 370112 | 9.98 |
| 460-5722-9 | MW-36 | 1006702 | 4.55 | 755638 | 8.05 | 366320 | 9.98 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Sample No.: CCVIS 460-17611/2 Date Analyzed: 09/22/2009 09:08

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): b25818.d Heated Purge: (Y/N) N

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 1029595 | 4.55 | 766233 | 8.05 | 371771 | 9.98 |
| UPPER LIMIT | | 2059190 | 5.05 | 1532466 | 8.55 | 743542 | 10.48 |
| LOWER LIMIT | | 514798 | 4.05 | 383117 | 7.55 | 185886 | 9.48 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17611/3 | | 1030239 | 4.55 | 765637 | 8.05 | 367589 | 9.98 |
| MB 460-17611/4 | | 1006689 | 4.55 | 754732 | 8.06 | 369038 | 9.98 |
| 460-5782-A-4 MS | | 1018236 | 4.55 | 757494 | 8.06 | 369927 | 9.98 |
| 460-5782-A-4 MSD | | 1031704 | 4.55 | 766535 | 8.05 | 367587 | 9.98 |
| 460-5722-2 | MW-34 | 973929 | 4.55 | 736385 | 8.05 | 356393 | 9.98 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Sample No.: CCVIS 460-17679/2 Date Analyzed: 09/22/2009 20:24

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): b25839.d Heated Purge: (Y/N) N

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 1025027 | 4.55 | 770537 | 8.05 | 371700 | 9.98 |
| UPPER LIMIT | | 2050054 | 5.05 | 1541074 | 8.55 | 743400 | 10.48 |
| LOWER LIMIT | | 512514 | 4.05 | 385269 | 7.55 | 185850 | 9.48 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17679/3 | | 1044903 | 4.55 | 785638 | 8.05 | 381868 | 9.98 |
| MB 460-17679/4 | | 1008857 | 4.55 | 756815 | 8.06 | 370514 | 9.98 |
| 460-5835-A-5 MS | | 1023439 | 4.55 | 770305 | 8.05 | 379010 | 9.98 |
| 460-5835-A-5 MSD | | 1029838 | 4.55 | 773509 | 8.05 | 376006 | 9.98 |
| 460-5722-6 | MW-32 | 953043 | 4.55 | 728840 | 8.05 | 351882 | 9.98 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-31 Lab Sample ID: 460-5722-1

Matrix: Water Lab File ID: b25799.d

Analysis Method: 8260B Date Collected: 09/15/2009 14:05

Sample wt/vol: 5(mL) Date Analyzed: 09/21/2009 23:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17535 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 10 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 0.49 | J | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 2.0 | J | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 85 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 85 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25799.d
Report Date: 22-Sep-2009 08:52

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25799.d
Lab Smp Id: 460-5722-E-1 Client Smp ID: MW-31
Inj Date : 21-SEP-2009 23:14
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5722-E-1
Misc Info : 460-5722-E-1
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 5434 | 6.12581 | 6.1 |
| | 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.461) | 4305 | 0.27863 | 0.28(a) |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 8682 | 18.7303 | 19(a) |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 4932 | 1.00783 | 1.0 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 1569 | 0.48939 | 0.49(a) |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 4001 | 0.47139 | 0.47(a) |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 3001 | 1.82749 | 1.8 |
| | 42 Chloroform | 83 | 3.710 | 3.718 | (0.815) | 2953 | 0.33987 | 0.34(a) |
| | 44 Cyclohexane | 56 | 3.899 | 3.899 | (0.857) | 61714 | 7.52947 | 7.5 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 210042 | 42.2923 | 42 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 197936 | 10.0196 | 10 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1027756 | 50.0000 | |
| | 55 Ethyl Acrylate | 55 | 5.117 | 5.142 | (1.125) | 60301 | 4.42870 | 4.4 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.442 | 6.450 | (0.800) | 643599 | 43.9228 | 44 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 10138 | 0.48606 | 0.49(a) |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 774270 | 50.0000 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25799.d
Report Date: 22-Sep-2009 08:52

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 165690 | 12.5420 | 12 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 3969 | 0.47647 | 0.48(a) |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 12365 | 1.52908 | 1.5 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 77456 | 4.04628 | 4.0 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 252424 | 42.4022 | 42 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 9867 | 0.40835 | 0.41(a) |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 5176 | 0.37130 | 0.37(a) |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 27259 | 1.34678 | 1.3 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 385118 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 12417 | 1.14407 | 1.1 |
| | 106 n-Butylbenzene | 91 | 10.244 | 10.269 | (1.026) | 6529 | 0.41131 | 0.41(a) |
| | 111 1,2-Dichlorobenzene | 146 | 10.260 | 10.260 | (1.028) | 55259 | 5.55546 | 5.6 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 4932 | 0.93899 | 0.94(a) |
| M | 121 Xylene (Total) | 100 | | | | 16334 | 1.98016 | 2.0(a) |

QC Flag Legend

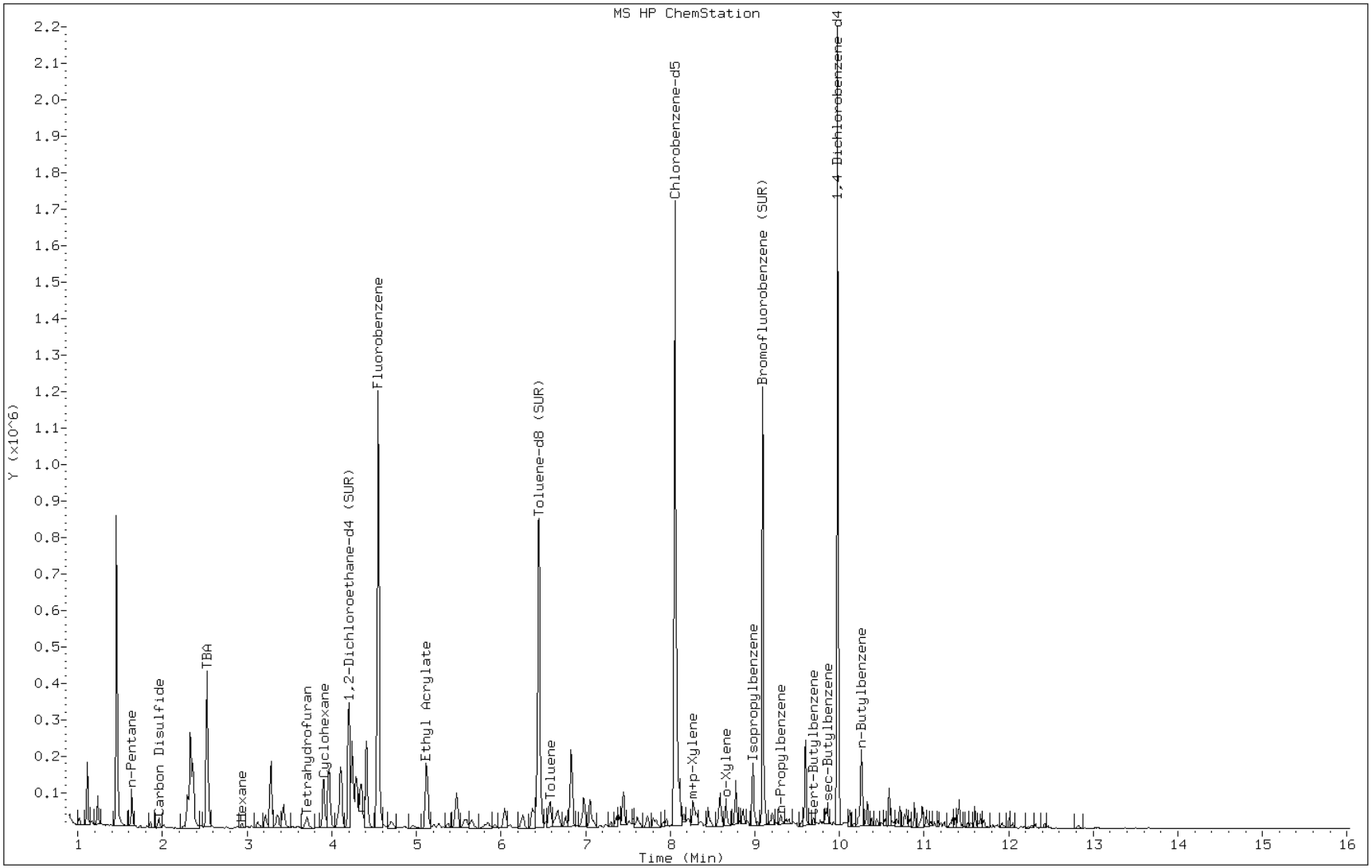
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b25799.d

Date: 21-SEP-2009 23:14

Client ID: MW-31 Instrument: VOAMS2.i

Sample Info: 460-5722-E-1 Operator:



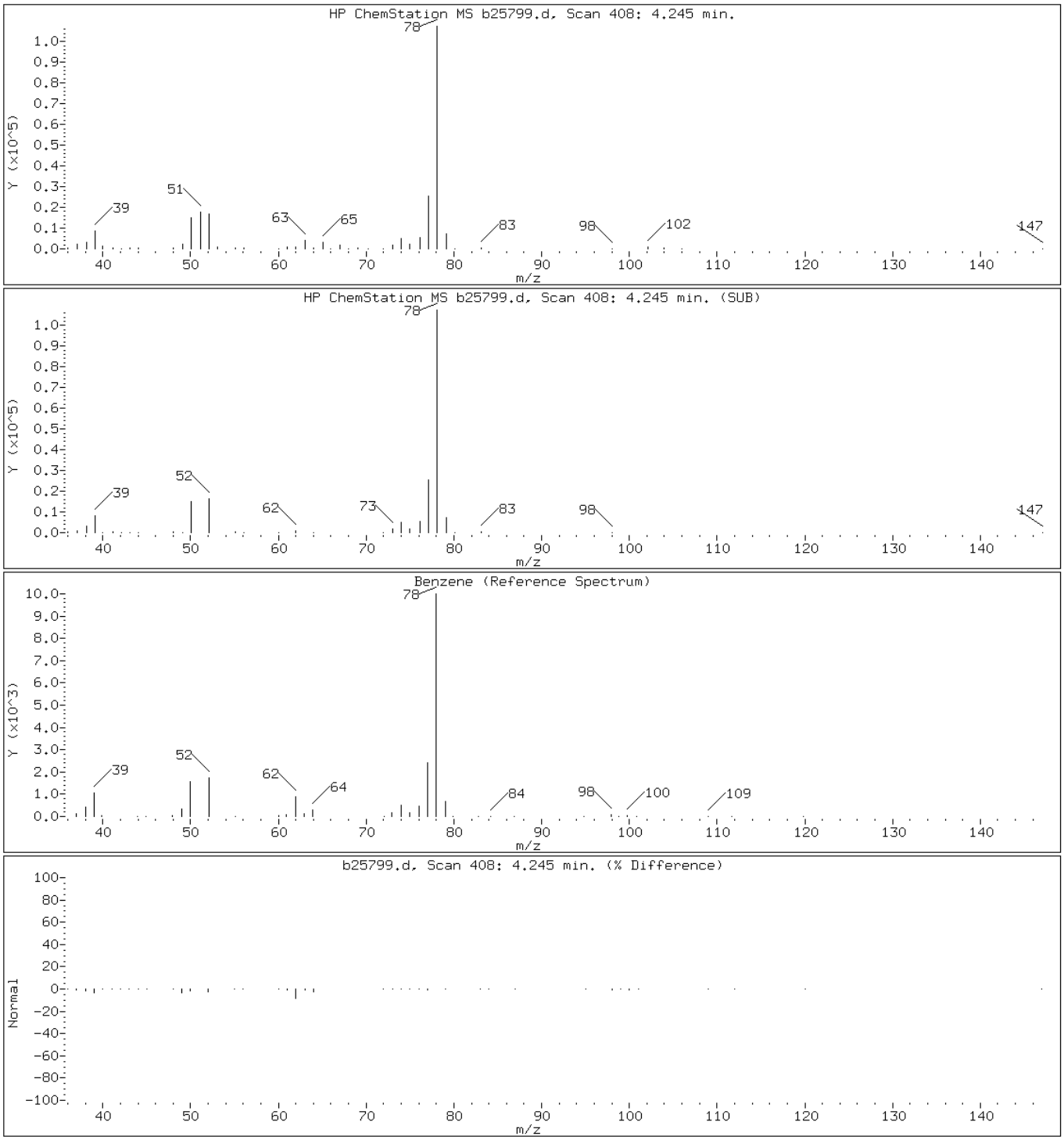
Data File: b25799.d

Date: 21-SEP-2009 23:14

Client ID: MW-31 Instrument: VOAMS2.i

Sample Info: 460-5722-E-1 Operator:

48 Benzene



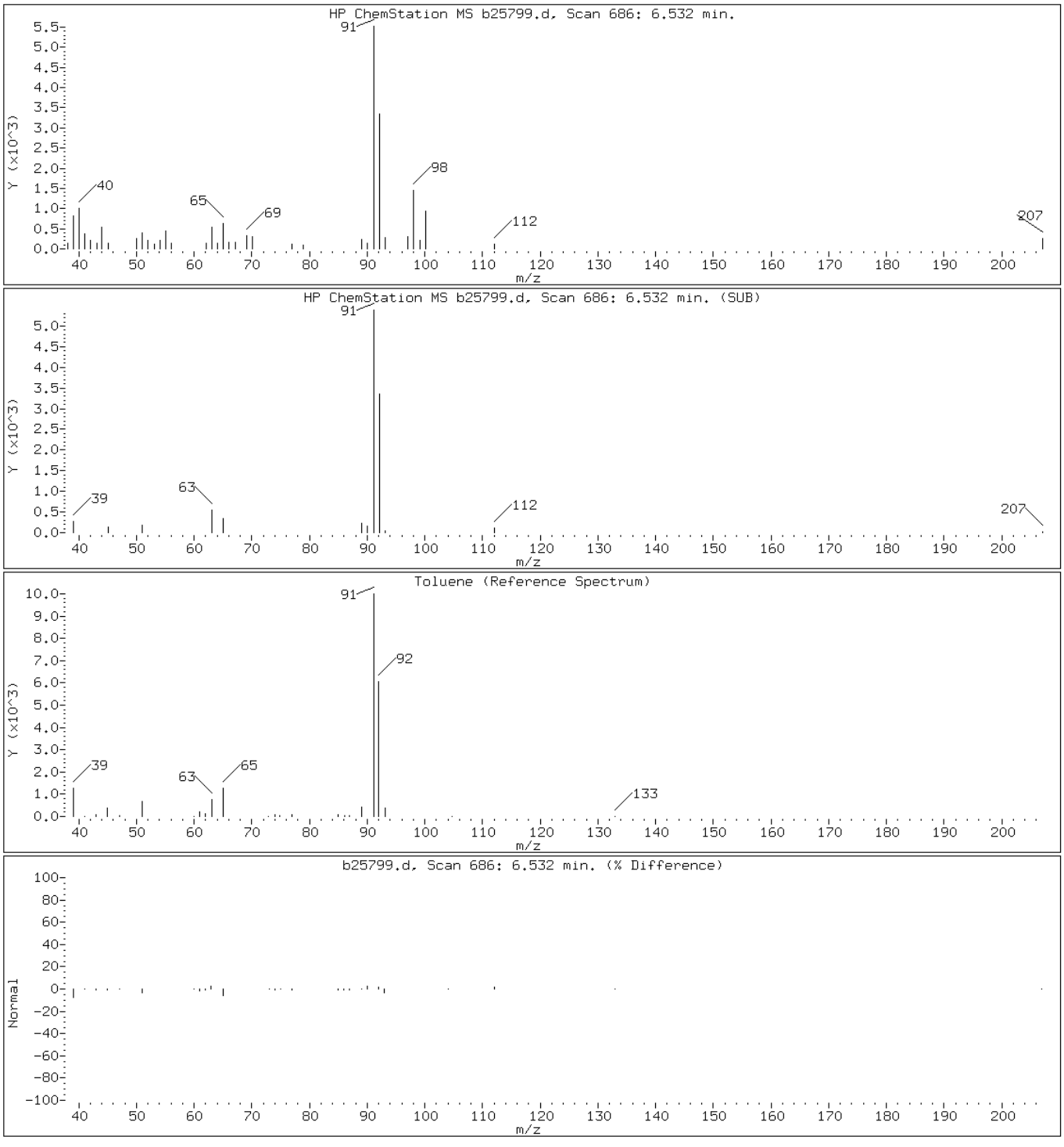
Data File: b25799.d

Date: 21-SEP-2009 23:14

Client ID: MW-31 Instrument: VOAMS2.i

Sample Info: 460-5722-E-1 Operator:

66 Toluene



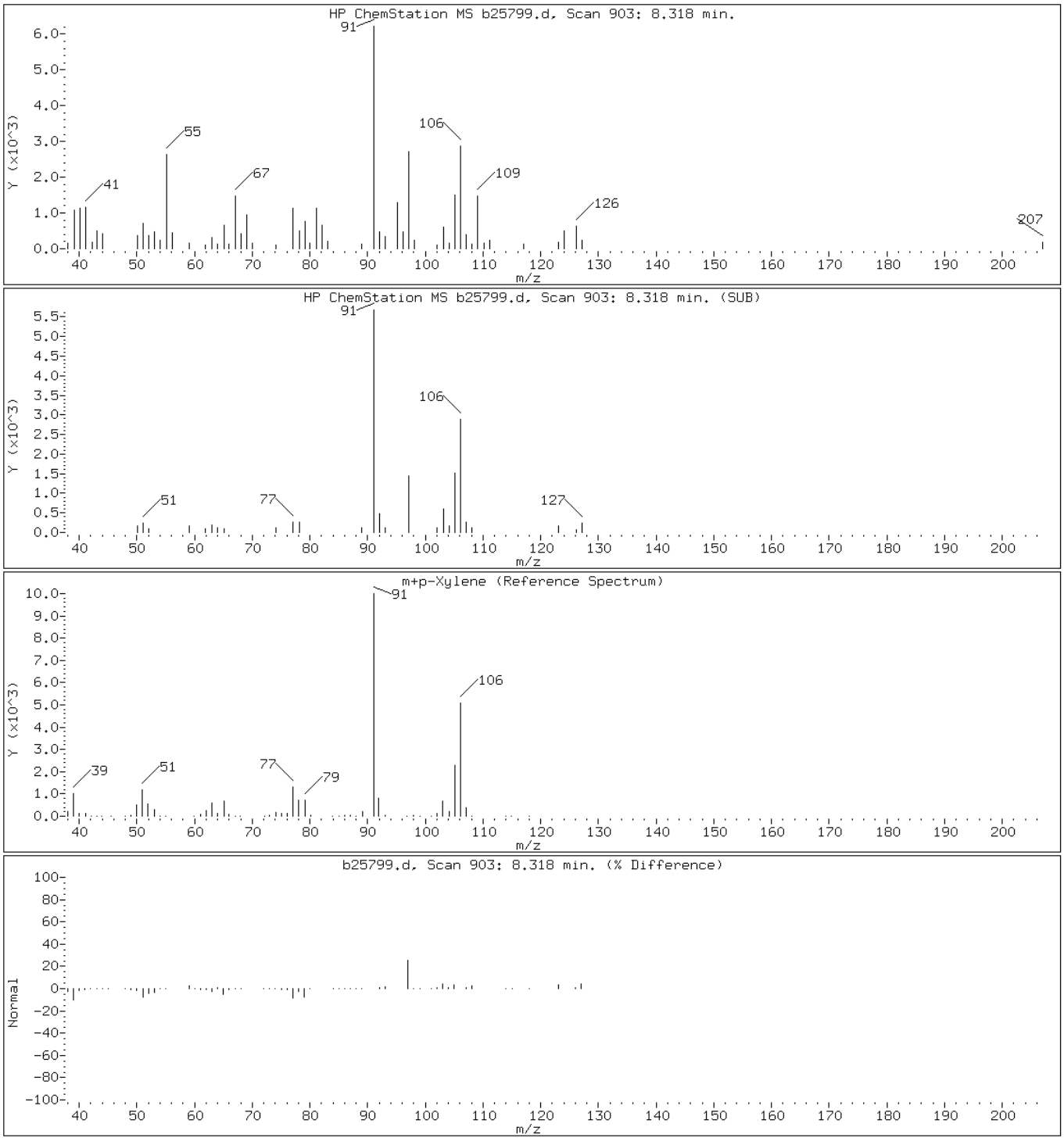
Data File: b25799.d

Date: 21-SEP-2009 23:14

Client ID: MW-31 Instrument: VOAMS2.i

Sample Info: 460-5722-E-1 Operator:

82 m+p-Xylene



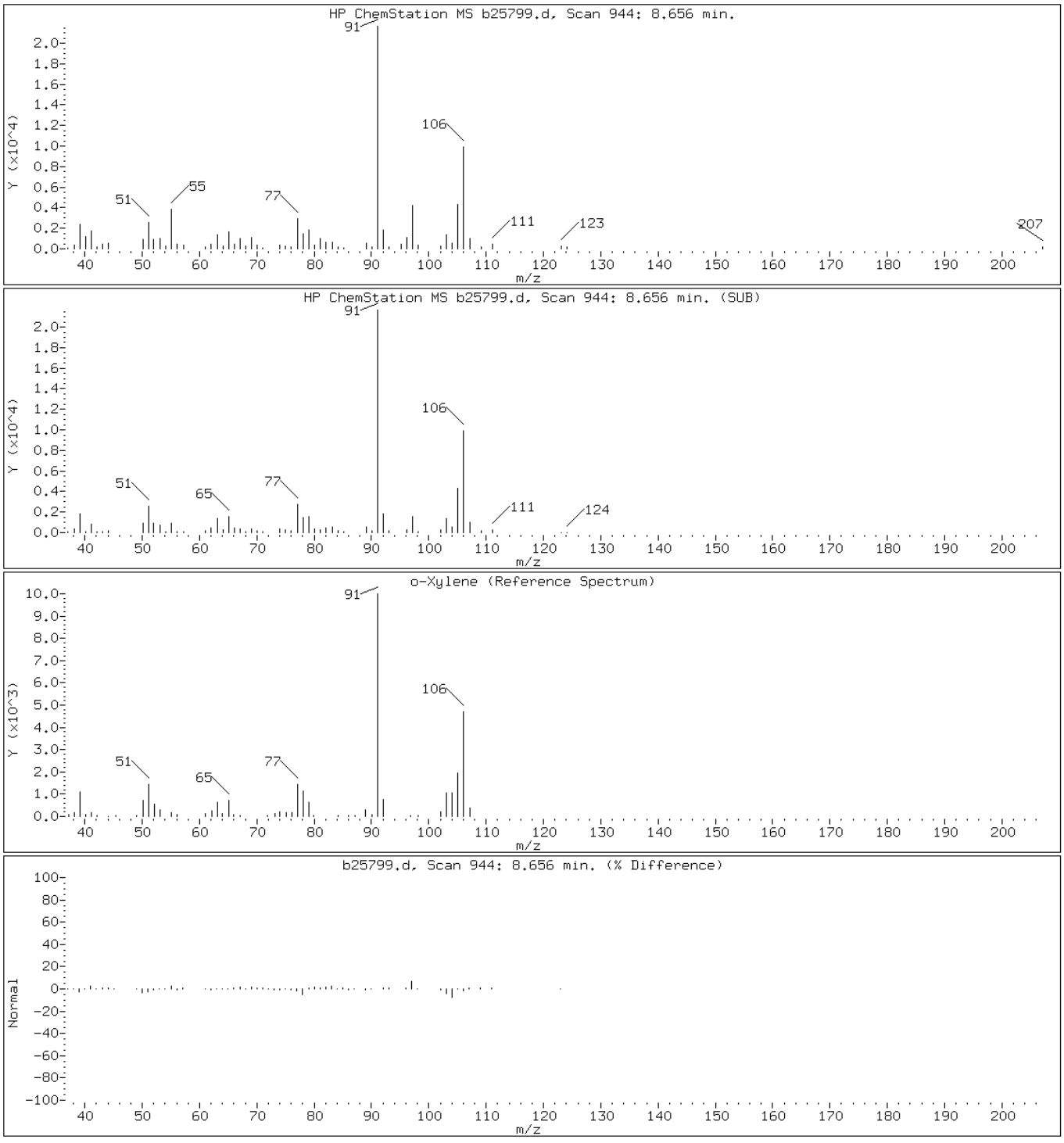
Data File: b25799.d

Date: 21-SEP-2009 23:14

Client ID: MW-31 Instrument: VOAMS2.i

Sample Info: 460-5722-E-1 Operator:

84 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-34 | Lab Sample ID: 460-5722-2

Matrix: Water | Lab File ID: b25837.d

Analysis Method: 8260B | Date Collected: 09/15/2009 12:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 18:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17611 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 24 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 0.64 | J | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 1.7 | J | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 85 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 83 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 86 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25837.d
Report Date: 25-Sep-2009 17:08

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25837.d
Lab Smp Id: 460-5722-E-2 Client Smp ID: MW-34
Inj Date : 22-SEP-2009 18:27
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5722-E-2
Misc Info : 460-5722-E-2
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/8260_09.m
Meth Date : 22-Sep-2009 09:33 desais Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 11816 | 24.0998 | 24 |
| | 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.461) | 9631 | 0.65780 | 0.66(a) |
| | 24 TBA | 59 | 2.450 | 2.450 | (0.539) | 3616 | 8.23222 | 8.2(a) |
| | 25 trans-1,2-Dichloroethene | 96 | 2.541 | 2.533 | (0.559) | 1065 | 0.22965 | 0.23(a) |
| | 28 MTBE | 73 | 2.549 | 2.541 | (0.560) | 7989 | 0.55555 | 0.56(a) |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 2666 | 0.18749 | 0.19(a) |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 1110 | 0.71330 | 0.71(a) |
| | 44 Cyclohexane | 56 | 3.907 | 3.899 | (0.859) | 17145 | 2.20740 | 2.2 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.195 | (0.924) | 199740 | 42.4407 | 42 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 973929 | 50.0000 | |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.442 | (0.801) | 597594 | 42.8814 | 43 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 12744 | 0.64243 | 0.64(a) |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 736385 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 182944 | 14.5605 | 14 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.310 | (1.033) | 5890 | 0.74346 | 0.74(a) |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 7279 | 0.94644 | 0.95(a) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25837.d
Report Date: 25-Sep-2009 17:08

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.912) | 229920 | 41.7349 | 42 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 356393 | 50.0000 | |
| 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 2965 | 0.29521 | 0.30(a) |
| 111 1,2-Dichlorobenzene | 146 | 10.260 | 10.260 | (1.028) | 8009 | 0.87008 | 0.87(a) |
| M 121 Xylene (Total) | 100 | | | | 13169 | 1.67860 | 1.7(a) |

QC Flag Legend

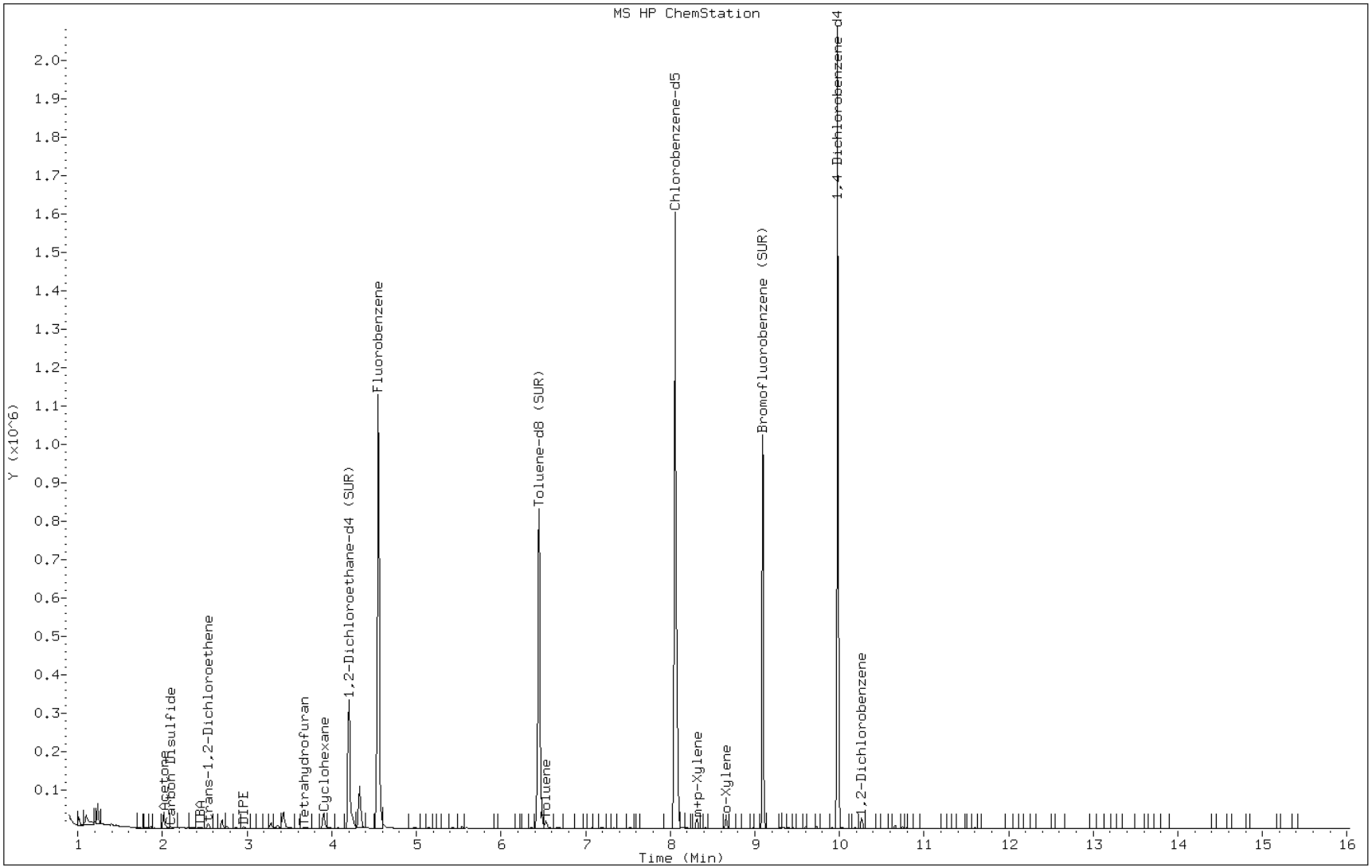
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b25837.d

Date: 22-SEP-2009 18:27

Client ID: MW-34 Instrument: VOAMS2.i

Sample Info: 460-5722-E-2 Operator:



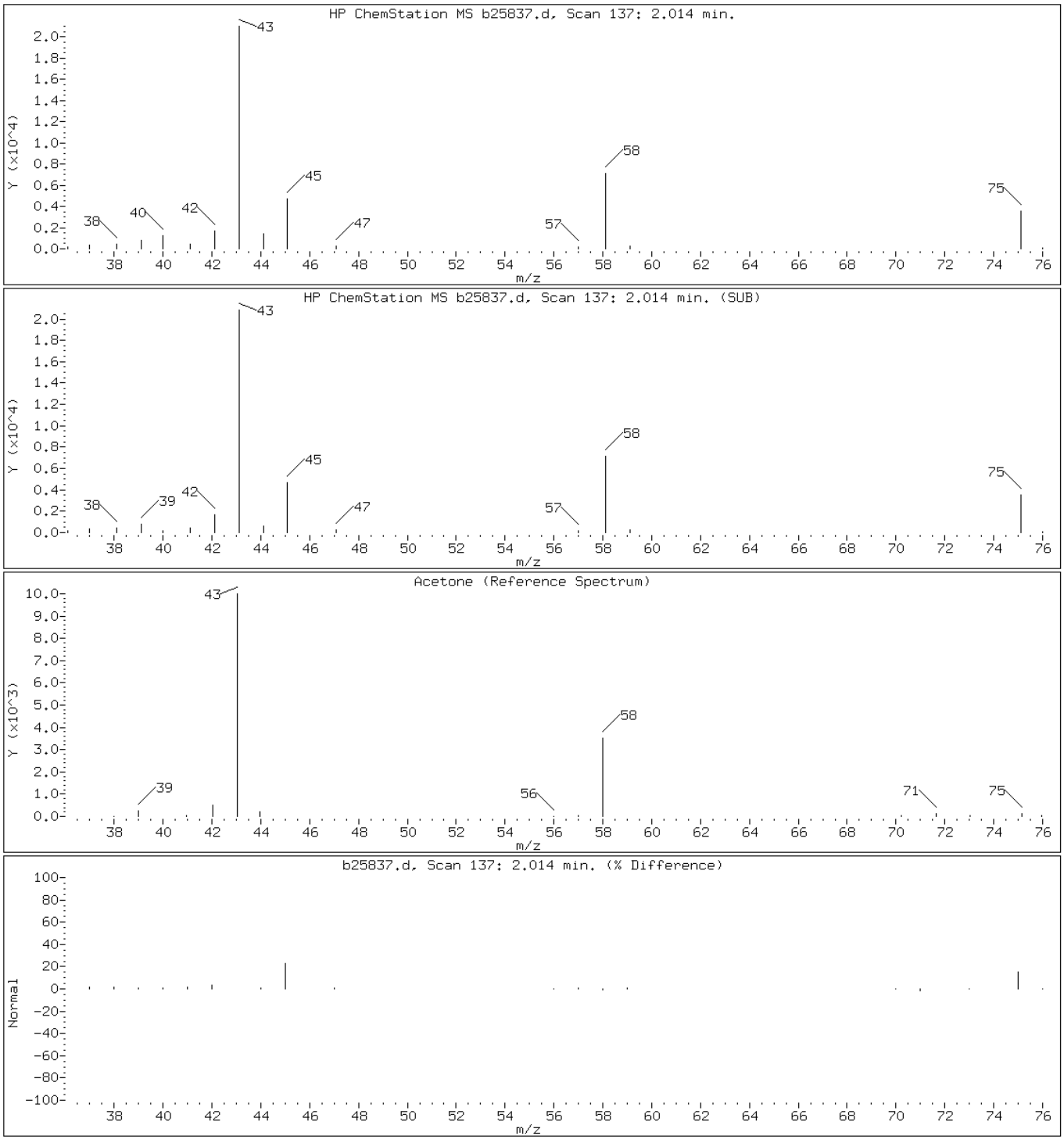
Data File: b25837.d

Date: 22-SEP-2009 18:27

Client ID: MW-34 Instrument: VOAMS2.i

Sample Info: 460-5722-E-2 Operator:

16 Acetone



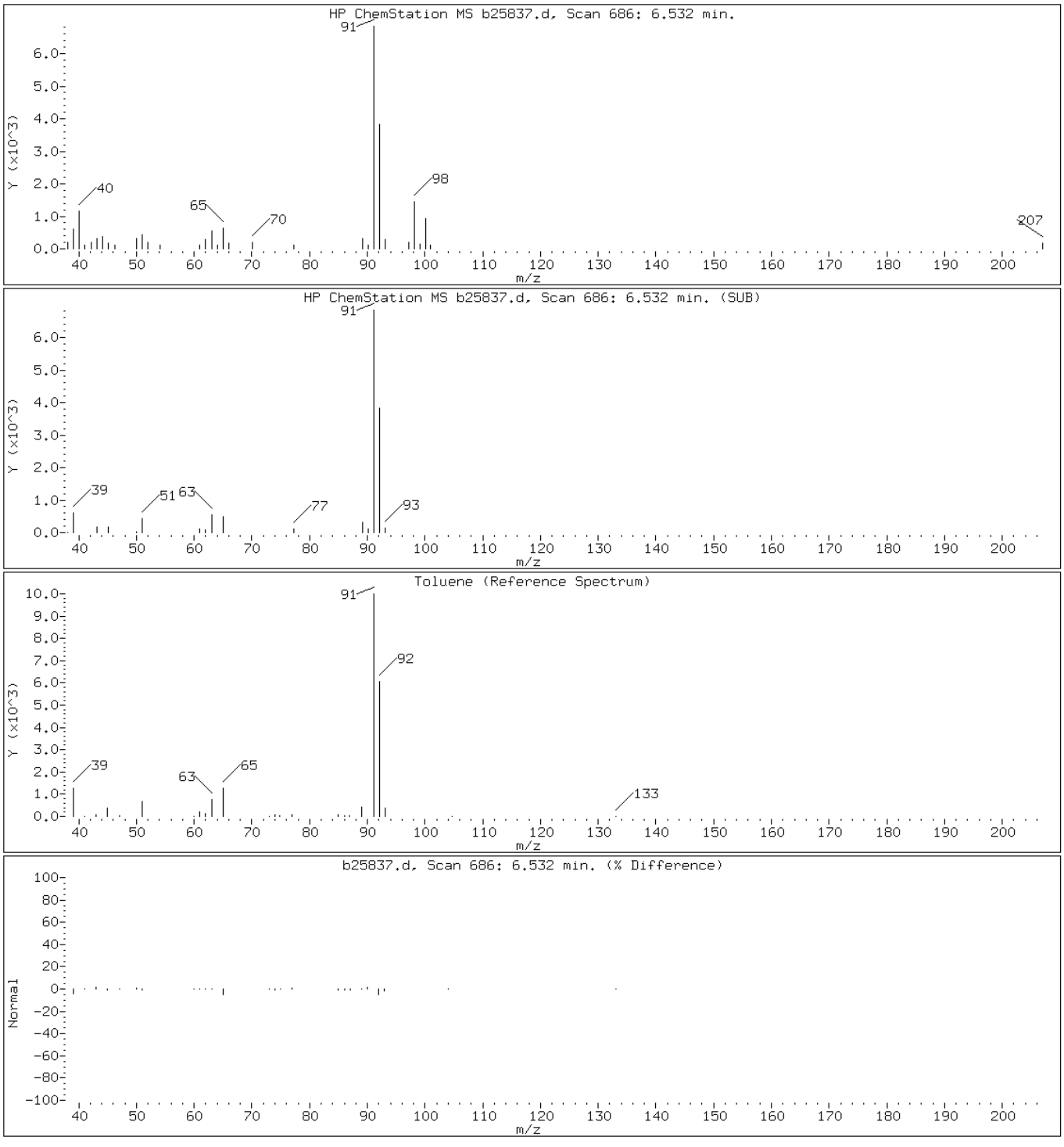
Data File: b25837.d

Date: 22-SEP-2009 18:27

Client ID: MW-34 Instrument: VOAMS2.i

Sample Info: 460-5722-E-2 Operator:

66 Toluene



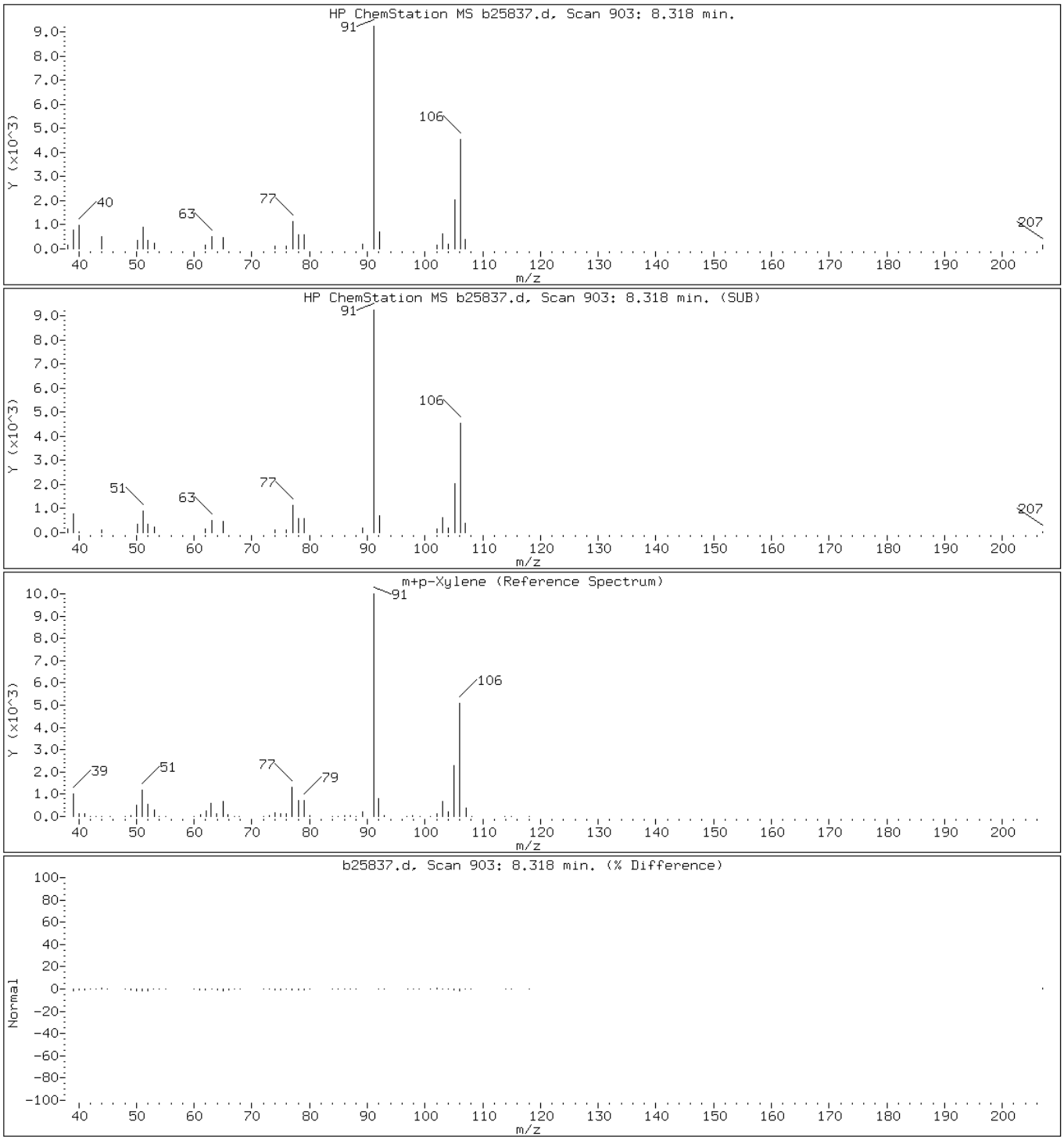
Data File: b25837.d

Date: 22-SEP-2009 18:27

Client ID: MW-34 Instrument: VOAMS2.i

Sample Info: 460-5722-E-2 Operator:

82 m+p-Xylene



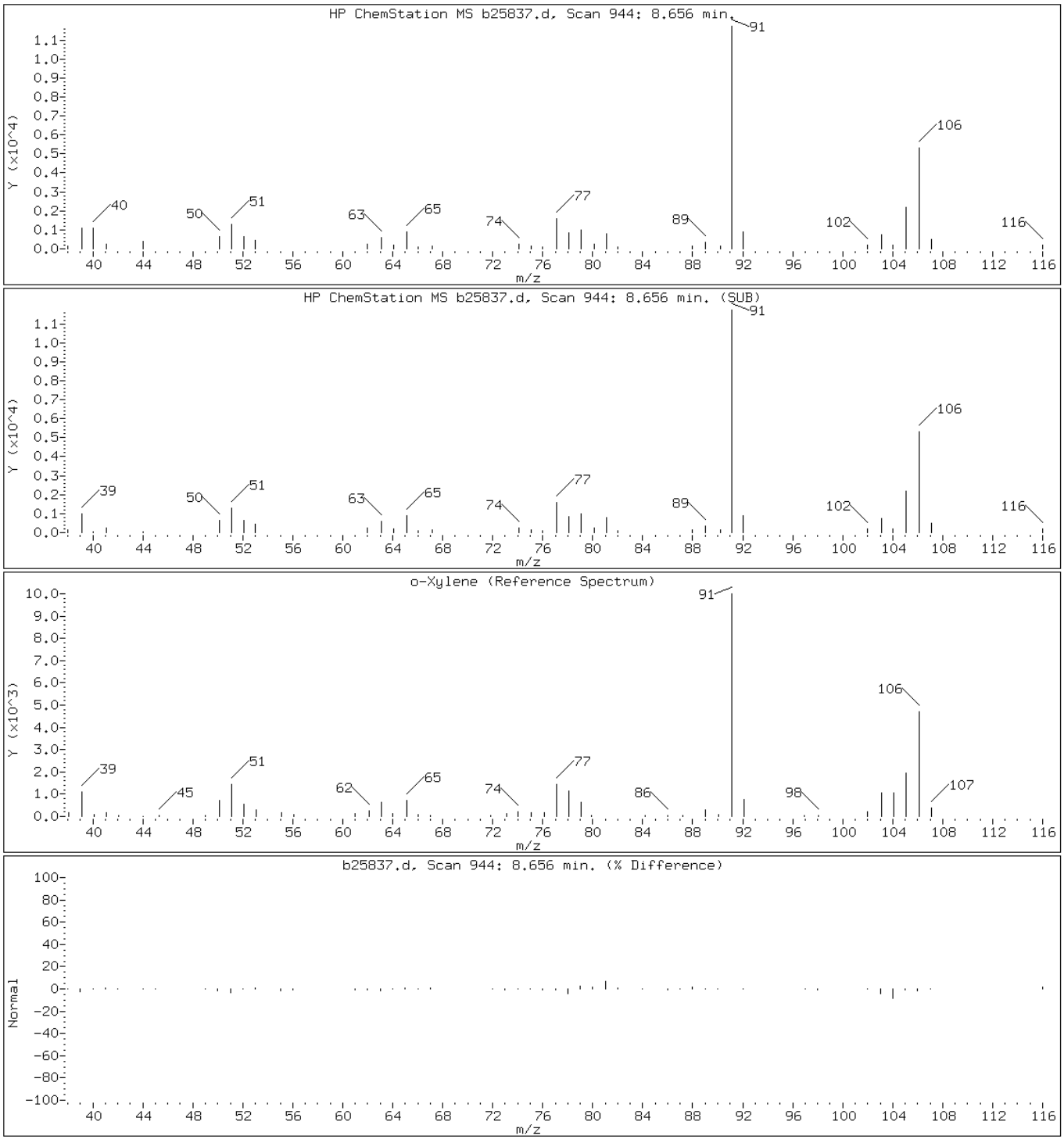
Data File: b25837.d

Date: 22-SEP-2009 18:27

Client ID: MW-34 Instrument: VOAMS2.i

Sample Info: 460-5722-E-2 Operator:

84 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-02RR | Lab Sample ID: 460-5722-3

Matrix: Water | Lab File ID: b25793.d

Analysis Method: 8260B | Date Collected: 09/15/2009 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/21/2009 20:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 4.3 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 0.79 | J | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.2 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.5 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 85 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 86 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 87 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25793.d
Report Date: 22-Sep-2009 08:34

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25793.d
Lab Smp Id: 460-5722-F-3 Client Smp ID: TW-02RR
Inj Date : 21-SEP-2009 20:38
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5722-F-3
Misc Info : 460-5722-F-3
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 18 Carbon Disulfide | 76 | 2.113 | 2.088 | (0.464) | 67085 | 4.33905 | 4.3 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 3110 | 6.70494 | 6.7(a) |
| | 28 MTBE | 73 | 2.541 | 2.541 | (0.559) | 6117 | 0.40282 | 0.40(a) |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 10049 | 6.11534 | 6.1 |
| | 44 Cyclohexane | 56 | 3.907 | 3.899 | (0.859) | 17925 | 2.18549 | 2.2 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 212419 | 42.7422 | 43 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 84247 | 4.27646 | 4.3 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1028446 | 50.0000 | |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 6684 | 0.80046 | 0.80(a) |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 632415 | 43.2796 | 43 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 16453 | 0.79102 | 0.79(a) |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 772122 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 2129266 | 161.625 | 160 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 7948 | 1.16870 | 1.2 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 15480 | 1.86352 | 1.9 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 13060 | 1.61951 | 1.6 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25793.d
Report Date: 22-Sep-2009 08:34

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 14755 | 0.77294 | 0.77(a) |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 247853 | 43.0376 | 43 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 36009 | 1.54045 | 1.5 |
| | 98 4-Chlorotoluene | 91 | 9.306 | 9.446 | (0.932) | 36009 | 2.19502 | 2.2 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 14087 | 0.85746 | 0.86(a) |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 8575 | 0.43794 | 0.44(a) |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 3181 | 0.31286 | 0.31(a) |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 372562 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 93249 | 8.88131 | 8.9 |
| | 111 1,2-Dichlorobenzene | 146 | 10.260 | 10.260 | (1.028) | 39935 | 4.15017 | 4.2 |
| M | 121 Xylene (Total) | 100 | | | | 28540 | 3.46951 | 3.5 |

QC Flag Legend

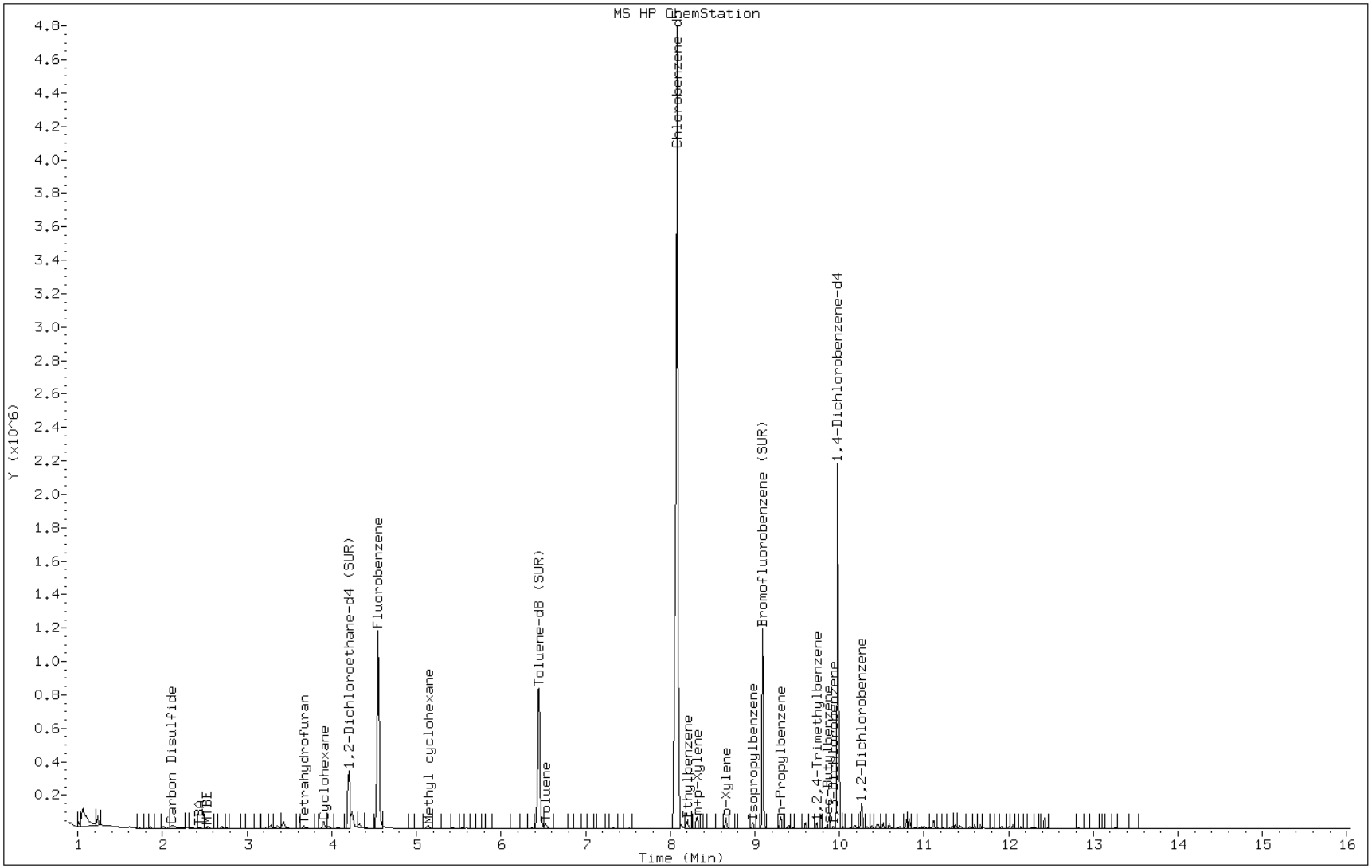
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b25793.d

Date: 21-SEP-2009 20:38

Client ID: TW-02RR Instrument: VOAMS2.i

Sample Info: 460-5722-F-3 Operator:



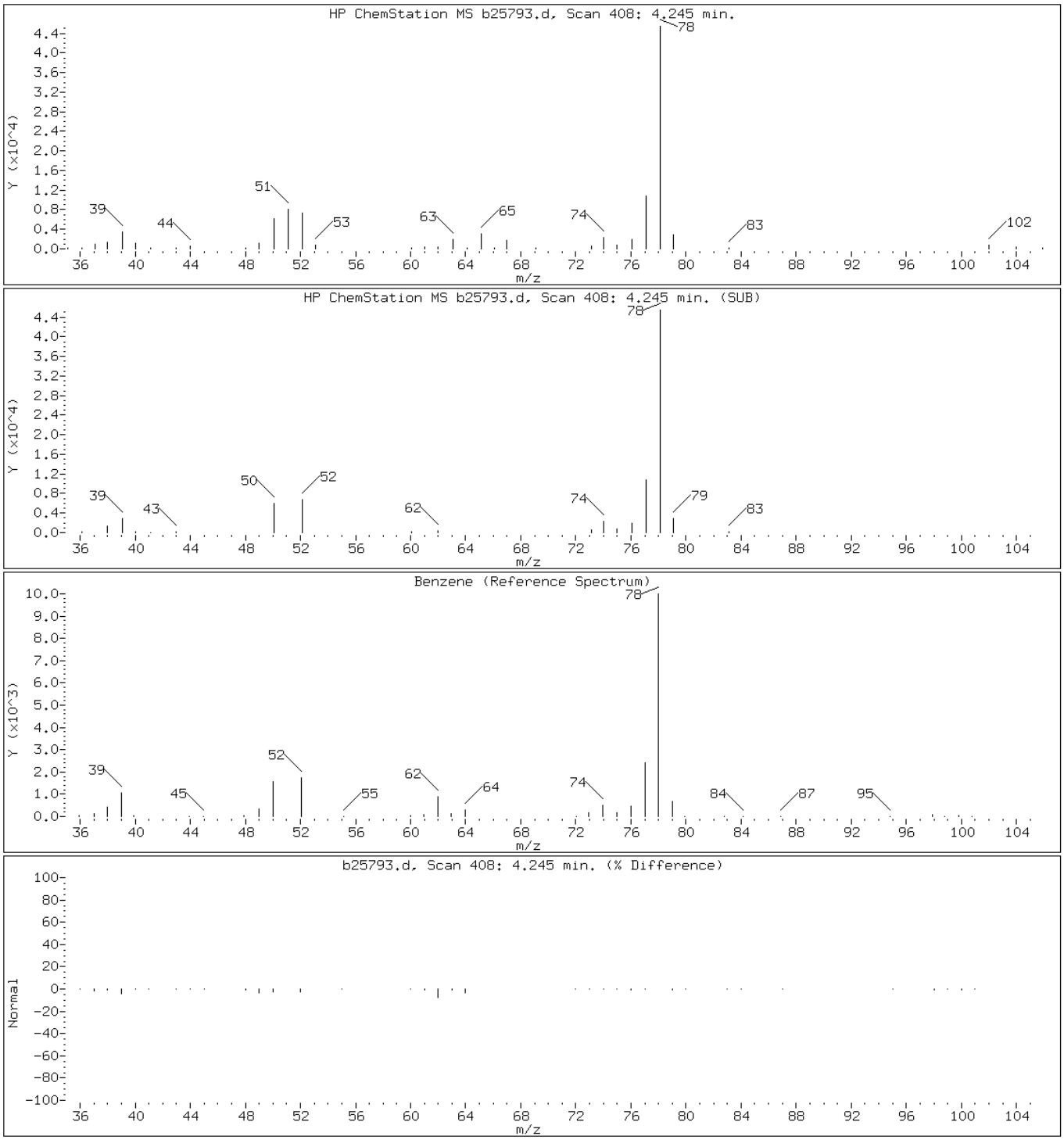
Data File: b25793.d

Date: 21-SEP-2009 20:38

Client ID: TW-02RR Instrument: VOAMS2.i

Sample Info: 460-5722-F-3 Operator:

48 Benzene



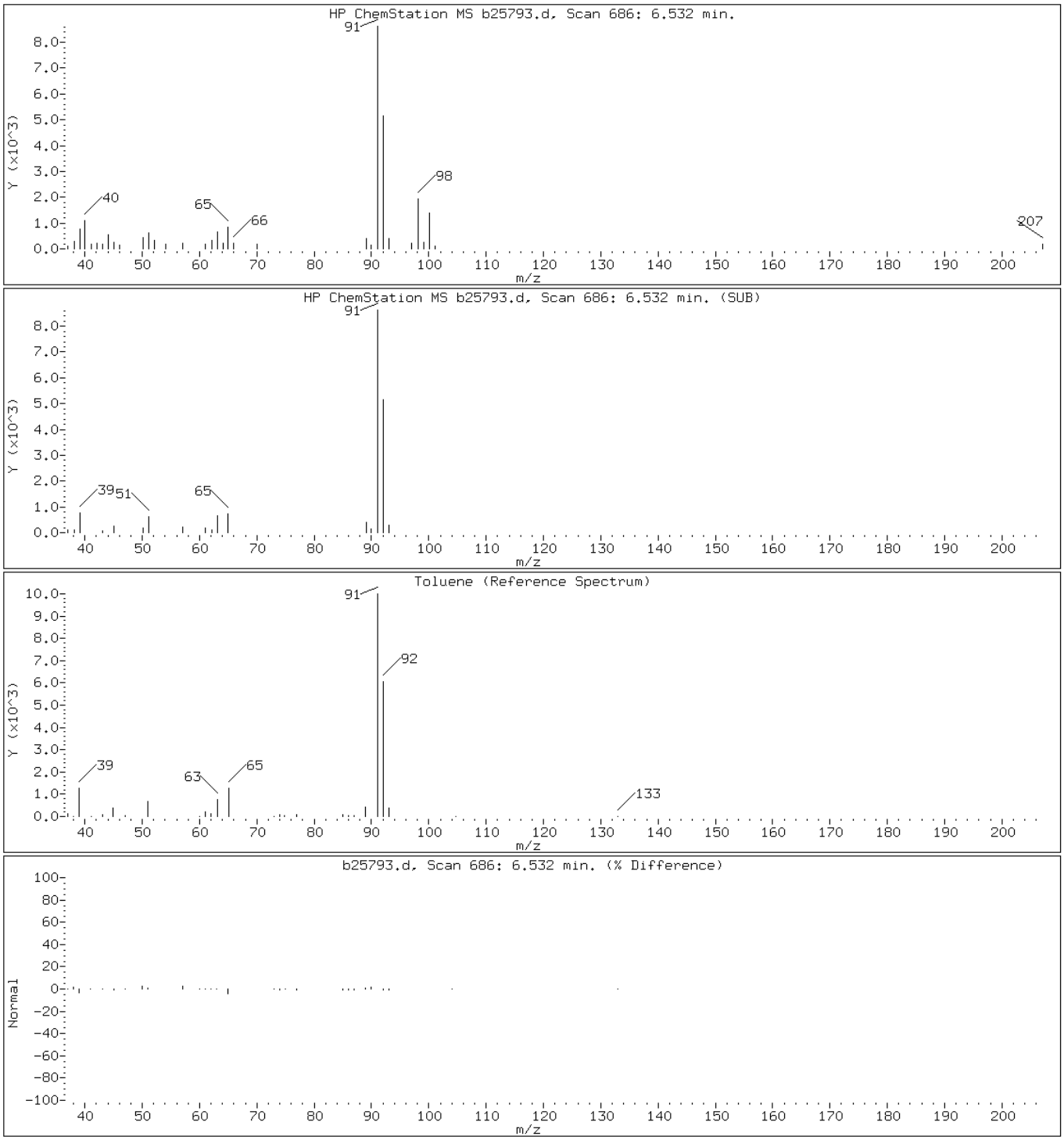
Data File: b25793.d

Date: 21-SEP-2009 20:38

Client ID: TW-02RR Instrument: VOAMS2.i

Sample Info: 460-5722-F-3 Operator:

66 Toluene



Data File: b25793.d

Date: 21-SEP-2009 20:38

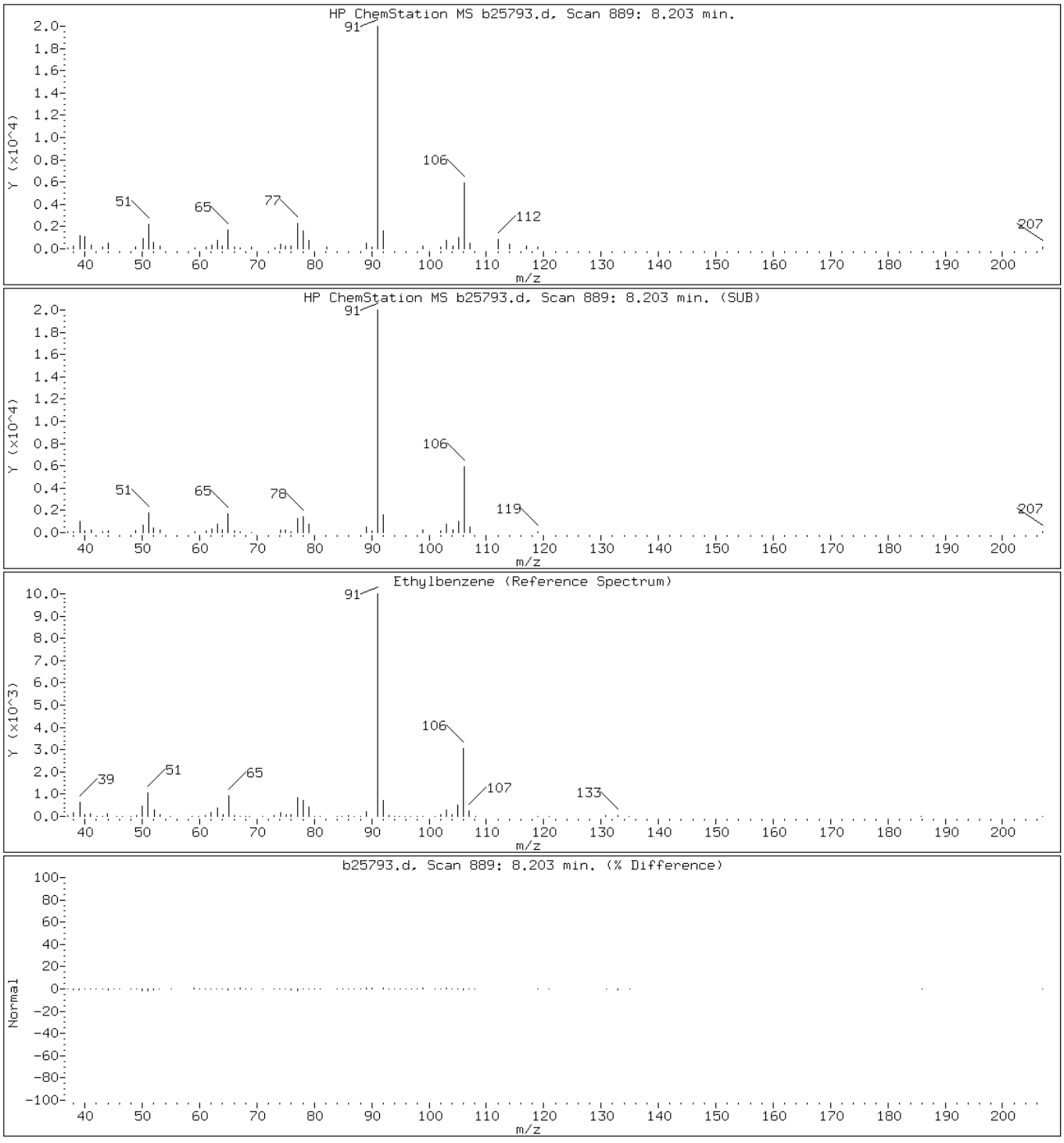
Client ID: TW-02RR

Instrument: VOAMS2.i

Sample Info: 460-5722-F-3

Operator:

81 Ethylbenzene



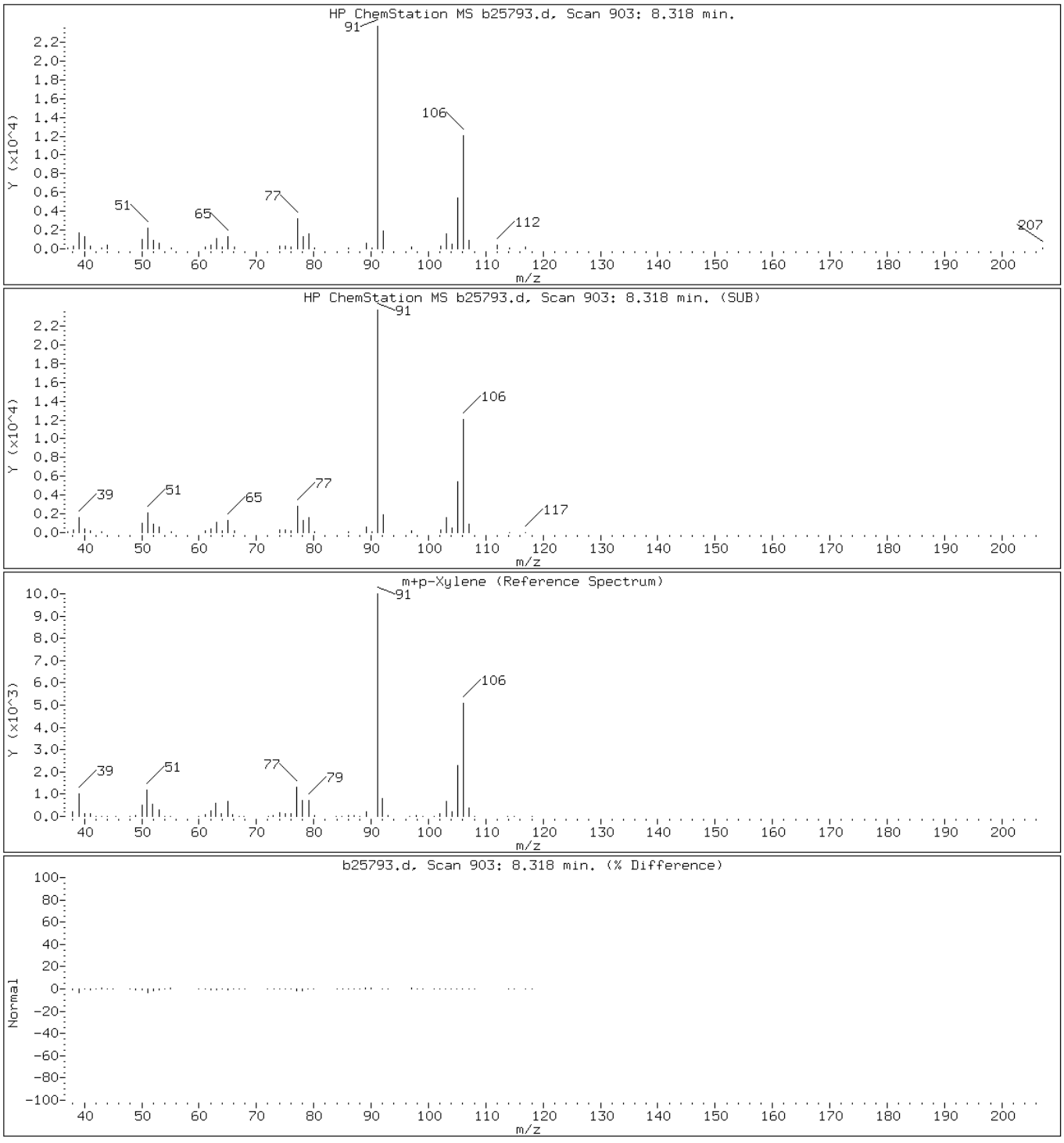
Data File: b25793.d

Date: 21-SEP-2009 20:38

Client ID: TW-02RR Instrument: VOAMS2.i

Sample Info: 460-5722-F-3 Operator:

82 m+p-Xylene



Data File: b25793.d

Date: 21-SEP-2009 20:38

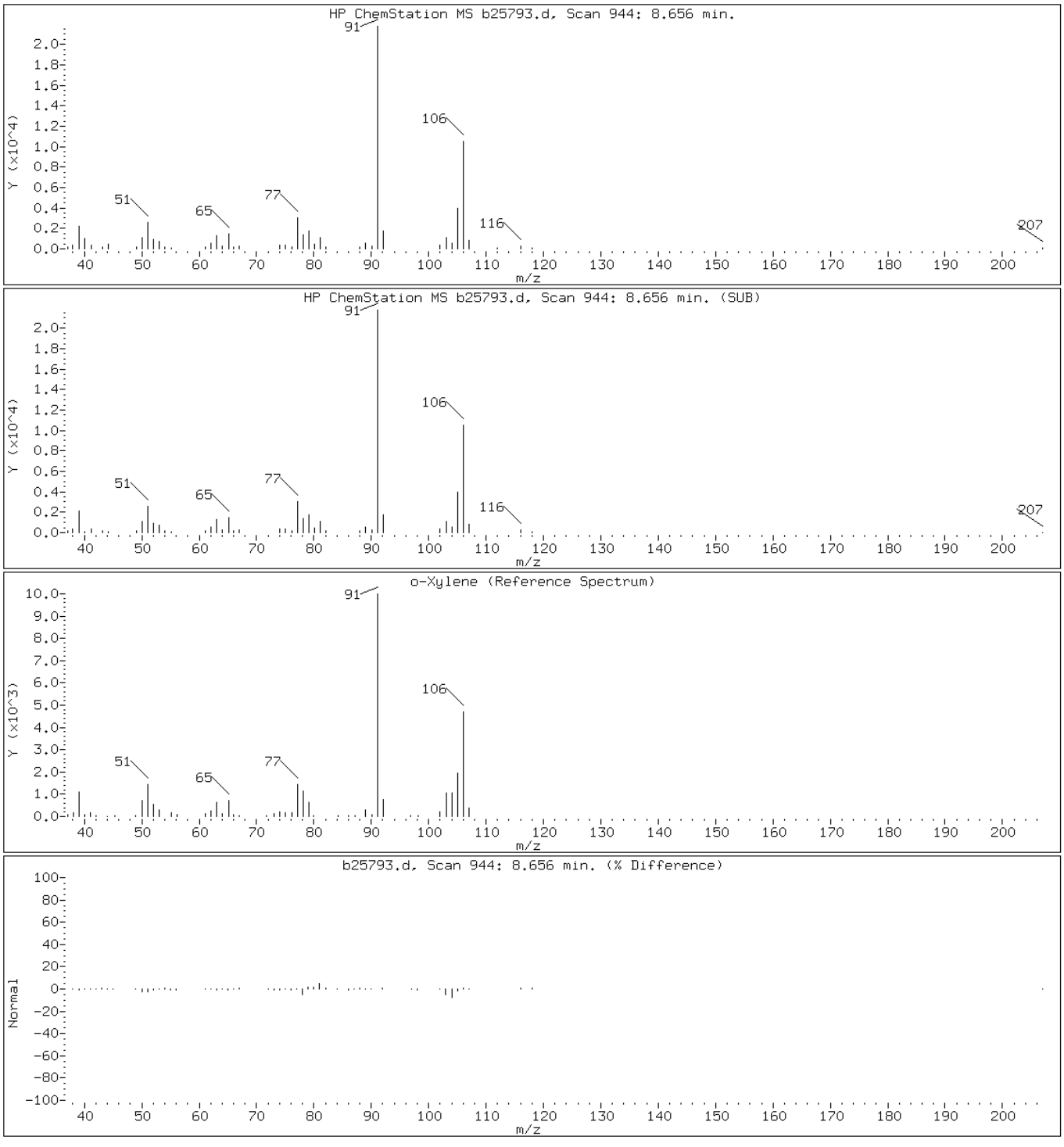
Client ID: TW-02RR

Instrument: VOAMS2.i

Sample Info: 460-5722-F-3

Operator:

84 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: DUP-091509 | Lab Sample ID: 460-5722-4

Matrix: Water | Lab File ID: b25802.d

Analysis Method: 8260B | Date Collected: 09/15/2009 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 00:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 4.2 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 0.81 | J | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.3 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.6 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 88 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 88 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 92 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25802.d
Report Date: 22-Sep-2009 10:00

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25802.d
Lab Smp Id: 460-5722-D-4 Client Smp ID: DUP-091509
Inj Date : 22-SEP-2009 00:34
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5722-D-4
Misc Info : 460-5722-D-4
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 2.451 | 2.459 | (0.539) | 3185 | 6.87437 | 6.9(a) |
| | 28 MTBE | 73 | 2.549 | 2.541 | (0.560) | 6478 | 0.42708 | 0.43(a) |
| | 41 Tetrahydrofuran | 42 | 3.669 | 3.668 | (0.806) | 10358 | 6.31049 | 6.3 |
| | 44 Cyclohexane | 56 | 3.899 | 3.899 | (0.857) | 18163 | 2.21700 | 2.2 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 218967 | 44.1094 | 44 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 82804 | 4.24574 | 4.2 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1027288 | 50.0000 | |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 7311 | 0.87654 | 0.88(a) |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 6702 | 0.49244 | 0.49(a) |
| | 68 Bromodichloromethane | 83 | 5.586 | 5.561 | (1.228) | 1293 | 0.18833 | 0.19(a) |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 662648 | 45.8075 | 46 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 16630 | 0.80762 | 0.81(a) |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 764388 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 2167341 | 166.179 | 170 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 8666 | 1.28717 | 1.3 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 15805 | 1.92190 | 1.9 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25802.d
Report Date: 22-Sep-2009 10:00

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 13901 | 1.74124 | 1.7 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 15560 | 0.82336 | 0.82(a) |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 255541 | 44.0659 | 44 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 37214 | 1.58100 | 1.6 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 15041 | 0.90920 | 0.91(a) |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 8668 | 0.43963 | 0.44(a) |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 3303 | 0.32261 | 0.32(a) |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 375154 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 95380 | 9.02151 | 9.0 |
| | 111 1,2-Dichlorobenzene | 146 | 10.261 | 10.260 | (1.028) | 41608 | 4.29416 | 4.3 |
| M | 121 Xylene (Total) | 100 | | | | 29706 | 3.64780 | 3.6 |

QC Flag Legend

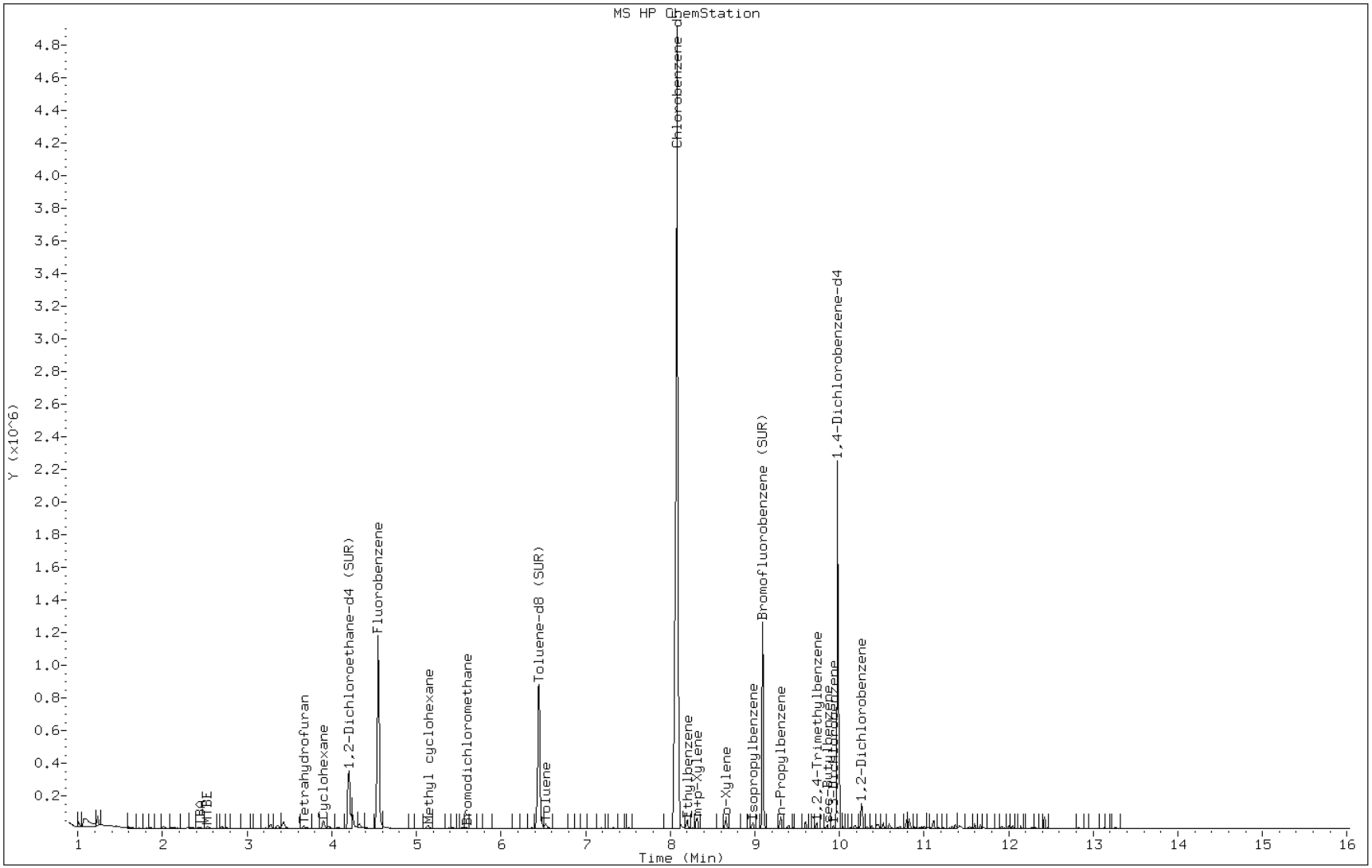
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b25802.d

Date: 22-SEP-2009 00:34

Client ID: DUP-091509 Instrument: VOAMS2.i

Sample Info: 460-5722-D-4 Operator:



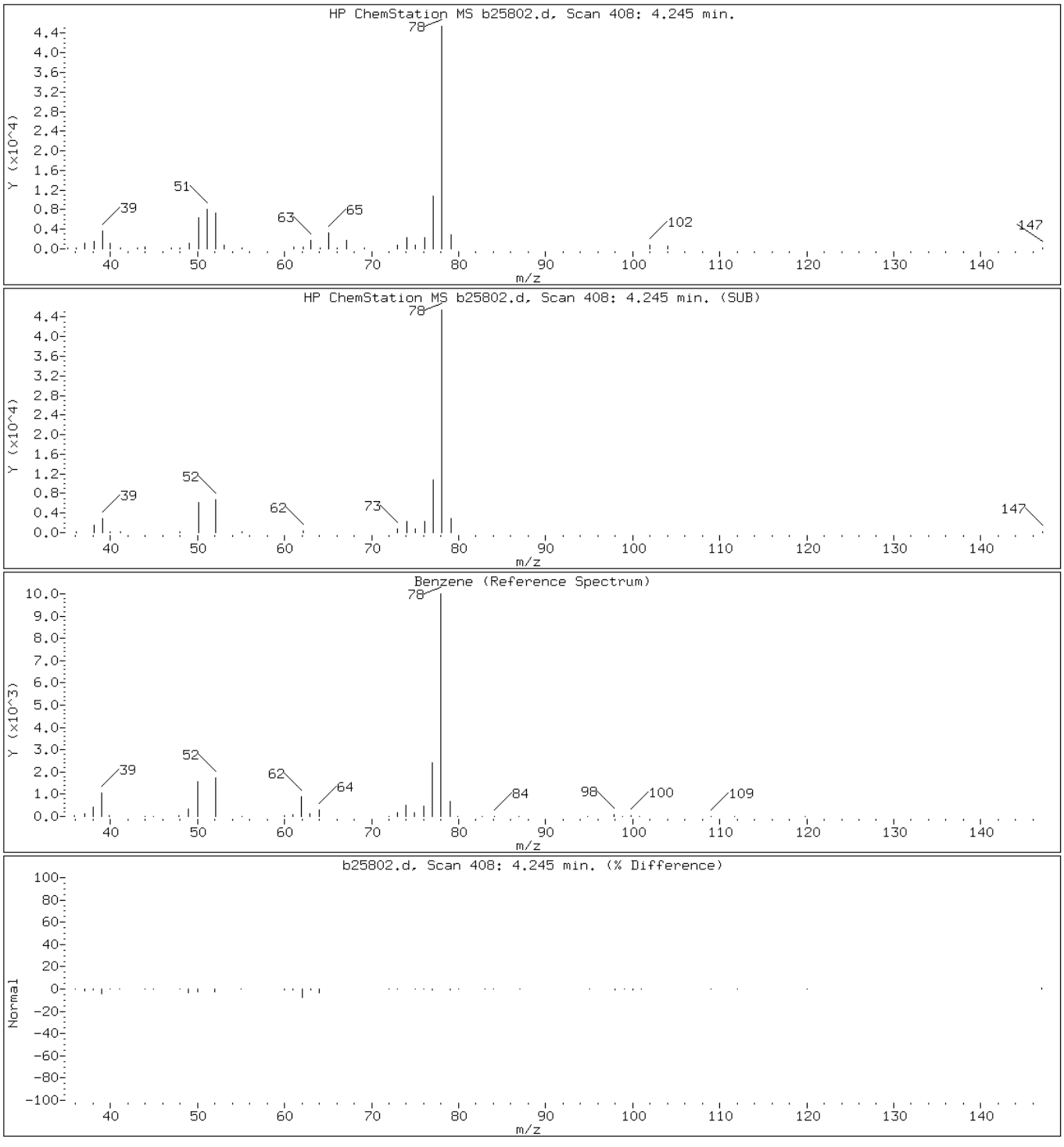
Data File: b25802.d

Date: 22-SEP-2009 00:34

Client ID: DUP-091509 Instrument: VOAMS2.i

Sample Info: 460-5722-D-4 Operator:

48 Benzene



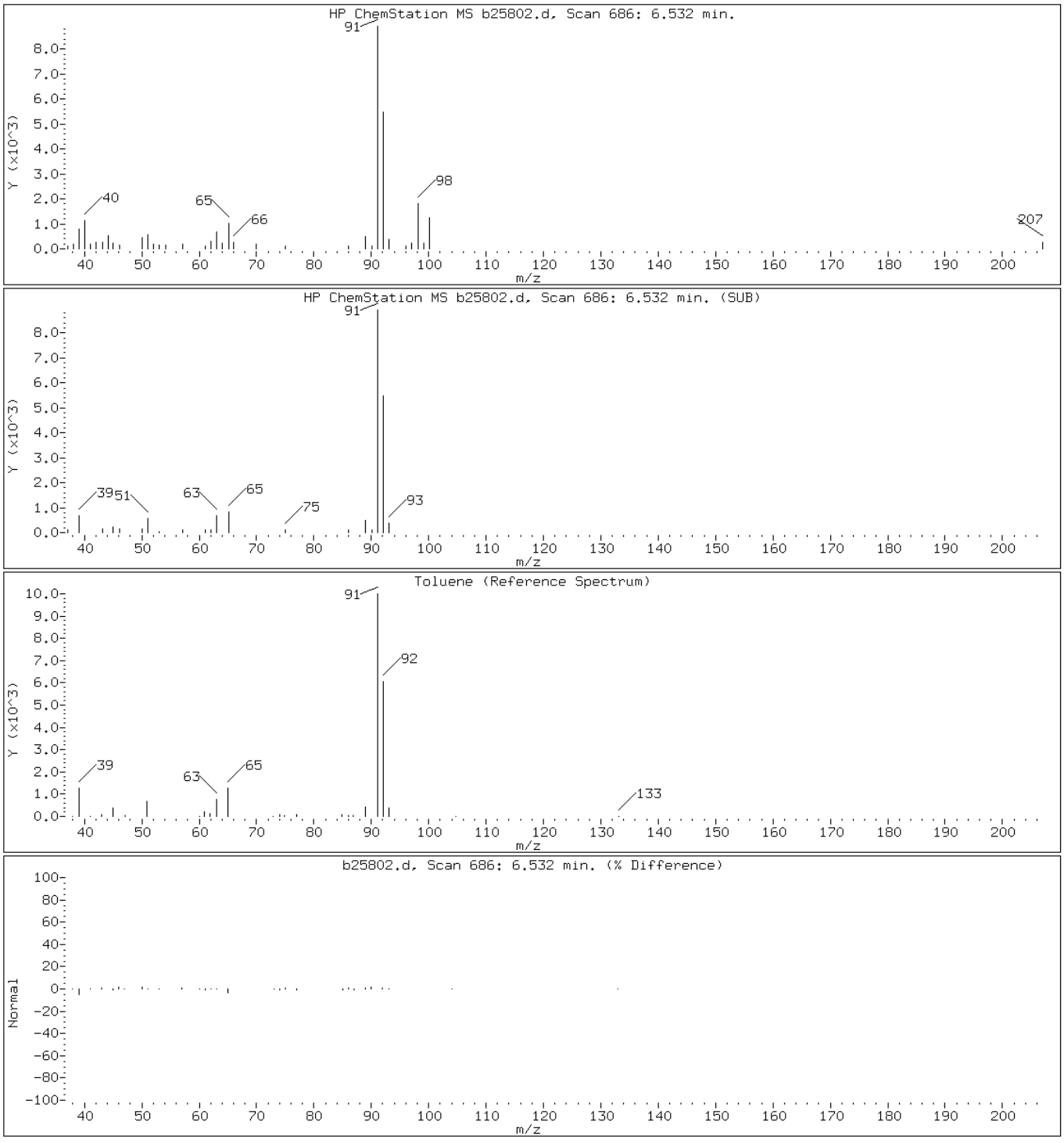
Data File: b25802.d

Date: 22-SEP-2009 00:34

Client ID: DUP-091509 Instrument: VOAMS2.i

Sample Info: 460-5722-D-4 Operator:

66 Toluene



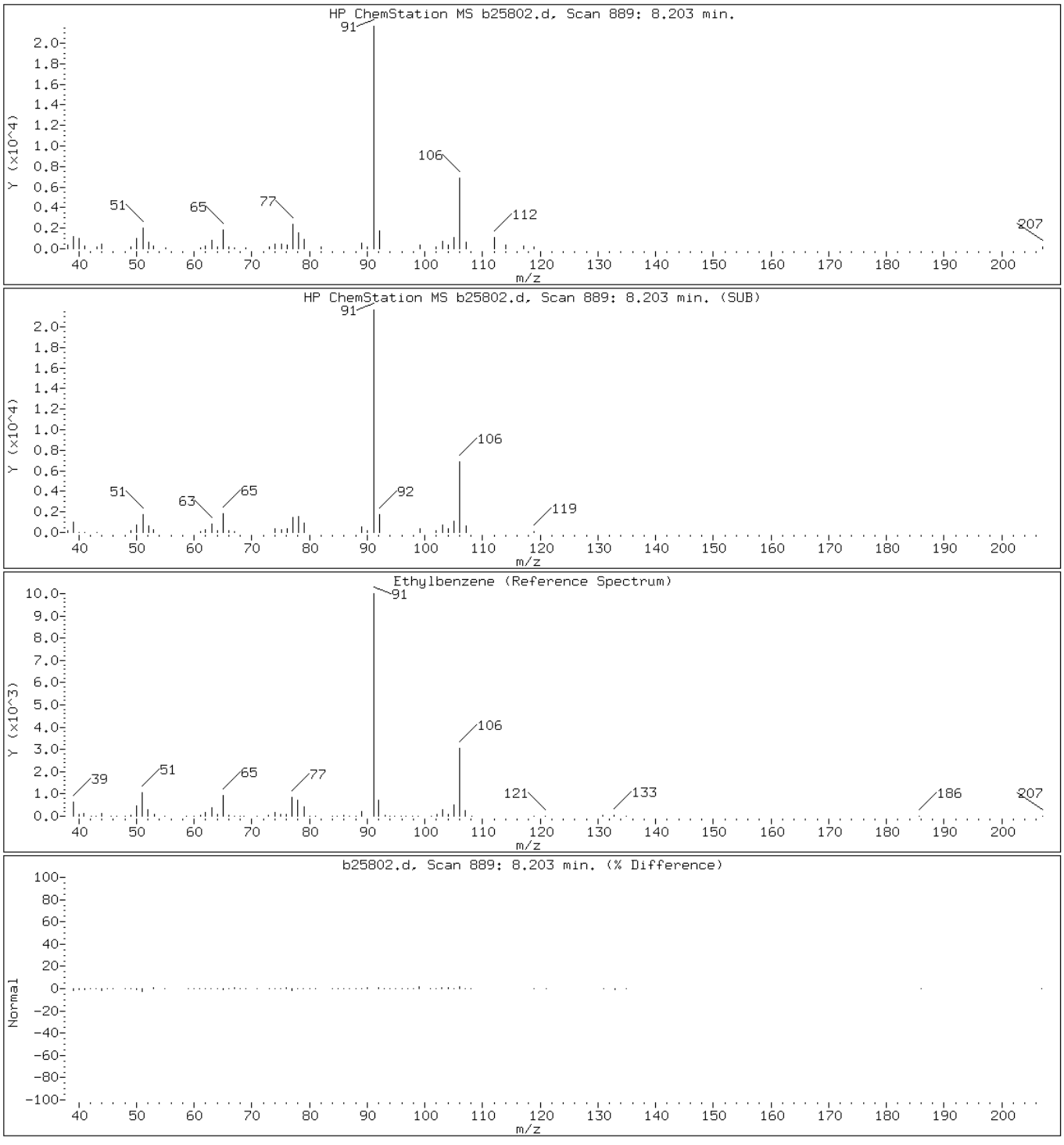
Data File: b25802.d

Date: 22-SEP-2009 00:34

Client ID: DUP-091509 Instrument: VOAMS2.i

Sample Info: 460-5722-D-4 Operator:

81 Ethylbenzene



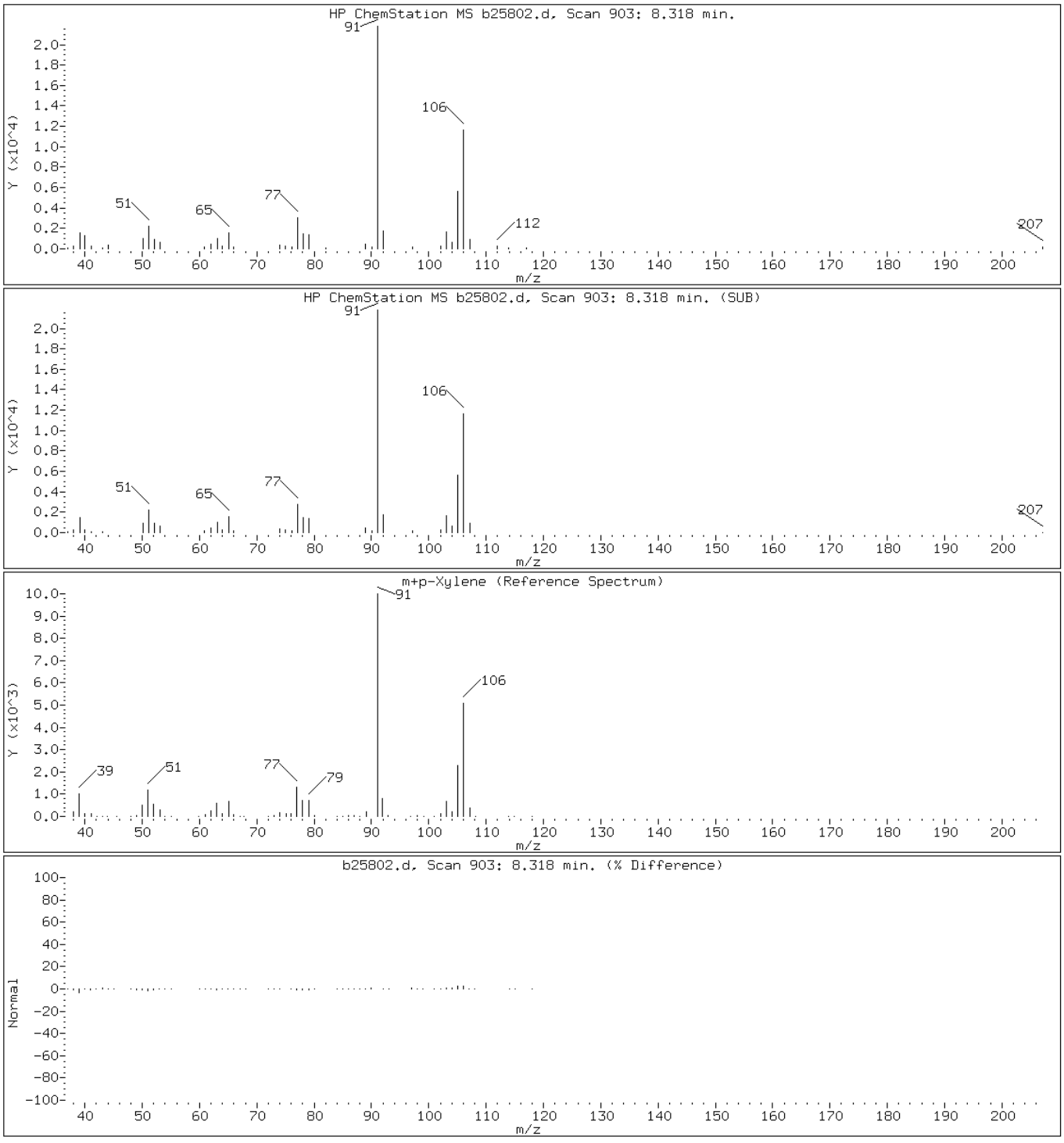
Data File: b25802.d

Date: 22-SEP-2009 00:34

Client ID: DUP-091509 Instrument: VOAMS2.i

Sample Info: 460-5722-D-4 Operator:

82 m+p-Xylene



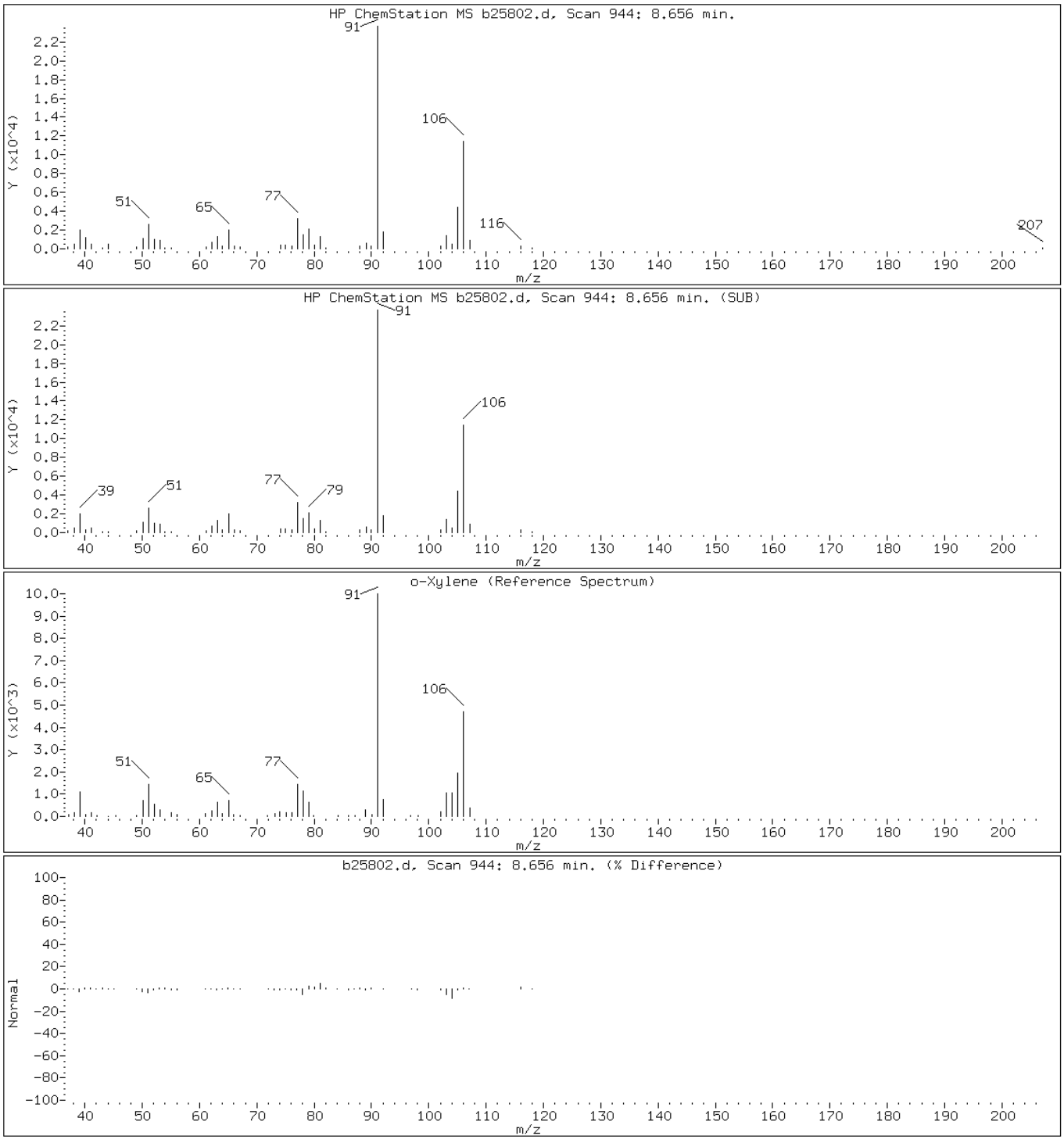
Data File: b25802.d

Date: 22-SEP-2009 00:34

Client ID: DUP-091509 Instrument: VOAMS2.i

Sample Info: 460-5722-D-4 Operator:

84 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-9S | Lab Sample ID: 460-5722-5

Matrix: Water | Lab File ID: b25800.d

Analysis Method: 8260B | Date Collected: 09/15/2009 13:15

Sample wt/vol: 5(mL) | Date Analyzed: 09/21/2009 23:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.7 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 2.2 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 20 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 70 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 87 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 87 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 91 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25800.d
Report Date: 22-Sep-2009 09:07

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25800.d
Lab Smp Id: 460-5722-F-5 Client Smp ID: MW-9S
Inj Date : 21-SEP-2009 23:40
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5722-F-5
Misc Info : 460-5722-F-5
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 83733 | 92.2367 | 92(H) |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 1081 | 0.21585 | 0.22(a) |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 242308 | 73.8516 | 74 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 1806 | 0.31450 | 0.31(a) |
| | 44 Cyclohexane | 56 | 3.907 | 3.899 | (0.859) | 1312737 | 156.503 | 160 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 220257 | 43.3359 | 43 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 35438 | 1.73465 | 1.7 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1051785 | 50.0000 | |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 1578304 | 184.820 | 180 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 689697 | 45.5149 | 46 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 47016 | 2.17971 | 2.2 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 800705 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 50213 | 3.67542 | 3.7 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 142687 | 20.2321 | 20 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 451762 | 52.4430 | 52 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 144867 | 17.3230 | 17 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25800.d
Report Date: 22-Sep-2009 09:07

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 340996 | 17.2254 | 17 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 271854 | 43.6074 | 44 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 559737 | 22.1204 | 22 |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 15987 | 1.09512 | 1.1 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 1404503 | 78.9749 | 79 |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 89724 | 4.23315 | 4.2 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 403299 | 50.0000 | |
| | 106 n-Butylbenzene | 91 | 10.260 | 10.269 | (1.028) | 100934 | 6.07191 | 6.1 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 167764 | 10.7704 | 11 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 2887 | 0.53709 | 0.54(a) |
| M | 121 Xylene (Total) | 100 | | | | 596629 | 69.9410 | 70 |

QC Flag Legend

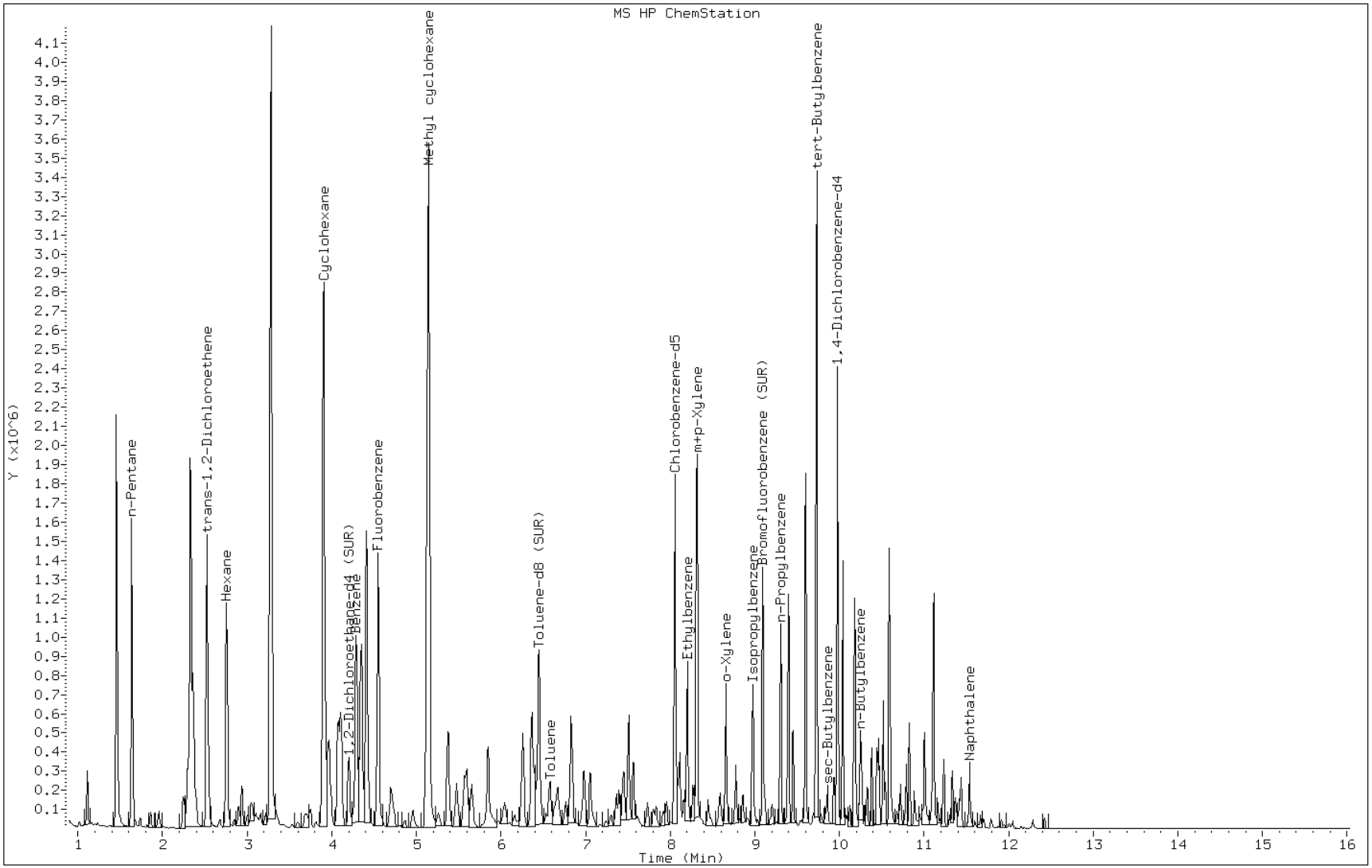
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: b25800.d

Date: 21-SEP-2009 23:40

Client ID: MW-9S Instrument: VOAMS2.i

Sample Info: 460-5722-F-5 Operator:



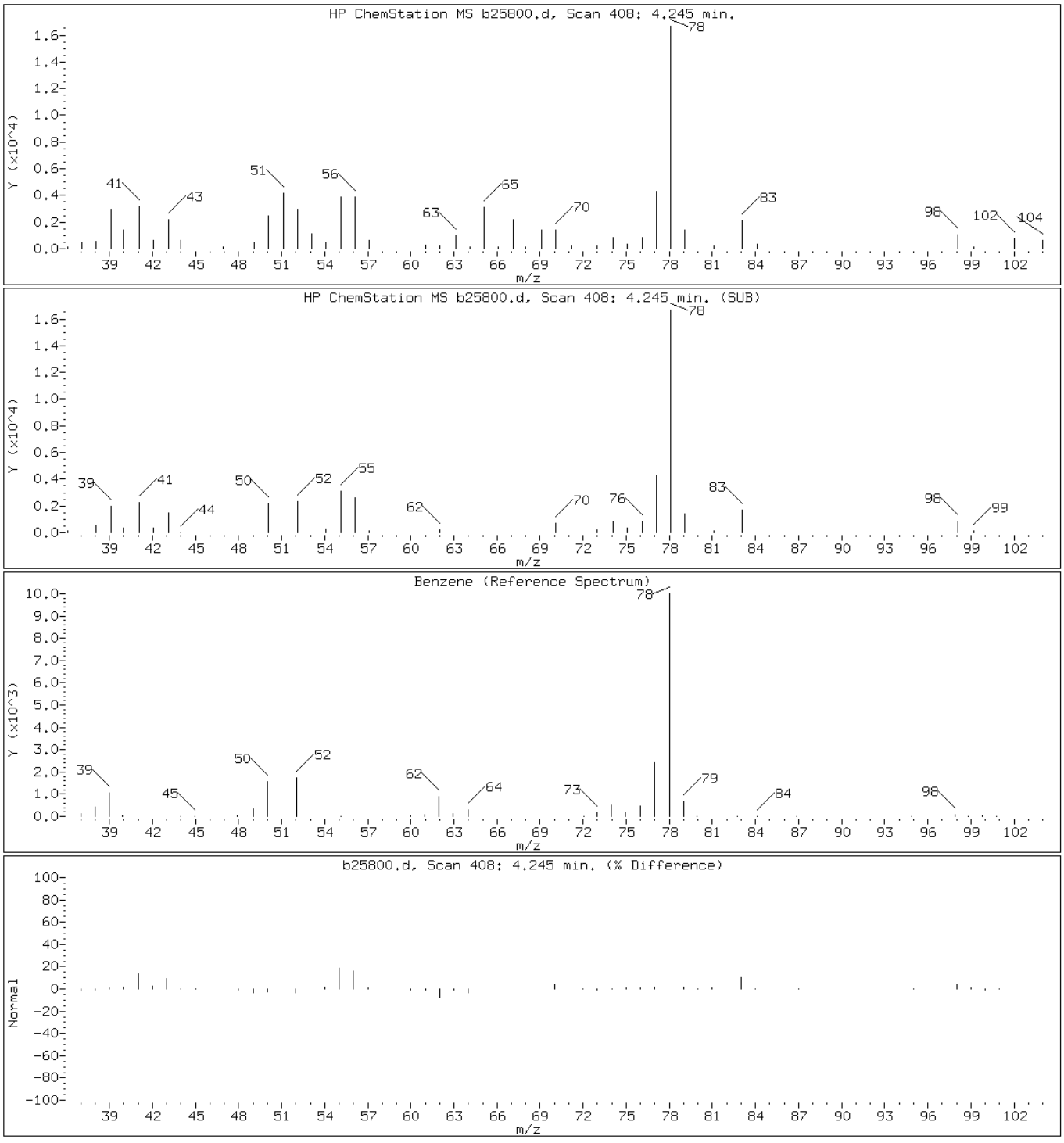
Data File: b25800.d

Date: 21-SEP-2009 23:40

Client ID: MW-9S Instrument: VOAMS2.i

Sample Info: 460-5722-F-5 Operator:

48 Benzene



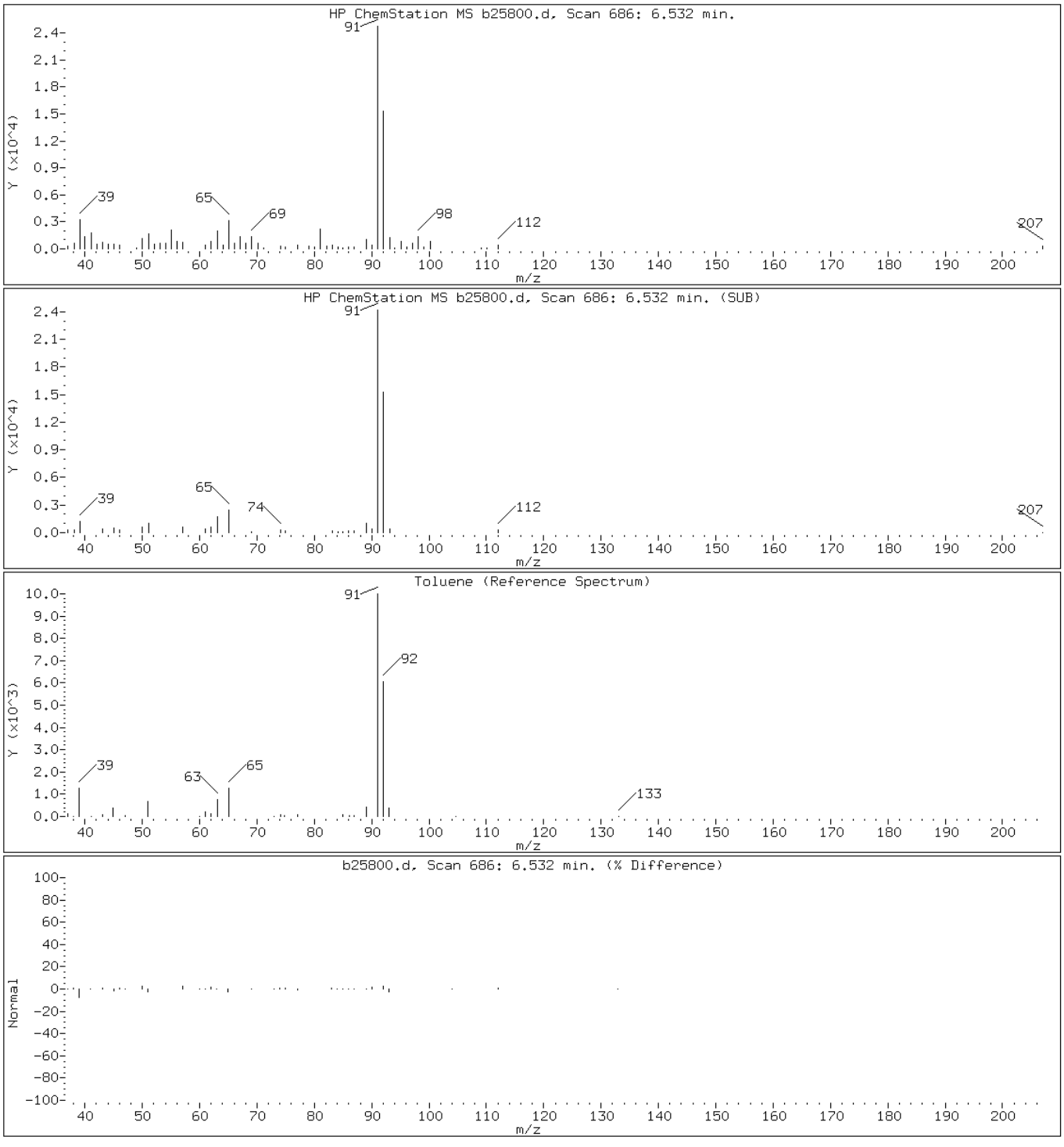
Data File: b25800.d

Date: 21-SEP-2009 23:40

Client ID: MW-9S Instrument: VOAMS2.i

Sample Info: 460-5722-F-5 Operator:

66 Toluene



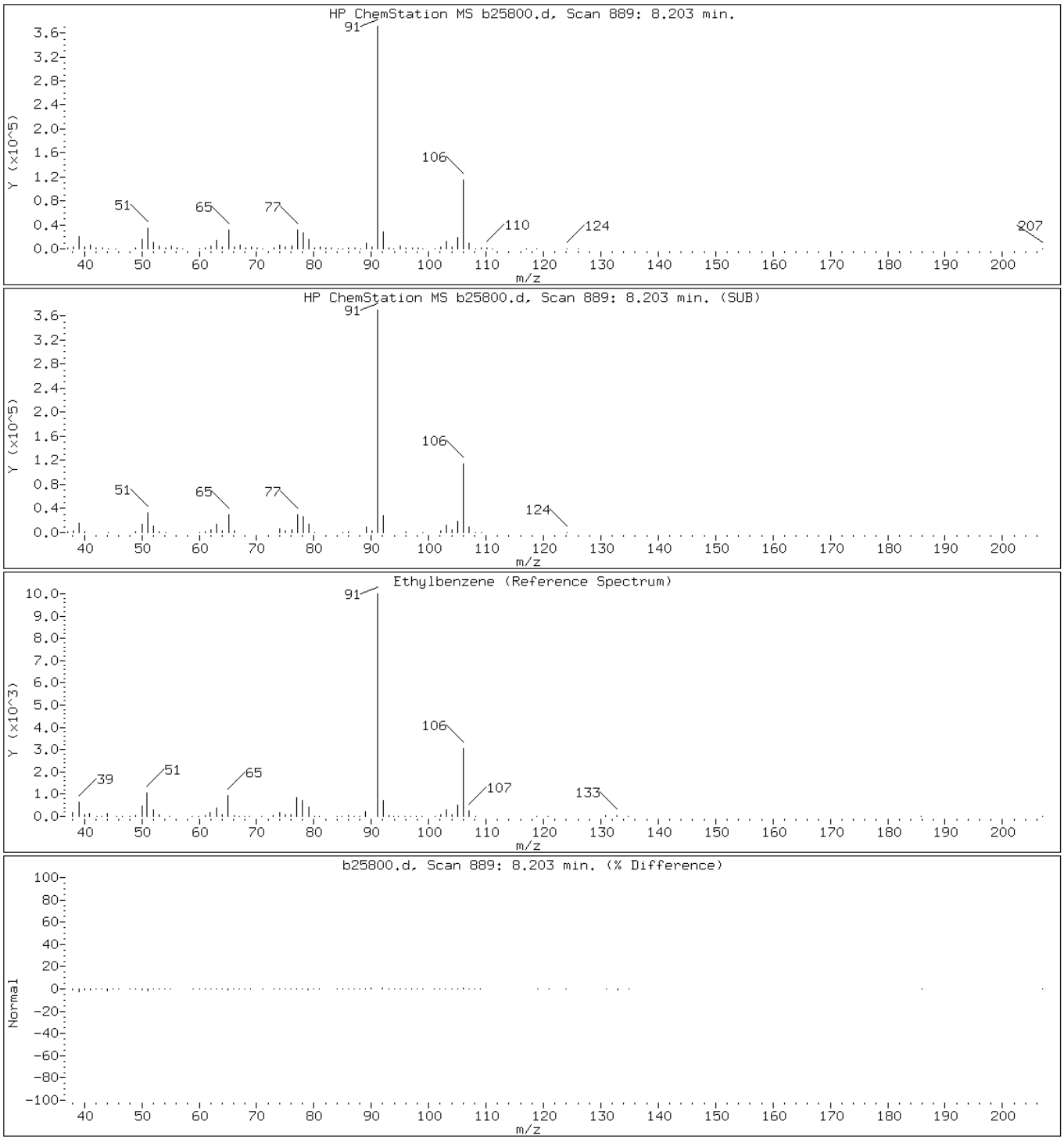
Data File: b25800.d

Date: 21-SEP-2009 23:40

Client ID: MW-9S Instrument: VOAMS2.i

Sample Info: 460-5722-F-5 Operator:

81 Ethylbenzene



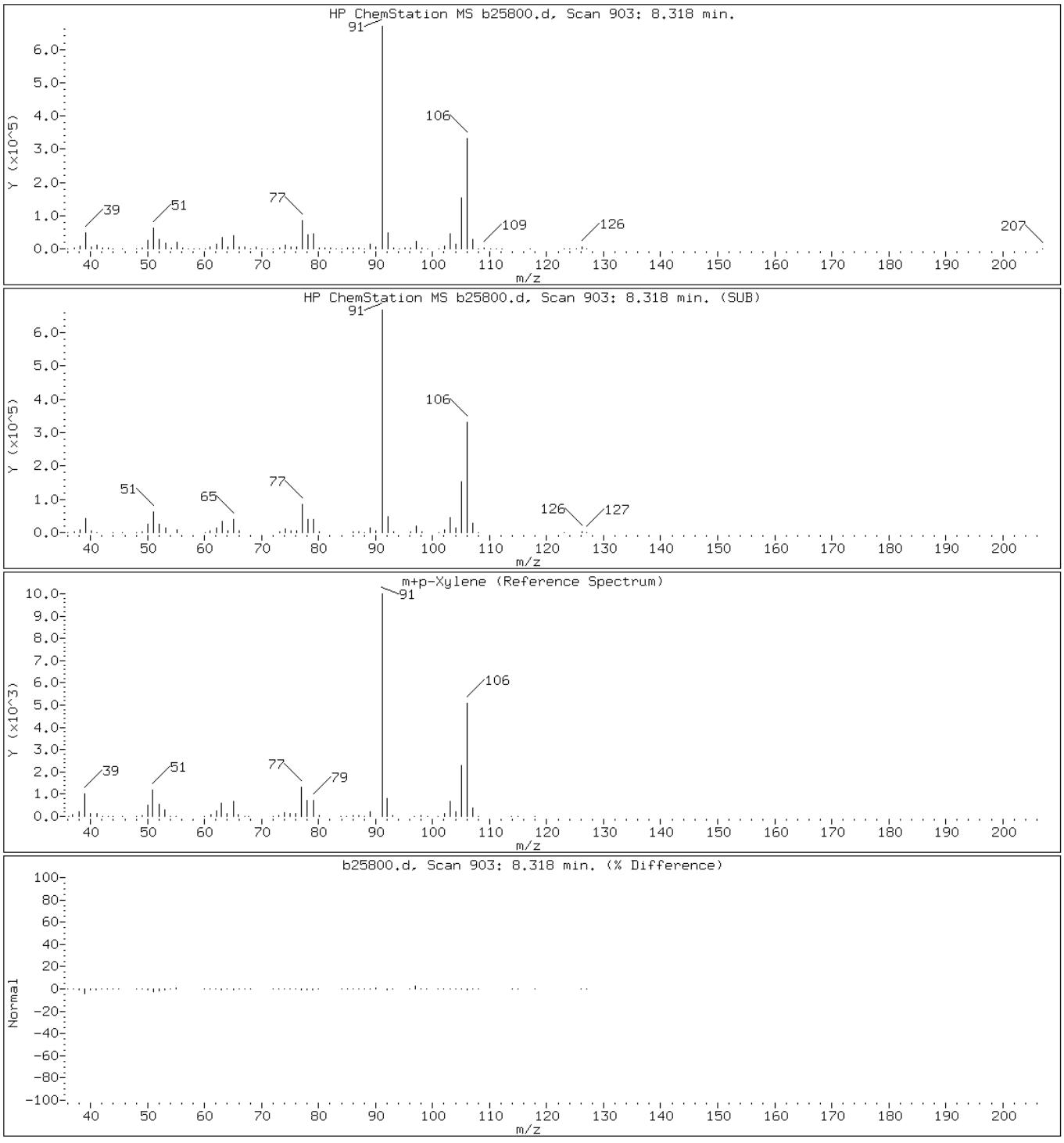
Data File: b25800.d

Date: 21-SEP-2009 23:40

Client ID: MW-9S Instrument: VOAMS2.i

Sample Info: 460-5722-F-5 Operator:

82 m+p-Xylene



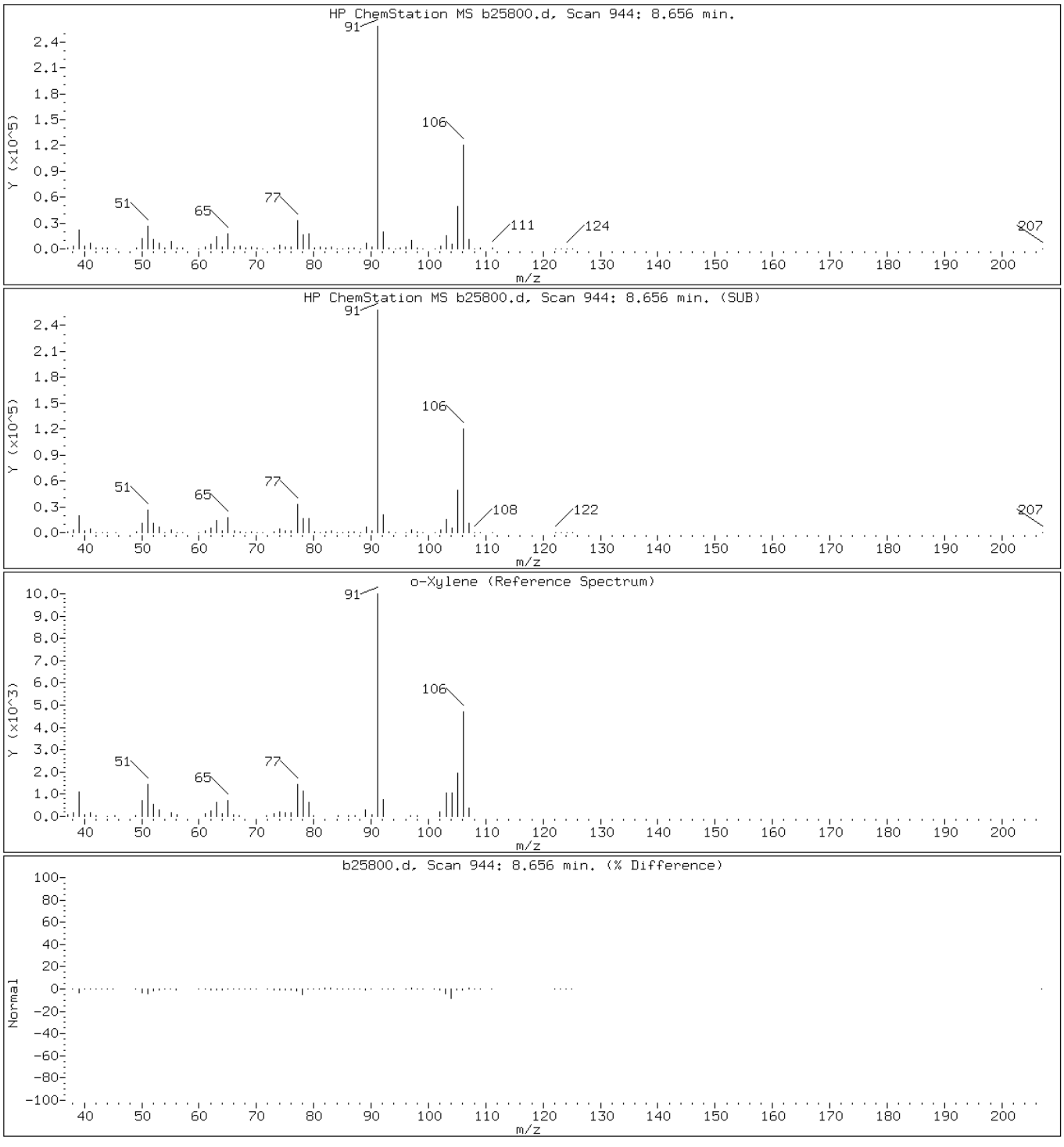
Data File: b25800.d

Date: 21-SEP-2009 23:40

Client ID: MW-9S Instrument: VOAMS2.i

Sample Info: 460-5722-F-5 Operator:

84 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-32 | Lab Sample ID: 460-5722-6

Matrix: Water | Lab File ID: b25858.d

Analysis Method: 8260B | Date Collected: 09/15/2009 14:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 05:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17679 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 90 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 91 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25858.d
Report Date: 25-Sep-2009 17:38

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25858.d
Lab Smp Id: 460-5722-F-6 Client Smp ID: MW-32
Inj Date : 23-SEP-2009 05:02
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5722-F-6
Misc Info : 460-5722-F-6
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/8260_09.m
Meth Date : 22-Sep-2009 21:52 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 4230 | 0.55654 | 0.56(a) |
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 210881 | 45.7899 | 46 |
| * 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 953043 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 626686 | 45.4344 | 45 |
| * 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 728840 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 243787 | 44.8193 | 45 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 351882 | 50.0000 | |
| 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.269 | (1.029) | 3272 | 0.36002 | 0.36(aH) |

QC Flag Legend

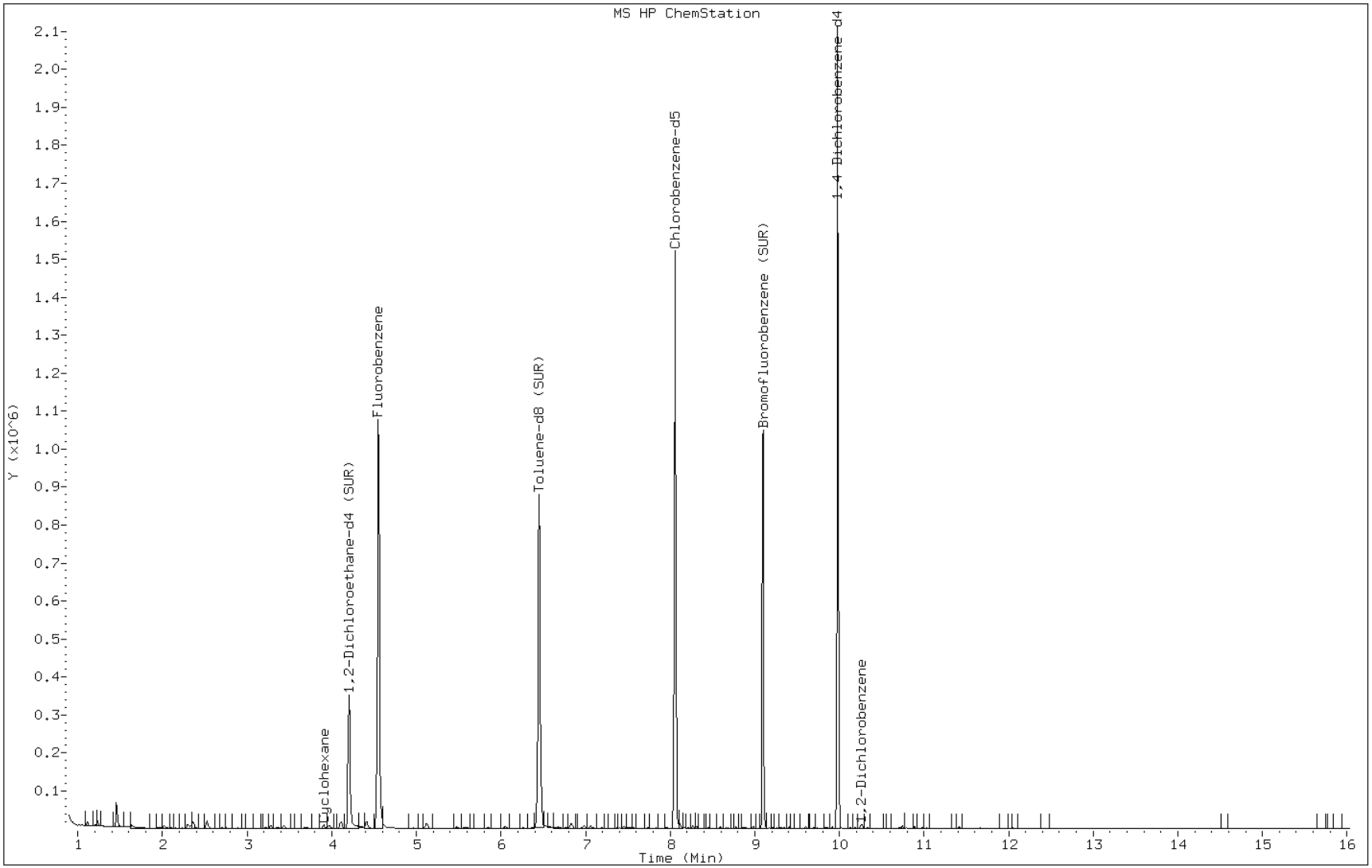
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: b25858.d

Date: 23-SEP-2009 05:02

Client ID: MW-32 Instrument: VOAMS2.i

Sample Info: 460-5722-F-6 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-01 | Lab Sample ID: 460-5722-7

Matrix: Water | Lab File ID: b25804.d

Analysis Method: 8260B | Date Collected: 09/15/2009 15:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 01:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 2.9 | J | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 0.11 | J | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 87 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 85 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 89 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25804.d
Report Date: 22-Sep-2009 10:02

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25804.d
Lab Smp Id: 460-5722-F-7 Client Smp ID: TW-01
Inj Date : 22-SEP-2009 01:26
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5722-F-7
Misc Info : 460-5722-F-7
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 8 n-Pentane | 72 | 1.455 | 1.636 | (0.320) | 14130 | 16.0465 | 16(H) |
| | 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 1480 | 2.88161 | 2.9(a) |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 1066 | 0.65394 | 0.65(a) |
| | 44 Cyclohexane | 56 | 3.907 | 3.899 | (0.859) | 5377 | 0.66087 | 0.66(a) |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 214037 | 43.4148 | 43 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1020225 | 50.0000 | |
| | 55 Ethyl Acrylate | 55 | 5.117 | 5.142 | (1.125) | 6116 | 0.45249 | 0.45(a) |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 645236 | 44.4758 | 44 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 2239 | 0.10842 | 0.11(a) |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 766588 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 21680 | 1.65753 | 1.6 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 1483 | 0.18523 | 0.18(a) |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.912) | 247504 | 42.5312 | 42 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 376467 | 50.0000 | |
| | 111 1,2-Dichlorobenzene | 146 | 10.260 | 10.260 | (1.028) | 10605 | 1.09067 | 1.1 |
| M | 121 Xylene (Total) | 100 | | | | 1483 | 0.18158 | 0.18(a) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25804.d
Report Date: 22-Sep-2009 10:02

QC Flag Legend

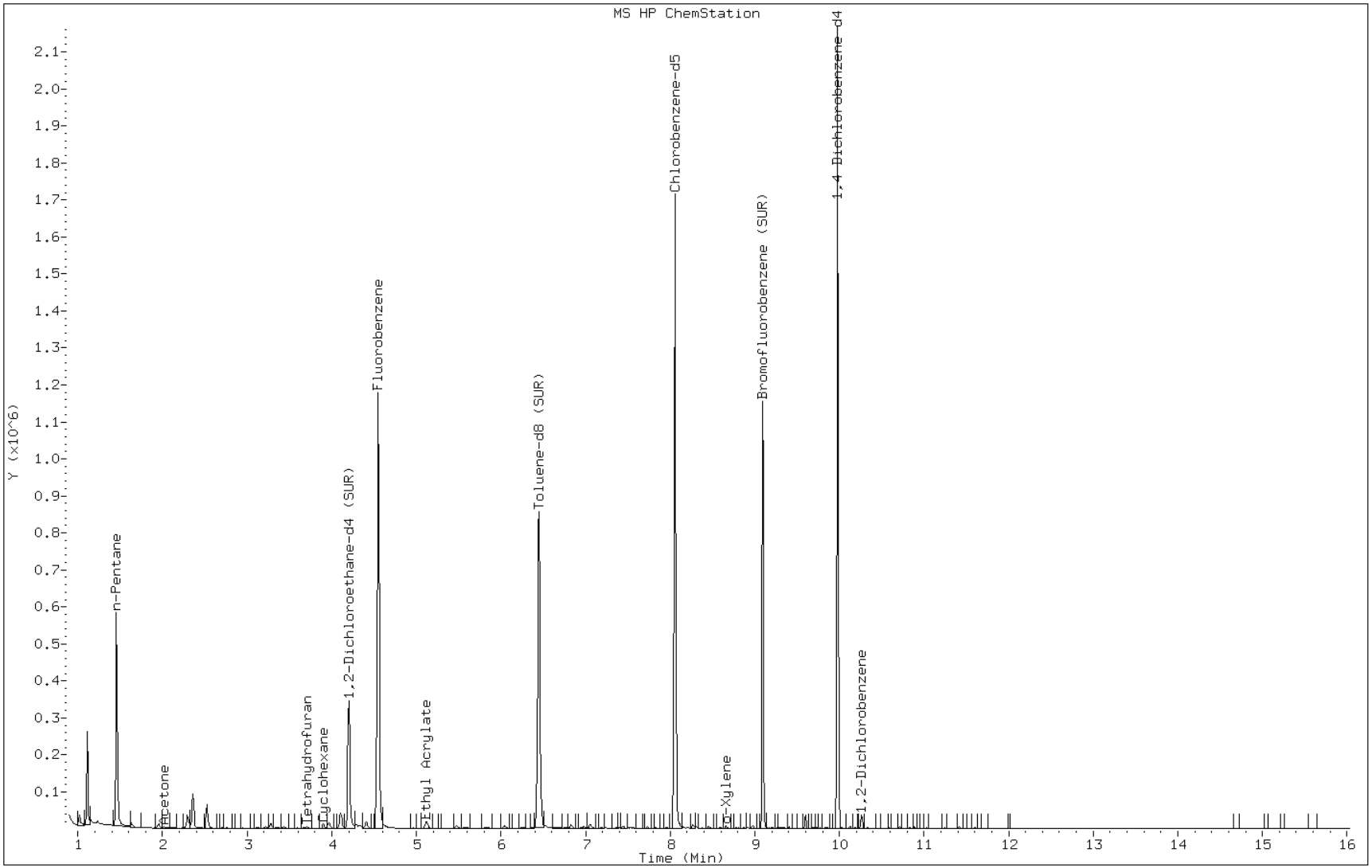
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: b25804.d

Date: 22-SEP-2009 01:26

Client ID: TW-01 Instrument: VOAMS2.i

Sample Info: 460-5722-F-7 Operator:



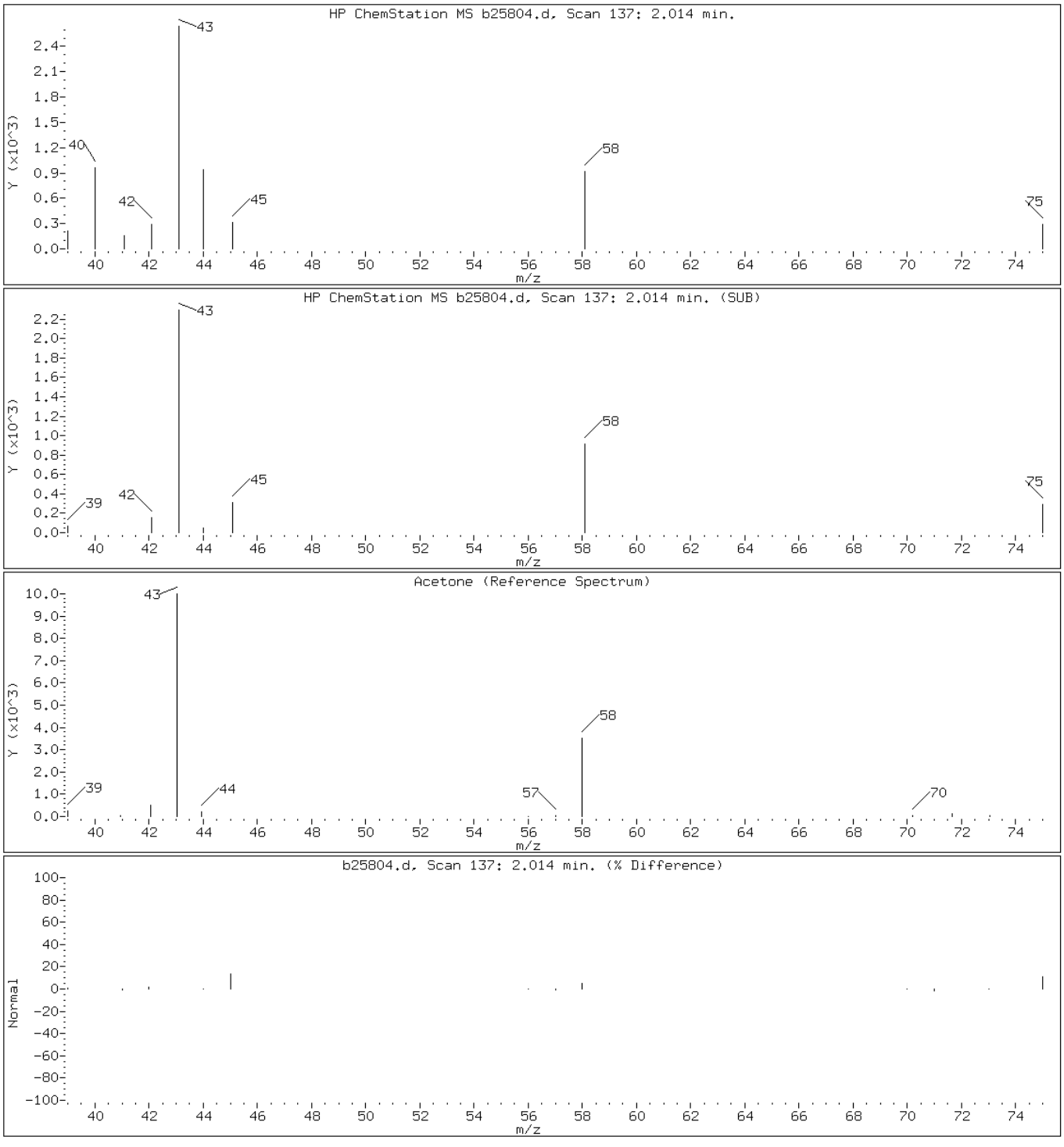
Data File: b25804.d

Date: 22-SEP-2009 01:26

Client ID: TW-01 Instrument: VOAMS2.i

Sample Info: 460-5722-F-7 Operator:

16 Acetone



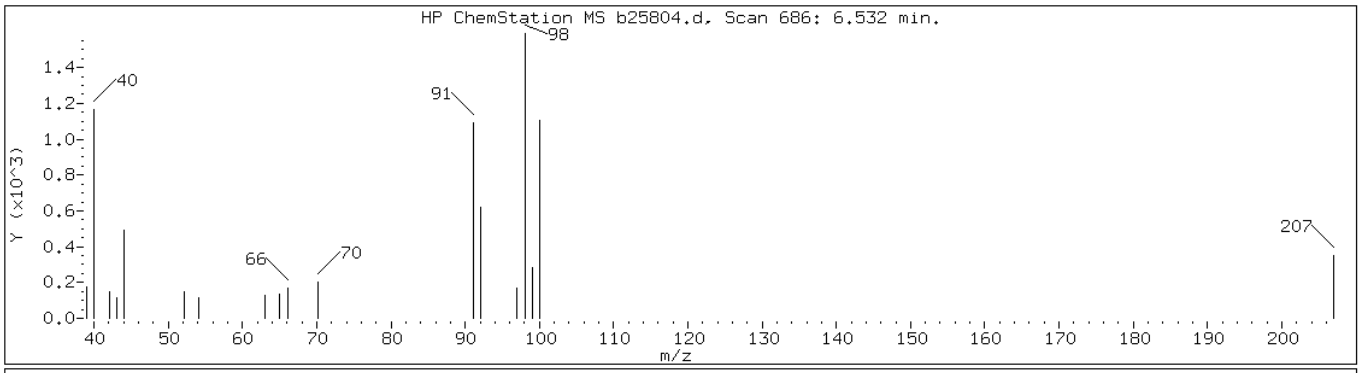
Data File: b25804.d

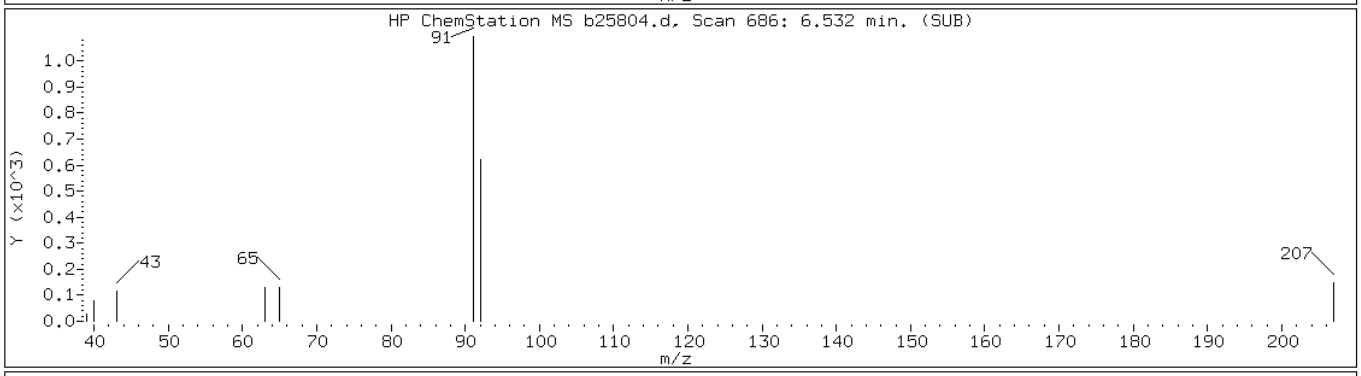
Date: 22-SEP-2009 01:26

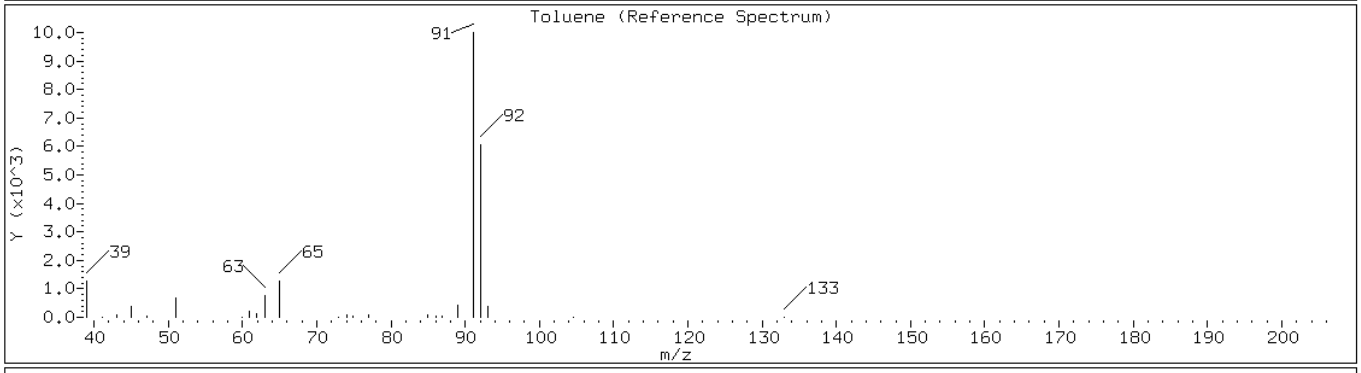
Client ID: TW-01 Instrument: VOAMS2.i

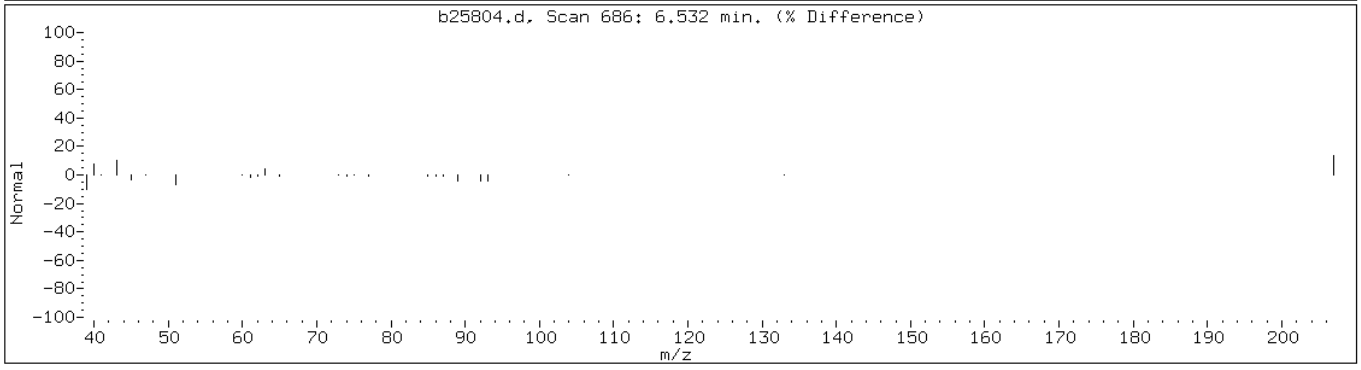
Sample Info: 460-5722-F-7 Operator:

66 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-35  Lab Sample ID: 460-5722-8

Matrix: Water  Lab File ID: b25805.d

Analysis Method: 8260B  Date Collected: 09/15/2009 11:20

Sample wt/vol: 5(mL)  Date Analyzed: 09/22/2009 01:53

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: DB-624  ID: 0.18(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17535  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 6.5 | J | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 0.16 | J | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 88 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 86 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25805.d
Report Date: 22-Sep-2009 10:03

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25805.d
Lab Smp Id: 460-5722-F-8 Client Smp ID: MW-35
Inj Date : 22-SEP-2009 01:53
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5722-F-8
Misc Info : 460-5722-F-8
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 3319 | 6.52871 | 6.5(a) |
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 215565 | 44.1747 | 44 |
| * 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1009833 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 634726 | 44.1820 | 44 |
| 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 3268 | 0.15981 | 0.16(a) |
| * 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 759117 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 246537 | 43.0924 | 43 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 370112 | 50.0000 | |

QC Flag Legend

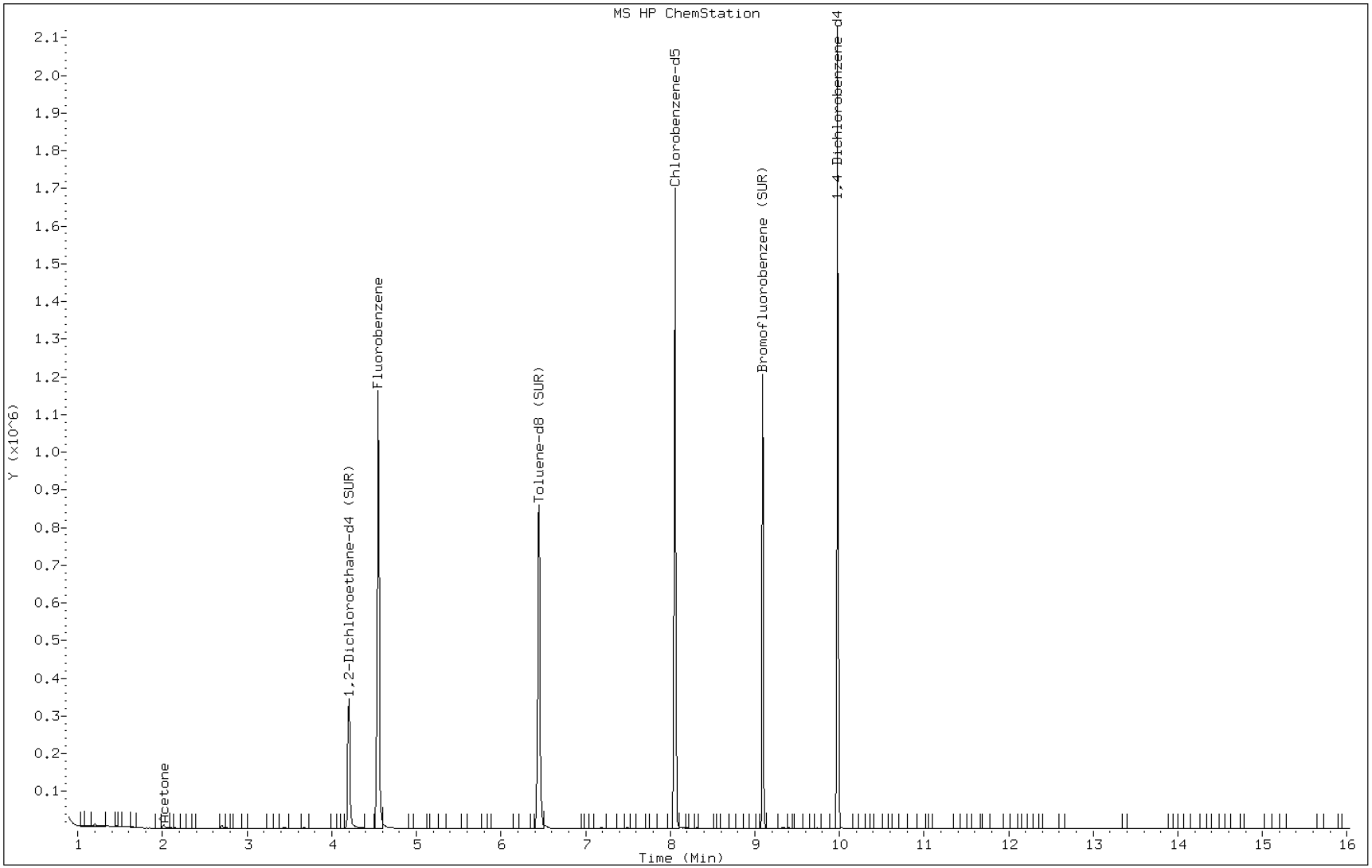
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b25805.d

Date: 22-SEP-2009 01:53

Client ID: MW-35 Instrument: VOAMS2.i

Sample Info: 460-5722-F-8 Operator:



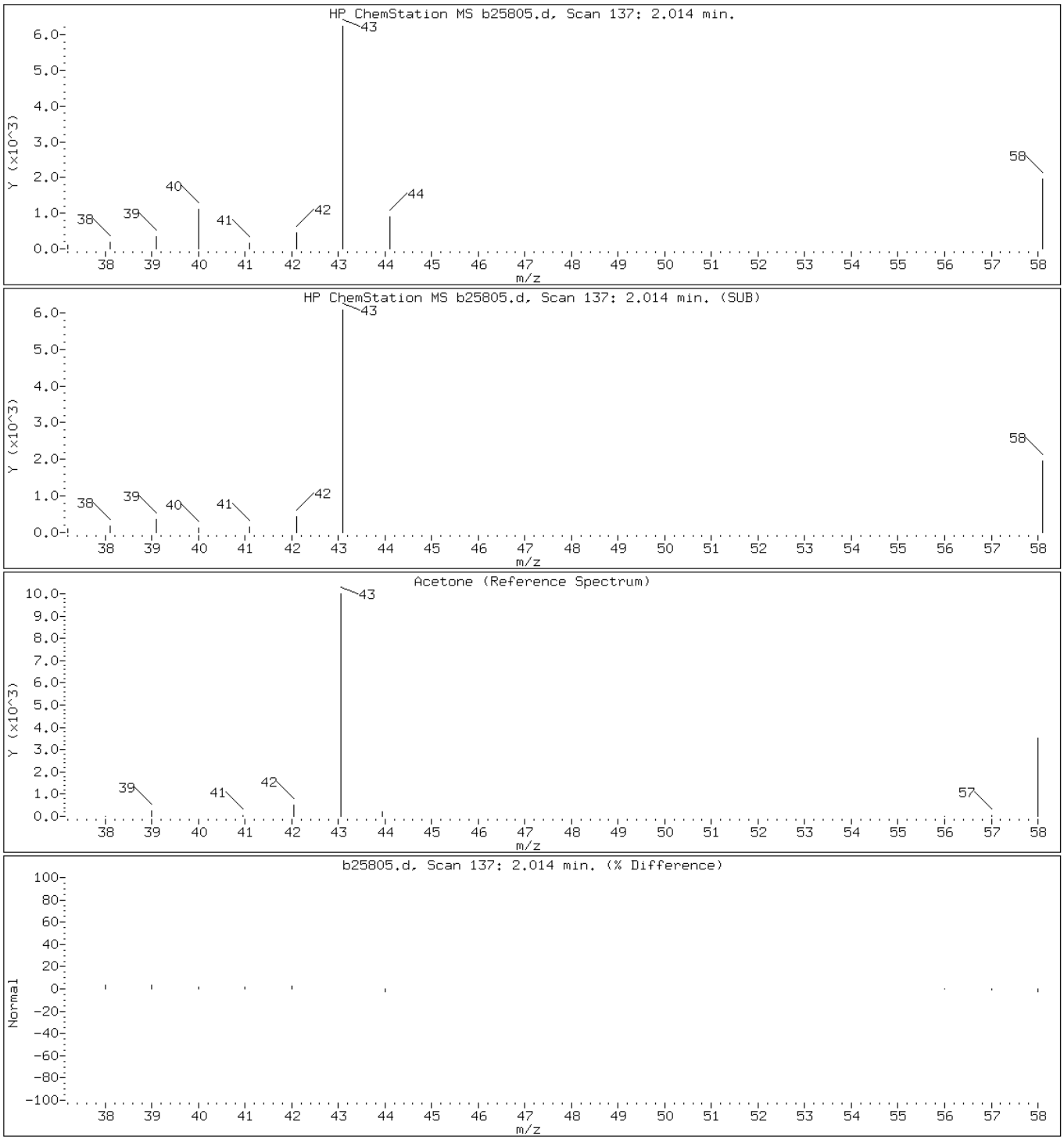
Data File: b25805.d

Date: 22-SEP-2009 01:53

Client ID: MW-35 Instrument: VOAMS2.i

Sample Info: 460-5722-F-8 Operator:

16 Acetone



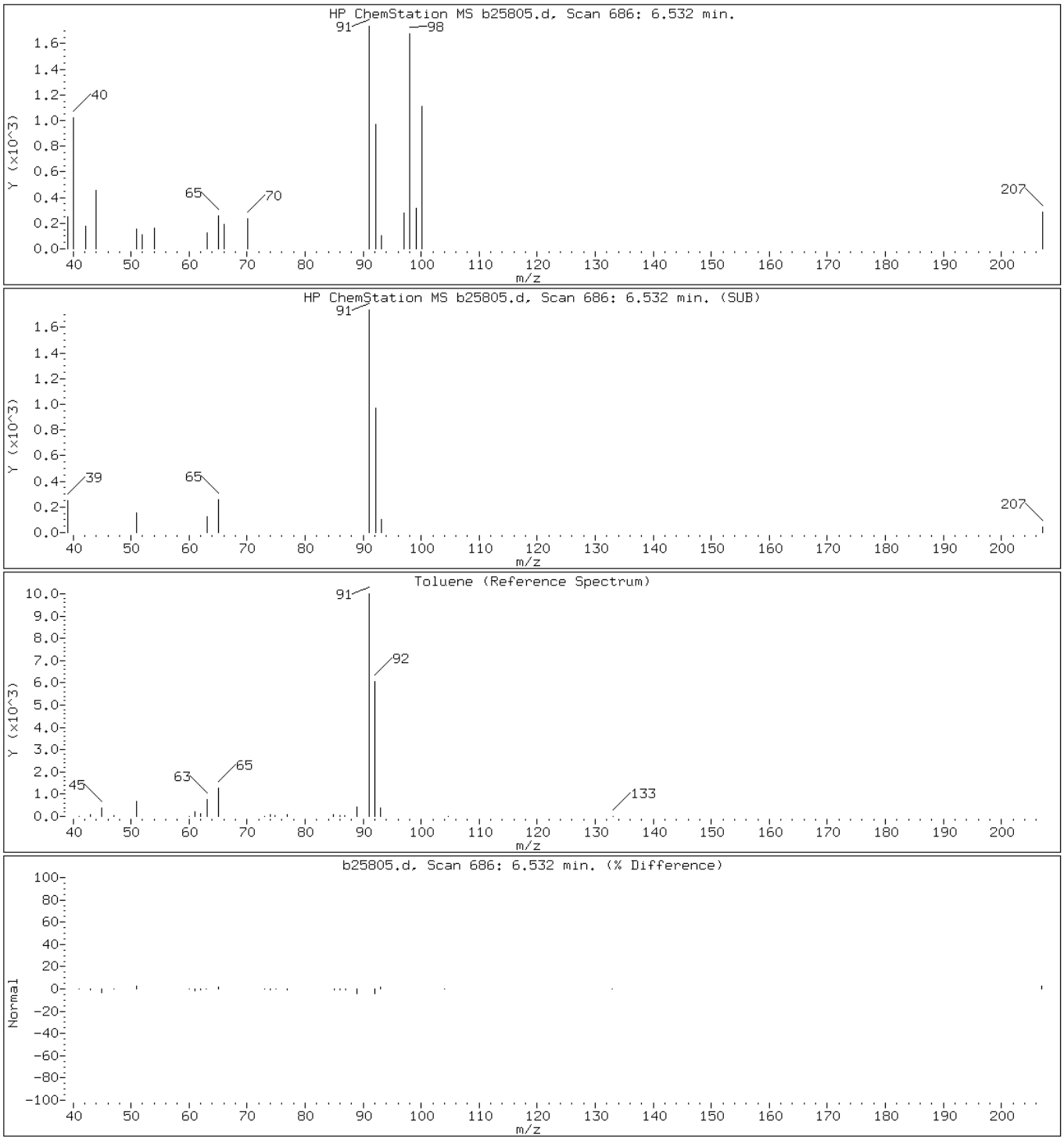
Data File: b25805.d

Date: 22-SEP-2009 01:53

Client ID: MW-35 Instrument: VOAMS2.i

Sample Info: 460-5722-F-8 Operator:

66 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-5722-9

Matrix: Water | Lab File ID: b25806.d

Analysis Method: 8260B | Date Collected: 09/15/2009 10:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 02:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 21 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 3.1 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 0.96 | J | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.2 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 88 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 89 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 90 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25806.d
Report Date: 22-Sep-2009 10:05

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25806.d
Lab Smp Id: 460-5722-D-9 Client Smp ID: MW-36
Inj Date : 22-SEP-2009 02:20
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5722-D-9
Misc Info : 460-5722-D-9
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 10569 | 20.8546 | 21 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 8488 | 18.6948 | 19(a) |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 3805 | 0.79379 | 0.79(a) |
| | 28 MTBE | 73 | 2.549 | 2.541 | (0.560) | 9641 | 0.64861 | 0.65(a) |
| | 41 Tetrahydrofuran | 42 | 3.669 | 3.668 | (0.806) | 6426 | 3.99502 | 4.0 |
| | 44 Cyclohexane | 56 | 3.899 | 3.899 | (0.857) | 15792 | 1.96701 | 2.0 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 215064 | 44.2091 | 44 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 59883 | 3.10603 | 3.1 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1006702 | 50.0000 | |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 2256 | 0.16915 | 0.17(a) |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 641014 | 44.8251 | 45 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 19445 | 0.95526 | 0.96(a) |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 755638 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 950022 | 73.6858 | 74 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 1648 | 0.24761 | 0.25(a) |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 11468 | 1.41067 | 1.4 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25806.d
Report Date: 22-Sep-2009 10:05

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 14323 | 1.81488 | 1.8 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 5887 | 0.31512 | 0.32(a) |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 251396 | 44.3966 | 44 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 6410 | 0.27889 | 0.28(a) |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.396 | 9.454 | (0.941) | 3243 | 0.20668 | 0.21(a) |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 3970 | 0.24577 | 0.24(a) |
| | 105 1,3-Dichlorobenzene | 146 | 9.997 | 9.931 | (1.002) | 13112 | 1.31156 | 1.3 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 366320 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 13112 | 1.27011 | 1.3 |
| | 111 1,2-Dichlorobenzene | 146 | 10.261 | 10.260 | (1.028) | 3964 | 0.41897 | 0.42(a) |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 3805 | 0.73958 | 0.74(a) |
| M | 121 Xylene (Total) | 100 | | | | 25791 | 3.20372 | 3.2 |

QC Flag Legend

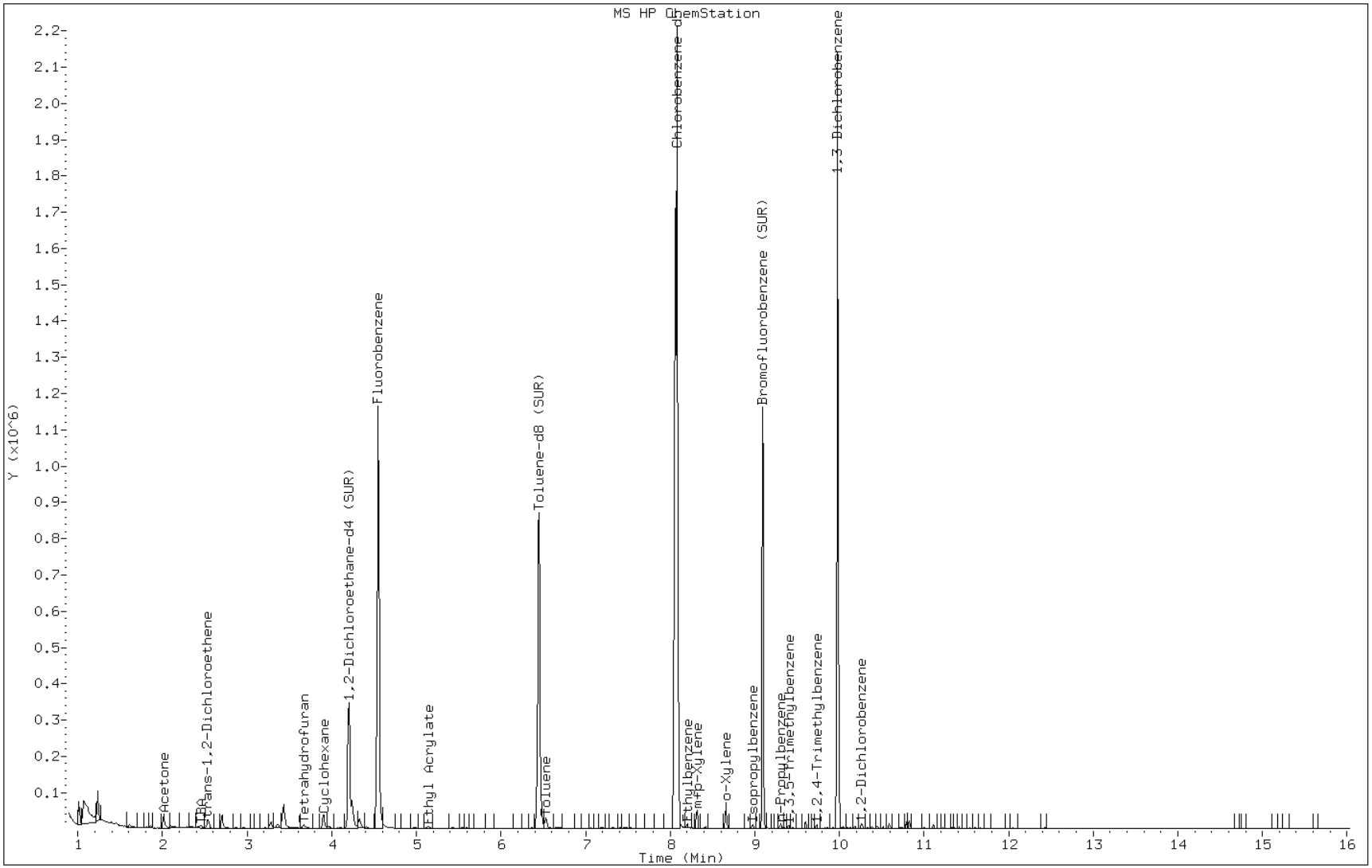
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b25806.d

Date: 22-SEP-2009 02:20

Client ID: MW-36 Instrument: VOAMS2.i

Sample Info: 460-5722-D-9 Operator:



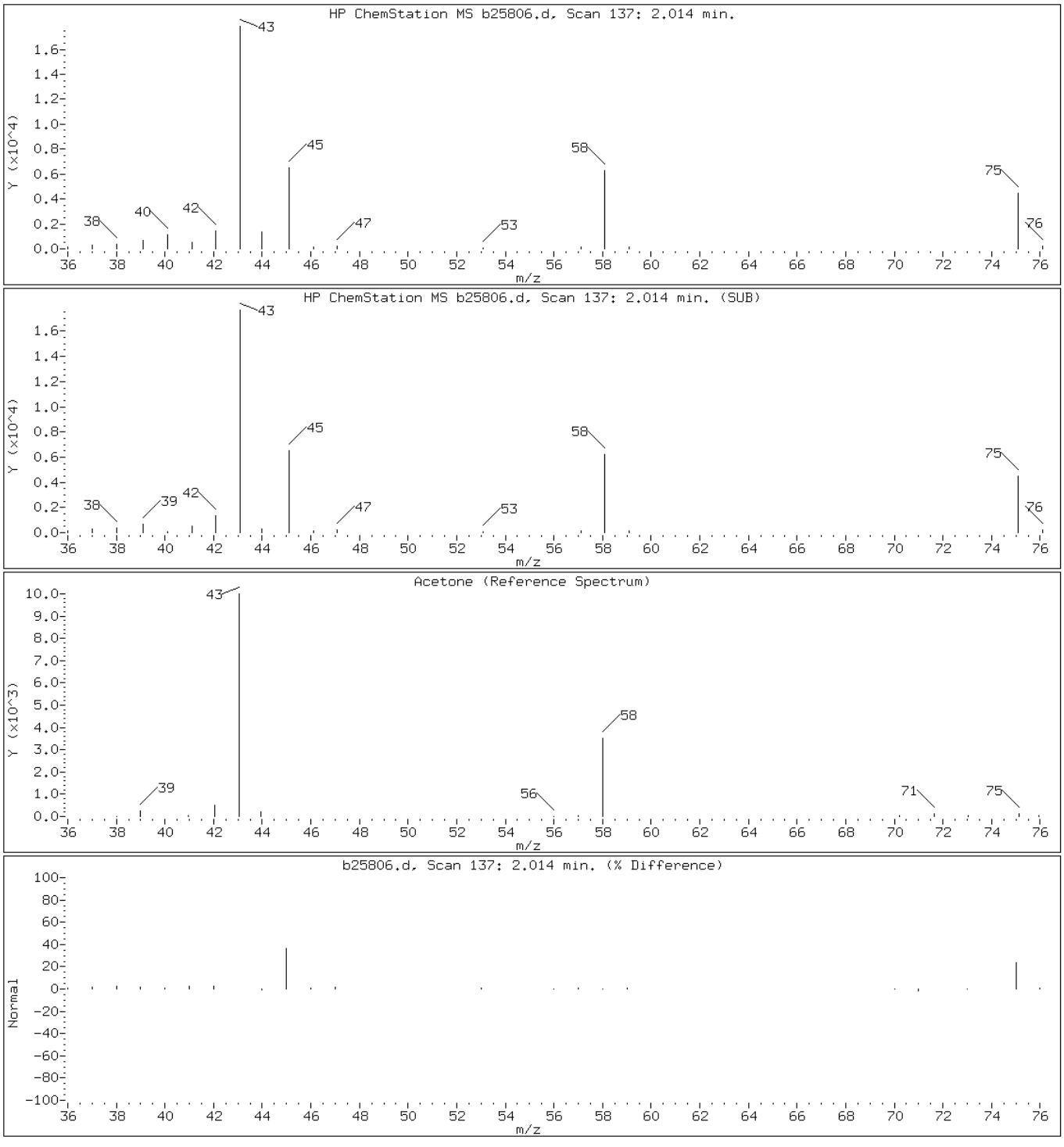
Data File: b25806.d

Date: 22-SEP-2009 02:20

Client ID: MW-36 Instrument: VOAMS2.i

Sample Info: 460-5722-D-9 Operator:

16 Acetone



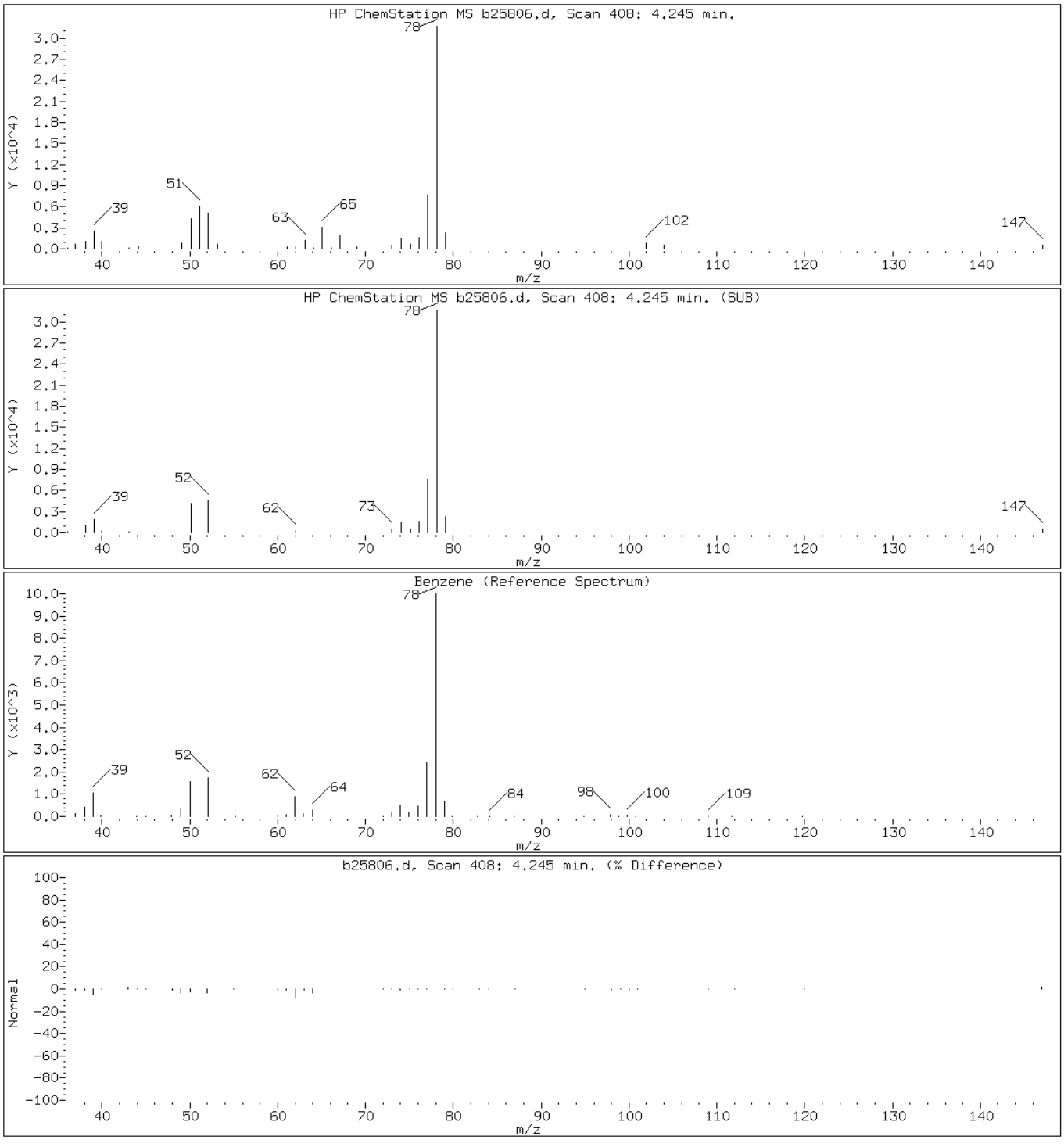
Data File: b25806.d

Date: 22-SEP-2009 02:20

Client ID: MW-36 Instrument: VOAMS2.i

Sample Info: 460-5722-D-9 Operator:

48 Benzene



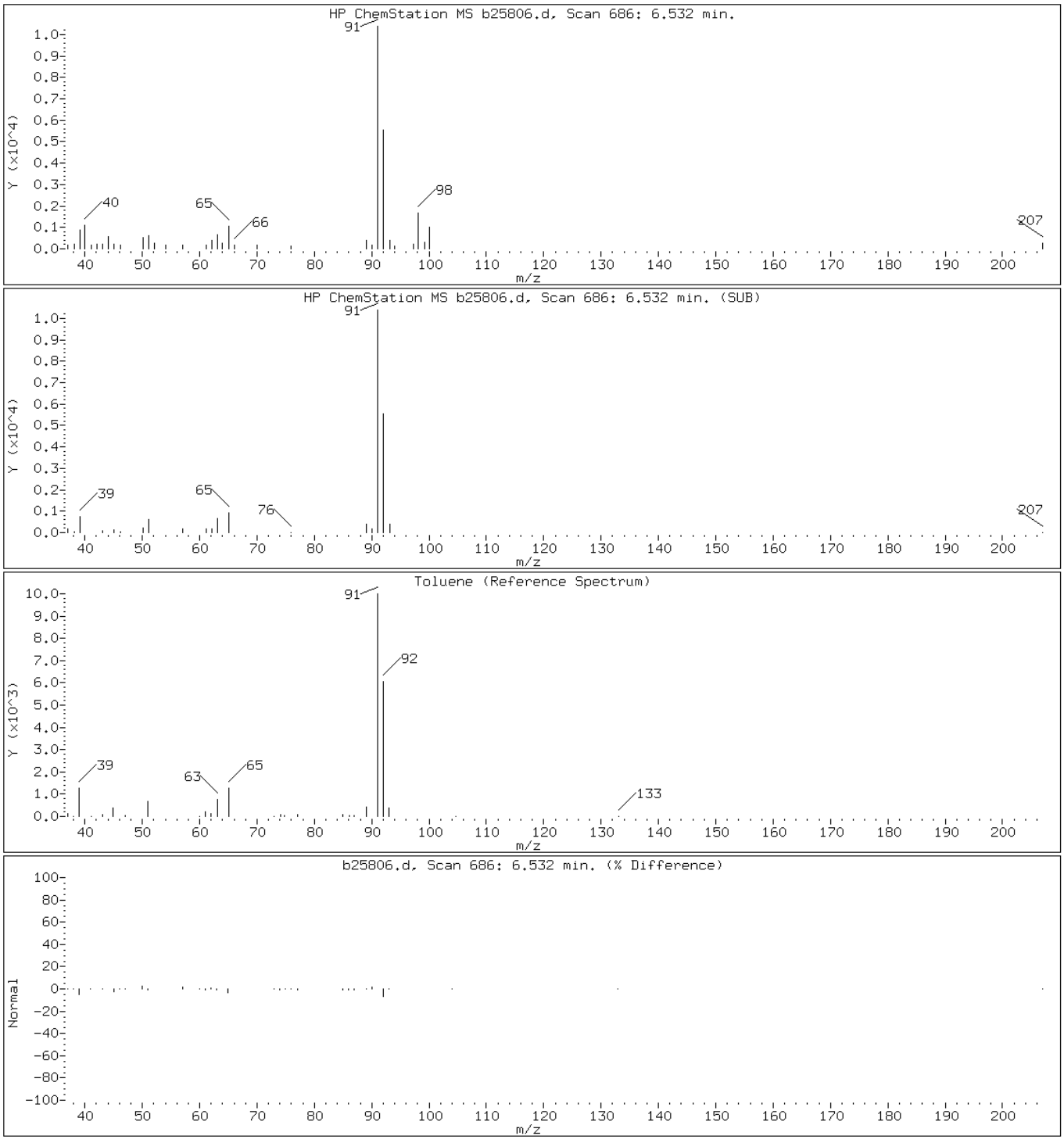
Data File: b25806.d

Date: 22-SEP-2009 02:20

Client ID: MW-36 Instrument: VOAMS2.i

Sample Info: 460-5722-D-9 Operator:

66 Toluene



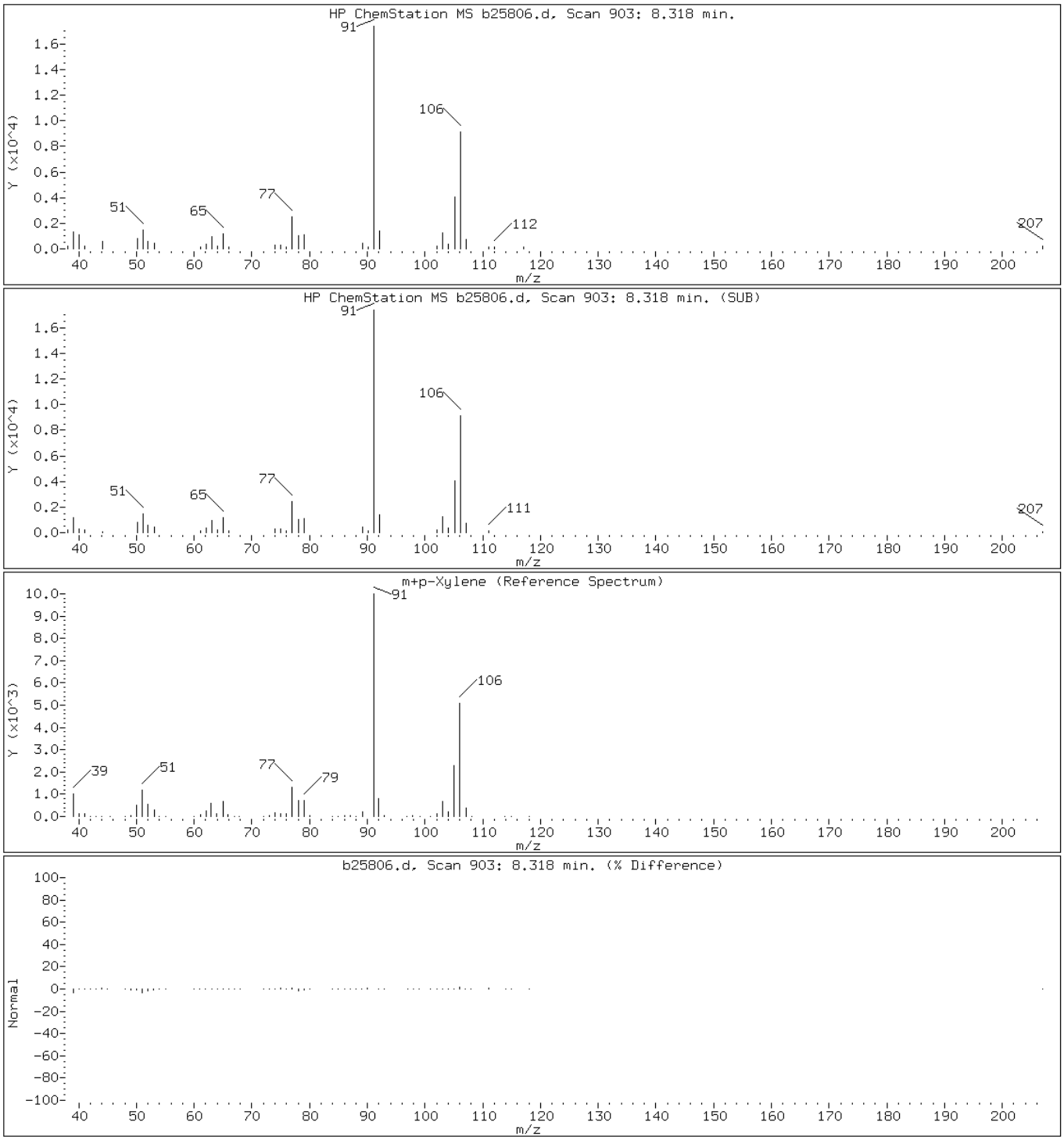
Data File: b25806.d

Date: 22-SEP-2009 02:20

Client ID: MW-36 Instrument: VOAMS2.i

Sample Info: 460-5722-D-9 Operator:

82 m+p-Xylene



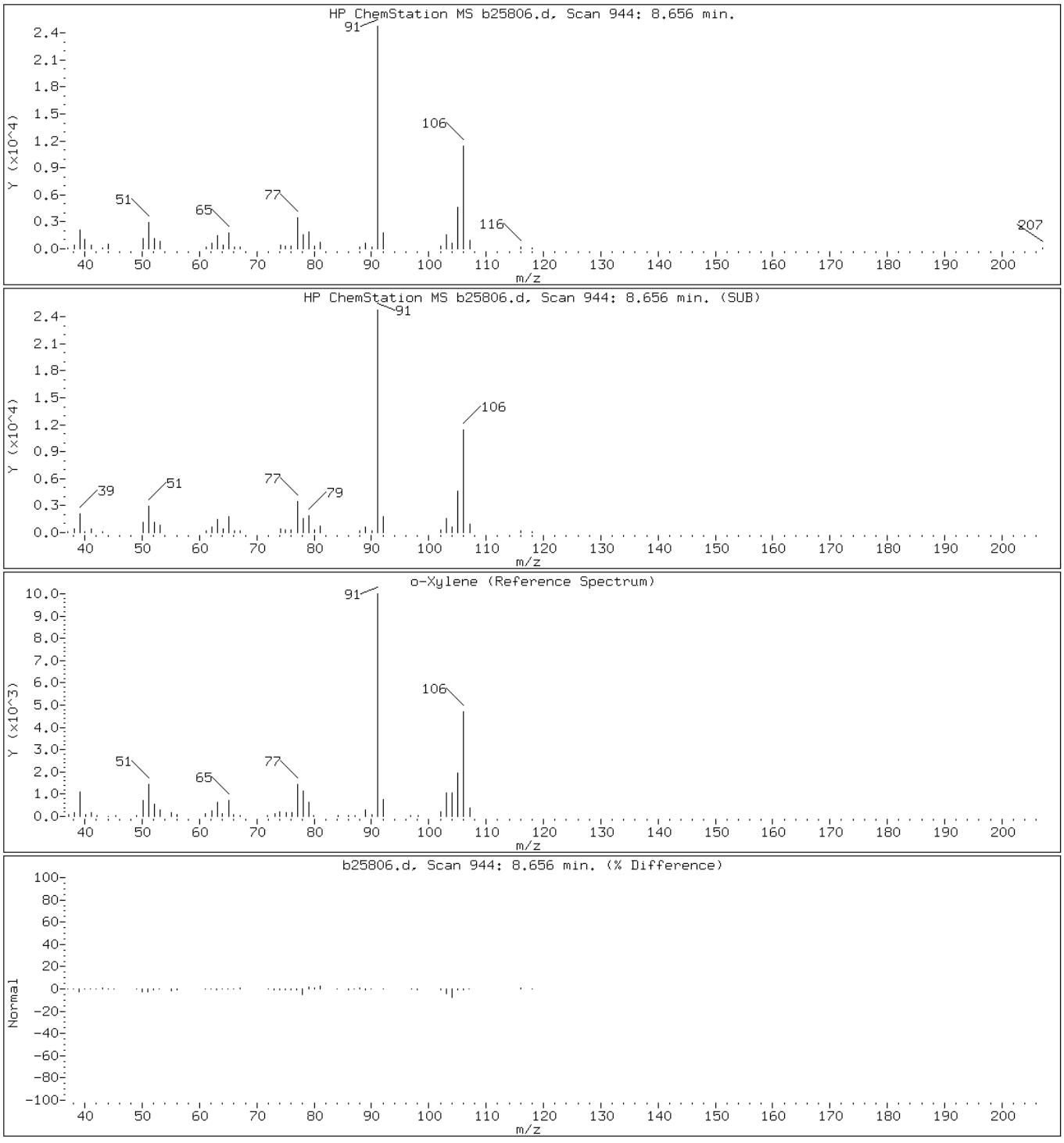
Data File: b25806.d

Date: 22-SEP-2009 02:20

Client ID: MW-36 Instrument: VOAMS2.i

Sample Info: 460-5722-D-9 Operator:

84 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: Trip Blank 091509 | Lab Sample ID: 460-5722-10

Matrix: Water | Lab File ID: b25798.d

Analysis Method: 8260B | Date Collected: 09/15/2009 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/21/2009 22:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 87 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 86 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 89 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25798.d
Report Date: 22-Sep-2009 08:43

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25798.d
Lab Smp Id: 460-5722-A-10 Client Smp ID: Trip Blank 091509
Inj Date : 21-SEP-2009 22:48
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5722-A-10
Misc Info : 460-5722-A-10
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

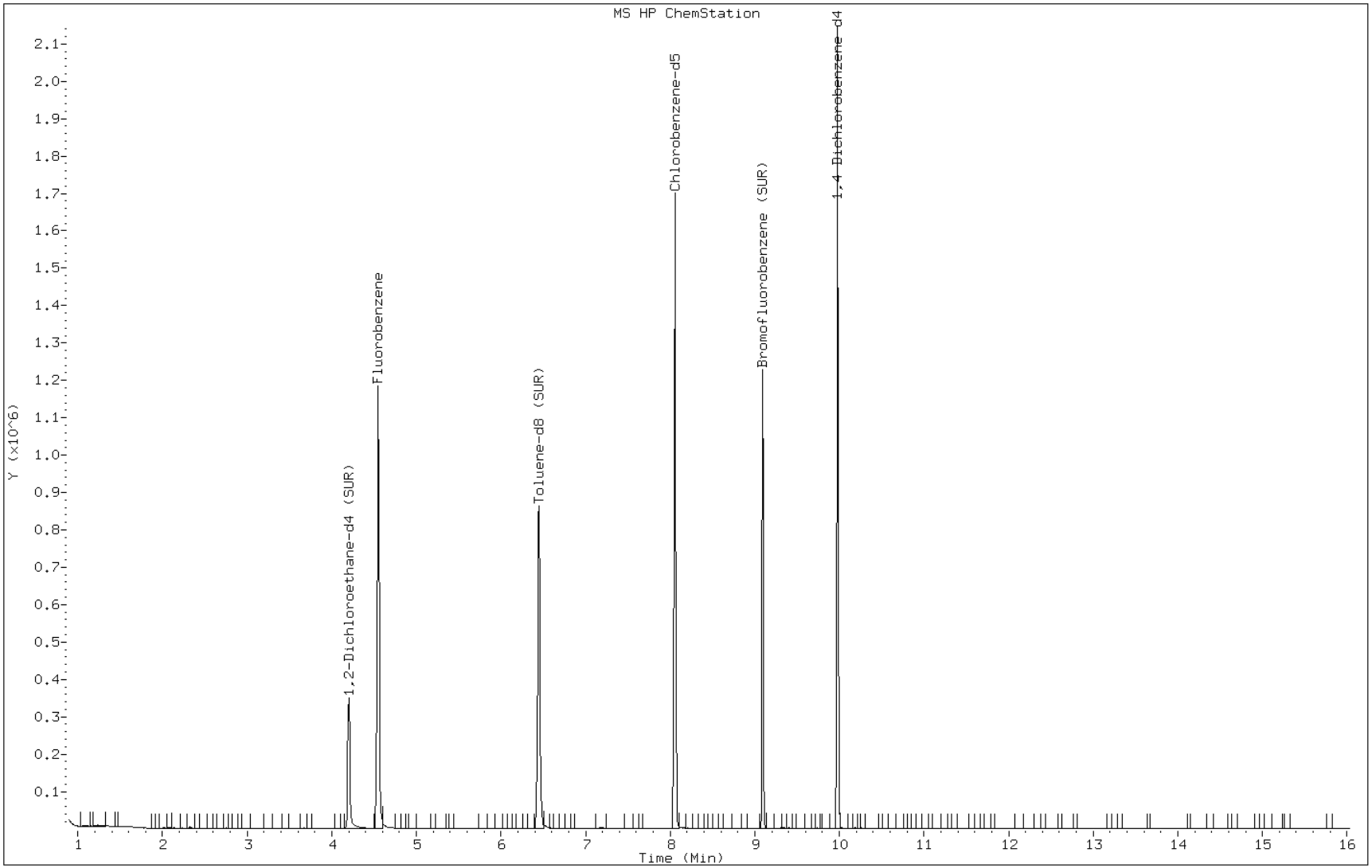
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 215337 | 43.3450 | 43 |
| * 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1028075 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 643954 | 44.3101 | 44 |
| * 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 767927 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 251035 | 42.8978 | 43 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 378574 | 50.0000 | |

Data File: b25798.d

Date: 21-SEP-2009 22:48

Client ID: Trip Blank 091509 Instrument: VOAMS2.i

Sample Info: 460-5722-A-10 Operator:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17465/2 | b25722.d |
| Level 2 | IC 460-17465/3 | b25724.d |
| Level 3 | ICIS 460-17465/4 | b25725.d |
| Level 4 | IC 460-17465/5 | b25726.d |
| Level 5 | IC 460-17465/6 | b25727.d |
| Level 6 | IC 460-17465/7 | b25728.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 3-Chloro-1-propene | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | | | | |
| Dimethylnaphthalene (total) | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | 15.0 | | | |
| n-Heptane | 0<br>0 | 0 | 0 | 0 | 0 | Ave | | | | | | | | 15.0 | | | |
| Dichlorodifluoromethane | 0.1154<br>0.2023 | 0.1993 | 0.1878 | 0.1968 | 0.2107 | LinF | | 0.2034 | | | | | | | 0.9997 | | 0.9900 |
| Chloromethane | 0.3331<br>0.3216 | 0.2957 | 0.2676 | 0.2723 | 0.2972 | Ave | | 0.2979 | | | 0.1000 | 8.7 | | 15.0 | | | |
| Vinyl chloride | 0.2128<br>0.2848 | 0.2921 | 0.2921 | 0.2908 | 0.2914 | Ave | | 0.2773 | | | | 11.4 | | 30.0 | | | |
| Bromomethane | 0.1587<br>0.1313 | 0.1497 | 0.1292 | 0.1446 | 0.1364 | Ave | | 0.1416 | | | | 8.1 | | 15.0 | | | |
| Chloroethane | 0.1339<br>0.1504 | 0.1745 | 0.1649 | 0.1641 | 0.1521 | Ave | | 0.1566 | | | | 9.1 | | 15.0 | | | |
| Trichlorofluoromethane | 0.2195<br>0.3382 | 0.3657 | 0.3643 | 0.3602 | 0.3658 | LinF | | 0.3424 | | | | | | | 0.9988 | | 0.9900 |
| Pentane | 0.0250<br>0.0431 | 0.0427 | 0.0418 | 0.0426 | 0.0437 | LinF | | 0.0432 | | | | | | | 1.0000 | | 0.9900 |
| 2-Methyl-1,3-butadiene | 0.2550<br>0.3361 | 0.3656 | 0.3277 | 0.3364 | 0.3475 | Ave | | 0.3280 | | | | 11.6 | | 15.0 | | | |
| Ethyl ether | 0.2179<br>0.1948 | 0.2294 | 0.2174 | 0.2015 | 0.1995 | Ave | | 0.2101 | | | | 6.4 | | 15.0 | | | |
| Acrolein | 0.0144<br>0.0095 | 0.0108 | 0.0105 | 0.0098 | 0.0091 | LinF | | 0.0094 | | | | | | | 0.9991 | | 0.9900 |
| 1,1-Dichloroethene | 0.1469<br>0.1901 | 0.1700 | 0.1904 | 0.1889 | 0.1912 | Ave | | 0.1796 | | | | 10.0 | | 30.0 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.1465<br>0.2278 | 0.2427 | 0.2167 | 0.2240 | 0.2278 | LinF | | 0.2278 | | | | | | | 1.0000 | | 0.9900 |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Acetone | 0.0261<br>0.0223 | 0.0260 | 0.0288 | 0.0245 | 0.0232 | Ave | | 0.0252 | | | | 9.3 | | 15.0 | | | |
| Iodomethane | 0.4211<br>0.3261 | 0.3623 | 0.3339 | 0.3378 | 0.3402 | Ave | | 0.3536 | | | | 10.0 | | 15.0 | | | |
| Carbon disulfide | 0.6726<br>0.7505 | 0.8076 | 0.7405 | 0.7569 | 0.7819 | Ave | | 0.7517 | | | | 6.1 | | 15.0 | | | |
| Isopropyl alcohol | 0.0087<br>0.0102 | 0.0091 | 0.0105 | 0.0098 | 0.0112 | Ave | | 0.0099 | | | | 9.4 | | 15.0 | | | |
| Acetonitrile | 0.0061<br>0.0048 | 0.0068 | 0.0064 | 0.0054 | 0.0051 | Ave | | 0.0057 | | | | 13.6 | | 15.0 | | | |
| Methyl acetate | 0.0917<br>0.0891 | 0.1041 | 0.0985 | 0.0924 | 0.0901 | Ave | | 0.0943 | | | | 6.2 | | 15.0 | | | |
| Methylene Chloride | 0.2205<br>0.2251 | 0.2482 | 0.2651 | 0.2485 | 0.2389 | Ave | | 0.2411 | | | | 6.9 | | 15.0 | | | |
| 2-Methyl-2-propanol | 0.0208<br>0.0219 | 0.0238 | 0.0239 | 0.0220 | 0.0228 | Ave | | 0.0226 | | | | 5.3 | | 15.0 | | | |
| trans-1,2-Dichloroethene | 0.2137<br>0.2478 | 0.2259 | 0.2489 | 0.2457 | 0.2464 | Ave | | 0.2381 | | | | 6.2 | | 15.0 | | | |
| Acrylonitrile | 0.0919<br>0.1229 | 0.1075 | 0.1196 | 0.1165 | 0.1103 | Ave | | 0.1115 | | | | 10.0 | | 15.0 | | | |
| Methyl tert-butyl ether | 0.6999<br>0.7020 | 0.8077 | 0.7719 | 0.7281 | 0.7200 | Ave | | 0.7383 | | | | 5.8 | | 15.0 | | | |
| Hexane | 0.1216<br>0.1575 | 0.1754 | 0.1576 | 0.1607 | 0.1631 | Ave | | 0.1560 | | | | 11.6 | | 15.0 | | | |
| 1,1-Dichloroethane | 0.3683<br>0.4193 | 0.3960 | 0.4447 | 0.4231 | 0.4262 | Ave | | 0.4129 | | | 0.1000 | 6.5 | | 15.0 | | | |
| Vinyl acetate | 0.6013<br>0.5367 | 0.6365 | 0.5862 | 0.5520 | 0.5436 | Ave | | 0.5760 | | | | 6.8 | | 15.0 | | | |
| Isopropyl ether | 0.7120<br>0.6872 | 0.7968 | 0.7525 | 0.7127 | 0.7187 | Ave | | 0.7300 | | | | 5.3 | | 15.0 | | | |
| Tert-butyl ethyl ether | 0.7522<br>0.7148 | 0.8299 | 0.7842 | 0.7407 | 0.7376 | Ave | | 0.7599 | | | | 5.4 | | 15.0 | | | |
| 2,2-Dichloropropane | 0.2641<br>0.2986 | 0.2867 | 0.3175 | 0.3066 | 0.3080 | Ave | | 0.2969 | | | | 6.4 | | 15.0 | | | |
| cis-1,2-Dichloroethene | 0.2493<br>0.2774 | 0.2632 | 0.2927 | 0.2763 | 0.2789 | Ave | | 0.2730 | | | | 5.5 | | 15.0 | | | |
| 2-Butanone (MEK) | 0.0303<br>0.0352 | 0.0346 | 0.0390 | 0.0344 | 0.0327 | Ave | | 0.0344 | | | | 8.3 | | 15.0 | | | |
| Ethyl acetate | 0.0264<br>0.0314 | 0.0339 | 0.0343 | 0.0320 | 0.0311 | Ave | | 0.0315 | | | | 8.9 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Chlorobromomethane | 0.1287<br>0.1463 | 0.1349 | 0.1543 | 0.1440 | 0.1455 | Ave | | 0.1423 | | | | 6.4 | | 15.0 | | | |
| Tetrahydrofuran | 0.1459<br>0.0799 | 0.1046 | 0.0925 | 0.0824 | 0.0792 | LinF | | 0.0799 | | | | | | | 0.9999 | | 0.9900 |
| Chloroform | 0.3762<br>0.4258 | 0.4082 | 0.4575 | 0.4348 | 0.4337 | Ave | | 0.4227 | | | | 6.6 | | 30.0 | | | |
| 1,1,1-Trichloroethane | 0.2504<br>0.3478 | 0.3053 | 0.3516 | 0.3473 | 0.3524 | Ave | | 0.3258 | | | | 12.6 | | 15.0 | | | |
| Cyclohexane | 0.2587<br>0.3978 | 0.4148 | 0.3795 | 0.3965 | 0.4047 | LinF | | 0.3987 | | | | | | | 0.9999 | | 0.9900 |
| Carbon tetrachloride | 0.1925<br>0.3028 | 0.2416 | 0.2868 | 0.2884 | 0.3006 | LinF | | 0.3024 | | | | | | | 1.0000 | | 0.9900 |
| 1,1-Dichloropropene | 0.2470<br>0.3352 | 0.2883 | 0.3333 | 0.3326 | 0.3341 | Ave | | 0.3117 | | | | 11.7 | | 15.0 | | | |
| Benzene | 1.4759<br>1.1701 | 1.2632 | 1.3117 | 1.2370 | 1.1965 | Ave | | 1.2757 | | | | 8.6 | | 15.0 | | | |
| 1,2-Dichloroethane | 0.3083<br>0.3201 | 0.3238 | 0.3578 | 0.3313 | 0.3272 | Ave | | 0.3281 | | | | 5.0 | | 15.0 | | | |
| Isopropyl acetate | 0.6372<br>0.5501 | 0.6749 | 0.6473 | 0.6053 | 0.5825 | Ave | | 0.6162 | | | | 7.4 | | 15.0 | | | |
| Tert-amyl methyl ether | 0.6976<br>0.7175 | 0.7976 | 0.7680 | 0.7252 | 0.7281 | Ave | | 0.7390 | | | | 5.0 | | 15.0 | | | |
| Trichloroethene | 0.2156<br>0.2600 | 0.2342 | 0.2660 | 0.2590 | 0.2613 | Ave | | 0.2494 | | | | 8.0 | | 15.0 | | | |
| n-Butanol | 0.0035<br>0.0054 | 0.0039 | 0.0046 | 0.0047 | 0.0054 | QuaF | | 252.08 | -219.2 | | | | | | 0.9937 | | 0.9900 |
| Ethyl acrylate | 0.5657<br>0.6522 | 0.7217 | 0.6900 | 0.6779 | 0.6670 | Ave | | 0.6624 | | | | 8.0 | | 15.0 | | | |
| Methylcyclohexane | 0.2635<br>0.4049 | 0.4210 | 0.3924 | 0.4061 | 0.4129 | LinF | | 0.4060 | | | | | | | 0.9999 | | 0.9900 |
| 1,2-Dichloropropane | 0.2249<br>0.2544 | 0.2399 | 0.2693 | 0.2572 | 0.2551 | Ave | | 0.2501 | | | | 6.2 | | 30.0 | | | |
| Dibromomethane | 0.1493<br>0.1791 | 0.1705 | 0.1932 | 0.1794 | 0.1789 | Ave | | 0.1751 | | | | 8.3 | | 15.0 | | | |
| 1,4-Dioxane | +++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | 15.0 | | | |
| Methyl methacrylate | 0.0681<br>0.0812 | 0.0863 | 0.0851 | 0.0827 | 0.0806 | Ave | | 0.0807 | | | | 8.1 | | 15.0 | | | |
| n-Propyl acetate | 0.4070<br>0.3783 | 0.4465 | 0.4397 | 0.4123 | 0.3894 | Ave | | 0.4122 | | | | 6.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Dichlorobromomethane | 0.2863<br>0.3500 | 0.3123 | 0.3604 | 0.3452 | 0.3508 | Ave | | 0.3342 | | | | 8.6 | | 15.0 | | | |
| 2-Chloroethyl vinyl ether | 0.1819<br>0.1923 | 0.2168 | 0.2021 | 0.1945 | 0.1933 | Ave | | 0.1968 | | | | 6.0 | | 15.0 | | | |
| Epichlorohydrin | 0.0316<br>0.0336 | 0.0362 | 0.0375 | 0.0349 | 0.0336 | Ave | | 0.0346 | | | | 6.0 | | 15.0 | | | |
| cis-1,3-Dichloropropene | 0.4401<br>0.5232 | 0.4678 | 0.5503 | 0.5231 | 0.5199 | Ave | | 0.5041 | | | | 8.2 | | 15.0 | | | |
| 4-Methyl-2-pentanone (MIBK) | 0.3073<br>0.3388 | 0.3371 | 0.3976 | 0.3503 | 0.3391 | Ave | | 0.3450 | | | | 8.6 | | 15.0 | | | |
| Toluene | 1.4253<br>1.2600 | 1.3217 | 1.4250 | 1.3492 | 1.3004 | Ave | | 1.3469 | | | | 5.0 | | 30.0 | | | |
| trans-1,3-Dichloropropene | 0.4164<br>0.5016 | 0.4424 | 0.5167 | 0.4925 | 0.4949 | Ave | | 0.4774 | | | | 8.2 | | 15.0 | | | |
| 1,1,2-Trichloroethane | 0.2387<br>0.2604 | 0.2540 | 0.2853 | 0.2636 | 0.2584 | Ave | | 0.2601 | | | | 5.8 | | 15.0 | | | |
| Tetrachloroethene | 0.2750<br>0.3550 | 0.3125 | 0.3634 | 0.3543 | 0.3545 | Ave | | 0.3358 | | | | 10.4 | | 15.0 | | | |
| 1,3-Dichloropropane | 0.4825<br>0.5234 | 0.5082 | 0.5777 | 0.5369 | 0.5211 | Ave | | 0.5250 | | | | 6.0 | | 15.0 | | | |
| 2-Hexanone | 0.2224<br>0.2504 | 0.2433 | 0.2817 | 0.2541 | 0.2480 | Ave | | 0.2500 | | | | 7.7 | | 15.0 | | | |
| Chlorodibromomethane | 0.2792<br>0.3706 | 0.3053 | 0.3666 | 0.3555 | 0.3638 | Ave | | 0.3402 | | | | 11.3 | | 15.0 | | | |
| n-Butyl acetate | 0.0899<br>0.1063 | 0.1080 | 0.1104 | 0.1062 | 0.1046 | Ave | | 0.1042 | | | | 7.0 | | 15.0 | | | |
| Ethylene Dibromide | 0.3132<br>0.3468 | 0.3258 | 0.3758 | 0.3510 | 0.3465 | Ave | | 0.3432 | | | | 6.3 | | 15.0 | | | |
| Chlorobenzene | 0.8050<br>0.8420 | 0.8261 | 0.9199 | 0.8662 | 0.8595 | Ave | | 0.8531 | | | 0.3000 | 4.6 | | 15.0 | | | |
| 1,1,1,2-Tetrachloroethane | 0.2484<br>0.3192 | 0.2569 | 0.3144 | 0.2977 | 0.3094 | Ave | | 0.2910 | | | | 10.5 | | 15.0 | | | |
| Ethylbenzene | 0.3856<br>0.4614 | 0.4037 | 0.4758 | 0.4571 | 0.4588 | Ave | | 0.4404 | | | | 8.3 | | 30.0 | | | |
| m-Xylene & p-Xylene | 0.4785<br>0.5270 | 0.4995 | 0.5907 | 0.5692 | 0.5626 | Ave | | 0.5379 | | | | 8.1 | | 15.0 | | | |
| o-Xylene | 0.4628<br>0.5408 | 0.4824 | 0.5624 | 0.5427 | 0.5423 | Ave | | 0.5222 | | | | 7.6 | | 15.0 | | | |
| Styrene | 0.8356<br>0.9123 | 0.8478 | 1.0200 | 0.9700 | 0.9737 | Ave | | 0.9266 | | | | 8.0 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| n-Butyl acrylate | 0.2267<br>0.2822 | 0.2751 | 0.2801 | 0.2724 | 0.2812 | Ave | | 0.2696 | | | | 7.9 | | 15.0 | | | |
| Bromoform | 0.1834<br>0.2818 | 0.2073 | 0.2554 | 0.2504 | 0.2687 | LinF | | 0.2798 | | | | | | | 0.9994 | | 0.9900 |
| Amyl acetate (mixed isomers) | 0.3179<br>0.3631 | 0.3934 | 0.3859 | 0.3700 | 0.3681 | Ave | | 0.3664 | | | | 7.2 | | 15.0 | | | |
| Isopropylbenzene | 1.0319<br>1.2114 | 1.1557 | 1.3717 | 1.3287 | 1.3176 | Ave | | 1.2362 | | | | 10.4 | | 15.0 | | | |
| Camphene | 0.3534<br>0.5021 | 0.4968 | 0.4699 | 0.4881 | 0.5007 | Ave | | 0.4685 | | | | 12.3 | | 15.0 | | | |
| Bromobenzene | 0.7387<br>0.7651 | 0.7394 | 0.8324 | 0.7846 | 0.7765 | Ave | | 0.7728 | | | | 4.5 | | 15.0 | | | |
| 1,1,2,2-Tetrachloroethane | 0.7855<br>0.8558 | 0.7953 | 0.9247 | 0.8651 | 0.8464 | Ave | | 0.8455 | | | 0.3000 | 6.0 | | 15.0 | | | |
| 1,2,3-Trichloropropane | 0.2365<br>0.2590 | 0.2421 | 0.2821 | 0.2644 | 0.2548 | Ave | | 0.2565 | | | | 6.4 | | 15.0 | | | |
| trans-1,4-Dichloro-2-butene | 0.2205<br>0.2487 | 0.2682 | 0.2717 | 0.2603 | 0.2515 | Ave | | 0.2535 | | | | 7.3 | | 15.0 | | | |
| N-Propylbenzene | 2.7464<br>2.7350 | 3.0888 | 3.5431 | 3.3876 | 3.3220 | Ave | | 3.1371 | | | | 10.8 | | 15.0 | | | |
| 2-Chlorotoluene | 1.7642<br>1.8388 | 1.7830 | 2.0445 | 1.9408 | 1.9313 | Ave | | 1.8837 | | | | 5.7 | | 15.0 | | | |
| 4-Chlorotoluene | 2.1043<br>2.0442 | 2.0876 | 2.4032 | 2.2960 | 2.2746 | Ave | | 2.2016 | | | | 6.5 | | 15.0 | | | |
| 1,3,5-Trimethylbenzene | 1.9569<br>2.0322 | 1.9706 | 2.3467 | 2.2800 | 2.2637 | Ave | | 2.1417 | | | | 8.1 | | 15.0 | | | |
| Butyl Methacrylate | 0.6709<br>0.8468 | 0.8351 | 0.8471 | 0.8306 | 0.8437 | Ave | | 0.8124 | | | | 8.6 | | 15.0 | | | |
| tert-Butylbenzene | 1.5330<br>1.8616 | 1.6891 | 1.9637 | 1.8943 | 1.9177 | Ave | | 1.8099 | | | | 9.1 | | 15.0 | | | |
| 1,2,4-Trimethylbenzene | 2.0540<br>2.1122 | 2.0653 | 2.4082 | 2.3143 | 2.2751 | Ave | | 2.2048 | | | | 6.7 | | 15.0 | | | |
| 2-Octanone | 0.6728<br>0.9150 | 0.8858 | 0.9042 | 0.9281 | 0.9399 | Ave | | 0.8743 | | | | 11.5 | | 15.0 | | | |
| sec-Butylbenzene | 2.1746<br>2.4314 | 2.5450 | 2.9368 | 2.8415 | 2.8373 | Ave | | 2.6278 | | | | 11.2 | | 15.0 | | | |
| 2-Octanol | 0.1663<br>0.3831 | 0.2102 | 0.2447 | 0.2978 | 0.3702 | QuaF | | 2.8290 | -0.058 | | | | | | 0.9996 | | 0.9900 |
| 1,3-Dichlorobenzene | 1.3731<br>1.3269 | 1.2662 | 1.4700 | 1.3889 | 1.3622 | Ave | | 1.3646 | | | | 5.0 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 4-Isopropyltoluene | 1.9198<br>2.1348 | 2.0787 | 2.4722 | 2.4154 | 2.4078 | Ave | | 2.2381 | | | | 10.0 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.4200<br>1.3489 | 1.3472 | 1.5191 | 1.4170 | 1.4024 | Ave | | 1.4091 | | | | 4.5 | | 15.0 | | | |
| Benzyl chloride | 1.1181<br>1.3583 | 1.3271 | 1.4084 | 1.3992 | 1.4181 | Ave | | 1.3382 | | | | 8.5 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.2748<br>1.2450 | 1.2057 | 1.3852 | 1.3166 | 1.3210 | Ave | | 1.2914 | | | | 4.9 | | 15.0 | | | |
| n-Butylbenzene | 1.6397<br>2.0171 | 1.9502 | 2.2743 | 2.2415 | 2.2426 | Ave | | 2.0609 | | | | 11.9 | | 15.0 | | | |
| 1,2-Dibromo-3-Chloropropane | 0.1222<br>0.1409 | 0.1143 | 0.1455 | 0.1417 | 0.1420 | Ave | | 0.1344 | | | | 9.6 | | 15.0 | | | |
| Camphor | 0.0722<br>0.0538 | 0.0669 | 0.0613 | 0.0575 | 0.0573 | Ave | | 0.0615 | | | | 11.2 | | 15.0 | | | |
| 1,2,4-Trichlorobenzene | 0.7862<br>0.7408 | 0.7220 | 0.8401 | 0.8457 | 0.7853 | Ave | | 0.7867 | | | | 6.4 | | 15.0 | | | |
| Hexachlorobutadiene | 0.2388<br>0.3342 | 0.2774 | 0.2971 | 0.3213 | 0.3464 | Ave | | 0.3025 | | | | 13.2 | | 15.0 | | | |
| Naphthalene | 1.9028<br>1.7231 | 1.7257 | 2.1177 | 2.1326 | 1.9848 | Ave | | 1.9311 | | | | 9.4 | | 15.0 | | | |
| 1,2,3-Trichlorobenzene | 0.6854<br>0.5719 | 0.5951 | 0.6828 | 0.7098 | 0.6523 | Ave | | 0.6496 | | | | 8.4 | | 15.0 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 0.2472<br>0.2428 | 0.2387 | 0.2467 | 0.2405 | 0.2339 | Ave | | 0.2416 | | | | 2.1 | | 15.0 | | | |
| Toluene-d8 (Surr) | 0.9535<br>0.9505 | 0.9340 | 0.9746 | 0.9470 | 0.9178 | Ave | | 0.9462 | | | | 2.0 | | 15.0 | | | |
| 4-Bromofluorobenzene | 0.7945<br>0.7779 | 0.7552 | 0.7805 | 0.7797 | 0.7495 | Ave | | 0.7729 | | | | 2.2 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17465/2 | b25722.d |
| Level 2 | IC 460-17465/3 | b25724.d |
| Level 3 | ICIS 460-17465/4 | b25725.d |
| Level 4 | IC 460-17465/5 | b25726.d |
| Level 5 | IC 460-17465/6 | b25727.d |
| Level 6 | IC 460-17465/7 | b25728.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 3-Chloro-1-propene | FB | Ave | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ |
| Dimethylnaphthalene (total) | DCB | Ave | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ |
| n-Heptane | FB | Ave | 0<br>0 | 0 | 0 | 0 | 0 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Dichlorodifluoromethane | FB | LinF | 2297<br>2162147 | 20202 | 76442 | 206321 | 878085 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chloromethane | FB | Ave | 6631<br>3437630 | 29971 | 108905 | 285534 | 1238409 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Vinyl chloride | FB | Ave | 4236<br>3044057 | 29603 | 118895 | 304909 | 1214429 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Bromomethane | FB | Ave | 3160<br>1403409 | 15171 | 52566 | 151579 | 568366 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chloroethane | FB | Ave | 2666<br>1607678 | 17681 | 67108 | 172021 | 633918 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Trichlorofluoromethane | FB | LinF | 4370<br>3614208 | 37059 | 148288 | 377678 | 1524218 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Pentane | FB | LinF | 497<br>460365 | 4323 | 17029 | 44717 | 182133 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Methyl-1,3-butadiene | FB | Ave | 5076<br>3591972 | 37053 | 133358 | 352691 | 1448056 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethyl ether | FB | Ave | 4337<br>2081708 | 23244 | 88470 | 211262 | 831388 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Acrolein | FB | LinF | 1147<br>80860 | 4367 | 8525 | 20538 | 37804 | 4.00<br>400 | 20.0 | 40.0 | 100 | 200 |
| 1,1-Dichloroethene | FB | Ave | 2924<br>2031845 | 17229 | 77511 | 198023 | 796880 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | FB | LinF | 2916<br>2434643 | 24600 | 88197 | 234873 | 949461 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Acetone | FB | Ave | 5202<br>238841 | 7913 | 11730 | 25691 | 96669 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Iodomethane | FB | Ave | 8383<br>3484875 | 36718 | 135909 | 354178 | 1417534 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Carbon disulfide | FB | Ave | 13390<br>8021043 | 81842 | 301379 | 793610 | 3258215 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropyl alcohol | FB | Ave | 173056<br>1311133 | 367441 | 640600 | 819598 | 1167378 | 1000<br>6000 | 2000 | 3000 | 4000 | 5000 |
| Acetonitrile | FB | Ave | 2434<br>1029226 | 13714 | 51719 | 112454 | 421400 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |
| Methyl acetate | FB | Ave | 1826<br>952029 | 10553 | 40077 | 96886 | 375578 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Methylene Chloride | FB | Ave | 4389<br>2406159 | 25158 | 107907 | 260597 | 995644 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Methyl-2-propanol | FB | Ave | 8296<br>4690667 | 48289 | 194688 | 461324 | 1898636 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |
| trans-1,2-Dichloroethene | FB | Ave | 4255<br>2648139 | 22895 | 101321 | 257619 | 1026728 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Acrylonitrile | FB | Ave | 3661<br>525582 | 21793 | 48675 | 122116 | 229914 | 2.00<br>200 | 10.0 | 20.0 | 50.0 | 100 |
| Methyl tert-butyl ether | FB | Ave | 13933<br>7503178 | 81855 | 314154 | 763376 | 3000427 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Hexane | FB | Ave | 2421<br>1682846 | 17777 | 64159 | 168442 | 679545 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1-Dichloroethane | FB | Ave | 7332<br>4481583 | 40134 | 180984 | 443565 | 1776012 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Vinyl acetate | FB | Ave | 11971<br>5736063 | 64506 | 238596 | 578716 | 2265135 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropyl ether | FB | Ave | 14174<br>7344765 | 80754 | 306285 | 747284 | 2995087 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Tert-butyl ethyl ether | FB | Ave | 14975<br>7639978 | 84103 | 319169 | 776600 | 3073852 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2,2-Dichloropropane | FB | Ave | 5257<br>3190993 | 29054 | 129232 | 321513 | 1283323 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| cis-1,2-Dichloroethene | FB | Ave | 4964<br>2964997 | 26678 | 119125 | 289702 | 1162176 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Butanone (MEK) | FB | Ave | 6038<br>376475 | 10509 | 15857 | 36079 | 136162 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| Ethyl acetate | FB | Ave | 1053<br>670152 | 6861 | 27881 | 67018 | 259255 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| Chlorobromomethane | FB | Ave | 2562<br>1564095 | 13667 | 62799 | 151028 | 606445 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Tetrahydrofuran | FB | LinF | 2904<br>854447 | 10599 | 37662 | 86441 | 330062 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Chloroform | FB | Ave | 7490<br>4551130 | 41366 | 186190 | 455875 | 1807123 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,1-Trichloroethane | FB | Ave | 4984<br>3717670 | 30941 | 143117 | 364097 | 1468641 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Cyclohexane | FB | LinF | 5150<br>4252054 | 42041 | 154457 | 415686 | 1686339 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Carbon tetrachloride | FB | LinF | 3833<br>3236793 | 24485 | 116721 | 302332 | 1252665 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1-Dichloropropene | FB | Ave | 4917<br>3582766 | 29214 | 135650 | 348747 | 1392084 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Benzene | CBZ | Ave | 23096<br>10021947 | 100386 | 419898 | 1021918 | 4016321 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichloroethane | FB | Ave | 6138<br>3420969 | 32814 | 145608 | 347341 | 1363608 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropyl acetate | FB | Ave | 25370<br>11759780 | 136801 | 526880 | 1269282 | 4854795 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| Tert-amyl methyl ether | FB | Ave | 13888<br>7668325 | 80828 | 312564 | 760349 | 3034122 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Trichloroethene | FB | Ave | 4293<br>2778727 | 23738 | 108246 | 271533 | 1088921 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butanol | FB | QuaF | 34466<br>343128 | 79506 | 141075 | 198059 | 283529 | 500<br>3000 | 1000 | 1500 | 2000 | 2500 |
| Ethyl acrylate | FB | Ave | 11262<br>6970931 | 73136 | 280828 | 710746 | 2779461 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Methylcyclohexane | FB | LinF | 5246<br>4327054 | 42670 | 159715 | 425752 | 1720478 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichloropropane | FB | Ave | 4477<br>2719491 | 24314 | 109586 | 269631 | 1063184 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Dibromomethane | FB | Ave | 2973<br>1914067 | 17283 | 78614 | 188072 | 745676 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,4-Dioxane | FB | Ave | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ |
| Methyl methacrylate | FB | Ave | 1356<br>867783 | 8751 | 34636 | 86668 | 335987 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Propyl acetate | FB | Ave | 16207<br>8087551 | 90509 | 357920 | 864664 | 3245261 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| Dichlorobromomethane | FB | Ave | 5699<br>3740556 | 31646 | 146678 | 361963 | 1461973 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Chloroethyl vinyl ether | FB | Ave | 3621<br>2054807 | 21973 | 82235 | 203897 | 805357 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Epichlorohydrin | CBZ | Ave | 9904<br>5757366 | 57506 | 239947 | 576743 | 2255021 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| cis-1,3-Dichloropropene | CBZ | Ave | 6887<br>4481655 | 37177 | 176167 | 432145 | 1745326 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Methyl-2-pentanone (MIBK) | CBZ | Ave | 48088<br>2901530 | 80358 | 127269 | 289366 | 1138342 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| Toluene | CBZ | Ave | 22305<br>10792305 | 105036 | 456150 | 1114623 | 4365052 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| trans-1,3-Dichloropropene | CBZ | Ave | 6516<br>4296398 | 35158 | 165409 | 406875 | 1661427 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2-Trichloroethane | CBZ | Ave | 3735<br>2230606 | 20182 | 91313 | 217774 | 867502 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Tetrachloroethene | CBZ | Ave | 4304<br>3040622 | 24833 | 116315 | 292666 | 1190102 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3-Dichloropropane | CBZ | Ave | 7550<br>4483411 | 40390 | 184934 | 443556 | 1749329 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Hexanone | CBZ | Ave | 34798<br>2144946 | 58004 | 90187 | 209962 | 832564 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| Chlorodibromomethane | CBZ | Ave | 4370<br>3174619 | 24260 | 117358 | 293735 | 1221234 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butyl acetate | CBZ | Ave | 2813<br>1821322 | 17160 | 70703 | 175508 | 702331 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| Ethylene Dibromide | CBZ | Ave | 4901<br>2970276 | 25891 | 120282 | 290014 | 1163169 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chlorobenzene | CBZ | Ave | 12598<br>7212376 | 65648 | 294458 | 715612 | 2885019 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,1,2-Tetrachloroethane | CBZ | Ave | 3888<br>2733835 | 20414 | 100650 | 245925 | 1038688 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethylbenzene | CBZ | Ave | 6035<br>3951814 | 32079 | 152308 | 377600 | 1540137 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| m-Xylene & p-Xylene | CBZ | Ave | 14975<br>9027023 | 79392 | 378194 | 940554 | 3777367 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| o-Xylene | CBZ | Ave | 7242<br>4631838 | 38336 | 180014 | 448326 | 1820334 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Styrene | CBZ | Ave | 13076<br>7814426 | 67375 | 326517 | 801336 | 3268606 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butyl acrylate | CBZ | Ave | 3547<br>2417083 | 21864 | 89662 | 225005 | 943833 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Bromoform | CBZ | LinF | 2870<br>2413568 | 16471 | 81766 | 206841 | 902061 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Amyl acetate (mixed isomers) | DCB | Ave | 2397<br>1610851 | 15299 | 61701 | 152230 | 630930 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropylbenzene | CBZ | Ave | 16148<br>10376092 | 91846 | 439077 | 1097703 | 4422991 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Camphene | CBZ | Ave | 5531<br>4300894 | 39484 | 150414 | 403240 | 1680580 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Bromobenzene | DCB | Ave | 5569<br>3394179 | 28757 | 133105 | 322861 | 1330930 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2,2-Tetrachloroethane | DCB | Ave | 5922<br>3796224 | 30930 | 147862 | 355973 | 1450822 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,3-Trichloropropane | DCB | Ave | 1783<br>1148908 | 9415 | 45118 | 108791 | 436664 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| trans-1,4-Dichloro-2-butene | DCB | Ave | 1662<br>1103178 | 10431 | 43441 | 107120 | 431019 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| N-Propylbenzene | DCB | Ave | 20705<br>12132666 | 120128 | 566565 | 1393954 | 5693980 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Chlorotoluene | DCB | Ave | 13300<br>8156842 | 69344 | 326927 | 798605 | 3310288 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Chlorotoluene | DCB | Ave | 15864<br>9068193 | 81190 | 384285 | 944774 | 3898689 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3,5-Trimethylbenzene | DCB | Ave | 14753<br>9015003 | 76641 | 375257 | 938203 | 3880021 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Butyl Methacrylate | DCB | Ave | 5058<br>3756223 | 32479 | 135461 | 341779 | 1446163 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| tert-Butylbenzene | DCB | Ave | 11557<br>8258012 | 65691 | 314005 | 779469 | 3286933 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,4-Trimethylbenzene | DCB | Ave | 15485<br>9369606 | 80325 | 385085 | 952282 | 3899622 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Octanone | DCB | Ave | 5072<br>4059075 | 34449 | 144590 | 381882 | 1611088 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| sec-Butylbenzene | DCB | Ave | 16394<br>10785597 | 98982 | 469624 | 1169242 | 4863255 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Octanol | DCB | QuaF | 1254<br>1699365 | 8177 | 39129 | 122528 | 634584 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3-Dichlorobenzene | DCB | Ave | 10352<br>5886211 | 49246 | 235058 | 571521 | 2334833 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Isopropyltoluene | DCB | Ave | 14473<br>9470061 | 80846 | 395322 | 993894 | 4127036 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,4-Dichlorobenzene | DCB | Ave | 10705<br>5983583 | 52397 | 242912 | 583082 | 2403738 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Benzyl chloride | DCB | Ave | 8429<br>6025437 | 51613 | 225209 | 575758 | 2430638 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichlorobenzene | DCB | Ave | 9611<br>5523015 | 46891 | 221509 | 541775 | 2264160 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butylbenzene | DCB | Ave | 12362<br>8947810 | 75847 | 363679 | 922327 | 3843842 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,2-Dibromo-3-Chloropropane | DCB | Ave | 921<br>625086 | 4444 | 23271 | 58287 | 243318 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Camphor | DCB | Ave | 2722<br>1194177 | 13009 | 49036 | 118225 | 491122 | 5.00<br>2500 | 25.0 | 100 | 250 | 1000 |
| 1,2,4-Trichlorobenzene | DCB | Ave | 5927<br>3286344 | 28081 | 134340 | 348008 | 1345994 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Hexachlorobutadiene | DCB | Ave | 1800<br>1482511 | 10787 | 47508 | 132214 | 593662 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Naphthalene | DCB | Ave | 14345<br>7643893 | 67117 | 338642 | 877529 | 3402033 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,3-Trichlorobenzene | DCB | Ave | 5167<br>2537077 | 23146 | 109187 | 292079 | 1118050 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Ave | 246027<br>259477 | 241898 | 251006 | 252176 | 243628 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| Toluene-d8 (Surr) | CBZ | Ave | 746110<br>814125 | 742247 | 779911 | 782384 | 770249 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 4-Bromofluorobenzene | DCB | Ave | 299500<br>345092 | 293714 | 312007 | 320843 | 321161 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25722.d
Report Date: 21-Sep-2009 13:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25722.d
Lab Smp Id: IC-VM8LCAL1
Inj Date : 19-SEP-2009 07:48
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM8LCAL1
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 07:48 Cal File: b25722.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 2297 | 1.00000 | 0.57(a) |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 6631 | 1.00000 | 1.1 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 4236 | 1.00000 | 0.77(a) |
| 6 Bromomethane | 94 | 1.340 | 1.331 | (0.294) | 3160 | 1.00000 | 1.1 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 2666 | 1.00000 | 0.85(a) |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 4370 | 1.00000 | 0.64(a) |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 497 | 1.00000 | 0.58(a) |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 5076 | 1.00000 | 0.78(a) |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 4337 | 1.00000 | 1.0 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 1147 | 4.00000 | 6.1 |
| 15 1,1-Dichloroethene | 96 | 1.949 | 1.948 | (0.428) | 2924 | 1.00000 | 0.82(a) |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 2916 | 1.00000 | 0.64(a) |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 5202 | 10.0000 | 10 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 8383 | 1.00000 | 1.2 |
| 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.461) | 13390 | 1.00000 | 0.89(a) |
| 19 Isopropanol | 45 | 2.146 | 2.154 | (0.472) | 173056 | 1000.00 | 880(a) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25722.d
Report Date: 21-Sep-2009 13:26

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 2434 | 20.0000 | 21 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 1826 | 1.00000 | 0.97(a) |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 4389 | 1.00000 | 0.91(a) |
| | 24 TBA | 59 | 2.467 | 2.467 | (0.542) | 8296 | 20.0000 | 18(a) |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 4255 | 1.00000 | 0.90(a) |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 3661 | 2.00000 | 1.6(a) |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 13933 | 1.00000 | 0.95(a) |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 2421 | 1.00000 | 0.78(a) |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 7332 | 1.00000 | 0.89(a) |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.952 | (0.651) | 11971 | 1.00000 | 1.0 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 14174 | 1.00000 | 0.98(a) |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 14975 | 1.00000 | 0.99(a) |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.389 | (0.747) | 5257 | 1.00000 | 0.89(a) |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 4964 | 1.00000 | 0.91(a) |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 6038 | 10.0000 | 8.8(a) |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 1053 | 2.00000 | 1.7(a) |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 2562 | 1.00000 | 0.90(a) |
| | 41 Tetrahydrofuran | 42 | 3.669 | 3.668 | (0.806) | 2904 | 1.00000 | 1.8 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 7490 | 1.00000 | 0.89(a) |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 4984 | 1.00000 | 0.77(a) |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 5150 | 1.00000 | 0.65(a) |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 3833 | 1.00000 | 0.64(a) |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 4917 | 1.00000 | 0.79(a) |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 246027 | 50.0000 | 51 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 23096 | 1.00000 | 1.2 |
| | 49 1,2-Dichloroethane | 62 | 4.278 | 4.277 | (0.940) | 6138 | 1.00000 | 0.94(a) |
| | 50 t-Amyl-methyl-ether | 73 | 4.385 | 4.384 | (0.964) | 13888 | 1.00000 | 0.94(a) |
| | 61 Isopropyl Acetate | 43 | 4.385 | 4.384 | (0.964) | 25370 | 2.00000 | 2.1 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 995394 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 4293 | 1.00000 | 0.86(a) |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 34466 | 500.000 | 420(a) |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 5246 | 1.00000 | 0.65(a) |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 11262 | 1.00000 | 0.85(a) |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.147) | 4477 | 1.00000 | 0.90(a) |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 2973 | 1.00000 | 0.85(a) |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.405 | (1.190) | 1356 | 1.00000 | 0.84(a) |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 16207 | 2.00000 | 2.0 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 5699 | 1.00000 | 0.86(a) |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 3621 | 1.00000 | 0.92(a) |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.039 | (0.750) | 9904 | 20.0000 | 18 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 6887 | 1.00000 | 0.87(a) |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 48088 | 10.0000 | 8.9(a) |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 746110 | 50.0000 | 50 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 22305 | 1.00000 | 1.0 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 6516 | 1.00000 | 0.87(a) |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 3735 | 1.00000 | 0.92(a) |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 4304 | 1.00000 | 0.82(a) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25722.d
Report Date: 21-Sep-2009 13:26

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 72 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 7550 | 1.00000 | 0.92(a) |
| | 73 2-Hexanone | 43 | 7.397 | 7.397 | (0.918) | 34798 | 10.0000 | 8.9(a) |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 4370 | 1.00000 | 0.82(a) |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 2813 | 2.00000 | 1.7(a) |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 4901 | 1.00000 | 0.91(a) |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 782460 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 12598 | 1.00000 | 0.94(a) |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 3888 | 1.00000 | 0.85(a) |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 6035 | 1.00000 | 0.88(a) |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 14975 | 2.00000 | 1.8 |
| | 84 o-Xylene | 106 | 8.664 | 8.656 | (1.076) | 7242 | 1.00000 | 0.89(a) |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.078) | 13076 | 1.00000 | 0.90(a) |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 3547 | 1.00000 | 0.84(a) |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 2870 | 1.00000 | 0.66(a) |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 2397 | 1.00000 | 0.87(a) |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 16148 | 1.00000 | 0.83(a) |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.912) | 299500 | 50.0000 | 51 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 5531 | 1.00000 | 0.75(a) |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 5569 | 1.00000 | 0.96(a) |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 5922 | 1.00000 | 0.93(a) |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 1783 | 1.00000 | 0.92(a) |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 1662 | 1.00000 | 0.87(a) |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 20705 | 1.00000 | 0.88(a) |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 13300 | 1.00000 | 0.94(a) |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 14753 | 1.00000 | 0.91(a) |
| | 98 4-Chlorotoluene | 91 | 9.454 | 9.446 | (0.947) | 15864 | 1.00000 | 0.96(a) |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 5058 | 1.00000 | 0.82(a) |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 11557 | 1.00000 | 0.85(a) |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 15485 | 1.00000 | 0.93(a) |
| | 102 2-Octanone | 43 | 9.833 | 9.833 | (0.985) | 5072 | 1.00000 | 0.77(a) |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 16394 | 1.00000 | 0.83(a) |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 1254 | 1.00000 | 0.47(a) |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 10352 | 1.00000 | 1.0 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 14473 | 1.00000 | 0.86(a) |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 376948 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 10705 | 1.00000 | 1.0 |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 8429 | 1.00000 | 0.84(a) |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 12362 | 1.00000 | 0.80(a) |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.029) | 9611 | 1.00000 | 0.99(a) |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 921 | 1.00000 | 0.91(a) |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 2722 | 5.00000 | 5.9 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.380 | 11.371 | (1.140) | 5927 | 1.00000 | 1.00 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 1800 | 1.00000 | 0.79(a) |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 14345 | 1.00000 | 0.98(a) |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 5167 | 1.00000 | 1.0 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 9219 | 2.00000 | 1.8 |
| M | 121 Xylene (Total) | 100 | | | | 22217 | 3.00000 | 2.7(a) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25722.d
Report Date: 21-Sep-2009 13:26

QC Flag Legend

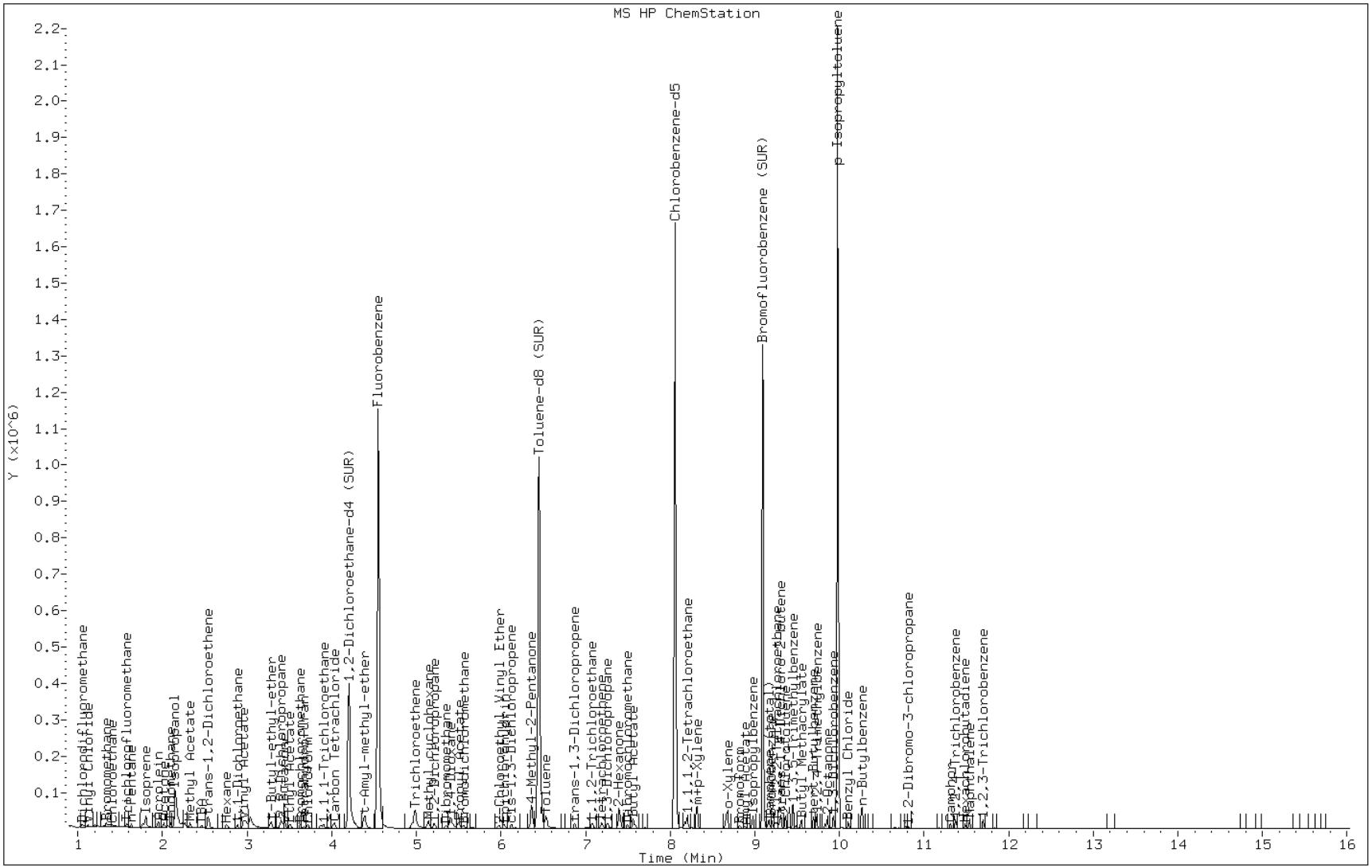
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: b25722.d

Date: 19-SEP-2009 07:48

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM8LCAL1 Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25724.d
Report Date: 21-Sep-2009 13:29

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25724.d
Lab Smp Id: IC-VM8LCAL2
Inj Date : 19-SEP-2009 08:41
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM8LCAL2
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 08:41 Cal File: b25724.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 20202 | 5.00000 | 4.9 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 29971 | 5.00000 | 5.0 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 29603 | 5.00000 | 5.3 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 15171 | 5.00000 | 5.3 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 17681 | 5.00000 | 5.6 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 37059 | 5.00000 | 5.3 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 4323 | 5.00000 | 4.9(a) |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 37053 | 5.00000 | 5.6 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 23244 | 5.00000 | 5.4 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 4367 | 20.0000 | 23 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 17229 | 5.00000 | 4.7 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 24600 | 5.00000 | 5.3 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 7913 | 15.0000 | 16 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 36718 | 5.00000 | 5.1 |
| 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 81842 | 5.00000 | 5.4 |
| 19 Isopropanol | 45 | 2.154 | 2.154 | (0.474) | 367441 | 2000.00 | 1800 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25724.d
Report Date: 21-Sep-2009 13:29

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 13714 | 100.000 | 120 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 10553 | 5.00000 | 5.5 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 25158 | 5.00000 | 5.1 |
| | 24 TBA | 59 | 2.459 | 2.467 | (0.540) | 48289 | 100.000 | 100 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 22895 | 5.00000 | 4.7 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 21793 | 10.0000 | 9.6 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 81855 | 5.00000 | 5.5 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 17777 | 5.00000 | 5.6 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 40134 | 5.00000 | 4.8 |
| | 31 Vinyl Acetate | 43 | 2.952 | 2.952 | (0.649) | 64506 | 5.00000 | 5.5 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 80754 | 5.00000 | 5.4 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 84103 | 5.00000 | 5.5 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.389 | (0.747) | 29054 | 5.00000 | 4.8 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 26678 | 5.00000 | 4.8 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 10509 | 15.0000 | 15 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 6861 | 10.0000 | 11 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 13667 | 5.00000 | 4.7 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 10599 | 5.00000 | 6.5 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 41366 | 5.00000 | 4.8 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 30941 | 5.00000 | 4.7 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 42041 | 5.00000 | 5.2 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 24485 | 5.00000 | 4.0 |
| | 46 1,1-Dichloropropene | 75 | 4.030 | 4.031 | (0.886) | 29214 | 5.00000 | 4.6 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 241898 | 50.0000 | 49 |
| | 48 Benzene | 78 | 4.244 | 4.245 | (0.527) | 100386 | 5.00000 | 5.0 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 32814 | 5.00000 | 4.9 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 80828 | 5.00000 | 5.4 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 136801 | 10.0000 | 11 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1013440 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 23738 | 5.00000 | 4.7 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 79506 | 1000.00 | 920 |
| | 56 Methyl cyclohexane | 83 | 5.141 | 5.142 | (1.130) | 42670 | 5.00000 | 5.2 |
| | 55 Ethyl Acrylate | 55 | 5.141 | 5.142 | (1.130) | 73136 | 5.00000 | 5.4 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.147) | 24314 | 5.00000 | 4.8 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 17283 | 5.00000 | 4.9 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 8751 | 5.00000 | 5.4 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 90509 | 10.0000 | 11 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 31646 | 5.00000 | 4.7 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 21973 | 5.00000 | 5.5 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.039 | (0.750) | 57506 | 100.000 | 100 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 37177 | 5.00000 | 4.6 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.359 | 6.360 | (0.790) | 80358 | 15.0000 | 15 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 742247 | 50.0000 | 49 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 105036 | 5.00000 | 4.9 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 35158 | 5.00000 | 4.6 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 20182 | 5.00000 | 4.9 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 24833 | 5.00000 | 4.6 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25724.d
Report Date: 21-Sep-2009 13:29

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | ( ug/L) | ( ug/L) |
| | 72 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 40390 | 5.00000 | 4.8 |
| | 73 2-Hexanone | 43 | 7.396 | 7.397 | (0.918) | 58004 | 15.0000 | 14 |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 24260 | 5.00000 | 4.5 |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 17160 | 10.0000 | 10 |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 25891 | 5.00000 | 4.7 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 794716 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.079 | 8.080 | (1.003) | 65648 | 5.00000 | 4.8 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 20414 | 5.00000 | 4.4 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 32079 | 5.00000 | 4.6 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 79392 | 10.0000 | 9.3 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 38336 | 5.00000 | 4.6 |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.078) | 67375 | 5.00000 | 4.6 |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 21864 | 5.00000 | 5.1 |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 16471 | 5.00000 | 3.7 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 15299 | 5.00000 | 5.4 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 91846 | 5.00000 | 4.7 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.912) | 293714 | 50.0000 | 49 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 39484 | 5.00000 | 5.3 |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 28757 | 5.00000 | 4.8 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 30930 | 5.00000 | 4.7 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 9415 | 5.00000 | 4.7 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 10431 | 5.00000 | 5.3 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 120128 | 5.00000 | 4.9 |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 69344 | 5.00000 | 4.7 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 76641 | 5.00000 | 4.6 |
| | 98 4-Chlorotoluene | 91 | 9.446 | 9.446 | (0.946) | 81190 | 5.00000 | 4.7 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 32479 | 5.00000 | 5.1 |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 65691 | 5.00000 | 4.7 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 80325 | 5.00000 | 4.7 |
| | 102 2-Octanone | 43 | 9.832 | 9.833 | (0.985) | 34449 | 5.00000 | 5.1 |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 98982 | 5.00000 | 4.8 |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 8177 | 5.00000 | 3.0(a) |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 49246 | 5.00000 | 4.6 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 80846 | 5.00000 | 4.6 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 388921 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 52397 | 5.00000 | 4.8 |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 51613 | 5.00000 | 5.0 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 75847 | 5.00000 | 4.7 |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.029) | 46891 | 5.00000 | 4.7 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 4444 | 5.00000 | 4.2 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 13009 | 25.0000 | 27 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 28081 | 5.00000 | 4.6 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 10787 | 5.00000 | 4.6 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 67117 | 5.00000 | 4.5 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 23146 | 5.00000 | 4.6 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 49573 | 10.0000 | 9.6 |
| M | 121 Xylene (Total) | 100 | | | | 117728 | 15.0000 | 14 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25724.d
Report Date: 21-Sep-2009 13:29

QC Flag Legend

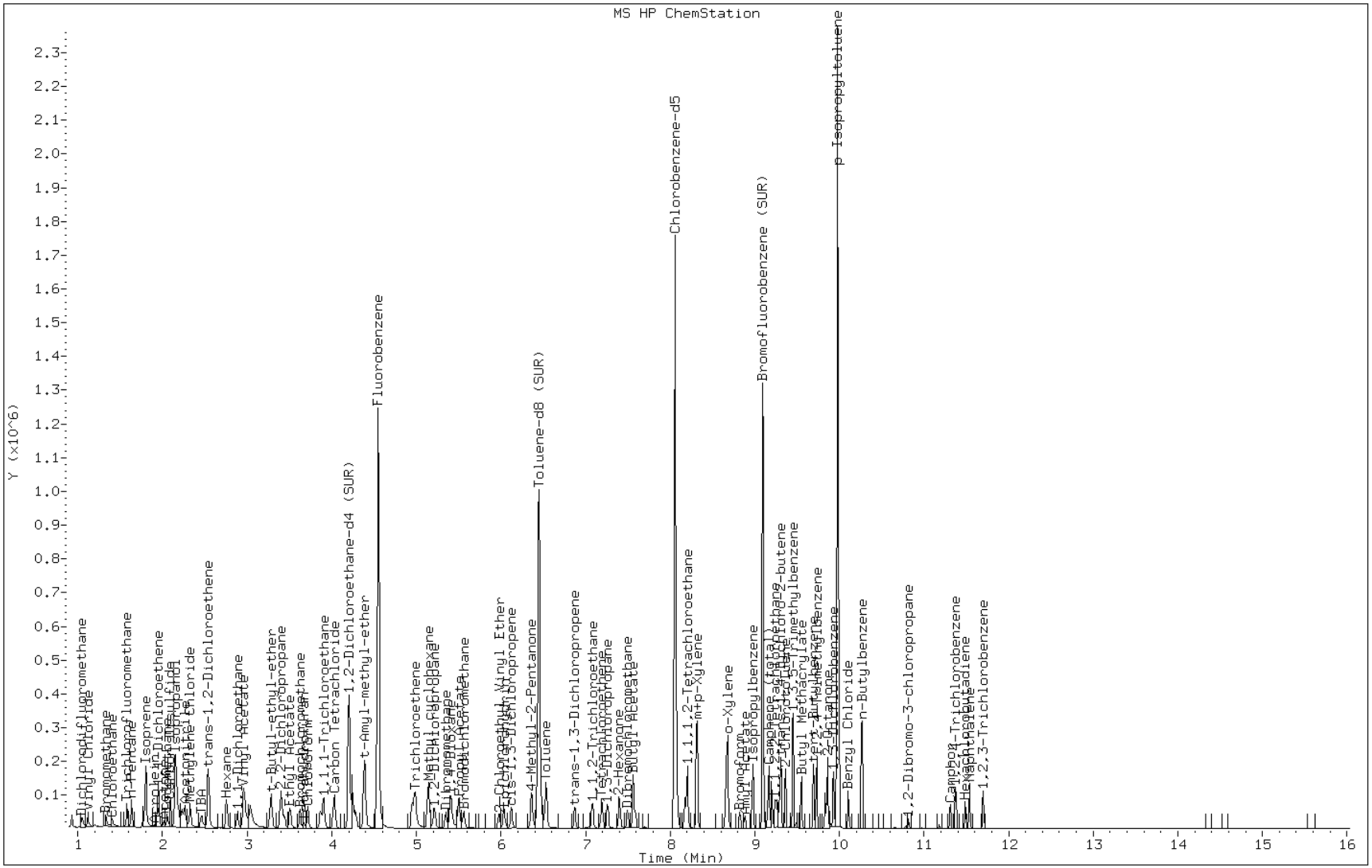
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: b25724.d

Date: 19-SEP-2009 08:41

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM8LCAL2 Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25725.d
Report Date: 21-Sep-2009 13:38

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25725.d
Lab Smp Id: ICIS-VM8LCAL3
Inj Date : 19-SEP-2009 09:08
Operator : Inst ID: VOAMS2.i
Smp Info : ICIS-VM8LCAL3
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 09:08 Cal File: b25725.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 76442 | 20.0000 | 18 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 108905 | 20.0000 | 18 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 118895 | 20.0000 | 21 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 52566 | 20.0000 | 18 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 67108 | 20.0000 | 21 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 148288 | 20.0000 | 21 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 17029 | 20.0000 | 19 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 133358 | 20.0000 | 20 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 88470 | 20.0000 | 21 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 8525 | 40.0000 | 44 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 77511 | 20.0000 | 21 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 88197 | 20.0000 | 19 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 11730 | 20.0000 | 23 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 135909 | 20.0000 | 19 |
| 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 301379 | 20.0000 | 20 |
| 19 Isopropanol | 45 | 2.154 | 2.154 | (0.474) | 640600 | 3000.00 | 3200 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25725.d
Report Date: 21-Sep-2009 13:38

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 51719 | 400.000 | 440 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 40077 | 20.0000 | 21 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 107907 | 20.0000 | 22 |
| | 24 TBA | 59 | 2.467 | 2.467 | (0.542) | 194688 | 400.000 | 420 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 101321 | 20.0000 | 21 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 48675 | 20.0000 | 21 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 314154 | 20.0000 | 21 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 64159 | 20.0000 | 20 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 180984 | 20.0000 | 22 |
| | 31 Vinyl Acetate | 43 | 2.952 | 2.952 | (0.649) | 238596 | 20.0000 | 20 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 306285 | 20.0000 | 21 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 319169 | 20.0000 | 21 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 129232 | 20.0000 | 21 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 119125 | 20.0000 | 21 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 15857 | 20.0000 | 23 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 27881 | 40.0000 | 44 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 62799 | 20.0000 | 22 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 37662 | 20.0000 | 23 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 186190 | 20.0000 | 22 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 143117 | 20.0000 | 22 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 154457 | 20.0000 | 19 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 116721 | 20.0000 | 19 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 135650 | 20.0000 | 21 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 251006 | 50.0000 | 51 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 419898 | 20.0000 | 20 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 145608 | 20.0000 | 22 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 312564 | 20.0000 | 21 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 526880 | 40.0000 | 42 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1017492 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 108246 | 20.0000 | 21 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 141075 | 1500.00 | 1500 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 159715 | 20.0000 | 19 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 280828 | 20.0000 | 21 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.147) | 109586 | 20.0000 | 22 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 78614 | 20.0000 | 22 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 34636 | 20.0000 | 21 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 357920 | 40.0000 | 43 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 146678 | 20.0000 | 22 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 82235 | 20.0000 | 20 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.039 | (0.750) | 239947 | 400.000 | 430 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 176167 | 20.0000 | 22 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 127269 | 20.0000 | 23 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 779911 | 50.0000 | 51 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 456150 | 20.0000 | 21 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 165409 | 20.0000 | 22 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 91313 | 20.0000 | 22 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 116315 | 20.0000 | 22 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25725.d
Report Date: 21-Sep-2009 13:38

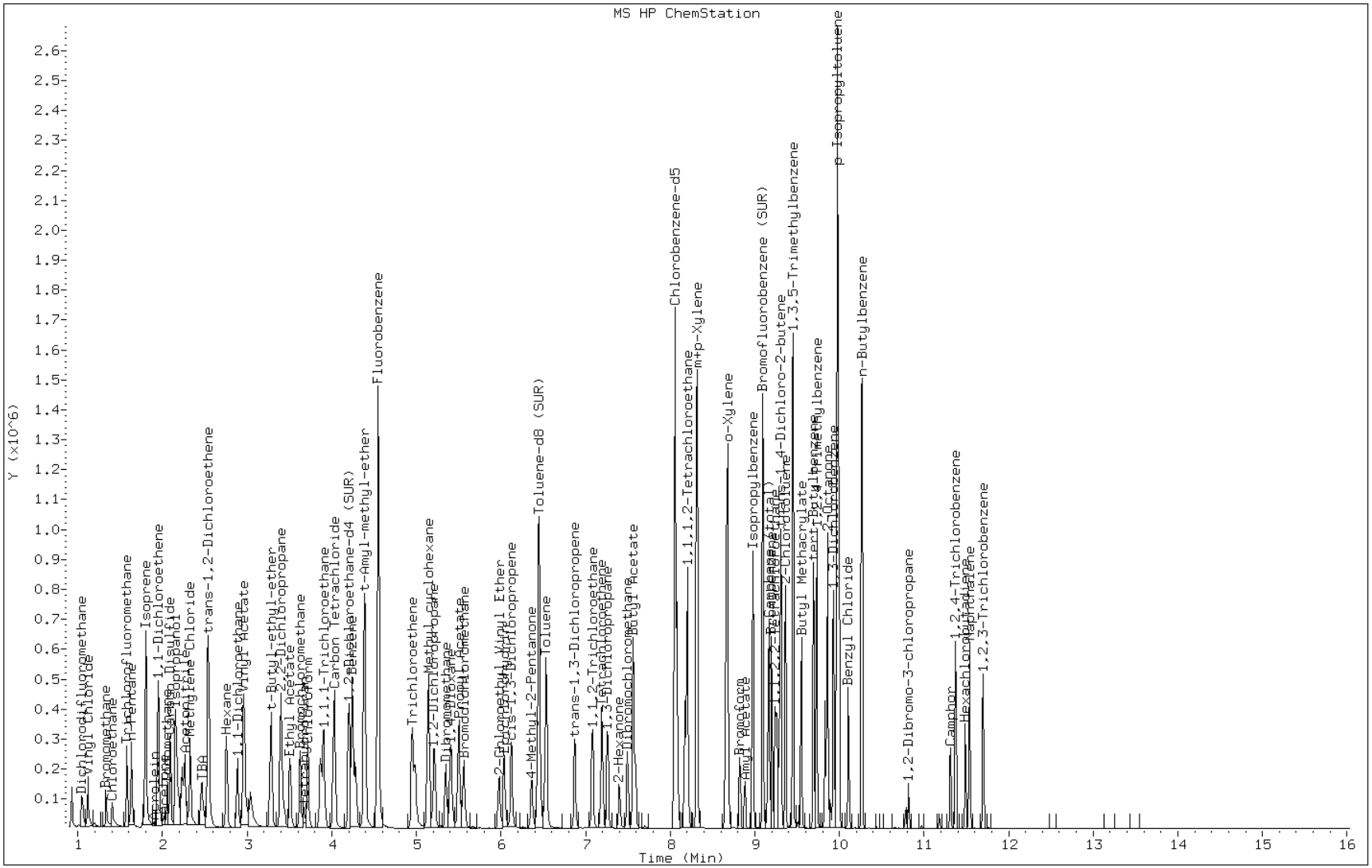
| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | ( ug/L) | ( ug/L) |
| | 72 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 184934 | 20.0000 | 22 |
| | 73 2-Hexanone | 43 | 7.397 | 7.397 | (0.918) | 90187 | 20.0000 | 22 |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 117358 | 20.0000 | 22 |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 70703 | 40.0000 | 42 |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 120282 | 20.0000 | 22 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 800265 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 294458 | 20.0000 | 22 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 100650 | 20.0000 | 22 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 152308 | 20.0000 | 22 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 378194 | 40.0000 | 44 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 180014 | 20.0000 | 22 |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.078) | 326517 | 20.0000 | 22 |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 89662 | 20.0000 | 21 |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 81766 | 20.0000 | 18 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 61701 | 20.0000 | 21 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 439077 | 20.0000 | 22 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 312007 | 50.0000 | 50 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 150414 | 20.0000 | 20 |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 133105 | 20.0000 | 22 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 147862 | 20.0000 | 22 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 45118 | 20.0000 | 22 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 43441 | 20.0000 | 21 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 566565 | 20.0000 | 22 |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 326927 | 20.0000 | 22 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 375257 | 20.0000 | 22 |
| | 98 4-Chlorotoluene | 91 | 9.446 | 9.446 | (0.946) | 384285 | 20.0000 | 22 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 135461 | 20.0000 | 21 |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 314005 | 20.0000 | 22 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 385085 | 20.0000 | 22 |
| | 102 2-Octanone | 43 | 9.833 | 9.833 | (0.985) | 144590 | 20.0000 | 21 |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 469624 | 20.0000 | 22 |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 39129 | 20.0000 | 14 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 235058 | 20.0000 | 22 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 395322 | 20.0000 | 22 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 399772 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 242912 | 20.0000 | 22 |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 225209 | 20.0000 | 21 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 363679 | 20.0000 | 22 |
| | 111 1,2-Dichlorobenzene | 146 | 10.260 | 10.260 | (1.028) | 221509 | 20.0000 | 21 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 23271 | 20.0000 | 22 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 49036 | 100.000 | 100 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 134340 | 20.0000 | 21 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 47508 | 20.0000 | 20 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 338642 | 20.0000 | 22 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 109187 | 20.0000 | 21 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 220446 | 40.0000 | 42 |
| M | 121 Xylene (Total) | 100 | | | | 558208 | 60.0000 | 65 |

Data File: b25725.d

Date: 19-SEP-2009 09:08

Client ID: Instrument: VOAMS2.i

Sample Info: ICIS-VM8LCAL3 Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25726.d
Report Date: 21-Sep-2009 13:44

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25726.d
Lab Smp Id: IC-VM8LCAL4
Inj Date : 19-SEP-2009 09:34
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM8LCAL4
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 09:34 Cal File: b25726.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 206321 | 50.0000 | 48 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 285534 | 50.0000 | 46 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 304909 | 50.0000 | 52 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 151579 | 50.0000 | 51 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 172021 | 50.0000 | 52 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 377678 | 50.0000 | 52 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 44717 | 50.0000 | 49 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 352691 | 50.0000 | 51 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 211262 | 50.0000 | 48 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 20538 | 100.000 | 100 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 198023 | 50.0000 | 52 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 234873 | 50.0000 | 49 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 25691 | 50.0000 | 49 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 354178 | 50.0000 | 48 |
| 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 793610 | 50.0000 | 50 |
| 19 Isopropanol | 45 | 2.154 | 2.154 | (0.474) | 819598 | 4000.00 | 3900 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25726.d
Report Date: 21-Sep-2009 13:44

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 112454 | 1000.00 | 930 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 96886 | 50.0000 | 49 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 260597 | 50.0000 | 52 |
| | 24 TBA | 59 | 2.459 | 2.467 | (0.540) | 461324 | 1000.00 | 980 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 257619 | 50.0000 | 52 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 122116 | 50.0000 | 52 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 763376 | 50.0000 | 49 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 168442 | 50.0000 | 52 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 443565 | 50.0000 | 51 |
| | 31 Vinyl Acetate | 43 | 2.952 | 2.952 | (0.649) | 578716 | 50.0000 | 48 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 747284 | 50.0000 | 49 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 776600 | 50.0000 | 49 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 321513 | 50.0000 | 52 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 289702 | 50.0000 | 51 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 36079 | 50.0000 | 50 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 67018 | 100.000 | 100 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 151028 | 50.0000 | 51 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 86441 | 50.0000 | 52 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 455875 | 50.0000 | 51 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 364097 | 50.0000 | 53 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 415686 | 50.0000 | 50 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 302332 | 50.0000 | 48 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 348747 | 50.0000 | 53 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 252176 | 50.0000 | 50 |
| | 48 Benzene | 78 | 4.244 | 4.245 | (0.527) | 1021918 | 50.0000 | 48 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 347341 | 50.0000 | 50 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 760349 | 50.0000 | 49 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 1269282 | 100.000 | 98 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1048482 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 271533 | 50.0000 | 52 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 198059 | 2000.00 | 2000 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 425752 | 50.0000 | 50 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 710746 | 50.0000 | 51 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.147) | 269631 | 50.0000 | 51 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 188072 | 50.0000 | 51 |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.405 | (1.190) | 86668 | 50.0000 | 51 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 864664 | 100.000 | 100 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 361963 | 50.0000 | 52 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 203897 | 50.0000 | 49 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.039 | (0.750) | 576743 | 1000.00 | 1000 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 432145 | 50.0000 | 52 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 289366 | 50.0000 | 51 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 782384 | 50.0000 | 50 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 1114623 | 50.0000 | 50 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 406875 | 50.0000 | 52 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 217774 | 50.0000 | 51 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 292666 | 50.0000 | 53 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25726.d
Report Date: 21-Sep-2009 13:44

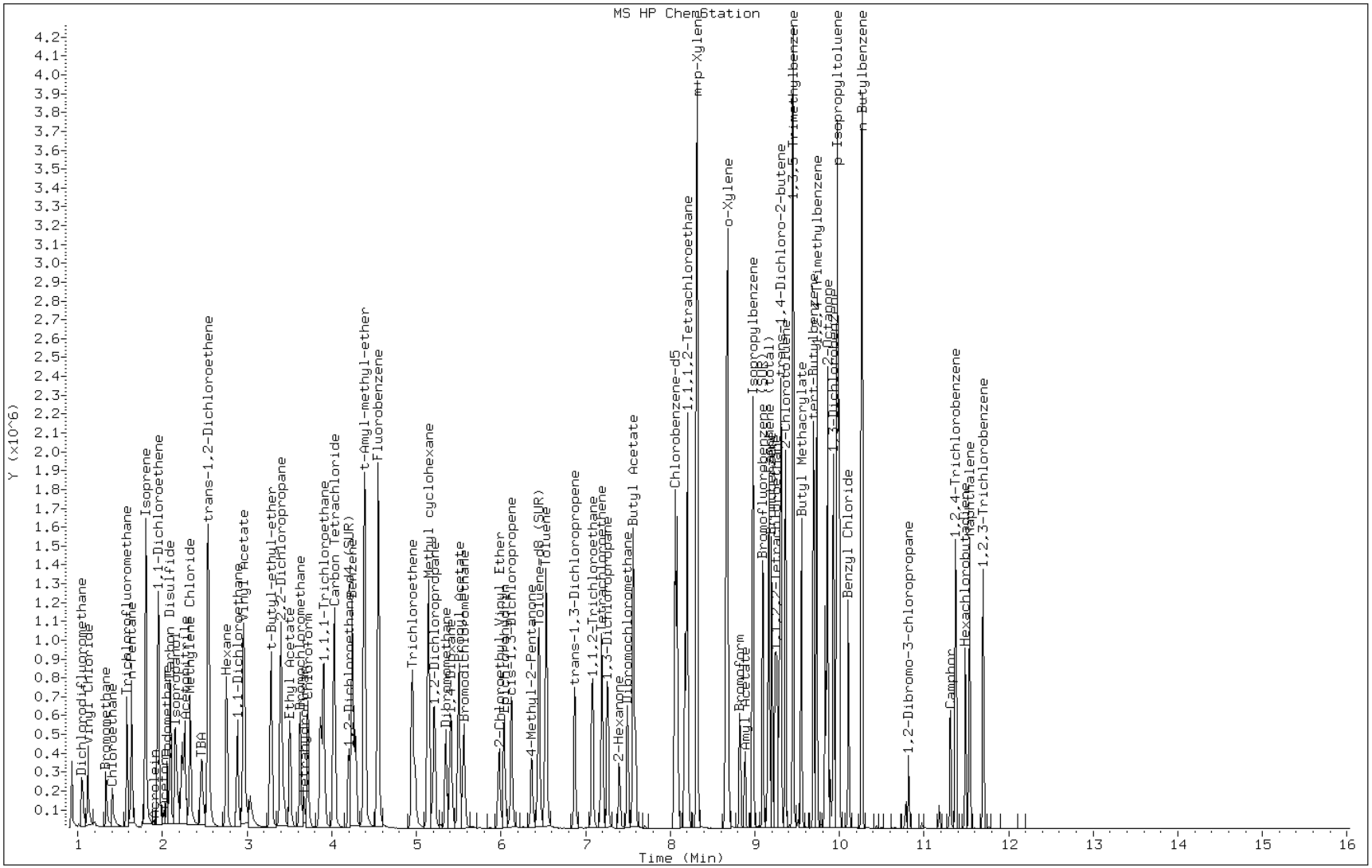
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 72 | 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 443556 | 50.0000 | 51 |
| 73 | 2-Hexanone | 43 | 7.396 | 7.397 | (0.918) | 209962 | 50.0000 | 51 |
| 74 | Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 293735 | 50.0000 | 52 |
| 76 | Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 175508 | 100.000 | 100 |
| 77 | 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 290014 | 50.0000 | 51 |
| * 78 | Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 826145 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 715612 | 50.0000 | 51 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 245925 | 50.0000 | 51 |
| 81 | Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 377600 | 50.0000 | 52 |
| 82 | m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 940554 | 100.000 | 100 |
| 84 | o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 448326 | 50.0000 | 52 |
| 85 | Styrene | 104 | 8.680 | 8.680 | (1.078) | 801336 | 50.0000 | 52 |
| 83 | Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 225005 | 50.0000 | 50 |
| 86 | Bromoform | 173 | 8.820 | 8.820 | (1.095) | 206841 | 50.0000 | 45 |
| 87 | Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 152230 | 50.0000 | 50 |
| 88 | Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 1097703 | 50.0000 | 54 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.912) | 320843 | 50.0000 | 50 |
| 90 | Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 403240 | 50.0000 | 52 |
| 91 | Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 322861 | 50.0000 | 51 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 355973 | 50.0000 | 51 |
| 93 | 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 108791 | 50.0000 | 52 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 107120 | 50.0000 | 51 |
| 95 | n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 1393954 | 50.0000 | 54 |
| 96 | 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 798605 | 50.0000 | 52 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 938203 | 50.0000 | 53 |
| 98 | 4-Chlorotoluene | 91 | 9.454 | 9.446 | (0.947) | 944774 | 50.0000 | 52 |
| 99 | Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 341779 | 50.0000 | 51 |
| 100 | tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 779469 | 50.0000 | 52 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 952282 | 50.0000 | 52 |
| 102 | 2-Octanone | 43 | 9.832 | 9.833 | (0.985) | 381882 | 50.0000 | 53 |
| 103 | sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 1169242 | 50.0000 | 54 |
| 104 | 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 122528 | 50.0000 | 42 |
| 105 | 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 571521 | 50.0000 | 51 |
| 107 | p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 993894 | 50.0000 | 54 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 411486 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 583082 | 50.0000 | 50 |
| 110 | Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 575758 | 50.0000 | 52 |
| 106 | n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 922327 | 50.0000 | 54 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.029) | 541775 | 50.0000 | 51 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 58287 | 50.0000 | 53 |
| 113 | Camphor | 95 | 11.314 | 11.314 | (1.134) | 118225 | 250.000 | 230 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 348008 | 50.0000 | 54 |
| 115 | Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 132214 | 50.0000 | 53 |
| 116 | Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 877529 | 50.0000 | 55 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 292079 | 50.0000 | 55 |
| M 120 | 1,2-Dichloroethene (Total) | 100 | | | | 547321 | 100.000 | 100 |
| M 121 | Xylene (Total) | 100 | | | | 1388880 | 150.000 | 160 |

Data File: b25726.d

Date: 19-SEP-2009 09:34

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM8LCAL4 Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25727.d
Report Date: 21-Sep-2009 13:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25727.d
Lab Smp Id: IC-VM8LCAL5
Inj Date : 19-SEP-2009 10:01
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM8LCAL5
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 10:01 Cal File: b25727.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 878085 | 200.000 | 210(A) |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 1238409 | 200.000 | 200 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 1214429 | 200.000 | 210 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 568366 | 200.000 | 190 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 633918 | 200.000 | 190 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 1524218 | 200.000 | 210 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 182133 | 200.000 | 200 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 1448056 | 200.000 | 210 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 831388 | 200.000 | 190 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 37804 | 200.000 | 190 |
| 15 1,1-Dichloroethene | 96 | 1.949 | 1.948 | (0.428) | 796880 | 200.000 | 210 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 949461 | 200.000 | 200 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 96669 | 200.000 | 180 |
| 17 Iodomethane | 142 | 2.056 | 2.055 | (0.452) | 1417534 | 200.000 | 190 |
| 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 3258215 | 200.000 | 210 |
| 19 Isopropanol | 45 | 2.154 | 2.154 | (0.474) | 1167378 | 5000.00 | 5600 |

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Report Date: 21-Sep-2009 13:48

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 421400 | 4000.00 | 3500 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 375578 | 200.000 | 190 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 995644 | 200.000 | 200 |
| | 24 TBA | 59 | 2.467 | 2.467 | (0.542) | 1898636 | 4000.00 | 4000 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 1026728 | 200.000 | 210 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 229914 | 100.000 | 99 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 3000427 | 200.000 | 200 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 679545 | 200.000 | 210 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 1776012 | 200.000 | 210 |
| | 31 Vinyl Acetate | 43 | 2.953 | 2.952 | (0.649) | 2265135 | 200.000 | 190 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 2995087 | 200.000 | 200 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 3073852 | 200.000 | 190 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.389 | (0.747) | 1283323 | 200.000 | 210 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 1162176 | 200.000 | 200 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 136162 | 200.000 | 190 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 259255 | 400.000 | 400 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 606445 | 200.000 | 200 |
| | 41 Tetrahydrofuran | 42 | 3.669 | 3.668 | (0.806) | 330062 | 200.000 | 200 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 1807123 | 200.000 | 200 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 1468641 | 200.000 | 220 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 1686339 | 200.000 | 200 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 1252665 | 200.000 | 200 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 1392084 | 200.000 | 210 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.204 | 4.203 | (0.924) | 243628 | 50.0000 | 48 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 4016321 | 200.000 | 190 |
| | 49 1,2-Dichloroethane | 62 | 4.286 | 4.277 | (0.942) | 1363608 | 200.000 | 200 |
| | 50 t-Amyl-methyl-ether | 73 | 4.393 | 4.384 | (0.966) | 3034122 | 200.000 | 200 |
| | 61 Isopropyl Acetate | 43 | 4.393 | 4.384 | (0.966) | 4854795 | 400.000 | 380 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1041774 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 1088921 | 200.000 | 210 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 283529 | 2500.00 | 2600 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 1720478 | 200.000 | 200 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 2779461 | 200.000 | 200 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.147) | 1063184 | 200.000 | 200 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 745676 | 200.000 | 200 |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.405 | (1.190) | 335987 | 200.000 | 200 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 3245261 | 400.000 | 380 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.222) | 1461973 | 200.000 | 210 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 805357 | 200.000 | 200 |
| | 63 Epichlorohydrin | 57 | 6.047 | 6.039 | (0.751) | 2255021 | 4000.00 | 3900 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.129 | 6.121 | (0.761) | 1745326 | 200.000 | 210 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.368 | 6.360 | (0.791) | 1138342 | 200.000 | 200 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 770249 | 50.0000 | 48 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 4365052 | 200.000 | 190 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.878 | 6.870 | (0.854) | 1661427 | 200.000 | 210 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 867502 | 200.000 | 200 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 1190102 | 200.000 | 210 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25727.d
Report Date: 21-Sep-2009 13:48

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 72 1,3-Dichloropropane | 76 | 7.265 | 7.257 | (0.902) | 1749329 | 200.000 | 200 |
| | 73 2-Hexanone | 43 | 7.405 | 7.397 | (0.919) | 832564 | 200.000 | 200 |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 1221234 | 200.000 | 210 |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 702331 | 400.000 | 400 |
| | 77 1,2-Dibromoethane | 107 | 7.594 | 7.586 | (0.943) | 1163169 | 200.000 | 200 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 839195 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.088 | 8.080 | (1.004) | 2885019 | 200.000 | 200 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 1038688 | 200.000 | 210 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 1540137 | 200.000 | 210 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 3777367 | 400.000 | 420 |
| | 84 o-Xylene | 106 | 8.664 | 8.656 | (1.076) | 1820334 | 200.000 | 210 |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.078) | 3268606 | 200.000 | 210 |
| | 83 Butyl Acrylate | 73 | 8.689 | 8.680 | (1.079) | 943833 | 200.000 | 210 |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 902061 | 200.000 | 190 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 630930 | 200.000 | 200 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 4422991 | 200.000 | 210 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.912) | 321161 | 50.0000 | 48 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 1680580 | 200.000 | 210 |
| | 91 Bromobenzene | 156 | 9.207 | 9.199 | (0.922) | 1330930 | 200.000 | 200 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.248 | 9.240 | (0.927) | 1450822 | 200.000 | 200 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 436664 | 200.000 | 200 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 431019 | 200.000 | 200 |
| | 95 n-Propylbenzene | 91 | 9.314 | 9.306 | (0.933) | 5693980 | 200.000 | 210 |
| | 96 2-Chlorotoluene | 91 | 9.364 | 9.363 | (0.938) | 3310288 | 200.000 | 200 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 3880021 | 200.000 | 210 |
| | 98 4-Chlorotoluene | 91 | 9.454 | 9.446 | (0.947) | 3898689 | 200.000 | 210 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 1446163 | 200.000 | 210 |
| | 100 tert-Butylbenzene | 119 | 9.701 | 9.693 | (0.972) | 3286933 | 200.000 | 210 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 3899622 | 200.000 | 210 |
| | 102 2-Octanone | 43 | 9.833 | 9.833 | (0.985) | 1611088 | 200.000 | 220 |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 4863255 | 200.000 | 220 |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 634584 | 200.000 | 200 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 2334833 | 200.000 | 200 |
| | 107 p-Isopropyltoluene | 119 | 9.973 | 9.972 | (0.999) | 4127036 | 200.000 | 220 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 428504 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 2403738 | 200.000 | 200 |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 2430638 | 200.000 | 210 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 3843842 | 200.000 | 220 |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.029) | 2264160 | 200.000 | 200 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 243318 | 200.000 | 210 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 491122 | 1000.00 | 930 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.380 | 11.371 | (1.140) | 1345994 | 200.000 | 200 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 593662 | 200.000 | 230 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 3402033 | 200.000 | 200 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 1118050 | 200.000 | 200 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 2188904 | 400.000 | 410 |
| M | 121 Xylene (Total) | 100 | | | | 5597701 | 600.000 | 630 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25727.d
Report Date: 21-Sep-2009 13:48

QC Flag Legend

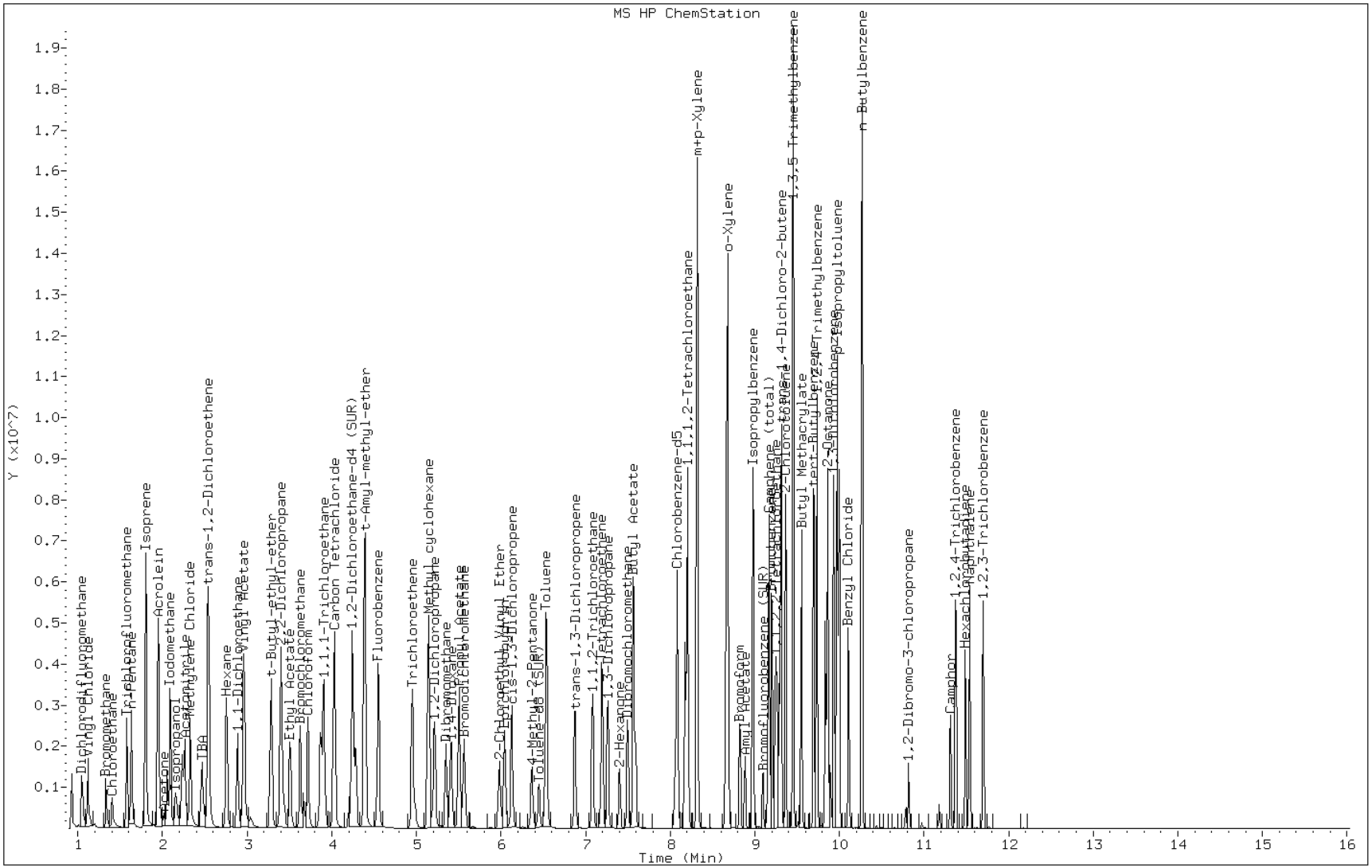
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: b25727.d

Date: 19-SEP-2009 10:01

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM8LCAL5 Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25728.d
Report Date: 21-Sep-2009 13:53

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25728.d
Lab Smp Id: IC-VM8LCAL6
Inj Date : 19-SEP-2009 10:27
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM8LCAL6
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 2162147 | 500.000 | 500(A) |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 3437630 | 500.000 | 540(A) |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.245) | 3044057 | 500.000 | 510(A) |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.292) | 1403409 | 500.000 | 460 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.308) | 1607678 | 500.000 | 480 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.346) | 3614208 | 500.000 | 490 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.359) | 460365 | 500.000 | 500 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.395) | 3591972 | 500.000 | 510(A) |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.395) | 2081708 | 500.000 | 460 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 80860 | 400.000 | 400 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 2031845 | 500.000 | 530(A) |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.429) | 2434643 | 500.000 | 500(A) |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.442) | 238841 | 500.000 | 440 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.451) | 3484875 | 500.000 | 460 |
| 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.460) | 8021043 | 500.000 | 500 |
| 19 Isopropanol | 45 | 2.154 | 2.154 | (0.473) | 1311133 | 6000.00 | 6200(A) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25728.d
Report Date: 21-Sep-2009 13:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.237 | 2.228 | (0.491) | 1029226 | 10000.0 | 8400 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.496) | 952029 | 500.000 | 470 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.511) | 2406159 | 500.000 | 470 |
| | 24 TBA | 59 | 2.467 | 2.467 | (0.541) | 4690667 | 10000.0 | 9700 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.556) | 2648139 | 500.000 | 520(A) |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.558) | 525582 | 200.000 | 220 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.559) | 7503178 | 500.000 | 480 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.605) | 1682846 | 500.000 | 500(A) |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.633) | 4481583 | 500.000 | 510(A) |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.952 | (0.650) | 5736063 | 500.000 | 460 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.650) | 7344765 | 500.000 | 470 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.290 | 3.282 | (0.722) | 7639978 | 500.000 | 470 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.389 | (0.745) | 3190993 | 500.000 | 500(A) |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.747) | 2964997 | 500.000 | 510(A) |
| | 38 2-Butanone | 72 | 3.446 | 3.438 | (0.756) | 376475 | 500.000 | 510(A) |
| | 39 Ethyl Acetate | 70 | 3.512 | 3.504 | (0.771) | 670152 | 1000.00 | 1000 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.796) | 1564095 | 500.000 | 510(A) |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.805) | 854447 | 500.000 | 500(A) |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.816) | 4551130 | 500.000 | 500(A) |
| | 43 1,1,1-Trichloroethane | 97 | 3.874 | 3.866 | (0.850) | 3717670 | 500.000 | 530(A) |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.857) | 4252054 | 500.000 | 500 |
| | 45 Carbon Tetrachloride | 117 | 4.031 | 4.022 | (0.884) | 3236793 | 500.000 | 500(A) |
| | 46 1,1-Dichloropropene | 75 | 4.039 | 4.031 | (0.886) | 3582766 | 500.000 | 540(A) |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.922) | 259477 | 50.0000 | 50 |
| | 48 Benzene | 78 | 4.253 | 4.245 | (0.527) | 10021947 | 500.000 | 460 |
| | 49 1,2-Dichloroethane | 62 | 4.286 | 4.277 | (0.940) | 3420969 | 500.000 | 490 |
| | 50 t-Amyl-methyl-ether | 73 | 4.393 | 4.384 | (0.964) | 7668325 | 500.000 | 480 |
| | 61 Isopropyl Acetate | 43 | 4.393 | 4.384 | (0.964) | 11759780 | 1000.00 | 890 |
| * | 52 Fluorobenzene | 96 | 4.557 | 4.549 | (1.000) | 1068801 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.087) | 2778727 | 500.000 | 520(A) |
| | 53 n-Butanol | 56 | 4.993 | 4.985 | (1.096) | 343128 | 3000.00 | 2900 |
| | 56 Methyl cyclohexane | 83 | 5.150 | 5.142 | (1.130) | 4327054 | 500.000 | 500 |
| | 55 Ethyl Acrylate | 55 | 5.150 | 5.142 | (1.130) | 6970931 | 500.000 | 490 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.144) | 2719491 | 500.000 | 510(A) |
| | 58 Dibromomethane | 93 | 5.356 | 5.347 | (1.175) | 1914067 | 500.000 | 510(A) |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.405 | (1.188) | 867783 | 500.000 | 500(A) |
| | 75 Propyl Acetate | 43 | 5.512 | 5.504 | (1.209) | 8087551 | 1000.00 | 920 |
| | 68 Bromodichloromethane | 83 | 5.570 | 5.561 | (1.222) | 3740556 | 500.000 | 520(A) |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.989 | 5.981 | (1.314) | 2054807 | 500.000 | 490 |
| | 63 Epichlorohydrin | 57 | 6.055 | 6.039 | (0.751) | 5757366 | 10000.0 | 9700 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.137 | 6.121 | (0.761) | 4481655 | 500.000 | 520(A) |
| | 70 4-Methyl-2-Pentanone | 43 | 6.368 | 6.360 | (0.790) | 2901530 | 500.000 | 490 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.800) | 814125 | 50.0000 | 50 |
| | 66 Toluene | 91 | 6.541 | 6.532 | (0.811) | 10792305 | 500.000 | 470 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.878 | 6.870 | (0.853) | 4296398 | 500.000 | 520(A) |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 2230606 | 500.000 | 500(A) |
| | 71 Tetrachloroethene | 166 | 7.199 | 7.191 | (0.893) | 3040622 | 500.000 | 530(A) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25728.d
Report Date: 21-Sep-2009 13:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 72 | 1,3-Dichloropropane | 76 | 7.265 | 7.257 | (0.901) | 4483411 | 500.000 | 500 |
| 73 | 2-Hexanone | 43 | 7.405 | 7.397 | (0.918) | 2144946 | 500.000 | 500(A) |
| 74 | Dibromochloromethane | 129 | 7.504 | 7.495 | (0.931) | 3174619 | 500.000 | 540(A) |
| 76 | Butyl Acetate | 73 | 7.569 | 7.561 | (0.939) | 1821322 | 1000.00 | 1000(A) |
| 77 | 1,2-Dibromoethane | 107 | 7.594 | 7.586 | (0.942) | 2970276 | 500.000 | 500(A) |
| * 78 | Chlorobenzene-d5 | 117 | 8.063 | 8.055 | (1.000) | 856526 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.088 | 8.080 | (1.003) | 7212376 | 500.000 | 490 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.014) | 2733835 | 500.000 | 550(A) |
| 81 | Ethylbenzene | 106 | 8.211 | 8.203 | (1.018) | 3951814 | 500.000 | 520(A) |
| 82 | m+p-Xylene | 106 | 8.326 | 8.318 | (1.033) | 9027023 | 1000.00 | 980 |
| 84 | o-Xylene | 106 | 8.664 | 8.656 | (1.075) | 4631838 | 500.000 | 520(A) |
| 85 | Styrene | 104 | 8.689 | 8.680 | (1.078) | 7814426 | 500.000 | 490 |
| 83 | Butyl Acrylate | 73 | 8.689 | 8.680 | (1.078) | 2417083 | 500.000 | 520(A) |
| 86 | Bromoform | 173 | 8.828 | 8.820 | (1.095) | 2413568 | 500.000 | 500(A) |
| 87 | Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 1610851 | 500.000 | 500 |
| 88 | Isopropylbenzene | 105 | 8.985 | 8.977 | (1.114) | 10376092 | 500.000 | 490 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.911) | 345092 | 50.0000 | 50 |
| 90 | Camphene (total) | 93 | 9.174 | 9.166 | (1.138) | 4300894 | 500.000 | 540(A) |
| 91 | Bromobenzene | 156 | 9.207 | 9.199 | (0.922) | 3394179 | 500.000 | 500 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.248 | 9.240 | (0.926) | 3796224 | 500.000 | 510(A) |
| 93 | 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.927) | 1148908 | 500.000 | 500(A) |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.298 | 9.289 | (0.931) | 1103178 | 500.000 | 490 |
| 95 | n-Propylbenzene | 91 | 9.314 | 9.306 | (0.932) | 12132666 | 500.000 | 440 |
| 96 | 2-Chlorotoluene | 91 | 9.372 | 9.363 | (0.938) | 8156842 | 500.000 | 490 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.462 | 9.454 | (0.947) | 9015003 | 500.000 | 470 |
| 98 | 4-Chlorotoluene | 91 | 9.454 | 9.446 | (0.946) | 9068193 | 500.000 | 460 |
| 99 | Butyl Methacrylate | 87 | 9.561 | 9.553 | (0.957) | 3756223 | 500.000 | 520(A) |
| 100 | tert-Butylbenzene | 119 | 9.701 | 9.693 | (0.971) | 8258012 | 500.000 | 510(A) |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.742 | 9.734 | (0.975) | 9369606 | 500.000 | 480 |
| 102 | 2-Octanone | 43 | 9.841 | 9.833 | (0.985) | 4059075 | 500.000 | 520(A) |
| 103 | sec-Butylbenzene | 105 | 9.865 | 9.857 | (0.988) | 10785597 | 500.000 | 460 |
| 104 | 2-Octanol | 45 | 9.898 | 9.890 | (0.991) | 1699365 | 500.000 | 500 |
| 105 | 1,3-Dichlorobenzene | 146 | 9.940 | 9.931 | (0.995) | 5886211 | 500.000 | 490 |
| 107 | p-Isopropyltoluene | 119 | 9.981 | 9.972 | (0.999) | 9470061 | 500.000 | 480 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.989 | 9.981 | (1.000) | 443604 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 10.005 | 9.997 | (1.002) | 5983583 | 500.000 | 480 |
| 110 | Benzyl Chloride | 91 | 10.112 | 10.104 | (1.012) | 6025437 | 500.000 | 510(A) |
| 106 | n-Butylbenzene | 91 | 10.269 | 10.269 | (1.028) | 8947810 | 500.000 | 490 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.028) | 5523015 | 500.000 | 480 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.083) | 625086 | 500.000 | 520(A) |
| 113 | Camphor | 95 | 11.314 | 11.314 | (1.133) | 1194177 | 2500.00 | 2200 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.380 | 11.371 | (1.139) | 3286344 | 500.000 | 470 |
| 115 | Hexachlorobutadiene | 225 | 11.495 | 11.487 | (1.151) | 1482511 | 500.000 | 550(A) |
| 116 | Naphthalene | 128 | 11.544 | 11.536 | (1.156) | 7643893 | 500.000 | 450 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.171) | 2537077 | 500.000 | 440 |
| M 120 | 1,2-Dichloroethene (Total) | 100 | | | | 5613136 | 1000.00 | 1000(A) |
| M 121 | Xylene (Total) | 100 | | | | 13658861 | 1500.00 | 1500 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25728.d
Report Date: 21-Sep-2009 13:53

QC Flag Legend

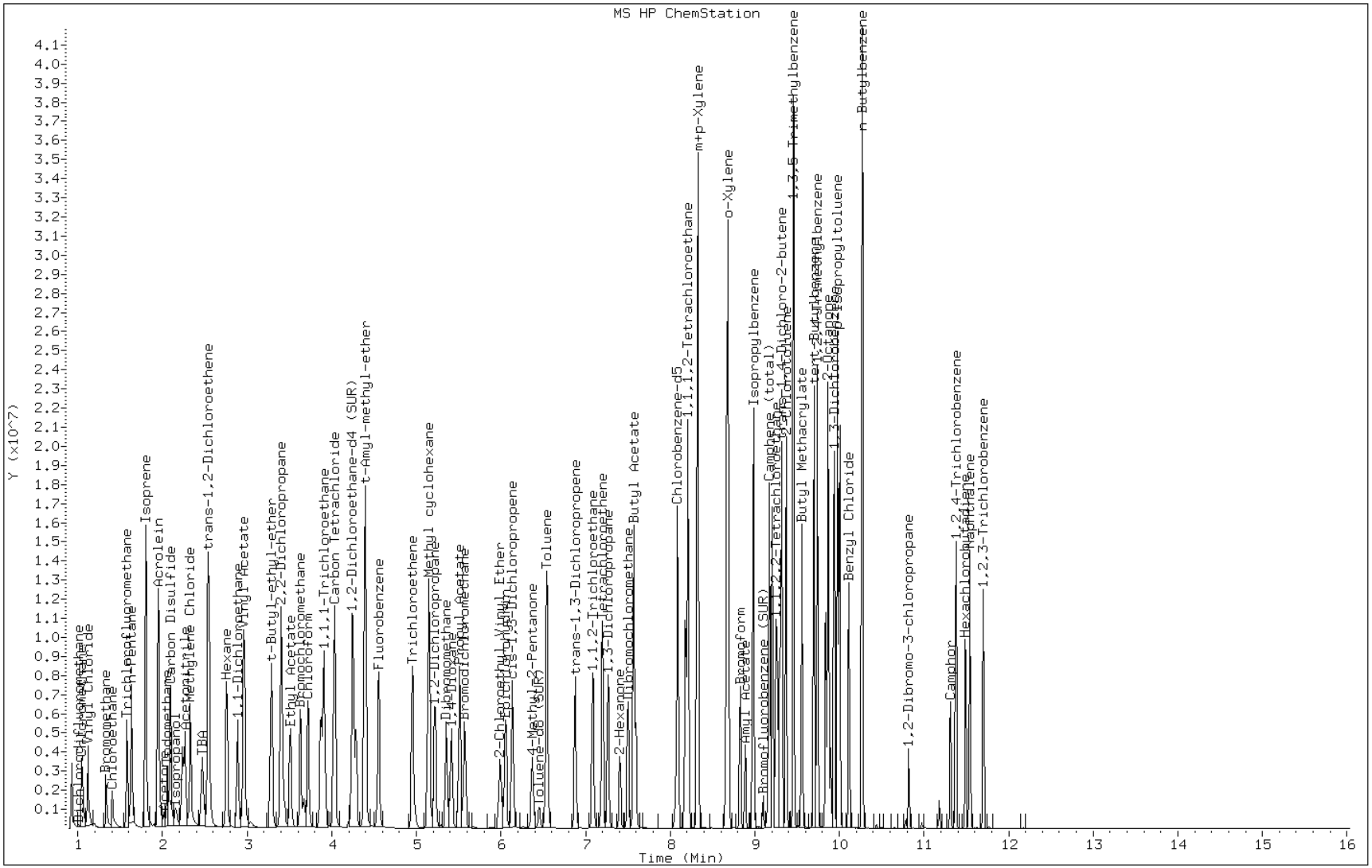
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: b25728.d

Date: 19-SEP-2009 10:27

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM8LCAL6 Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17535/2 Calibration Date: 09/21/2009 17:34

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25787.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| n-Heptane | Ave | | 0.0000 | | 5.00 | 20.0 | | 50.0 |
| Dichlorodifluoromethane | LinF | 0.1854 | 0.1548 | | 15.2 | 20.0 | -23.9 | 50.0 |
| Chloromethane | Ave | 0.2979 | 0.2532 | 0.1000 | 17.0 | 20.0 | -15.0 | 50.0 |
| Vinyl chloride | Ave | 0.2773 | 0.2542 | | 18.3 | 20.0 | -8.4 | 20.0 |
| Bromomethane | Ave | 0.1416 | 0.1280 | | 18.1 | 20.0 | -9.6 | 50.0 |
| Chloroethane | Ave | 0.1566 | 0.1542 | | 19.7 | 20.0 | -1.6 | 50.0 |
| Trichlorofluoromethane | LinF | 0.3356 | 0.2970 | | 17.3 | 20.0 | -13.3 | 50.0 |
| Pentane | LinF | 0.0398 | 0.0375 | | 17.4 | 20.0 | -13.2 | 50.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.3280 | 0.3006 | | 18.3 | 20.0 | -8.4 | 50.0 |
| Ethyl ether | Ave | 0.2101 | 0.1898 | | 18.1 | 20.0 | -9.6 | 50.0 |
| Acrolein | LinF | 0.0107 | 0.0090 | | 38.1 | 40.0 | -4.8 | 99.0 |
| 1,1-Dichloroethene | Ave | 0.1796 | 0.1548 | | 17.2 | 20.0 | -13.8 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | LinF | 0.2143 | 0.1936 | | 17.0 | 20.0 | -15.0 | 50.0 |
| Acetone | Ave | 0.0252 | 0.0222 | | 17.6 | 20.0 | -12.0 | 50.0 |
| Iodomethane | Ave | 0.3536 | 0.2743 | | 15.5 | 20.0 | -22.4 | 50.0 |
| Carbon disulfide | Ave | 0.7517 | 0.6805 | | 18.1 | 20.0 | -9.5 | 50.0 |
| Isopropyl alcohol | Ave | 0.0099 | 0.0094 | | 2840 | 3000 | -5.3 | 50.0 |
| Acetonitrile | Ave | 0.0057 | 0.0053 | | 366 | 400 | -8.4 | 50.0 |
| Methyl acetate | Ave | 0.0943 | 0.0850 | | 18.0 | 20.0 | -9.9 | 50.0 |
| Methylene Chloride | Ave | 0.2411 | 0.2211 | | 18.3 | 20.0 | -8.3 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0226 | 0.0184 | | 325 | 400 | -18.6 | 50.0 |
| Acrylonitrile | Ave | 0.1115 | 0.0997 | | 17.9 | 20.0 | -10.5 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2381 | 0.2116 | | 17.8 | 20.0 | -11.1 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7383 | 0.6502 | | 17.6 | 20.0 | -11.9 | 50.0 |
| Hexane | Ave | 0.1560 | 0.1441 | | 18.5 | 20.0 | -7.6 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.4129 | 0.3746 | 0.1000 | 18.1 | 20.0 | -9.3 | 50.0 |
| Vinyl acetate | Ave | 0.5760 | 0.4993 | | 17.3 | 20.0 | -13.3 | 50.0 |
| Isopropyl ether | Ave | 0.7300 | 0.6726 | | 18.4 | 20.0 | -7.9 | 50.0 |
| Tert-butyl ethyl ether | Ave | 0.7599 | 0.6837 | 0.0100 | 18.0 | 20.0 | -10.0 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.2969 | 0.2737 | | 18.4 | 20.0 | -7.8 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2730 | 0.2446 | | 17.9 | 20.0 | -10.4 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.0344 | 0.0285 | | 16.6 | 20.0 | -17.1 | 50.0 |
| Ethyl acetate | Ave | 0.0315 | 0.0285 | | 36.2 | 40.0 | -9.5 | 50.0 |
| Chlorobromomethane | Ave | 0.1423 | 0.1259 | | 17.7 | 20.0 | -11.5 | 50.0 |
| Tetrahydrofuran | LinF | 0.0974 | 0.0791 | | 19.8 | 20.0 | -1.0 | 50.0 |
| Chloroform | Ave | 0.4227 | 0.3801 | | 18.0 | 20.0 | -10.1 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.3258 | 0.2890 | | 17.7 | 20.0 | -11.3 | 50.0 |
| Cyclohexane | LinF | 0.3753 | 0.3502 | | 17.6 | 20.0 | -12.2 | 50.0 |
| Carbon tetrachloride | LinF | 0.2688 | 0.2351 | | 15.6 | 20.0 | -22.2 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.3117 | 0.2767 | | 17.8 | 20.0 | -11.2 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17535/2 Calibration Date: 09/21/2009 17:34

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25787.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Benzene | Ave | 1.276 | 1.166 | | 18.3 | 20.0 | -8.6 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.3281 | 0.2951 | | 18.0 | 20.0 | -10.1 | 50.0 |
| Isopropyl acetate | Ave | 0.6162 | 0.5461 | | 35.5 | 40.0 | -11.4 | 50.0 |
| Tert-amyl methyl ether | Ave | 0.7390 | 0.6549 | | 17.7 | 20.0 | -11.4 | 50.0 |
| Trichloroethene | Ave | 0.2494 | 0.2249 | | 18.0 | 20.0 | -9.8 | 50.0 |
| n-Butanol | QuaF | 0.0046 | 0.0040 | | 1360 | 1500 | -9.0 | 50.0 |
| Ethyl acrylate | Ave | 0.6624 | 0.5987 | | 18.1 | 20.0 | -9.6 | 50.0 |
| Methylcyclohexane | LinF | 0.3835 | 0.3496 | | 17.2 | 20.0 | -13.9 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2501 | 0.2280 | | 18.2 | 20.0 | -8.9 | 20.0 |
| Dibromomethane | Ave | 0.1751 | 0.1584 | | 18.1 | 20.0 | -9.5 | 50.0 |
| Methyl methacrylate | Ave | 0.0807 | 0.0705 | | 17.5 | 20.0 | -12.7 | 50.0 |
| n-Propyl acetate | Ave | 0.4122 | 0.3698 | | 35.9 | 40.0 | -10.3 | 50.0 |
| Dichlorobromomethane | Ave | 0.3342 | 0.3002 | | 18.0 | 20.0 | -10.2 | 50.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1968 | 0.1700 | | 17.3 | 20.0 | -13.6 | 50.0 |
| Epichlorohydrin | Ave | 0.0346 | 0.0326 | | 377 | 400 | -5.7 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.5041 | 0.4801 | | 19.0 | 20.0 | -4.8 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.3450 | 0.3189 | | 18.5 | 20.0 | -7.6 | 50.0 |
| Toluene | Ave | 1.347 | 1.260 | | 18.7 | 20.0 | -6.4 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.4774 | 0.4433 | | 18.6 | 20.0 | -7.2 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2601 | 0.2476 | | 19.0 | 20.0 | -4.8 | 50.0 |
| Tetrachloroethene | Ave | 0.3358 | 0.3120 | | 18.6 | 20.0 | -7.1 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5250 | 0.5000 | | 19.0 | 20.0 | -4.8 | 50.0 |
| 2-Hexanone | Ave | 0.2500 | 0.2225 | | 17.8 | 20.0 | -11.0 | 50.0 |
| Chlorodibromomethane | Ave | 0.3402 | 0.3095 | | 18.2 | 20.0 | -9.0 | 50.0 |
| n-Butyl acetate | Ave | 0.1042 | 0.0957 | | 36.7 | 40.0 | -8.2 | 50.0 |
| Ethylene Dibromide | Ave | 0.3432 | 0.3168 | | 18.5 | 20.0 | -7.7 | 50.0 |
| Chlorobenzene | Ave | 0.8531 | 0.8046 | 0.3000 | 18.9 | 20.0 | -5.7 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2910 | 0.2685 | | 18.5 | 20.0 | -7.7 | 50.0 |
| Ethylbenzene | Ave | 0.4404 | 0.4127 | | 18.7 | 20.0 | -6.3 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.5379 | 0.5152 | | 38.3 | 40.0 | -4.2 | 50.0 |
| o-Xylene | Ave | 0.5222 | 0.4821 | | 18.5 | 20.0 | -7.7 | 50.0 |
| n-Butyl acrylate | Ave | 0.2696 | 0.2482 | | 18.4 | 20.0 | -7.9 | 50.0 |
| Styrene | Ave | 0.9266 | 0.8799 | | 19.0 | 20.0 | -5.0 | 50.0 |
| Bromoform | LinF | 0.2412 | 0.1983 | 0.1000 | 14.2 | 20.0 | -29.1 | 50.0 |
| Amyl acetate (mixed isomers) | Ave | 0.3664 | 0.3448 | | 18.8 | 20.0 | -5.9 | 50.0 |
| Isopropylbenzene | Ave | 1.236 | 1.184 | | 19.2 | 20.0 | -4.2 | 50.0 |
| Camphene | Ave | 0.4685 | 0.4417 | | 18.9 | 20.0 | -5.7 | 50.0 |
| Bromobenzene | Ave | 0.7728 | 0.7432 | | 19.2 | 20.0 | -3.8 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.8455 | 0.8189 | 0.3000 | 19.4 | 20.0 | -3.1 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.2565 | 0.2439 | | 19.0 | 20.0 | -4.9 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.2535 | 0.2511 | | 19.8 | 20.0 | -0.9 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17535/2 Calibration Date: 09/21/2009 17:34

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25787.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| N-Propylbenzene | Ave | 3.137 | 3.247 | | 20.7 | 20.0 | 3.5 | 50.0 |
| 2-Chlorotoluene | Ave | 1.884 | 1.855 | | 19.7 | 20.0 | -1.5 | 50.0 |
| 4-Chlorotoluene | Ave | 2.202 | 2.174 | | 19.7 | 20.0 | -1.3 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.142 | 2.128 | | 19.9 | 20.0 | -0.7 | 50.0 |
| Butyl Methacrylate | Ave | 0.8124 | 0.7568 | | 18.6 | 20.0 | -6.8 | 50.0 |
| tert-Butylbenzene | Ave | 1.810 | 1.756 | | 19.4 | 20.0 | -3.0 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.205 | 2.159 | | 19.6 | 20.0 | -2.1 | 50.0 |
| 2-Octanone | Ave | 0.8743 | 0.8687 | | 19.9 | 20.0 | -0.6 | 50.0 |
| sec-Butylbenzene | Ave | 2.628 | 2.663 | | 20.3 | 20.0 | 1.3 | 50.0 |
| 2-Octanol | QuaF | 0.2787 | 0.1556 | | 8.79 | 20.0 | -56.0* | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.365 | 1.295 | | 19.0 | 20.0 | -5.1 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.238 | 2.237 | | 20.0 | 20.0 | 0.0 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.409 | 1.352 | | 19.2 | 20.0 | -4.0 | 50.0 |
| Benzyl chloride | Ave | 1.338 | 1.299 | | 19.4 | 20.0 | -2.9 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.291 | 1.208 | | 18.7 | 20.0 | -6.5 | 50.0 |
| n-Butylbenzene | Ave | 2.061 | 2.110 | | 20.5 | 20.0 | 2.4 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1344 | 0.1107 | | 16.5 | 20.0 | -17.6 | 50.0 |
| Camphor | Ave | 0.0615 | 0.0446 | | 72.5 | 100 | -27.5 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.7867 | 0.6936 | | 17.6 | 20.0 | -11.8 | 50.0 |
| Hexachlorobutadiene | Ave | 0.3025 | 0.2504 | | 16.6 | 20.0 | -17.2 | 50.0 |
| Naphthalene | Ave | 1.931 | 1.622 | | 16.8 | 20.0 | -16.0 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.6496 | 0.5484 | | 16.9 | 20.0 | -15.6 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2416 | 0.2094 | | 43.3 | 50.0 | -13.3 | 50.0 |
| Toluene-d8 (Surr) | Ave | 0.9462 | 0.8612 | | 45.5 | 50.0 | -9.0 | 50.0 |
| 4-Bromofluorobenzene | Ave | 0.7729 | 0.6955 | | 45.0 | 50.0 | -10.0 | 50.0 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25787.d
Report Date: 21-Sep-2009 18:17

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25787.d
Lab Smp Id: CCVIS
Inj Date : 21-SEP-2009 17:34
Operator : Inst ID: VOAMS2.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 65785 | 20.0000 | 15 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 107657 | 20.0000 | 17 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 108046 | 20.0000 | 18 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 54432 | 20.0000 | 18 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 65543 | 20.0000 | 20 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 126279 | 20.0000 | 17 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 15921 | 20.0000 | 17 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 127773 | 20.0000 | 18 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 80682 | 20.0000 | 18 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 7621 | 40.0000 | 38 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 65796 | 20.0000 | 17 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 82303 | 20.0000 | 17 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 9417 | 20.0000 | 18 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 116593 | 20.0000 | 16 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25787.d
Report Date: 21-Sep-2009 18:17

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 289276 | 20.0000 | 18 |
| | 19 Isopropanol | 45 | 2.146 | 2.146 | (0.472) | 598016 | 3000.00 | 2800 |
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 44704 | 400.000 | 370 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 36112 | 20.0000 | 18 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 93987 | 20.0000 | 18 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 155978 | 400.000 | 320 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 89958 | 20.0000 | 18 |
| | 26 Acrylonitrile | 53 | 2.533 | 2.533 | (0.557) | 42390 | 20.0000 | 18 |
| | 28 MTBE | 73 | 2.541 | 2.541 | (0.559) | 276402 | 20.0000 | 18 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 61259 | 20.0000 | 18 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 159260 | 20.0000 | 18 |
| | 31 Vinyl Acetate | 43 | 2.952 | 2.952 | (0.649) | 212246 | 20.0000 | 17 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 285927 | 20.0000 | 18 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 290666 | 20.0000 | 18 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 116344 | 20.0000 | 18 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 103974 | 20.0000 | 18 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 12116 | 20.0000 | 16 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 24230 | 40.0000 | 36 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 53508 | 20.0000 | 18 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 33615 | 20.0000 | 20 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 161572 | 20.0000 | 18 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 122840 | 20.0000 | 18 |
| | 44 Cyclohexane | 56 | 3.899 | 3.899 | (0.857) | 148884 | 20.0000 | 18 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 99955 | 20.0000 | 16 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 117623 | 20.0000 | 18 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 222573 | 50.0000 | 43 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 370331 | 20.0000 | 18 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 125449 | 20.0000 | 18 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 278402 | 20.0000 | 18 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 464347 | 40.0000 | 35 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1062796 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 95617 | 20.0000 | 18 |
| | 53 n-Butanol | 56 | 4.977 | 4.977 | (1.094) | 128558 | 1500.00 | 1400 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 148607 | 20.0000 | 17 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 254516 | 20.0000 | 18 |
| | 57 1,2-Dichloropropane | 63 | 5.207 | 5.207 | (1.145) | 96913 | 20.0000 | 18 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 67352 | 20.0000 | 18 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 29954 | 20.0000 | 17 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 314372 | 40.0000 | 36 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 127614 | 20.0000 | 18 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.973 | 5.973 | (1.313) | 72265 | 20.0000 | 17 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.039 | (0.750) | 206989 | 400.000 | 380 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 152418 | 20.0000 | 19 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 101250 | 20.0000 | 18 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 683632 | 50.0000 | 46 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 400100 | 20.0000 | 19 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 140729 | 20.0000 | 18 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25787.d
Report Date: 21-Sep-2009 18:17

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 69 | 1,1,2-Trichloroethane | 83 | 7.076 | 7.076 | (0.878) | 78602 | 20.0000 | 19 |
| 71 | Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 99050 | 20.0000 | 18 |
| 72 | 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 158740 | 20.0000 | 19 |
| 73 | 2-Hexanone | 43 | 7.396 | 7.396 | (0.918) | 70645 | 20.0000 | 18 |
| 74 | Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 98252 | 20.0000 | 18 |
| 76 | Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 60782 | 40.0000 | 37 |
| 77 | 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 100582 | 20.0000 | 18 |
| * 78 | Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 793718 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 255452 | 20.0000 | 19 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 85243 | 20.0000 | 18 |
| 81 | Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 131030 | 20.0000 | 19 |
| 82 | m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 327161 | 40.0000 | 38 |
| 84 | o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 153068 | 20.0000 | 18 |
| 85 | Styrene | 104 | 8.680 | 8.680 | (1.078) | 279367 | 20.0000 | 19 |
| 83 | Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 78802 | 20.0000 | 18 |
| 86 | Bromoform | 173 | 8.820 | 8.820 | (1.095) | 62955 | 20.0000 | 14 |
| 87 | Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 52306 | 20.0000 | 19 |
| 88 | Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 375916 | 20.0000 | 19 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 263824 | 50.0000 | 45 |
| 90 | Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 140241 | 20.0000 | 19 |
| 91 | Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 112753 | 20.0000 | 19 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 124232 | 20.0000 | 19 |
| 93 | 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 37003 | 20.0000 | 19 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 38102 | 20.0000 | 20 |
| 95 | n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 492674 | 20.0000 | 21 |
| 96 | 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 281470 | 20.0000 | 20 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 322804 | 20.0000 | 20 |
| 98 | 4-Chlorotoluene | 91 | 9.446 | 9.446 | (0.946) | 329784 | 20.0000 | 20 |
| 99 | Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 114812 | 20.0000 | 19 |
| 100 | tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 266480 | 20.0000 | 19 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 327509 | 20.0000 | 20 |
| 102 | 2-Octanone | 43 | 9.832 | 9.832 | (0.985) | 131797 | 20.0000 | 20 |
| 103 | sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 403982 | 20.0000 | 20 |
| 104 | 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 23613 | 20.0000 | 8.8 |
| 105 | 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 196483 | 20.0000 | 19 |
| 107 | p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 339426 | 20.0000 | 20 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 379286 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 205184 | 20.0000 | 19 |
| 110 | Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 197104 | 20.0000 | 19 |
| 106 | n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 320151 | 20.0000 | 20 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.260 | 10.260 | (1.028) | 183224 | 20.0000 | 19 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 16797 | 20.0000 | 16 |
| 113 | Camphor | 95 | 11.314 | 11.314 | (1.134) | 33818 | 100.000 | 72 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 105230 | 20.0000 | 18 |
| 115 | Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 37989 | 20.0000 | 16 |
| 116 | Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 246152 | 20.0000 | 17 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 83202 | 20.0000 | 17 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25787.d
Report Date: 21-Sep-2009 18:17

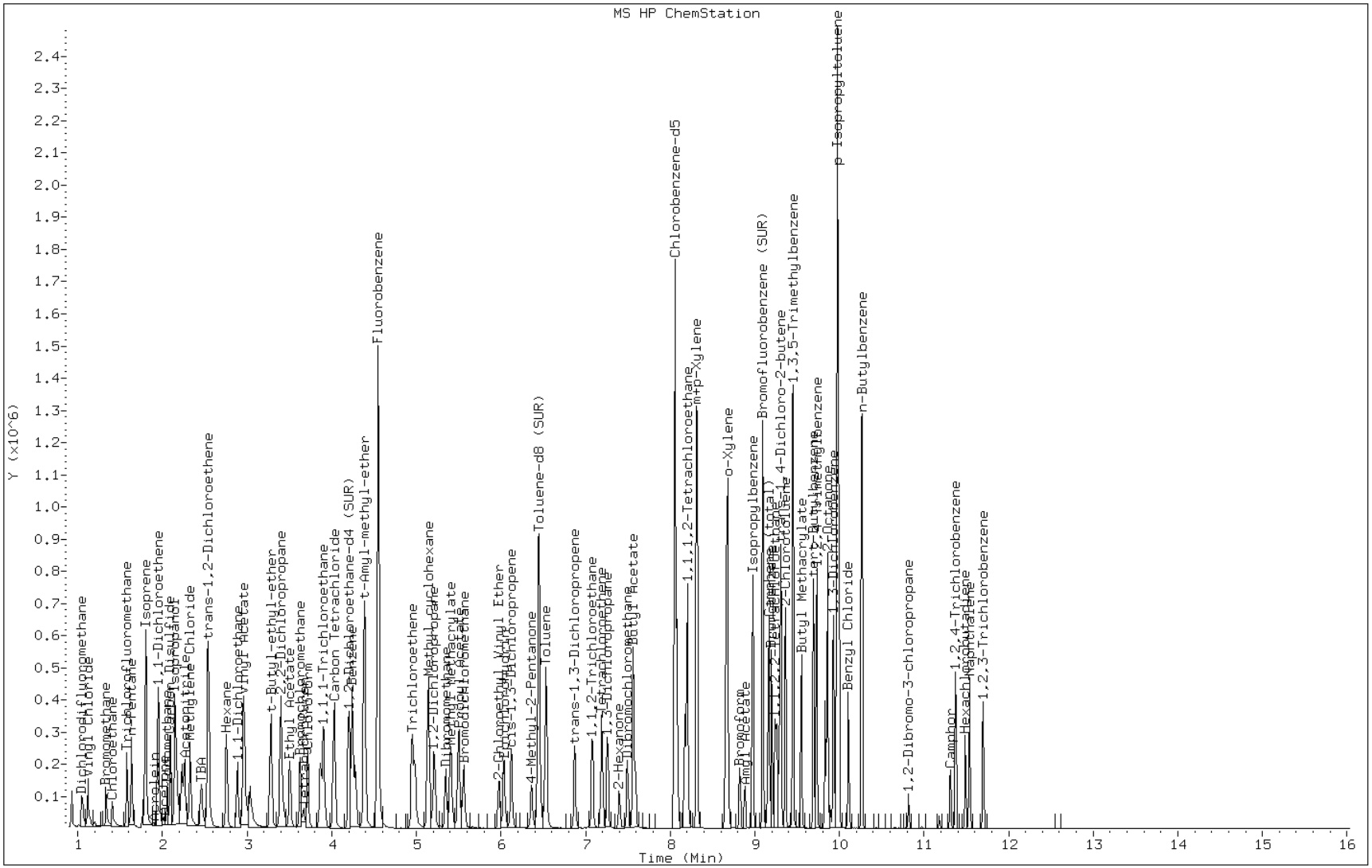
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 193932 | 40.0000 | 36 |
| M 121 Xylene (Total) | 100 | | | | 480229 | 60.0000 | 57 |

Data File: b25787.d

Date: 21-SEP-2009 17:34

Client ID: Instrument: VOAMS2.i

Sample Info: CCVIS Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17611/2 Calibration Date: 09/22/2009 09:08

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25818.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | LinF | 0.1854 | 0.1917 | | 18.8 | 20.0 | -5.8 | 50.0 |
| Chloromethane | Ave | 0.2979 | 0.2273 | 0.1000 | 15.3 | 20.0 | -23.7 | 50.0 |
| Vinyl chloride | Ave | 0.2773 | 0.2811 | | 20.3 | 20.0 | 1.3 | 20.0 |
| Bromomethane | Ave | 0.1416 | 0.1056 | | 14.9 | 20.0 | -25.4 | 50.0 |
| Chloroethane | Ave | 0.1566 | 0.1782 | | 22.7 | 20.0 | 13.7 | 50.0 |
| Trichlorofluoromethane | LinF | 0.3356 | 0.3716 | | 21.7 | 20.0 | 8.5 | 50.0 |
| Pentane | LinF | 0.0398 | 0.0474 | | 22.0 | 20.0 | 9.9 | 50.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.3280 | 0.3776 | | 23.0 | 20.0 | 15.1 | 50.0 |
| Ethyl ether | Ave | 0.2101 | 0.2277 | | 21.7 | 20.0 | 8.4 | 50.0 |
| Acrolein | LinF | 0.0107 | 0.0084 | | 35.7 | 40.0 | -10.8 | 99.0 |
| 1,1-Dichloroethene | Ave | 0.1796 | 0.1724 | | 19.2 | 20.0 | -4.0 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | LinF | 0.2143 | 0.2486 | | 21.8 | 20.0 | 9.2 | 50.0 |
| Acetone | Ave | 0.0252 | 0.0253 | | 20.1 | 20.0 | 0.4 | 50.0 |
| Iodomethane | Ave | 0.3536 | 0.3419 | | 19.3 | 20.0 | -3.3 | 50.0 |
| Carbon disulfide | Ave | 0.7517 | 0.8704 | | 23.2 | 20.0 | 15.8 | 50.0 |
| Isopropyl alcohol | Ave | 0.0099 | 0.0053 | | 1600 | 3000 | -46.5 | 50.0 |
| Acetonitrile | Ave | 0.0057 | 0.0051 | | 358 | 400 | -10.5 | 50.0 |
| Methyl acetate | Ave | 0.0943 | 0.0916 | | 19.4 | 20.0 | -2.8 | 50.0 |
| Methylene Chloride | Ave | 0.2411 | 0.2326 | | 19.3 | 20.0 | -3.5 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0226 | 0.0147 | | 261 | 400 | -34.7 | 50.0 |
| Acrylonitrile | Ave | 0.1115 | 0.0911 | | 16.4 | 20.0 | -18.2 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2381 | 0.2258 | | 19.0 | 20.0 | -5.1 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7383 | 0.7561 | | 20.5 | 20.0 | 2.4 | 50.0 |
| Hexane | Ave | 0.1560 | 0.1777 | | 22.8 | 20.0 | 13.9 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.4129 | 0.3949 | 0.1000 | 19.1 | 20.0 | -4.4 | 50.0 |
| Vinyl acetate | Ave | 0.5760 | 0.6064 | | 21.1 | 20.0 | 5.3 | 50.0 |
| Isopropyl ether | Ave | 0.7300 | 0.8299 | | 22.7 | 20.0 | 13.7 | 50.0 |
| Tert-butyl ethyl ether | Ave | 0.7599 | 0.8128 | 0.0100 | 21.4 | 20.0 | 7.0 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.2969 | 0.2936 | | 19.8 | 20.0 | -1.1 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2730 | 0.2534 | | 18.6 | 20.0 | -7.2 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.0344 | 0.0325 | | 18.9 | 20.0 | -5.6 | 50.0 |
| Ethyl acetate | Ave | 0.0315 | 0.0304 | | 38.6 | 40.0 | -3.4 | 50.0 |
| Chlorobromomethane | Ave | 0.1423 | 0.1296 | | 18.2 | 20.0 | -8.9 | 50.0 |
| Tetrahydrofuran | LinF | 0.0974 | 0.0826 | | 20.7 | 20.0 | 3.4 | 50.0 |
| Chloroform | Ave | 0.4227 | 0.4013 | | 19.0 | 20.0 | -5.1 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.3258 | 0.3076 | | 18.9 | 20.0 | -5.6 | 50.0 |
| Cyclohexane | LinF | 0.3753 | 0.4419 | | 22.2 | 20.0 | 10.8 | 50.0 |
| Carbon tetrachloride | LinF | 0.2688 | 0.2577 | | 17.0 | 20.0 | -14.8 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.3117 | 0.3001 | | 19.3 | 20.0 | -3.7 | 50.0 |
| Benzene | Ave | 1.276 | 1.226 | | 19.2 | 20.0 | -3.9 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17611/2 Calibration Date: 09/22/2009 09:08

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25818.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | Ave | 0.3281 | 0.3003 | | 18.3 | 20.0 | -8.5 | 50.0 |
| Isopropyl acetate | Ave | 0.6162 | 0.6233 | | 40.5 | 40.0 | 1.2 | 50.0 |
| Tert-amyl methyl ether | Ave | 0.7390 | 0.7727 | | 20.9 | 20.0 | 4.6 | 50.0 |
| Trichloroethene | Ave | 0.2494 | 0.2358 | | 18.9 | 20.0 | -5.5 | 50.0 |
| n-Butanol | QuaF | 0.0046 | 0.0024 | | 838 | 1500 | -44.1 | 50.0 |
| Ethyl acrylate | Ave | 0.6624 | 0.7001 | | 21.1 | 20.0 | 5.7 | 50.0 |
| Methylcyclohexane | LinF | 0.3835 | 0.4353 | | 21.4 | 20.0 | 7.2 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2501 | 0.2378 | | 19.0 | 20.0 | -4.9 | 20.0 |
| Dibromomethane | Ave | 0.1751 | 0.1584 | | 18.1 | 20.0 | -9.5 | 50.0 |
| Methyl methacrylate | Ave | 0.0807 | 0.0787 | | 19.5 | 20.0 | -2.4 | 50.0 |
| n-Propyl acetate | Ave | 0.4122 | 0.3991 | | 38.7 | 40.0 | -3.2 | 50.0 |
| Dichlorobromomethane | Ave | 0.3342 | 0.3086 | | 18.5 | 20.0 | -7.6 | 50.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1968 | 0.1941 | | 19.7 | 20.0 | -1.4 | 50.0 |
| Epichlorohydrin | Ave | 0.0346 | 0.0334 | | 386 | 400 | -3.4 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.5041 | 0.4989 | | 19.8 | 20.0 | -1.0 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.3450 | 0.3466 | | 20.1 | 20.0 | 0.5 | 50.0 |
| Toluene | Ave | 1.347 | 1.326 | | 19.7 | 20.0 | -1.5 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.4774 | 0.4492 | | 18.8 | 20.0 | -5.9 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2601 | 0.2508 | | 19.3 | 20.0 | -3.6 | 50.0 |
| Tetrachloroethene | Ave | 0.3358 | 0.3273 | | 19.5 | 20.0 | -2.5 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5250 | 0.5042 | | 19.2 | 20.0 | -4.0 | 50.0 |
| 2-Hexanone | Ave | 0.2500 | 0.2391 | | 19.1 | 20.0 | -4.4 | 50.0 |
| Chlorodibromomethane | Ave | 0.3402 | 0.3138 | | 18.5 | 20.0 | -7.7 | 50.0 |
| n-Butyl acetate | Ave | 0.1042 | 0.1060 | | 40.7 | 40.0 | 1.7 | 50.0 |
| Ethylene Dibromide | Ave | 0.3432 | 0.3149 | | 18.4 | 20.0 | -8.2 | 50.0 |
| Chlorobenzene | Ave | 0.8531 | 0.8368 | 0.3000 | 19.6 | 20.0 | -1.9 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2910 | 0.2829 | | 19.4 | 20.0 | -2.8 | 50.0 |
| Ethylbenzene | Ave | 0.4404 | 0.4312 | | 19.6 | 20.0 | -2.1 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.5379 | 0.5416 | | 40.3 | 40.0 | 0.7 | 50.0 |
| o-Xylene | Ave | 0.5222 | 0.5043 | | 19.3 | 20.0 | -3.4 | 50.0 |
| Styrene | Ave | 0.9266 | 0.9143 | | 19.7 | 20.0 | -1.3 | 50.0 |
| n-Butyl acrylate | Ave | 0.2696 | 0.2960 | | 22.0 | 20.0 | 9.8 | 50.0 |
| Bromoform | LinF | 0.2412 | 0.1992 | 0.1000 | 14.2 | 20.0 | -28.8 | 50.0 |
| Amyl acetate (mixed isomers) | Ave | 0.3664 | 0.3899 | | 21.3 | 20.0 | 6.4 | 50.0 |
| Isopropylbenzene | Ave | 1.236 | 1.234 | | 20.0 | 20.0 | -0.2 | 50.0 |
| Camphene | Ave | 0.4685 | 0.5338 | | 22.8 | 20.0 | 13.9 | 50.0 |
| Bromobenzene | Ave | 0.7728 | 0.7631 | | 19.8 | 20.0 | -1.2 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.8455 | 0.7665 | 0.3000 | 18.1 | 20.0 | -9.3 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.2565 | 0.2300 | | 17.9 | 20.0 | -10.3 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.2535 | 0.2628 | | 20.7 | 20.0 | 3.7 | 50.0 |
| N-Propylbenzene | Ave | 3.137 | 3.336 | | 21.3 | 20.0 | 6.3 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17611/2 Calibration Date: 09/22/2009 09:08

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25818.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chlorotoluene | Ave | 1.884 | 1.900 | | 20.2 | 20.0 | 0.8 | 50.0 |
| 4-Chlorotoluene | Ave | 2.202 | 2.231 | | 20.3 | 20.0 | 1.3 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.142 | 2.164 | | 20.2 | 20.0 | 1.0 | 50.0 |
| Butyl Methacrylate | Ave | 0.8124 | 0.9027 | | 22.2 | 20.0 | 11.1 | 50.0 |
| tert-Butylbenzene | Ave | 1.810 | 1.806 | | 20.0 | 20.0 | -0.2 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.205 | 2.213 | | 20.1 | 20.0 | 0.4 | 50.0 |
| 2-Octanone | Ave | 0.8743 | 0.9483 | | 21.7 | 20.0 | 8.5 | 50.0 |
| sec-Butylbenzene | Ave | 2.628 | 2.745 | | 20.9 | 20.0 | 4.5 | 50.0 |
| 2-Octanol | QuaF | 0.2787 | 0.1693 | | 9.57 | 20.0 | -52.2* | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.365 | 1.335 | | 19.6 | 20.0 | -2.1 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.238 | 2.281 | | 20.4 | 20.0 | 1.9 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.409 | 1.360 | | 19.3 | 20.0 | -3.5 | 50.0 |
| Benzyl chloride | Ave | 1.338 | 1.483 | | 22.2 | 20.0 | 10.8 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.291 | 1.224 | | 19.0 | 20.0 | -5.2 | 50.0 |
| n-Butylbenzene | Ave | 2.061 | 2.138 | | 20.7 | 20.0 | 3.7 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1344 | 0.0982 | | 14.6 | 20.0 | -26.9 | 50.0 |
| Camphor | Ave | 0.0615 | 0.0367 | | 59.6 | 100 | -40.4 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.7867 | 0.6756 | | 17.2 | 20.0 | -14.1 | 50.0 |
| Hexachlorobutadiene | Ave | 0.3025 | 0.2425 | | 16.0 | 20.0 | -19.9 | 50.0 |
| Naphthalene | Ave | 1.931 | 1.518 | | 15.7 | 20.0 | -21.4 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.6496 | 0.5356 | | 16.5 | 20.0 | -17.6 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2416 | 0.2090 | | 43.3 | 50.0 | -13.5 | 50.0 |
| Toluene-d8 (Surr) | Ave | 0.9462 | 0.8646 | | 45.7 | 50.0 | -8.6 | 50.0 |
| 4-Bromofluorobenzene | Ave | 0.7729 | 0.6894 | | 44.6 | 50.0 | -10.8 | 50.0 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25818.d
Report Date: 22-Sep-2009 09:33

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25818.d
Lab Smp Id: CCVIS
Inj Date : 22-SEP-2009 09:08
Operator : Inst ID: VOAMS2.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/8260_09.m
Meth Date : 22-Sep-2009 09:33 desais Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 78932 | 20.0000 | 19 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 93613 | 20.0000 | 15 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 115754 | 20.0000 | 20 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 43499 | 20.0000 | 15 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 73373 | 20.0000 | 23 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 153045 | 20.0000 | 22 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 19531 | 20.0000 | 22 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 155508 | 20.0000 | 23 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 93782 | 20.0000 | 22 |
| 13 Acrolein | 56 | 1.891 | 1.891 | (0.416) | 6918 | 40.0000 | 36 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 71018 | 20.0000 | 19 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 102388 | 20.0000 | 22 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 10410 | 20.0000 | 20 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 140815 | 20.0000 | 19 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25818.d
Report Date: 22-Sep-2009 09:33

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 358475 | 20.0000 | 23 |
| | 19 Isopropanol | 45 | 2.146 | 2.146 | (0.472) | 327299 | 3000.00 | 1600 |
| | 21 Acetonitrile | 39 | 2.220 | 2.220 | (0.488) | 42305 | 400.000 | 360 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 37741 | 20.0000 | 19 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 95810 | 20.0000 | 19 |
| | 24 TBA | 59 | 2.450 | 2.450 | (0.539) | 121205 | 400.000 | 260 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 93007 | 20.0000 | 19 |
| | 26 Acrylonitrile | 53 | 2.533 | 2.533 | (0.557) | 37530 | 20.0000 | 16 |
| | 28 MTBE | 73 | 2.541 | 2.541 | (0.559) | 311369 | 20.0000 | 20 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 73162 | 20.0000 | 23 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 162643 | 20.0000 | 19 |
| | 31 Vinyl Acetate | 43 | 2.952 | 2.952 | (0.649) | 249735 | 20.0000 | 21 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 341796 | 20.0000 | 23 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 334737 | 20.0000 | 21 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 120902 | 20.0000 | 20 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 104368 | 20.0000 | 18 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 13366 | 20.0000 | 19 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 25050 | 40.0000 | 39 |
| | 40 Bromochloromethane | 128 | 3.619 | 3.619 | (0.796) | 53391 | 20.0000 | 18 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 34007 | 20.0000 | 21 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 165287 | 20.0000 | 19 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 126683 | 20.0000 | 19 |
| | 44 Cyclohexane | 56 | 3.899 | 3.899 | (0.857) | 181991 | 20.0000 | 22 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 106118 | 20.0000 | 17 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 123610 | 20.0000 | 19 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.195 | 4.195 | (0.922) | 215226 | 50.0000 | 43 |
| | 48 Benzene | 78 | 4.236 | 4.236 | (0.526) | 375762 | 20.0000 | 19 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 123674 | 20.0000 | 18 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 318205 | 20.0000 | 21 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 513410 | 40.0000 | 40 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1029595 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.944 | 4.944 | (1.087) | 97093 | 20.0000 | 19 |
| | 53 n-Butanol | 56 | 4.977 | 4.977 | (1.094) | 72948 | 1500.00 | 840 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 179253 | 20.0000 | 21 |
| | 55 Ethyl Acrylate | 55 | 5.133 | 5.133 | (1.128) | 288346 | 20.0000 | 21 |
| | 57 1,2-Dichloropropane | 63 | 5.207 | 5.207 | (1.145) | 97942 | 20.0000 | 19 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 65248 | 20.0000 | 18 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 32425 | 20.0000 | 20 |
| | 75 Propyl Acetate | 43 | 5.495 | 5.495 | (1.208) | 328741 | 40.0000 | 39 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 127109 | 20.0000 | 18 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.973 | 5.973 | (1.313) | 79923 | 20.0000 | 20 |
| | 63 Epichlorohydrin | 57 | 6.030 | 6.030 | (0.749) | 204701 | 400.000 | 390 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 152900 | 20.0000 | 20 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 106221 | 20.0000 | 20 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.442 | 6.442 | (0.800) | 662603 | 50.0000 | 46 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 406480 | 20.0000 | 20 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 137678 | 20.0000 | 19 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25818.d
Report Date: 22-Sep-2009 09:33

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 69 | 1,1,2-Trichloroethane | 83 | 7.075 | 7.075 | (0.878) | 76854 | 20.0000 | 19 |
| 71 | Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 100324 | 20.0000 | 19 |
| 72 | 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 154526 | 20.0000 | 19 |
| 73 | 2-Hexanone | 43 | 7.396 | 7.396 | (0.918) | 73289 | 20.0000 | 19 |
| 74 | Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 96186 | 20.0000 | 18 |
| 76 | Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 64960 | 40.0000 | 41 |
| 77 | 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 96510 | 20.0000 | 18 |
| * 78 | Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 766233 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 256487 | 20.0000 | 20 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.170 | 8.170 | (1.014) | 86698 | 20.0000 | 19 |
| 81 | Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 132171 | 20.0000 | 20 |
| 82 | m+p-Xylene | 106 | 8.310 | 8.310 | (1.032) | 332020 | 40.0000 | 40 |
| 84 | o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 154573 | 20.0000 | 19 |
| 85 | Styrene | 104 | 8.672 | 8.672 | (1.077) | 280212 | 20.0000 | 20 |
| 83 | Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 90726 | 20.0000 | 22 |
| 86 | Bromoform | 173 | 8.820 | 8.820 | (1.095) | 61061 | 20.0000 | 14 |
| 87 | Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 57980 | 20.0000 | 21 |
| 88 | Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 378083 | 20.0000 | 20 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 256334 | 50.0000 | 45 |
| 90 | Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 163605 | 20.0000 | 23 |
| 91 | Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 113486 | 20.0000 | 20 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 113991 | 20.0000 | 18 |
| 93 | 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 34196 | 20.0000 | 18 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.281 | 9.281 | (0.930) | 39074 | 20.0000 | 21 |
| 95 | n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 496040 | 20.0000 | 21 |
| 96 | 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 282509 | 20.0000 | 20 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 321736 | 20.0000 | 20 |
| 98 | 4-Chlorotoluene | 91 | 9.446 | 9.446 | (0.946) | 331738 | 20.0000 | 20 |
| 99 | Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 134236 | 20.0000 | 22 |
| 100 | tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 268562 | 20.0000 | 20 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 329066 | 20.0000 | 20 |
| 102 | 2-Octanone | 43 | 9.832 | 9.832 | (0.985) | 141022 | 20.0000 | 22 |
| 103 | sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 408220 | 20.0000 | 21 |
| 104 | 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 25176 | 20.0000 | 9.6 |
| 105 | 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 198591 | 20.0000 | 20 |
| 107 | p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 339198 | 20.0000 | 20 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 371771 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 202183 | 20.0000 | 19 |
| 110 | Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 220518 | 20.0000 | 22 |
| 106 | n-Butylbenzene | 91 | 10.260 | 10.260 | (1.028) | 317947 | 20.0000 | 21 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.260 | 10.260 | (1.028) | 182009 | 20.0000 | 19 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 14604 | 20.0000 | 15 |
| 113 | Camphor | 95 | 11.314 | 11.314 | (1.134) | 27268 | 100.000 | 60 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 100468 | 20.0000 | 17 |
| 115 | Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 36055 | 20.0000 | 16 |
| 116 | Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 225672 | 20.0000 | 16 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 79641 | 20.0000 | 16 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25818.d
Report Date: 22-Sep-2009 09:33

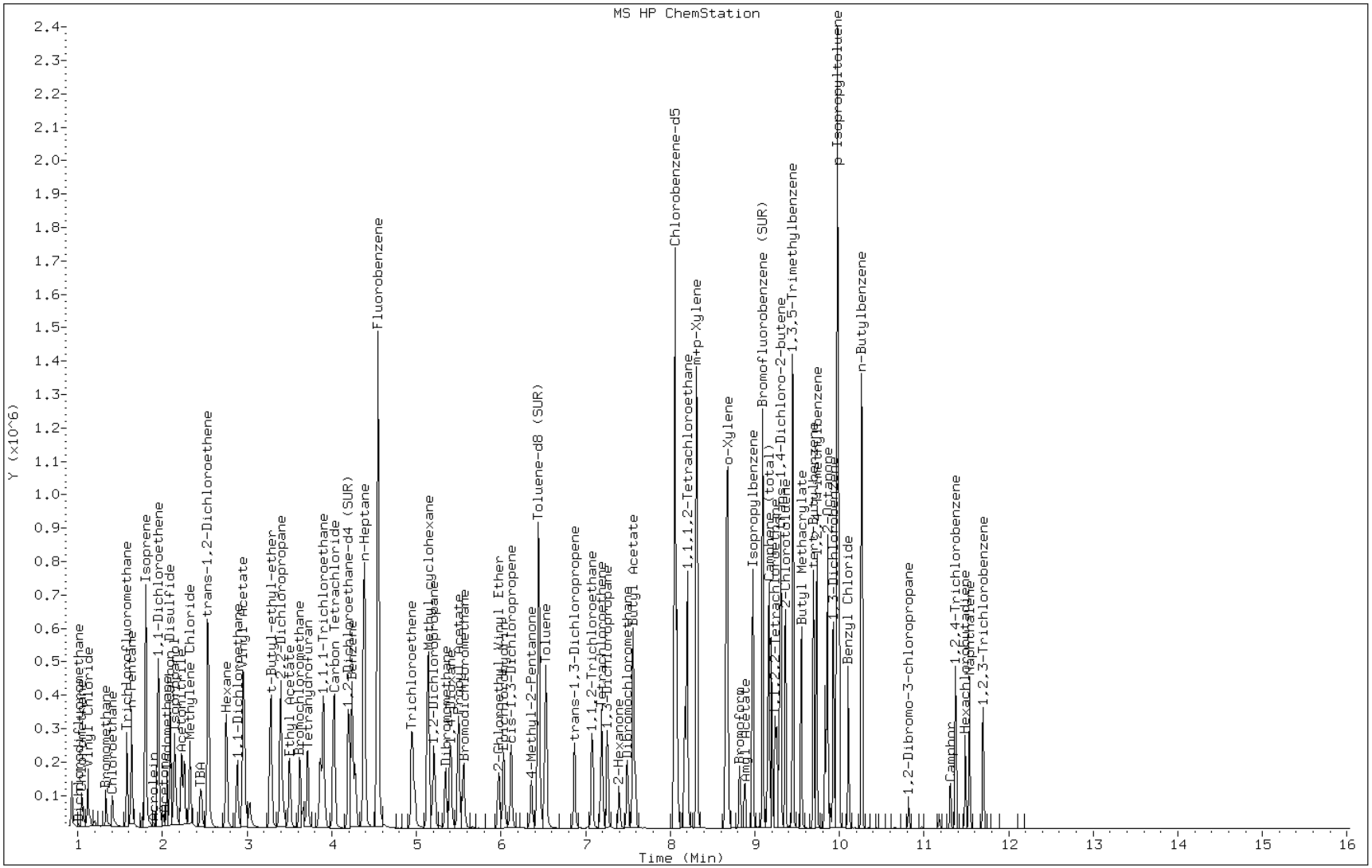
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 197376 | 40.0000 | 38 |
| M 121 Xylene (Total) | 100 | | | | 486594 | 60.0000 | 60 |

Data File: b25818.d

Date: 22-SEP-2009 09:08

Client ID: Instrument: VOAMS2.i

Sample Info: CCVIS Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17679/2 Calibration Date: 09/22/2009 20:24

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25839.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | LinF | 0.1854 | 0.1651 | | 16.2 | 20.0 | -18.9 | 50.0 |
| Chloromethane | Ave | 0.2979 | 0.2281 | 0.1000 | 15.3 | 20.0 | -23.4 | 50.0 |
| Vinyl chloride | Ave | 0.2773 | 0.2659 | | 19.2 | 20.0 | -4.1 | 20.0 |
| Bromomethane | Ave | 0.1416 | 0.1370 | | 19.3 | 20.0 | -3.3 | 50.0 |
| Chloroethane | Ave | 0.1566 | 0.1634 | | 20.9 | 20.0 | 4.3 | 50.0 |
| Trichlorofluoromethane | LinF | 0.3356 | 0.3186 | | 18.6 | 20.0 | -7.0 | 50.0 |
| Pentane | LinF | 0.0398 | 0.0380 | | 17.6 | 20.0 | -12.1 | 50.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.3280 | 0.3005 | | 18.3 | 20.0 | -8.4 | 50.0 |
| Ethyl ether | Ave | 0.2101 | 0.1938 | | 18.5 | 20.0 | -7.7 | 50.0 |
| Acrolein | LinF | 0.0107 | 0.0093 | | 39.6 | 40.0 | -0.9 | 99.0 |
| 1,1-Dichloroethene | Ave | 0.1796 | 0.1667 | | 18.6 | 20.0 | -7.2 | 20.0 |
| 1,1,2-Trichloro-1,2,2-triflu oroethane | LinF | 0.2143 | 0.1932 | | 17.0 | 20.0 | -15.2 | 50.0 |
| Acetone | Ave | 0.0252 | 0.0315 | | 25.0 | 20.0 | 25.1 | 50.0 |
| Iodomethane | Ave | 0.3536 | 0.2262 | | 12.8 | 20.0 | -36.0 | 50.0 |
| Carbon disulfide | Ave | 0.7517 | 0.6762 | | 18.0 | 20.0 | -10.0 | 50.0 |
| Isopropyl alcohol | Ave | 0.0099 | 0.0104 | | 3160 | 3000 | 5.4 | 50.0 |
| Acetonitrile | Ave | 0.0057 | 0.0055 | | 384 | 400 | -3.9 | 50.0 |
| Methyl acetate | Ave | 0.0943 | 0.0913 | | 19.4 | 20.0 | -3.2 | 50.0 |
| Methylene Chloride | Ave | 0.2411 | 0.2430 | | 20.2 | 20.0 | 0.8 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0226 | 0.0192 | | 340 | 400 | -15.0 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2381 | 0.2266 | | 19.0 | 20.0 | -4.8 | 50.0 |
| Acrylonitrile | Ave | 0.1115 | 0.1124 | | 20.2 | 20.0 | 0.8 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7383 | 0.6746 | | 18.3 | 20.0 | -8.6 | 50.0 |
| Hexane | Ave | 0.1560 | 0.1535 | | 19.7 | 20.0 | -1.6 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.4129 | 0.4085 | 0.1000 | 19.8 | 20.0 | -1.1 | 50.0 |
| Vinyl acetate | Ave | 0.5760 | 0.5316 | | 18.5 | 20.0 | -7.7 | 50.0 |
| Isopropyl ether | Ave | 0.7300 | 0.7113 | | 19.5 | 20.0 | -2.6 | 50.0 |
| Tert-butyl ethyl ether | Ave | 0.7599 | 0.6990 | 0.0100 | 18.4 | 20.0 | -8.0 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.2969 | 0.3029 | | 20.4 | 20.0 | 2.0 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2730 | 0.2659 | | 19.5 | 20.0 | -2.6 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.0344 | 0.0337 | | 19.6 | 20.0 | -1.8 | 50.0 |
| Ethyl acetate | Ave | 0.0315 | 0.0311 | | 39.5 | 40.0 | -1.3 | 50.0 |
| Chlorobromomethane | Ave | 0.1423 | 0.1343 | | 18.9 | 20.0 | -5.6 | 50.0 |
| Tetrahydrofuran | LinF | 0.0974 | 0.0869 | | 21.8 | 20.0 | 8.8 | 50.0 |
| Chloroform | Ave | 0.4227 | 0.4125 | | 19.5 | 20.0 | -2.4 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.3258 | 0.3106 | | 19.1 | 20.0 | -4.7 | 50.0 |
| Cyclohexane | LinF | 0.3753 | 0.3560 | | 17.9 | 20.0 | -10.7 | 50.0 |
| Carbon tetrachloride | LinF | 0.2688 | 0.2558 | | 16.9 | 20.0 | -15.4 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.3117 | 0.2976 | | 19.1 | 20.0 | -4.5 | 50.0 |
| Benzene | Ave | 1.276 | 1.250 | | 19.6 | 20.0 | -2.0 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17679/2 Calibration Date: 09/22/2009 20:24

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25839.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | Ave | 0.3281 | 0.3205 | | 19.5 | 20.0 | -2.3 | 50.0 |
| Isopropyl acetate | Ave | 0.6162 | 0.5901 | | 38.3 | 40.0 | -4.2 | 50.0 |
| Tert-amyl methyl ether | Ave | 0.7390 | 0.6704 | | 18.1 | 20.0 | -9.3 | 50.0 |
| Trichloroethene | Ave | 0.2494 | 0.2377 | | 19.1 | 20.0 | -4.7 | 50.0 |
| n-Butanol | QuaF | 0.0046 | 0.0045 | | 1500 | 1500 | 0.1 | 50.0 |
| Ethyl acrylate | Ave | 0.6624 | 0.6305 | | 19.0 | 20.0 | -4.8 | 50.0 |
| Methylcyclohexane | LinF | 0.3835 | 0.3604 | | 17.8 | 20.0 | -11.2 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2501 | 0.2511 | | 20.1 | 20.0 | 0.4 | 20.0 |
| Dibromomethane | Ave | 0.1751 | 0.1721 | | 19.7 | 20.0 | -1.7 | 50.0 |
| Methyl methacrylate | Ave | 0.0807 | 0.0749 | | 18.6 | 20.0 | -7.1 | 50.0 |
| n-Propyl acetate | Ave | 0.4122 | 0.3996 | | 38.8 | 40.0 | -3.1 | 50.0 |
| Dichlorobromomethane | Ave | 0.3342 | 0.3224 | | 19.3 | 20.0 | -3.5 | 50.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1968 | 0.1786 | | 18.2 | 20.0 | -9.2 | 50.0 |
| Epichlorohydrin | Ave | 0.0346 | 0.0333 | | 386 | 400 | -3.6 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.5041 | 0.5176 | | 20.5 | 20.0 | 2.7 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.3450 | 0.3392 | | 19.7 | 20.0 | -1.7 | 50.0 |
| Toluene | Ave | 1.347 | 1.356 | | 20.1 | 20.0 | 0.6 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.4774 | 0.4742 | | 19.9 | 20.0 | -0.7 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2601 | 0.2699 | | 20.8 | 20.0 | 3.8 | 50.0 |
| Tetrachloroethene | Ave | 0.3358 | 0.3205 | | 19.1 | 20.0 | -4.5 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5250 | 0.5460 | | 20.8 | 20.0 | 4.0 | 50.0 |
| 2-Hexanone | Ave | 0.2500 | 0.2385 | | 19.1 | 20.0 | -4.6 | 50.0 |
| Chlorodibromomethane | Ave | 0.3402 | 0.3315 | | 19.5 | 20.0 | -2.5 | 50.0 |
| n-Butyl acetate | Ave | 0.1042 | 0.0998 | | 38.3 | 40.0 | -4.2 | 50.0 |
| Ethylene Dibromide | Ave | 0.3432 | 0.3489 | | 20.3 | 20.0 | 1.7 | 50.0 |
| Chlorobenzene | Ave | 0.8531 | 0.8467 | 0.3000 | 19.9 | 20.0 | -0.7 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2910 | 0.2918 | | 20.1 | 20.0 | 0.3 | 50.0 |
| Ethylbenzene | Ave | 0.4404 | 0.4333 | | 19.7 | 20.0 | -1.6 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.5379 | 0.5376 | | 40.0 | 40.0 | 0.1 | 50.0 |
| o-Xylene | Ave | 0.5222 | 0.5120 | | 19.6 | 20.0 | -2.0 | 50.0 |
| n-Butyl acrylate | Ave | 0.2696 | 0.2638 | | 19.6 | 20.0 | -2.1 | 50.0 |
| Styrene | Ave | 0.9266 | 0.9430 | | 20.4 | 20.0 | 1.8 | 50.0 |
| Bromoform | LinF | 0.2412 | 0.2144 | 0.1000 | 15.3 | 20.0 | -23.4 | 50.0 |
| Amyl acetate (mixed isomers) | Ave | 0.3664 | 0.3646 | | 19.9 | 20.0 | -0.5 | 50.0 |
| Isopropylbenzene | Ave | 1.236 | 1.211 | | 19.6 | 20.0 | -2.1 | 50.0 |
| Camphene | Ave | 0.4685 | 0.4343 | | 18.5 | 20.0 | -7.3 | 50.0 |
| Bromobenzene | Ave | 0.7728 | 0.7864 | | 20.4 | 20.0 | 1.8 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.8455 | 0.9097 | 0.3000 | 21.5 | 20.0 | 7.6 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.2565 | 0.2696 | | 21.0 | 20.0 | 5.1 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.2535 | 0.2400 | | 18.9 | 20.0 | -5.3 | 50.0 |
| N-Propylbenzene | Ave | 3.137 | 3.310 | | 21.1 | 20.0 | 5.5 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17679/2 Calibration Date: 09/22/2009 20:24

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25839.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chlorotoluene | Ave | 1.884 | 1.950 | | 20.7 | 20.0 | 3.5 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.142 | 2.158 | | 20.2 | 20.0 | 0.8 | 50.0 |
| 4-Chlorotoluene | Ave | 2.202 | 2.275 | | 20.7 | 20.0 | 3.3 | 50.0 |
| Butyl Methacrylate | Ave | 0.8124 | 0.7628 | | 18.8 | 20.0 | -6.1 | 50.0 |
| tert-Butylbenzene | Ave | 1.810 | 1.740 | | 19.2 | 20.0 | -3.9 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.205 | 2.237 | | 20.3 | 20.0 | 1.5 | 50.0 |
| 2-Octanone | Ave | 0.8743 | 0.8794 | | 20.1 | 20.0 | 0.6 | 50.0 |
| sec-Butylbenzene | Ave | 2.628 | 2.641 | | 20.1 | 20.0 | 0.5 | 50.0 |
| 2-Octanol | QuaF | 0.2787 | 0.1611 | | 9.10 | 20.0 | -54.5* | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.365 | 1.381 | | 20.2 | 20.0 | 1.2 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.238 | 2.228 | | 19.9 | 20.0 | -0.5 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.409 | 1.446 | | 20.5 | 20.0 | 2.6 | 50.0 |
| Benzyl chloride | Ave | 1.338 | 1.366 | | 20.4 | 20.0 | 2.1 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.291 | 1.296 | | 20.1 | 20.0 | 0.4 | 50.0 |
| n-Butylbenzene | Ave | 2.061 | 2.084 | | 20.2 | 20.0 | 1.1 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1344 | 0.1241 | | 18.5 | 20.0 | -7.7 | 50.0 |
| Camphor | Ave | 0.0615 | 0.0463 | | 75.2 | 100 | -24.8 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.7867 | 0.7312 | | 18.6 | 20.0 | -7.1 | 50.0 |
| Hexachlorobutadiene | Ave | 0.3025 | 0.2466 | | 16.3 | 20.0 | -18.5 | 50.0 |
| Naphthalene | Ave | 1.931 | 1.827 | | 18.9 | 20.0 | -5.4 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.6496 | 0.5920 | | 18.2 | 20.0 | -8.9 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2416 | 0.2108 | | 43.6 | 50.0 | -12.8 | 50.0 |
| Toluene-d8 (Surr) | Ave | 0.9462 | 0.8622 | | 45.6 | 50.0 | -8.9 | 50.0 |
| 4-Bromofluorobenzene | Ave | 0.7729 | 0.6903 | | 44.7 | 50.0 | -10.7 | 50.0 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25839.d
Report Date: 22-Sep-2009 21:52

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25839.d
Lab Smp Id: CCVIS
Inj Date : 22-SEP-2009 20:24
Operator : Inst ID: VOAMS2.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/8260_09.m
Meth Date : 22-Sep-2009 21:52 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 67682 | 20.0000 | 16 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 93528 | 20.0000 | 15 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 109036 | 20.0000 | 19 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 56160 | 20.0000 | 19 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 67007 | 20.0000 | 21 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 130617 | 20.0000 | 19 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 15561 | 20.0000 | 18 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 123192 | 20.0000 | 18 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 79470 | 20.0000 | 18 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 7650 | 40.0000 | 40 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 68339 | 20.0000 | 18 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 79213 | 20.0000 | 17 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 12911 | 20.0000 | 25 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 92760 | 20.0000 | 13 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25839.d
Report Date: 22-Sep-2009 21:52

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 277249 | 20.0000 | 18 |
| | 19 Isopropanol | 45 | 2.146 | 2.146 | (0.472) | 641824 | 3000.00 | 3200 |
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 45252 | 400.000 | 380 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 37451 | 20.0000 | 19 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 99637 | 20.0000 | 20 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 157177 | 400.000 | 340 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 92897 | 20.0000 | 19 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 46082 | 20.0000 | 20 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 276587 | 20.0000 | 18 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 62953 | 20.0000 | 20 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 167504 | 20.0000 | 20 |
| | 31 Vinyl Acetate | 43 | 2.952 | 2.952 | (0.649) | 217961 | 20.0000 | 18 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 291639 | 20.0000 | 19 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 286581 | 20.0000 | 18 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 124179 | 20.0000 | 20 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 109031 | 20.0000 | 19 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 13828 | 20.0000 | 20 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 25505 | 40.0000 | 40 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 55076 | 20.0000 | 19 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 35622 | 20.0000 | 22 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 169134 | 20.0000 | 20 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 127364 | 20.0000 | 19 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 145979 | 20.0000 | 18 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 104870 | 20.0000 | 17 |
| | 46 1,1-Dichloropropene | 75 | 4.030 | 4.030 | (0.886) | 122028 | 20.0000 | 19 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 216072 | 50.0000 | 44 |
| | 48 Benzene | 78 | 4.244 | 4.244 | (0.527) | 385237 | 20.0000 | 20 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 131426 | 20.0000 | 20 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 274856 | 20.0000 | 18 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 483899 | 40.0000 | 38 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1025027 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 97455 | 20.0000 | 19 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 138094 | 1500.00 | 1500 |
| | 56 Methyl cyclohexane | 83 | 5.141 | 5.141 | (1.130) | 147752 | 20.0000 | 18 |
| | 55 Ethyl Acrylate | 55 | 5.141 | 5.141 | (1.130) | 258516 | 20.0000 | 19 |
| | 57 1,2-Dichloropropane | 63 | 5.207 | 5.207 | (1.145) | 102947 | 20.0000 | 20 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 70580 | 20.0000 | 20 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 30718 | 20.0000 | 18 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 327684 | 40.0000 | 39 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 132170 | 20.0000 | 19 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 73240 | 20.0000 | 18 |
| | 63 Epichlorohydrin | 57 | 6.038 | 6.038 | (0.750) | 205383 | 400.000 | 380 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 159522 | 20.0000 | 20 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.359 | 6.359 | (0.790) | 104551 | 20.0000 | 20 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 664425 | 50.0000 | 46 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 417795 | 20.0000 | 20 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 146152 | 20.0000 | 20 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25839.d
Report Date: 22-Sep-2009 21:52

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 69 | 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 83184 | 20.0000 | 21 |
| 71 | Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 98787 | 20.0000 | 19 |
| 72 | 1,3-Dichloropropane | 76 | 7.256 | 7.256 | (0.901) | 168281 | 20.0000 | 21 |
| 73 | 2-Hexanone | 43 | 7.396 | 7.396 | (0.918) | 73500 | 20.0000 | 19 |
| 74 | Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 102186 | 20.0000 | 19 |
| 76 | Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 61539 | 40.0000 | 38 |
| 77 | 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 107537 | 20.0000 | 20 |
| * 78 | Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 770537 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.079 | 8.079 | (1.003) | 260978 | 20.0000 | 20 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 89949 | 20.0000 | 20 |
| 81 | Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 133541 | 20.0000 | 20 |
| 82 | m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 331373 | 40.0000 | 40 |
| 84 | o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 157796 | 20.0000 | 20 |
| 85 | Styrene | 104 | 8.680 | 8.680 | (1.078) | 290632 | 20.0000 | 20 |
| 83 | Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 81311 | 20.0000 | 20 |
| 86 | Bromoform | 173 | 8.820 | 8.820 | (1.095) | 66066 | 20.0000 | 15 |
| 87 | Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 54212 | 20.0000 | 20 |
| 88 | Isopropylbenzene | 105 | 8.976 | 8.976 | (1.114) | 373126 | 20.0000 | 20 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 256604 | 50.0000 | 45 |
| 90 | Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 133854 | 20.0000 | 18 |
| 91 | Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 116921 | 20.0000 | 20 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 135256 | 20.0000 | 22 |
| 93 | 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 40078 | 20.0000 | 21 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 35685 | 20.0000 | 19 |
| 95 | n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 492083 | 20.0000 | 21 |
| 96 | 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 289878 | 20.0000 | 21 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 320885 | 20.0000 | 20 |
| 98 | 4-Chlorotoluene | 91 | 9.454 | 9.454 | (0.947) | 338173 | 20.0000 | 21 |
| 99 | Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 113418 | 20.0000 | 19 |
| 100 | tert-Butylbenzene | 119 | 9.692 | 9.692 | (0.971) | 258723 | 20.0000 | 19 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 332614 | 20.0000 | 20 |
| 102 | 2-Octanone | 43 | 9.832 | 9.832 | (0.985) | 130744 | 20.0000 | 20 |
| 103 | sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 392608 | 20.0000 | 20 |
| 104 | 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 23951 | 20.0000 | 9.1 |
| 105 | 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 205308 | 20.0000 | 20 |
| 107 | p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 331212 | 20.0000 | 20 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 371700 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 215024 | 20.0000 | 20 |
| 110 | Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 203134 | 20.0000 | 20 |
| 106 | n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 309846 | 20.0000 | 20 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.269 | 10.269 | (1.029) | 192738 | 20.0000 | 20 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 18453 | 20.0000 | 18 |
| 113 | Camphor | 95 | 11.314 | 11.314 | (1.134) | 34384 | 100.000 | 75 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 108711 | 20.0000 | 18 |
| 115 | Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 36670 | 20.0000 | 16 |
| 116 | Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 271710 | 20.0000 | 19 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 88019 | 20.0000 | 18 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25839.d
Report Date: 22-Sep-2009 21:52

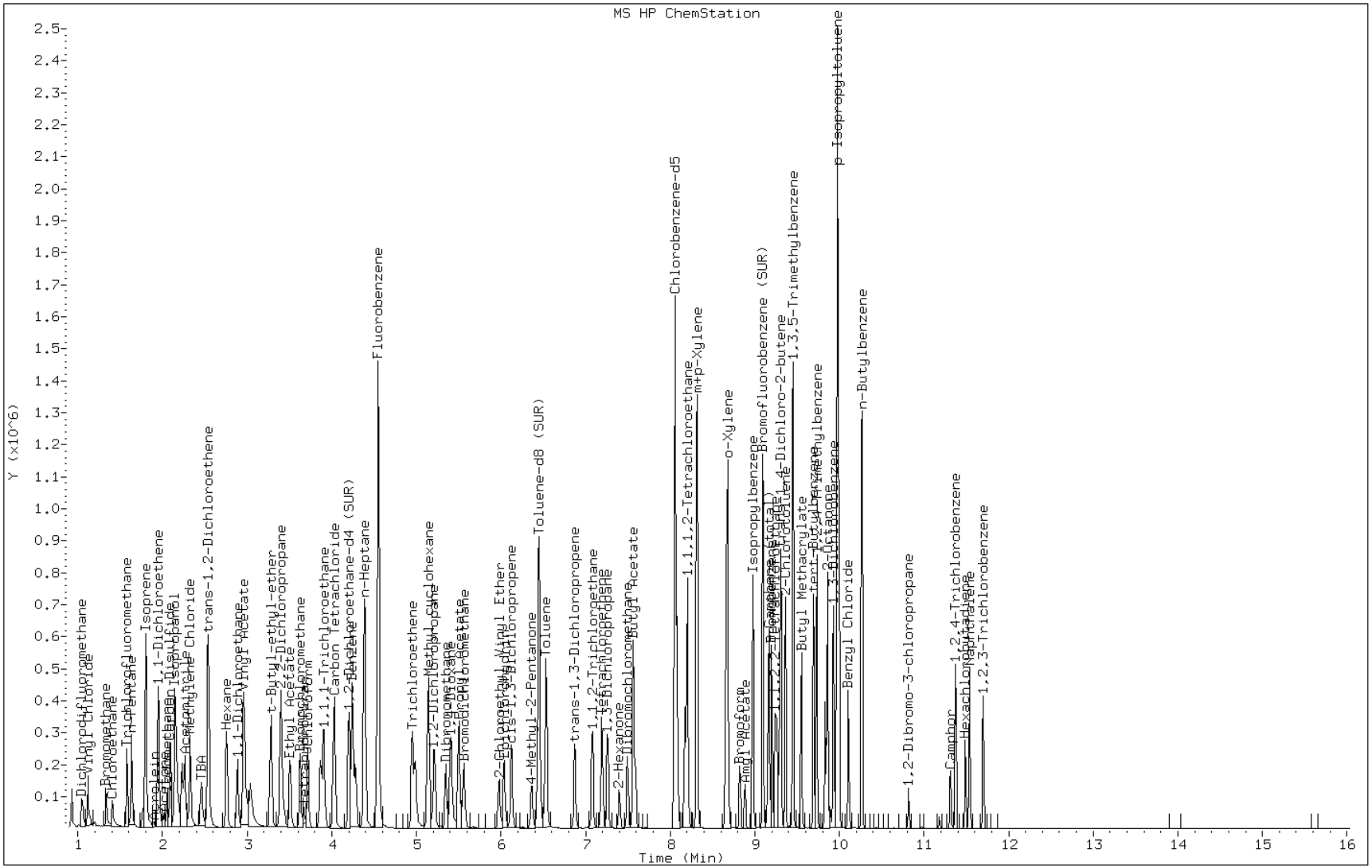
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 201929 | 40.0000 | 38 |
| M 121 Xylene (Total) | 100 | | | | 489169 | 60.0000 | 60 |

Data File: b25839.d

Date: 22-SEP-2009 20:24

Client ID: Instrument: VOAMS2.i

Sample Info: CCVIS Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25720.d
Report Date: 19-Sep-2009 07:12

TestAmerica

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25720.d
Lab Smp Id: BFB
Inj Date : 19-SEP-2009 06:59
Operator : VOAMS 1 Inst ID: VOAMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/VOABFB.m
Meth Date : 05-Apr-2009 14:55 sylvanus Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

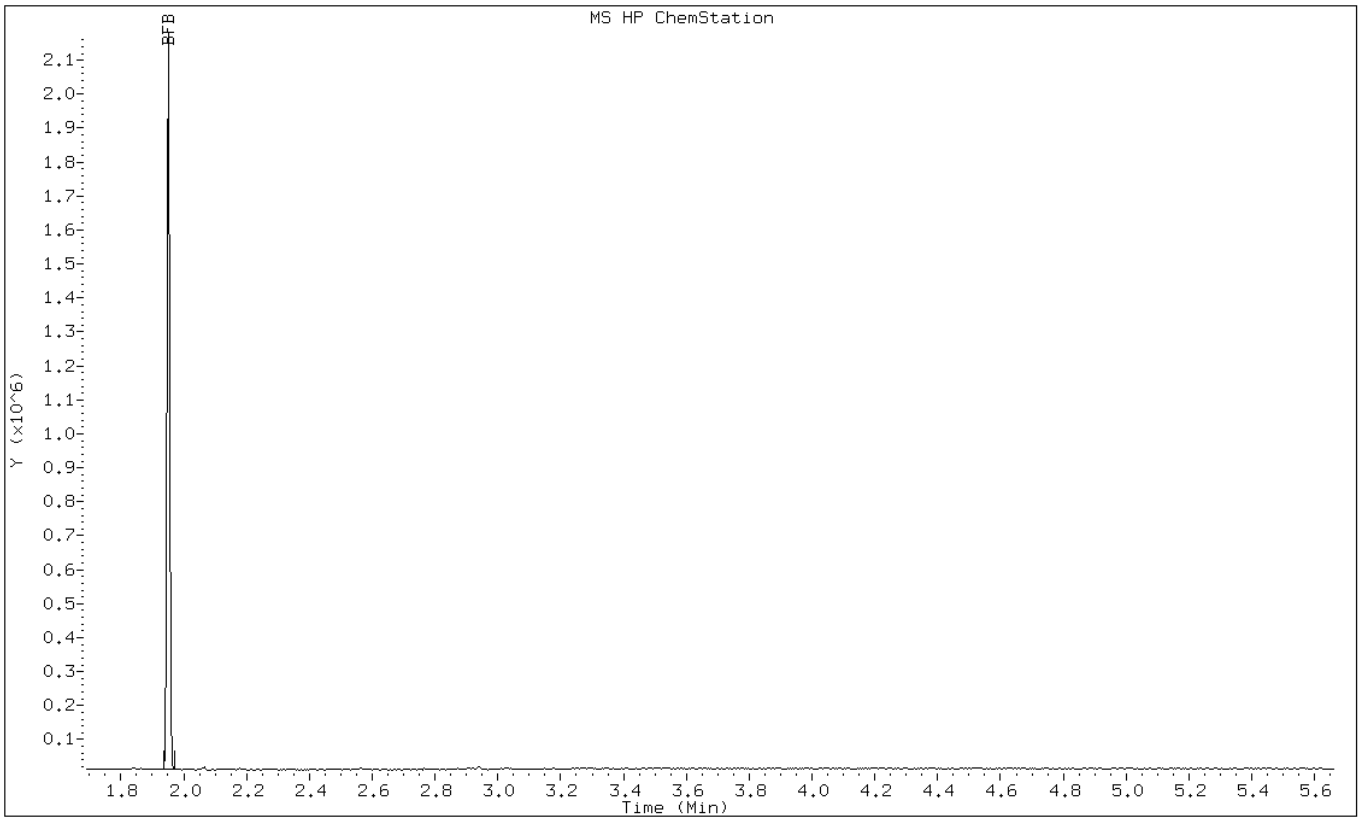
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 1.952 | 1.900 (0.000) | 95 | 334976 | | | 0.00- 100.00 | 100.00 |
| 1.952 | 1.900 (0.000) | 50 | 57800 | | | 15.00- 40.00 | 17.25 |
| 1.952 | 1.900 (0.000) | 75 | 158144 | | | 30.00- 60.00 | 47.21 |
| 1.952 | 1.900 (0.000) | 96 | 22600 | | | 5.00- 9.00 | 6.75 |
| 1.952 | 1.900 (0.000) | 173 | 1620 | | | 0.00- 2.00 | 0.55 |
| 1.952 | 1.900 (0.000) | 174 | 293504 | | | 50.00- 100.00 | 87.62 |
| 1.952 | 1.900 (0.000) | 175 | 20128 | | | 5.00- 9.00 | 6.86 |
| 1.952 | 1.900 (0.000) | 176 | 284032 | | | 95.00- 101.00 | 96.77 |
| 1.952 | 1.900 (0.000) | 177 | 18048 | | | 5.00- 9.00 | 6.35 |

Data File: b25720.d

Date: 19-SEP-2009 06:59

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1



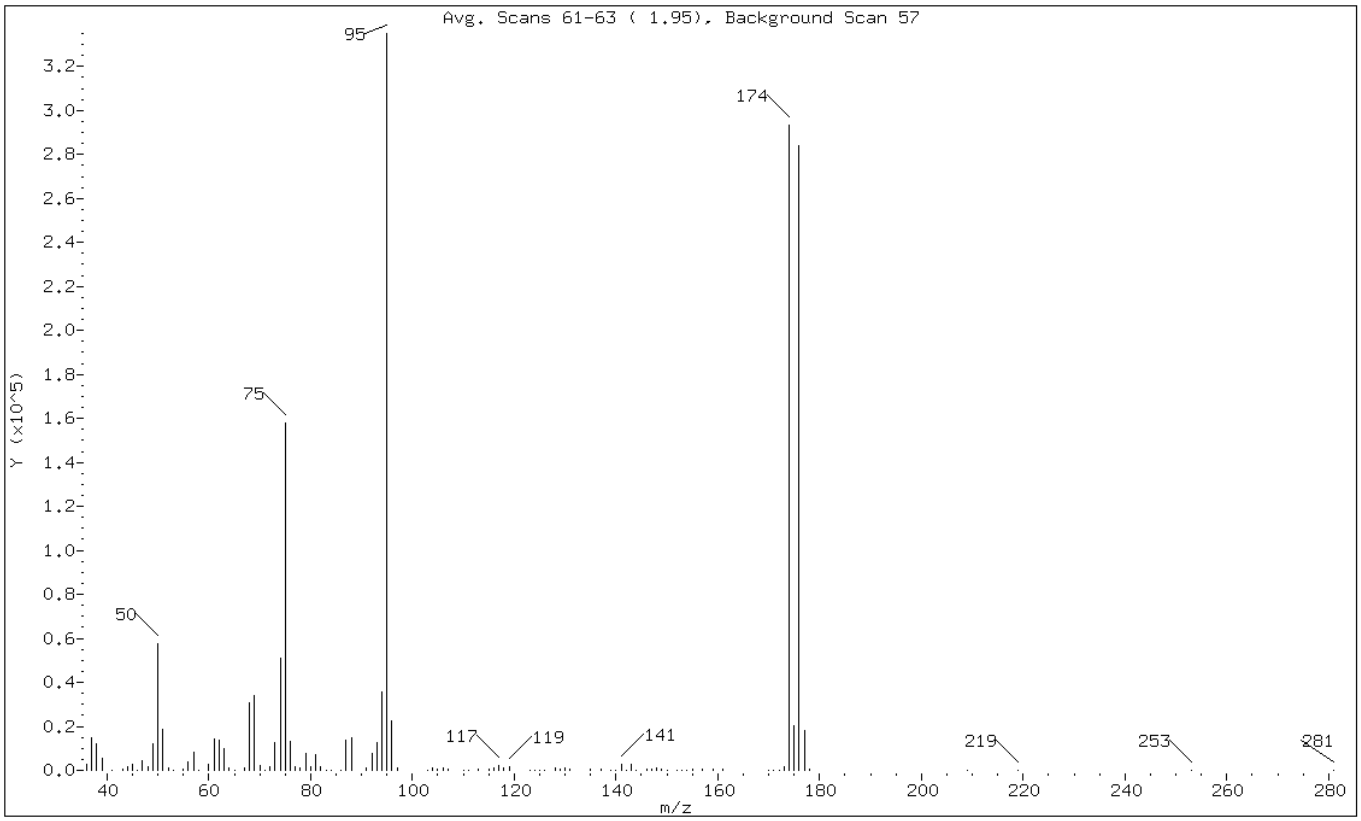
Data File: b25720.d

Date: 19-SEP-2009 06:59

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 17.25 |
| 75 | 30.00 - 60.00% of mass 95 | 47.21 |
| 96 | 5.00 - 9.00% of mass 95 | 6.75 |
| 173 | Less than 2.00% of mass 174 | 0.48 ( 0.55) |
| 174 | 50.00 - 100.00% of mass 95 | 87.62 |
| 175 | 5.00 - 9.00% of mass 174 | 6.01 ( 6.86) |
| 176 | 95.00 - 101.00% of mass 174 | 84.79 ( 96.77) |
| 177 | 5.00 - 9.00% of mass 176 | 5.39 ( 6.35) |

Data File: b25720.d

Date: 19-SEP-2009 06:59

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25720.d
Spectrum: Avg. Scans 61-63 ( 1.95), Background Scan 57
Location of Maximum: 95.00
Number of points: 108

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 2659 | 69.00 | 33984 | 105.00 | 388 | 147.00 | 331 |
| 37.00 | 14993 | 70.00 | 2234 | 106.00 | 1183 | 148.00 | 1040 |
| 38.00 | 12110 | 71.00 | 70 | 107.00 | 342 | 149.00 | 281 |
| 39.00 | 5393 | 72.00 | 1506 | 110.00 | 188 | 150.00 | 59 |
| 41.00 | 10 | 73.00 | 12772 | 111.00 | 208 | 152.00 | 158 |
| 43.00 | 324 | 74.00 | 50736 | 113.00 | 330 | 153.00 | 225 |
| 44.00 | 1622 | 75.00 | 158144 | 115.00 | 502 | 154.00 | 100 |
| 45.00 | 2617 | 76.00 | 13273 | 116.00 | 933 | 155.00 | 768 |
| 46.00 | 162 | 77.00 | 1821 | 117.00 | 2022 | 157.00 | 501 |
| 47.00 | 4282 | 78.00 | 1273 | 118.00 | 1186 | 159.00 | 402 |
| 48.00 | 1819 | 79.00 | 7673 | 119.00 | 1496 | 161.00 | 375 |
| 49.00 | 12294 | 80.00 | 1820 | 123.00 | 96 | 170.00 | 128 |
| 50.00 | 57800 | 81.00 | 7214 | 124.00 | 180 | 171.00 | 49 |
| 51.00 | 18808 | 82.00 | 1552 | 125.00 | 48 | 172.00 | 211 |
| 52.00 | 977 | 83.00 | 175 | 126.00 | 165 | 173.00 | 1620 |
| 53.00 | 84 | 84.00 | 38 | 128.00 | 1262 | 174.00 | 293504 |
| 55.00 | 782 | 86.00 | 150 | 129.00 | 479 | 175.00 | 20128 |
| 56.00 | 3624 | 87.00 | 13465 | 130.00 | 1285 | 176.00 | 284032 |
| 57.00 | 8339 | 88.00 | 14600 | 131.00 | 446 | 177.00 | 18048 |
| 58.00 | 240 | 91.00 | 1203 | 135.00 | 640 | 178.00 | 579 |
| 60.00 | 2794 | 92.00 | 7853 | 137.00 | 411 | 209.00 | 1 |
| 61.00 | 14011 | 93.00 | 12537 | 139.00 | 80 | 219.00 | 38 |
| 62.00 | 13488 | 94.00 | 35864 | 140.00 | 218 | 253.00 | 115 |
| 63.00 | 9830 | 95.00 | 334976 | 141.00 | 2802 | 281.00 | 21 |
| 64.00 | 855 | 96.00 | 22600 | 142.00 | 236 | | |
| 65.00 | 76 | 97.00 | 834 | 143.00 | 2614 | | |
| 67.00 | 863 | 103.00 | 101 | 144.00 | 177 | | |
| 68.00 | 30576 | 104.00 | 1290 | 146.00 | 456 | | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25785.d
Report Date: 21-Sep-2009 16:57

TestAmerica

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25785.d
Lab Smp Id: BFB
Inj Date : 21-SEP-2009 16:37
Operator : VOAMS 1 Inst ID: VOAMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/VOABFB.m
Meth Date : 05-Apr-2009 14:55 sylvanus Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

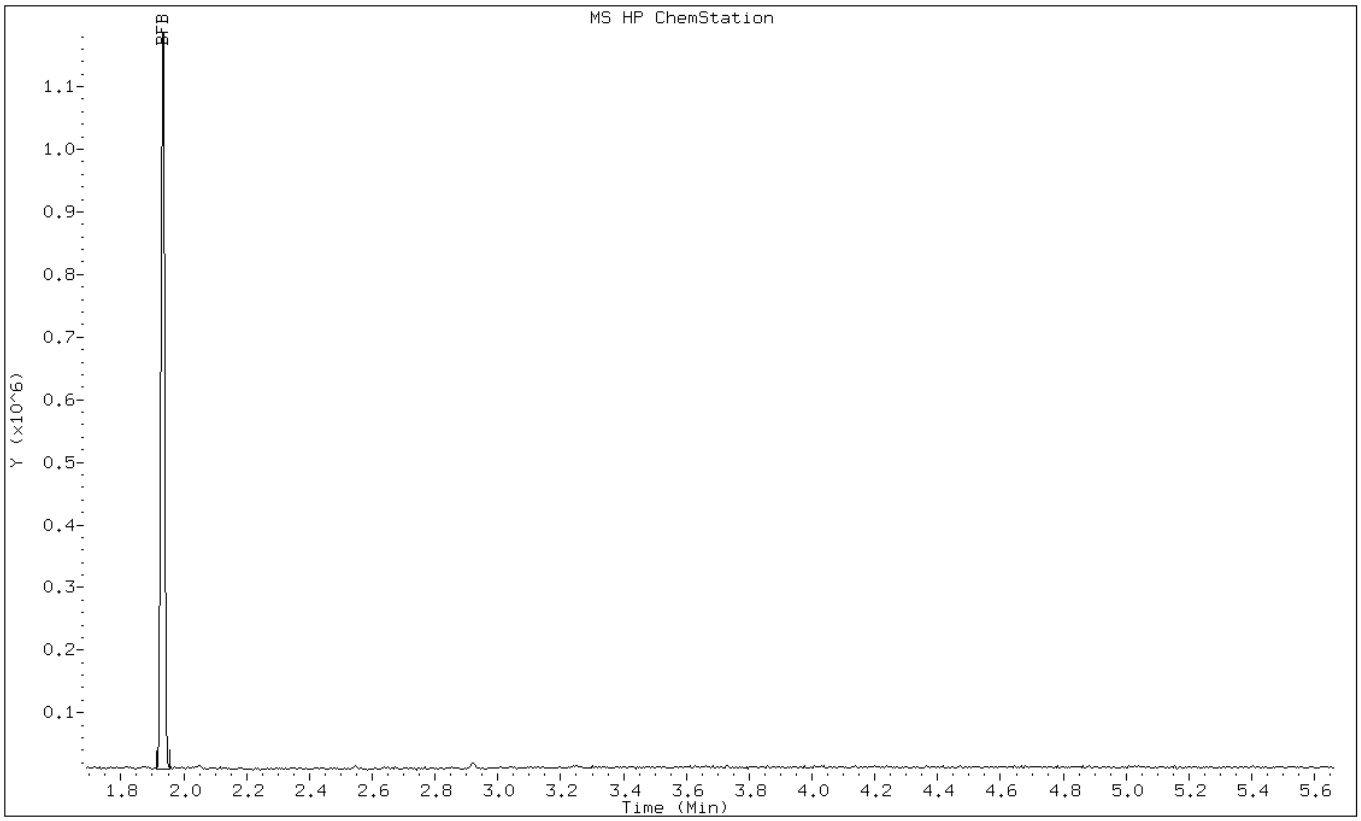
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 1.931 | 1.900 (0.000) | 95 | 193664 | | | 0.00- 100.00 | 100.00 |
| 1.931 | 1.900 (0.000) | 50 | 38224 | | | 15.00- 40.00 | 19.74 |
| 1.931 | 1.900 (0.000) | 75 | 96464 | | | 30.00- 60.00 | 49.81 |
| 1.931 | 1.900 (0.000) | 96 | 13137 | | | 5.00- 9.00 | 6.78 |
| 1.931 | 1.900 (0.000) | 173 | 1208 | | | 0.00- 2.00 | 0.75 |
| 1.931 | 1.900 (0.000) | 174 | 160960 | | | 50.00- 100.00 | 83.11 |
| 1.931 | 1.900 (0.000) | 175 | 11223 | | | 5.00- 9.00 | 6.97 |
| 1.931 | 1.900 (0.000) | 176 | 155072 | | | 95.00- 101.00 | 96.34 |
| 1.931 | 1.900 (0.000) | 177 | 10174 | | | 5.00- 9.00 | 6.56 |

Data File: b25785.d

Date: 21-SEP-2009 16:37

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1



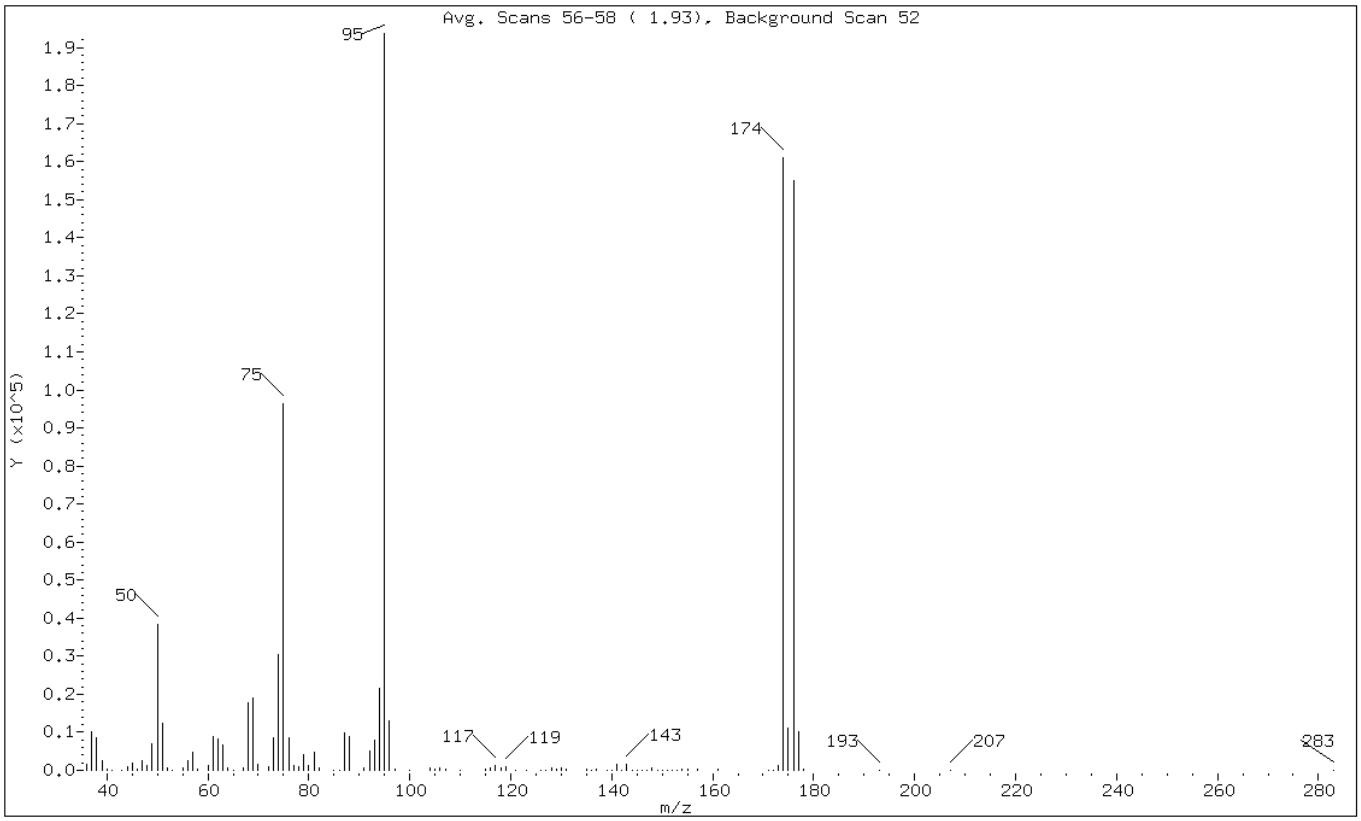
Data File: b25785.d

Date: 21-SEP-2009 16:37

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 19.74 |
| 75 | 30.00 - 60.00% of mass 95 | 49.81 |
| 96 | 5.00 - 9.00% of mass 95 | 6.78 |
| 173 | Less than 2.00% of mass 174 | 0.62 ( 0.75) |
| 174 | 50.00 - 100.00% of mass 95 | 83.11 |
| 175 | 5.00 - 9.00% of mass 174 | 5.80 ( 6.97) |
| 176 | 95.00 - 101.00% of mass 174 | 80.07 ( 96.34) |
| 177 | 5.00 - 9.00% of mass 176 | 5.25 ( 6.56) |

Data File: b25785.d

Date: 21-SEP-2009 16:37

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25785.d
Spectrum: Avg. Scans 56-58 ( 1.93), Background Scan 52
Location of Maximum: 95.00
Number of points: 105

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 1470 | 67.00 | 526 | 104.00 | 678 | 145.00 | 45 |
| 37.00 | 10151 | 68.00 | 17696 | 105.00 | 315 | 146.00 | 137 |
| 38.00 | 8557 | 69.00 | 18984 | 106.00 | 720 | 147.00 | 112 |
| 39.00 | 2668 | 70.00 | 1553 | 107.00 | 272 | 148.00 | 569 |
| 40.00 | 168 | 72.00 | 1048 | 110.00 | 47 | 149.00 | 39 |
| 41.00 | 125 | 73.00 | 8644 | 115.00 | 189 | 150.00 | 89 |
| 43.00 | 36 | 74.00 | 30432 | 116.00 | 688 | 151.00 | 44 |
| 44.00 | 843 | 75.00 | 96464 | 117.00 | 1199 | 152.00 | 94 |
| 45.00 | 1876 | 76.00 | 8519 | 118.00 | 620 | 153.00 | 41 |
| 46.00 | 176 | 77.00 | 1254 | 119.00 | 843 | 154.00 | 223 |
| 47.00 | 2657 | 78.00 | 859 | 121.00 | 74 | 155.00 | 406 |
| 48.00 | 1114 | 79.00 | 4186 | 123.00 | 115 | 157.00 | 406 |
| 49.00 | 7064 | 80.00 | 1407 | 126.00 | 51 | 161.00 | 172 |
| 50.00 | 38224 | 81.00 | 4804 | 127.00 | 33 | 171.00 | 61 |
| 51.00 | 12219 | 82.00 | 770 | 128.00 | 635 | 172.00 | 137 |
| 52.00 | 559 | 85.00 | 105 | 129.00 | 230 | 173.00 | 1208 |
| 53.00 | 38 | 86.00 | 91 | 130.00 | 478 | 174.00 | 160960 |
| 55.00 | 652 | 87.00 | 9832 | 131.00 | 282 | 175.00 | 11223 |
| 56.00 | 2497 | 88.00 | 8808 | 135.00 | 360 | 176.00 | 155072 |
| 57.00 | 4784 | 91.00 | 614 | 136.00 | 37 | 177.00 | 10174 |
| 58.00 | 190 | 92.00 | 4953 | 137.00 | 268 | 178.00 | 428 |
| 60.00 | 1344 | 93.00 | 7874 | 139.00 | 39 | 193.00 | 147 |
| 61.00 | 8741 | 94.00 | 21448 | 140.00 | 82 | 207.00 | 57 |
| 62.00 | 8185 | 95.00 | 193664 | 141.00 | 1434 | 283.00 | 96 |
| 63.00 | 6755 | 96.00 | 13137 | 142.00 | 143 | | |
| 64.00 | 608 | 97.00 | 461 | 143.00 | 1549 | | |
| 65.00 | 112 | 100.00 | 98 | 144.00 | 117 | | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25816.d
Report Date: 22-Sep-2009 08:26

TestAmerica

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25816.d
Lab Smp Id: BFB
Inj Date : 22-SEP-2009 08:11
Operator : VOAMS 1 Inst ID: VOAMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/VOABFB.m
Meth Date : 05-Apr-2009 14:55 sylvanus Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

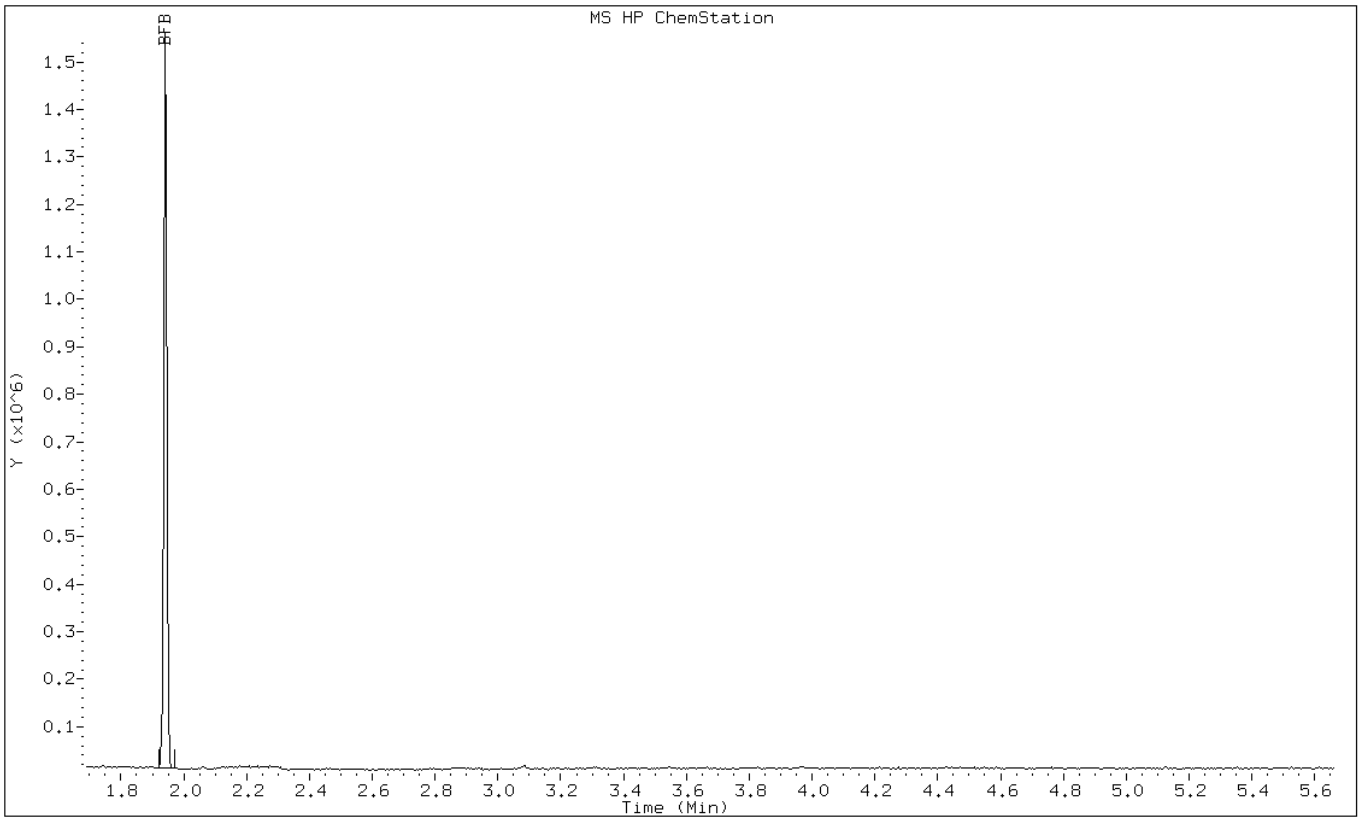
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 1.939 | 1.900 (0.000) | 95 | 257792 | | | 0.00- 100.00 | 100.00 |
| 1.939 | 1.900 (0.000) | 50 | 49789 | | | 15.00- 40.00 | 19.31 |
| 1.939 | 1.900 (0.000) | 75 | 122370 | | | 30.00- 60.00 | 47.47 |
| 1.939 | 1.900 (0.000) | 96 | 16436 | | | 5.00- 9.00 | 6.38 |
| 1.939 | 1.900 (0.000) | 173 | 1763 | | | 0.00- 2.00 | 0.87 |
| 1.939 | 1.900 (0.000) | 174 | 203514 | | | 50.00- 100.00 | 78.95 |
| 1.939 | 1.900 (0.000) | 175 | 13714 | | | 5.00- 9.00 | 6.74 |
| 1.939 | 1.900 (0.000) | 176 | 195248 | | | 95.00- 101.00 | 95.94 |
| 1.939 | 1.900 (0.000) | 177 | 11828 | | | 5.00- 9.00 | 6.06 |

Data File: b25816.d

Date: 22-SEP-2009 08:11

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1



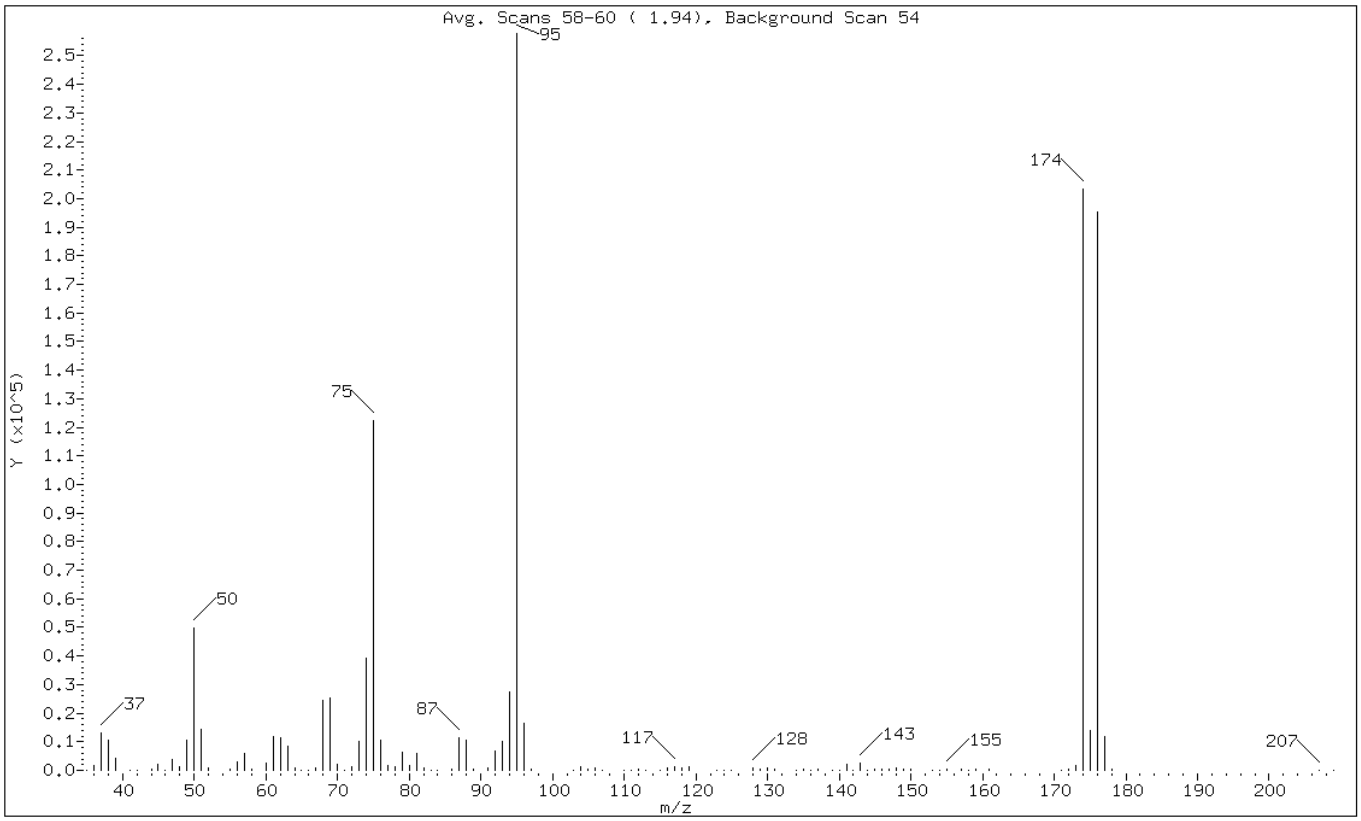
Data File: b25816.d

Date: 22-SEP-2009 08:11

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 19.31 |
| 75 | 30.00 - 60.00% of mass 95 | 47.47 |
| 96 | 5.00 - 9.00% of mass 95 | 6.38 |
| 173 | Less than 2.00% of mass 174 | 0.68 ( 0.87) |
| 174 | 50.00 - 100.00% of mass 95 | 78.95 |
| 175 | 5.00 - 9.00% of mass 174 | 5.32 ( 6.74) |
| 176 | 95.00 - 101.00% of mass 174 | 75.74 ( 95.94) |
| 177 | 5.00 - 9.00% of mass 176 | 4.59 ( 6.06) |

Data File: b25816.d

Date: 22-SEP-2009 08:11

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25816.d
Spectrum: Avg. Scans 58-60 ( 1.94), Background Scan 54
Location of Maximum: 95.00
Number of points: 110

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 35.00 | 45 | 68.00 | 24552 | 103.00 | 125 | 142.00 | 193 |
| 36.00 | 1854 | 69.00 | 25112 | 104.00 | 1089 | 143.00 | 2498 |
| 37.00 | 13092 | 70.00 | 2000 | 105.00 | 268 | 144.00 | 150 |
| 38.00 | 10695 | 71.00 | 42 | 106.00 | 953 | 145.00 | 226 |
| 39.00 | 4292 | 72.00 | 1383 | 107.00 | 210 | 146.00 | 379 |
| 41.00 | 74 | 73.00 | 10315 | 110.00 | 117 | 147.00 | 212 |
| 42.00 | 205 | 74.00 | 39128 | 111.00 | 101 | 148.00 | 739 |
| 44.00 | 419 | 75.00 | 122368 | 112.00 | 219 | 149.00 | 239 |
| 45.00 | 2014 | 76.00 | 10637 | 113.00 | 169 | 150.00 | 248 |
| 46.00 | 47 | 77.00 | 1635 | 115.00 | 170 | 153.00 | 125 |
| 47.00 | 3695 | 78.00 | 1176 | 116.00 | 697 | 154.00 | 159 |
| 48.00 | 1351 | 79.00 | 6321 | 117.00 | 1407 | 155.00 | 553 |
| 49.00 | 10698 | 80.00 | 1846 | 118.00 | 978 | 157.00 | 377 |
| 50.00 | 49784 | 81.00 | 5857 | 119.00 | 1142 | 158.00 | 56 |
| 51.00 | 14285 | 82.00 | 996 | 123.00 | 33 | 159.00 | 273 |
| 52.00 | 886 | 83.00 | 154 | 124.00 | 207 | 161.00 | 351 |
| 55.00 | 427 | 84.00 | 40 | 125.00 | 140 | 171.00 | 42 |
| 56.00 | 2916 | 86.00 | 424 | 128.00 | 688 | 172.00 | 334 |
| 57.00 | 5895 | 87.00 | 11336 | 129.00 | 292 | 173.00 | 1763 |
| 58.00 | 488 | 88.00 | 10680 | 130.00 | 647 | 174.00 | 203456 |
| 60.00 | 2485 | 89.00 | 312 | 131.00 | 295 | 175.00 | 13714 |
| 61.00 | 11828 | 91.00 | 825 | 134.00 | 69 | 176.00 | 195200 |
| 62.00 | 11383 | 92.00 | 6545 | 135.00 | 388 | 177.00 | 11828 |
| 63.00 | 8482 | 93.00 | 10083 | 136.00 | 38 | 178.00 | 337 |
| 64.00 | 1019 | 94.00 | 27496 | 137.00 | 355 | 207.00 | 148 |
| 65.00 | 147 | 95.00 | 257792 | 139.00 | 44 | 209.00 | 40 |
| 66.00 | 68 | 96.00 | 16432 | 140.00 | 155 | | |
| 67.00 | 704 | 97.00 | 631 | 141.00 | 2085 | | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25838.d
Report Date: 22-Sep-2009 20:14

TestAmerica

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25838.d
Lab Smp Id: BFB
Inj Date : 22-SEP-2009 20:01
Operator : VOAMS 1 Inst ID: VOAMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/VOABFB.m
Meth Date : 05-Apr-2009 14:55 sylvanus Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

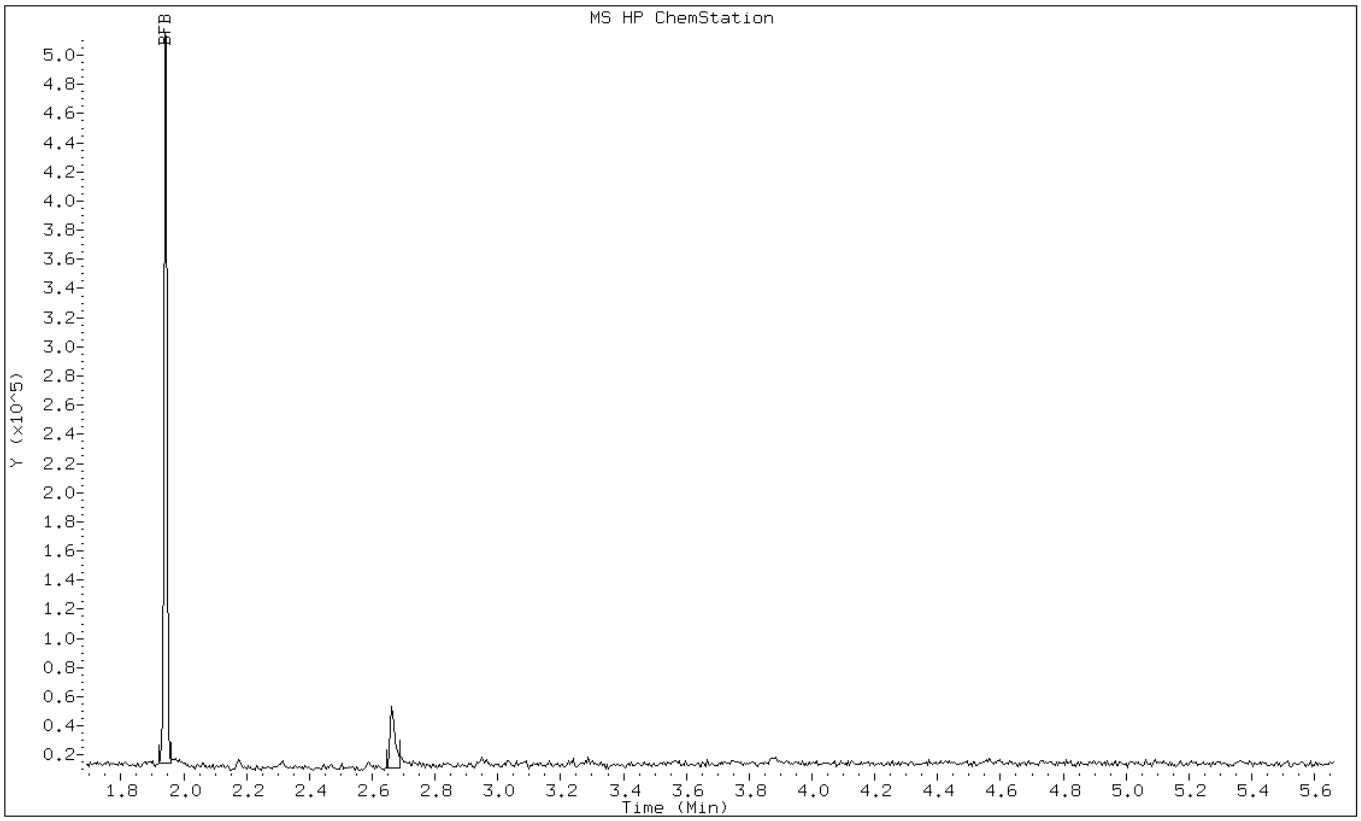
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 1.940 | 1.900 (0.000) | 95 | 105888 | | | 0.00- 100.00 | 100.00 |
| 1.940 | 1.900 (0.000) | 50 | 21400 | | | 15.00- 40.00 | 20.21 |
| 1.940 | 1.900 (0.000) | 75 | 49960 | | | 30.00- 60.00 | 47.18 |
| 1.940 | 1.900 (0.000) | 96 | 7252 | | | 5.00- 9.00 | 6.85 |
| 1.940 | 1.900 (0.000) | 173 | 540 | | | 0.00- 2.00 | 0.64 |
| 1.940 | 1.900 (0.000) | 174 | 83936 | | | 50.00- 100.00 | 79.27 |
| 1.940 | 1.900 (0.000) | 175 | 5590 | | | 5.00- 9.00 | 6.66 |
| 1.940 | 1.900 (0.000) | 176 | 80032 | | | 95.00- 101.00 | 95.35 |
| 1.940 | 1.900 (0.000) | 177 | 4171 | | | 5.00- 9.00 | 5.21 |

Data File: b25838.d

Date: 22-SEP-2009 20:01

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1



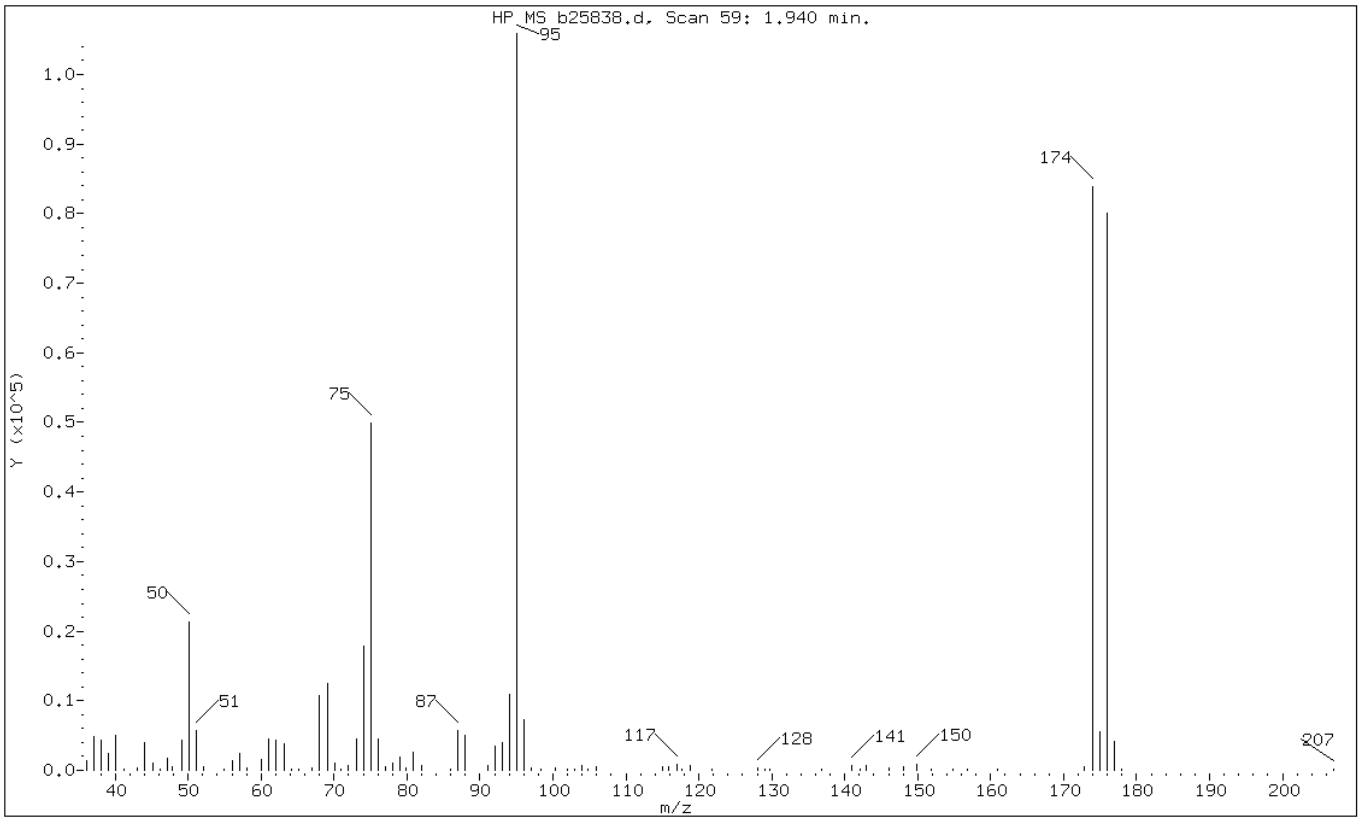
Data File: b25838.d

Date: 22-SEP-2009 20:01

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 20.21 |
| 75 | 30.00 - 60.00% of mass 95 | 47.18 |
| 96 | 5.00 - 9.00% of mass 95 | 6.85 |
| 173 | Less than 2.00% of mass 174 | 0.51 ( 0.64) |
| 174 | 50.00 - 100.00% of mass 95 | 79.27 |
| 175 | 5.00 - 9.00% of mass 174 | 5.28 ( 6.66) |
| 176 | 95.00 - 101.00% of mass 174 | 75.58 ( 95.35) |
| 177 | 5.00 - 9.00% of mass 176 | 3.94 ( 5.21) |

Data File: b25838.d

Date: 22-SEP-2009 20:01

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25838.d
Spectrum: HP MS b25838.d, Scan 59: 1.940 min.
Location of Maximum: 95.10
Number of points: 86

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.10 | 1473 | 62.00 | 4350 | 88.00 | 5001 | 129.10 | 231 |
| 37.10 | 4845 | 63.10 | 3882 | 91.10 | 708 | 129.70 | 112 |
| 38.10 | 4367 | 64.10 | 239 | 92.10 | 3501 | 136.90 | 112 |
| 39.10 | 2410 | 65.10 | 110 | 93.00 | 4058 | 141.00 | 683 |
| 40.00 | 5089 | 66.90 | 392 | 94.00 | 10979 | 142.10 | 159 |
| 41.20 | 223 | 68.00 | 10768 | 95.10 | 105888 | 143.00 | 678 |
| 43.00 | 423 | 69.10 | 12541 | 96.00 | 7252 | 146.00 | 429 |
| 44.00 | 4070 | 70.10 | 1075 | 97.10 | 396 | 148.00 | 545 |
| 45.10 | 996 | 71.00 | 100 | 98.30 | 165 | 149.90 | 787 |
| 46.10 | 153 | 71.90 | 739 | 100.30 | 418 | 151.90 | 126 |
| 47.10 | 1648 | 73.10 | 4536 | 102.00 | 230 | 154.80 | 130 |
| 47.90 | 573 | 74.10 | 17888 | 103.00 | 165 | 156.80 | 174 |
| 49.10 | 4281 | 75.10 | 49960 | 103.90 | 636 | 160.90 | 105 |
| 50.10 | 21400 | 76.00 | 4499 | 104.80 | 151 | 172.90 | 540 |
| 51.10 | 5646 | 77.10 | 496 | 105.90 | 535 | 174.00 | 83936 |
| 52.10 | 600 | 78.00 | 986 | 115.00 | 574 | 175.00 | 5590 |
| 55.00 | 249 | 79.00 | 1869 | 115.90 | 539 | 176.00 | 80032 |
| 56.00 | 1466 | 79.80 | 391 | 117.00 | 791 | 177.00 | 4171 |
| 57.00 | 2450 | 80.90 | 2624 | 117.70 | 203 | 178.00 | 241 |
| 58.00 | 293 | 82.00 | 621 | 118.90 | 658 | 207.00 | 112 |
| 60.00 | 1518 | 85.90 | 124 | 121.80 | 161 | | |
| 61.00 | 4527 | 87.00 | 5666 | 128.00 | 418 | | |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-17535/4

Matrix: Water | Lab File ID: b25792.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/21/2009 20:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 88 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 87 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 89 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25792.d
Report Date: 21-Sep-2009 22:00

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25792.d
Lab Smp Id: MB
Inj Date : 21-SEP-2009 20:11
Operator : Inst ID: VOAMS2.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

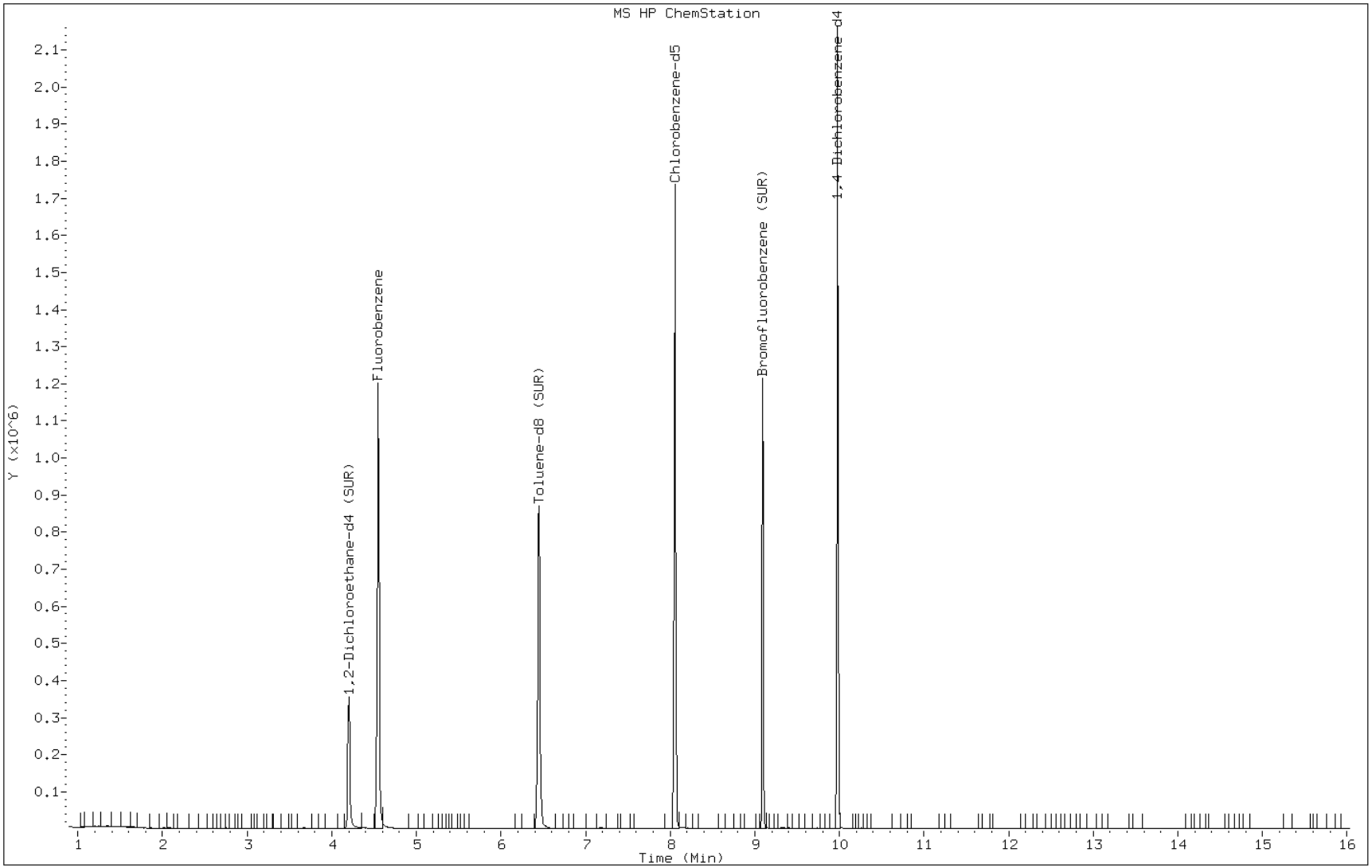
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 219793 | 44.1145 | 44 |
| * 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1031045 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 650965 | 44.6686 | 45 |
| * 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 770057 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 251222 | 43.5428 | 44 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 373244 | 50.0000 | |

Data File: b25792.d

Date: 21-SEP-2009 20:11

Client ID: Instrument: VOAMS2.i

Sample Info: MB Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-17611/4

Matrix: Water | Lab File ID: b25821.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 10:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17611 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 88 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 87 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 90 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25821.d
Report Date: 22-Sep-2009 11:02

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25821.d
Lab Smp Id: MB
Inj Date : 22-SEP-2009 10:36
Operator : Inst ID: VOAMS2.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/8260_09.m
Meth Date : 22-Sep-2009 09:33 desais Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

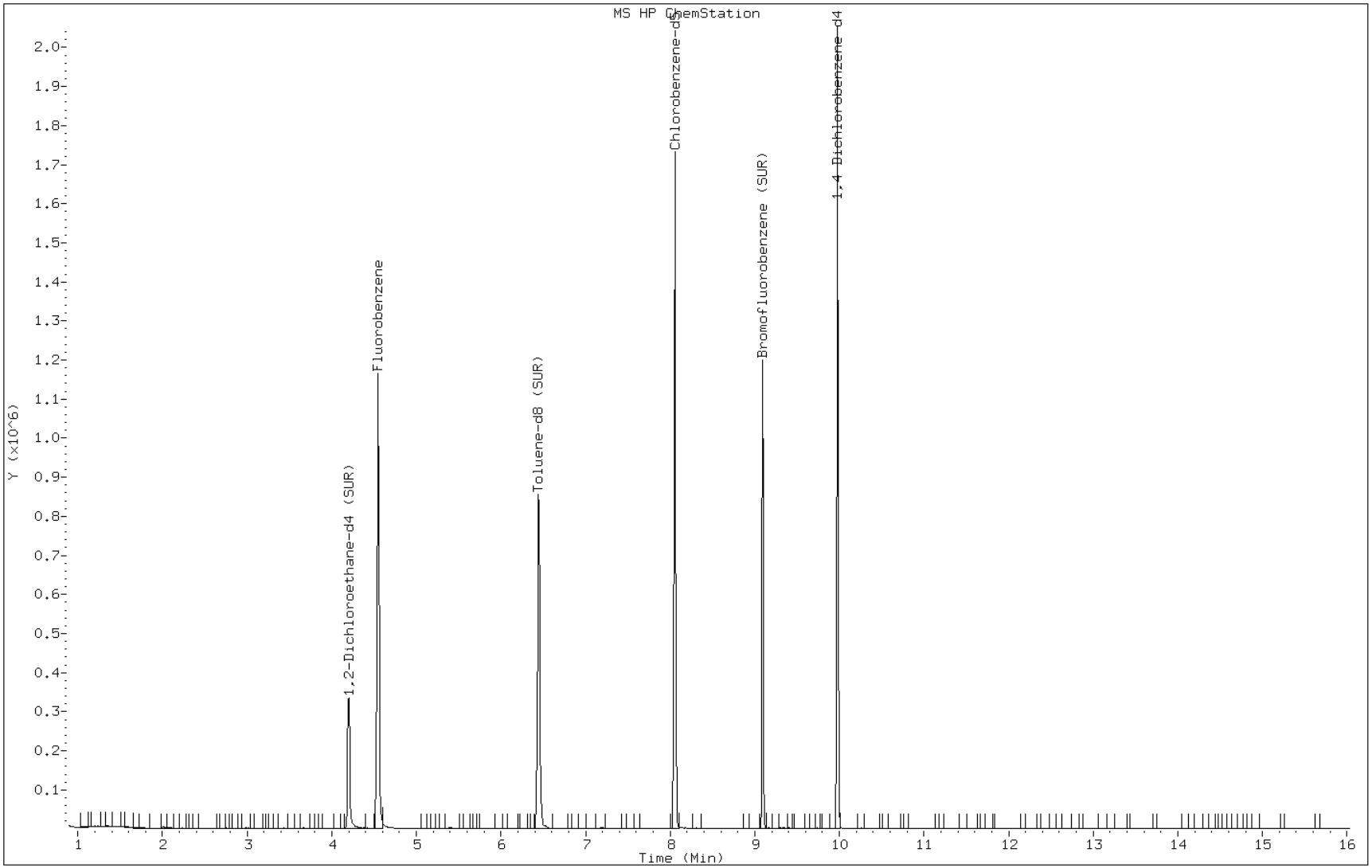
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.204 | 4.195 | (0.924) | 214420 | 44.0773 | 44 |
| * 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1006689 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.442 | 6.442 | (0.800) | 640011 | 44.8087 | 45 |
| * 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 754732 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 247722 | 43.4256 | 43 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 369038 | 50.0000 | |

Data File: b25821.d

Date: 22-SEP-2009 10:36

Client ID: Instrument: VOAMS2.i

Sample Info: MB Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-17679/4

Matrix: Water Lab File ID: b25843.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/22/2009 22:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17679 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 89 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 87 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 91 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25843.d
Report Date: 22-Sep-2009 23:38

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25843.d
Lab Smp Id: MB
Inj Date : 22-SEP-2009 22:28
Operator : Inst ID: VOAMS2.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/8260_09.m
Meth Date : 22-Sep-2009 21:52 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

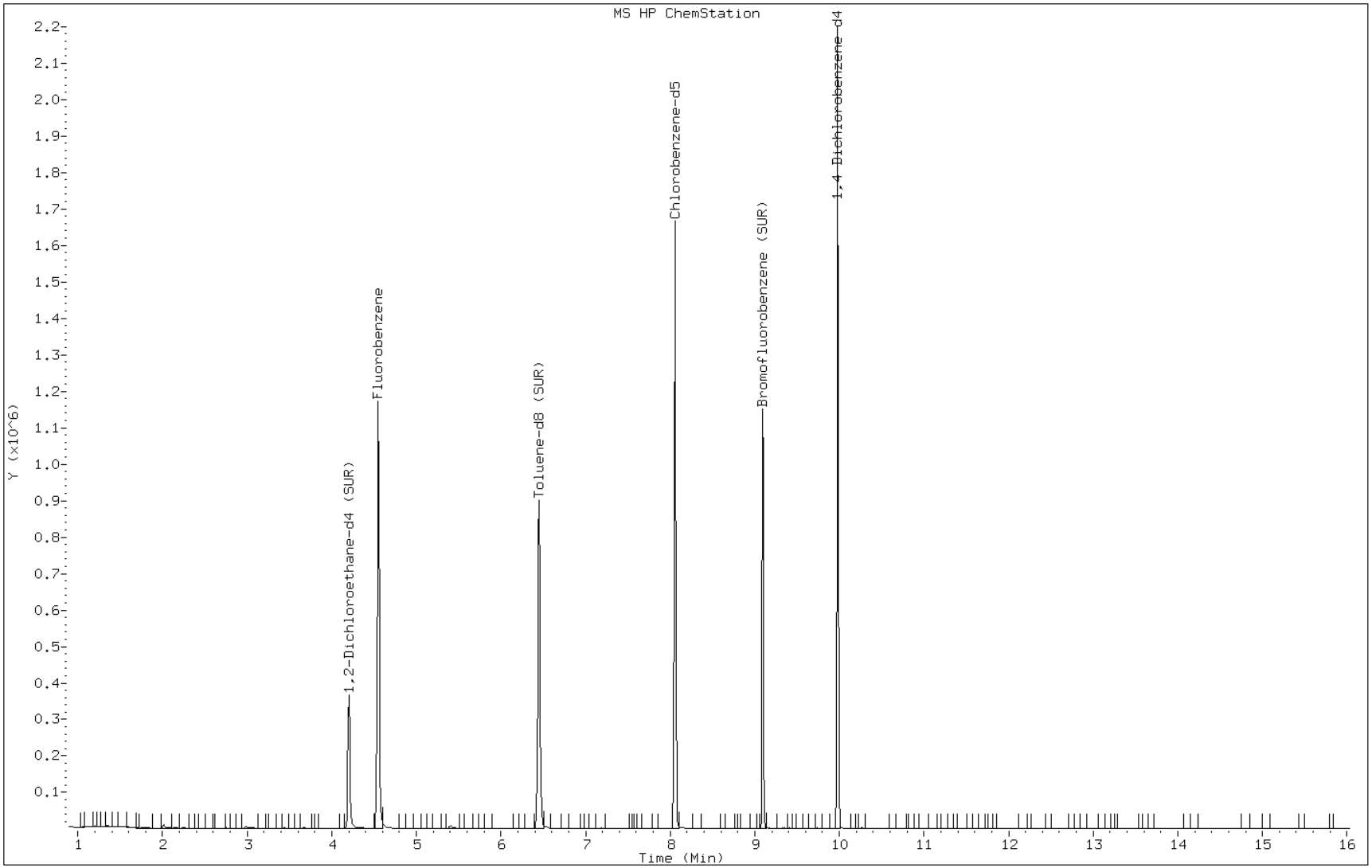
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.204 | 4.203 | (0.924) | 217888 | 44.6939 | 45 |
| * 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1008857 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 650097 | 45.3895 | 45 |
| * 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 756815 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 250426 | 43.7247 | 44 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 370514 | 50.0000 | |

Data File: b25843.d

Date: 22-SEP-2009 22:28

Client ID: Instrument: VOAMS2.i

Sample Info: MB Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-17535/3

Matrix: Water | Lab File ID: b25789.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/21/2009 18:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 18.9 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 19.6 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 18.5 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 19.0 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 19.3 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 19.5 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 59.0 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 86 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 90 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 90 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25789.d
Report Date: 21-Sep-2009 19:10

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25789.d
Lab Smp Id: LCS
Inj Date : 21-SEP-2009 18:41
Operator : Inst ID: VOAMS2.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 2 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 68026 | 15.6592 | 16 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 106904 | 16.8028 | 17 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 118423 | 19.9946 | 20 |
| 6 Bromomethane | 94 | 1.340 | 1.331 | (0.294) | 63435 | 20.9718 | 21 |
| 5 Chloroethane | 64 | 1.414 | 1.405 | (0.311) | 67412 | 20.1519 | 20 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 130529 | 17.8499 | 18 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 13820 | 14.9967 | 15 |
| 10 Isoprene | 67 | 1.809 | 1.800 | (0.398) | 117860 | 16.8245 | 17 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 81656 | 18.2030 | 18 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 7628 | 37.9417 | 38 |
| 15 1,1-Dichloroethene | 96 | 1.949 | 1.948 | (0.428) | 76807 | 20.0271 | 20 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 76561 | 15.7412 | 16 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 10538 | 19.6050 | 20 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 114702 | 15.1916 | 15 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25789.d
Report Date: 21-Sep-2009 19:10

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.461) | 263719 | 16.4292 | 16 |
| | 19 Isopropanol | 45 | 2.146 | 2.146 | (0.472) | 557903 | 2636.65 | 2600 |
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 41871 | 341.320 | 340 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 38983 | 19.3537 | 19 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 97450 | 18.9290 | 19 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 154142 | 320.083 | 320 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 91983 | 18.0920 | 18 |
| | 26 Acrylonitrile | 53 | 2.533 | 2.533 | (0.557) | 42405 | 17.8138 | 18 |
| | 28 MTBE | 73 | 2.541 | 2.541 | (0.559) | 271035 | 17.1913 | 17 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 58534 | 17.5733 | 18 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 165869 | 18.8100 | 19 |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.952 | (0.651) | 161719 | 13.1462 | 13 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 281537 | 18.0594 | 18 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 295441 | 18.2055 | 18 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 123935 | 19.5464 | 20 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 107687 | 18.4724 | 18 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 13302 | 18.1291 | 18 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 23745 | 35.3061 | 35 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 55005 | 18.1013 | 18 |
| | 41 Tetrahydrofuran | 42 | 3.669 | 3.668 | (0.806) | 33978 | 19.9165 | 20 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 168554 | 18.6728 | 19 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 127319 | 18.2991 | 18 |
| | 44 Cyclohexane | 56 | 3.907 | 3.899 | (0.859) | 143577 | 16.8609 | 17 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 104063 | 16.1144 | 16 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 121159 | 18.1994 | 18 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 221988 | 43.0229 | 43 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 386375 | 19.0443 | 19 |
| | 49 1,2-Dichloroethane | 62 | 4.278 | 4.277 | (0.940) | 127921 | 18.2584 | 18 |
| | 50 t-Amyl-methyl-ether | 73 | 4.385 | 4.384 | (0.964) | 285145 | 18.0685 | 18 |
| | 61 Isopropyl Acetate | 43 | 4.385 | 4.384 | (0.964) | 470733 | 35.7709 | 36 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1067766 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 98311 | 18.4622 | 18 |
| | 53 n-Butanol | 56 | 4.977 | 4.977 | (1.094) | 124204 | 1317.84 | 1300 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 143360 | 16.5363 | 16 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 256439 | 18.1281 | 18 |
| | 57 1,2-Dichloropropane | 63 | 5.207 | 5.207 | (1.145) | 102818 | 19.2484 | 19 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 69250 | 18.5223 | 18 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 30288 | 17.5807 | 18 |
| | 75 Propyl Acetate | 43 | 5.496 | 5.504 | (1.208) | 314506 | 35.7259 | 36 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.222) | 129224 | 18.1085 | 18 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.973 | (1.315) | 73710 | 17.5394 | 18 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.039 | (0.750) | 194723 | 354.205 | 350 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 160495 | 20.0204 | 20 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 103317 | 18.8301 | 19 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 676582 | 44.9602 | 45 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 414189 | 19.3359 | 19 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 142969 | 18.8298 | 19 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25789.d
Report Date: 21-Sep-2009 19:10

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 69 1,1,2-Trichloroethane | 83 | 7.076 | 7.076 | (0.878) | 82363 | 19.9148 | 20 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 104198 | 19.5129 | 20 |
| | 72 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 163682 | 19.6051 | 20 |
| | 73 2-Hexanone | 43 | 7.397 | 7.396 | (0.918) | 72949 | 18.3482 | 18 |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 102511 | 18.9480 | 19 |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 62227 | 37.5371 | 38 |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 104483 | 19.1442 | 19 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 795171 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 262457 | 19.3447 | 19 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 88468 | 19.1160 | 19 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 136760 | 19.5268 | 20 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 338289 | 39.5437 | 40 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 161493 | 19.4456 | 19 |
| | 85 Styrene | 104 | 8.672 | 8.680 | (1.077) | 288812 | 19.5996 | 20 |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 85001 | 19.8252 | 20 |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 71484 | 16.0651 | 16 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 61819 | 21.8715 | 22 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 411890 | 20.9515 | 21 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 267005 | 44.7815 | 45 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 142463 | 19.1204 | 19 |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 115976 | 19.4539 | 19 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 131606 | 20.1781 | 20 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 38906 | 19.6638 | 20 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 39260 | 20.0783 | 20 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 504998 | 20.8666 | 21 |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 291764 | 20.0773 | 20 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 335968 | 20.3347 | 20 |
| | 98 4-Chlorotoluene | 91 | 9.446 | 9.446 | (0.946) | 350729 | 20.6501 | 21 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 122223 | 19.5029 | 20 |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 278109 | 19.9189 | 20 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 339165 | 19.9403 | 20 |
| | 102 2-Octanone | 43 | 9.833 | 9.832 | (0.985) | 160732 | 23.8311 | 24 |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 416377 | 20.5398 | 20 |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 28423 | 10.4076 | 10 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 209534 | 19.9049 | 20 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 350453 | 20.2976 | 20 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 385721 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 217827 | 20.0388 | 20 |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 193765 | 18.7696 | 19 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 327147 | 20.5771 | 20 |
| | 111 1,2-Dichlorobenzene | 146 | 10.261 | 10.260 | (1.028) | 190007 | 19.0725 | 19 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 18220 | 17.5718 | 18 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 36499 | 76.9216 | 77 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.372 | 11.371 | (1.139) | 113032 | 18.6249 | 19 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 36146 | 15.4890 | 15 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 277198 | 18.6070 | 19 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 89443 | 17.8495 | 18 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25789.d
Report Date: 21-Sep-2009 19:10

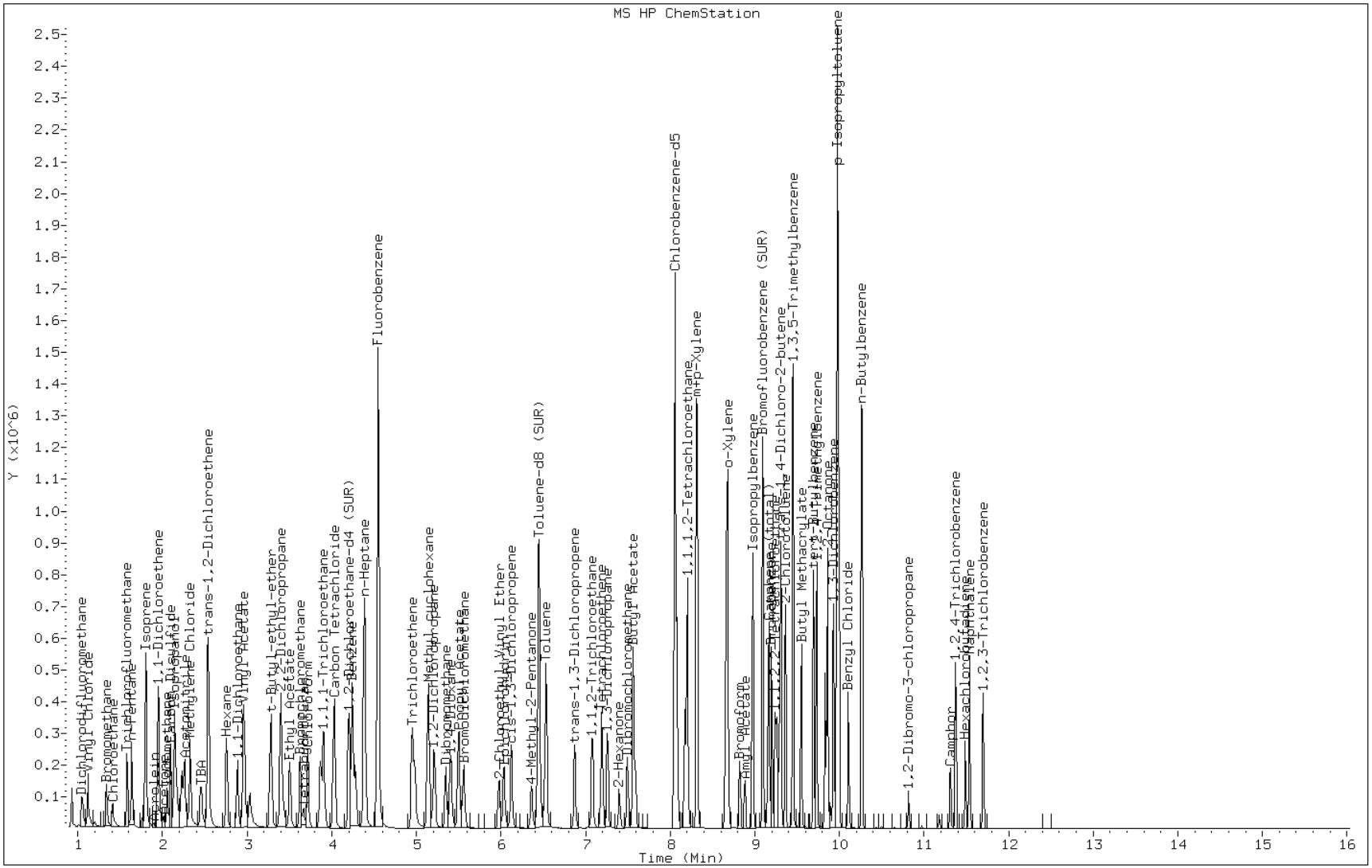
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 199670 | 36.5904 | 36 |
| M 121 Xylene (Total) | 100 | | | | 499782 | 58.9957 | 59 |

Data File: b25789.d

Date: 21-SEP-2009 18:41

Client ID: Instrument: VOAMS2.i

Sample Info: LCS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-17611/3

Matrix: Water Lab File ID: b25819.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/22/2009 09:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17611 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 19.6 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 18.5 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 18.8 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 19.4 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 19.6 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 19.6 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 59.8 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 85 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 89 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 90 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25819.d
Report Date: 22-Sep-2009 10:40

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25819.d
Lab Smp Id: LCS
Inj Date : 22-SEP-2009 09:44
Operator : Inst ID: VOAMS2.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/8260_09.m
Meth Date : 22-Sep-2009 09:33 desais Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 59808 | 14.2690 | 14 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 73822 | 12.0258 | 12 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 95479 | 16.7079 | 17 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 45283 | 15.5159 | 16 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 59350 | 18.3881 | 18 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 115656 | 16.3921 | 16 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 13447 | 15.1227 | 15 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 115491 | 17.0868 | 17 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 78548 | 18.1480 | 18 |
| 13 Acrolein | 56 | 1.899 | 1.891 | (0.417) | 6140 | 31.6493 | 32 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 74409 | 20.1085 | 20 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 73032 | 15.5626 | 16 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 9610 | 18.5310 | 18 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 101965 | 13.9966 | 14 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25819.d
Report Date: 22-Sep-2009 10:40

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 263116 | 16.9887 | 17 |
| | 19 Isopropanol | 45 | 2.146 | 2.146 | (0.472) | 323044 | 1582.32 | 1600 |
| | 21 Acetonitrile | 39 | 2.228 | 2.220 | (0.490) | 34447 | 291.027 | 290 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 34920 | 17.9682 | 18 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 97349 | 19.5981 | 20 |
| | 24 TBA | 59 | 2.450 | 2.450 | (0.539) | 98781 | 212.594 | 210 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 90737 | 18.4970 | 18 |
| | 26 Acrylonitrile | 53 | 2.533 | 2.533 | (0.557) | 31991 | 13.9285 | 14 |
| | 28 MTBE | 73 | 2.541 | 2.541 | (0.559) | 261867 | 17.2148 | 17 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 56800 | 17.6738 | 18 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 163108 | 19.1706 | 19 |
| | 31 Vinyl Acetate | 43 | 2.952 | 2.952 | (0.649) | 159900 | 13.4718 | 13 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 277066 | 18.4200 | 18 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 286447 | 18.2943 | 18 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 117280 | 19.1706 | 19 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 105670 | 18.7867 | 19 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 10450 | 14.7609 | 15 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 20627 | 31.7870 | 32 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.619 | (0.797) | 54875 | 18.7164 | 19 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 30287 | 18.3992 | 18 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 167009 | 19.1756 | 19 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 126280 | 18.8108 | 19 |
| | 44 Cyclohexane | 56 | 3.899 | 3.899 | (0.857) | 138708 | 16.8825 | 17 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 102946 | 16.5222 | 16 |
| | 46 1,1-Dichloropropene | 75 | 4.030 | 4.031 | (0.886) | 117820 | 18.3425 | 18 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.195 | 4.195 | (0.922) | 210981 | 42.3790 | 42 |
| | 48 Benzene | 78 | 4.236 | 4.236 | (0.526) | 379672 | 19.4358 | 19 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 126042 | 18.6455 | 19 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 275271 | 18.0782 | 18 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 435528 | 34.3012 | 34 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1030239 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.944 | 4.944 | (1.087) | 96720 | 18.8250 | 19 |
| | 53 n-Butanol | 56 | 4.977 | 4.977 | (1.094) | 73024 | 838.318 | 840 |
| | 56 Methyl cyclohexane | 83 | 5.141 | 5.142 | (1.130) | 139008 | 16.6184 | 17 |
| | 55 Ethyl Acrylate | 55 | 5.133 | 5.133 | (1.128) | 240508 | 17.6211 | 18 |
| | 57 1,2-Dichloropropane | 63 | 5.207 | 5.207 | (1.145) | 100793 | 19.5566 | 20 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 66670 | 18.4818 | 18 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 27154 | 16.3359 | 16 |
| | 75 Propyl Acetate | 43 | 5.495 | 5.495 | (1.208) | 280636 | 33.0397 | 33 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 128533 | 18.6678 | 19 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.973 | 5.973 | (1.313) | 64505 | 15.9082 | 16 |
| | 63 Epichlorohydrin | 57 | 6.030 | 6.030 | (0.749) | 157396 | 297.351 | 300 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 156052 | 20.2170 | 20 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.359 | 6.360 | (0.790) | 92211 | 17.4543 | 17 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.442 | 6.442 | (0.800) | 654688 | 45.1834 | 45 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 403746 | 19.5755 | 20 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 137835 | 18.8540 | 19 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25819.d
Report Date: 22-Sep-2009 10:40

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 69 1,1,2-Trichloroethane | 83 | 7.075 | 7.075 | (0.878) | 78800 | 19.7882 | 20 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 100431 | 19.5329 | 20 |
| | 72 1,3-Dichloropropane | 76 | 7.256 | 7.257 | (0.901) | 156023 | 19.4086 | 19 |
| | 73 2-Hexanone | 43 | 7.396 | 7.396 | (0.918) | 61696 | 16.1165 | 16 |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 100856 | 19.3611 | 19 |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 54247 | 33.9859 | 34 |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 99577 | 18.9491 | 19 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 765637 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.079 | 8.080 | (1.003) | 255228 | 19.5375 | 20 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.170 | 8.170 | (1.014) | 86131 | 19.3289 | 19 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 132020 | 19.5771 | 20 |
| | 82 m+p-Xylene | 106 | 8.310 | 8.310 | (1.032) | 329233 | 39.9697 | 40 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 158173 | 19.7805 | 20 |
| | 85 Styrene | 104 | 8.672 | 8.672 | (1.077) | 277983 | 19.5924 | 20 |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 80033 | 19.3866 | 19 |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 65403 | 15.2655 | 15 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 57505 | 21.3488 | 21 |
| | 88 Isopropylbenzene | 105 | 8.976 | 8.977 | (1.114) | 394125 | 20.8211 | 21 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 253549 | 44.6222 | 45 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 134254 | 18.7137 | 19 |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 112608 | 19.8206 | 20 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 121238 | 19.5054 | 20 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 35399 | 18.7736 | 19 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.281 | (0.931) | 33729 | 18.1010 | 18 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 486251 | 21.0830 | 21 |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 280510 | 20.2550 | 20 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 322193 | 20.4629 | 20 |
| | 98 4-Chlorotoluene | 91 | 9.446 | 9.446 | (0.946) | 336836 | 20.8104 | 21 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 117779 | 19.7207 | 20 |
| | 100 tert-Butylbenzene | 119 | 9.692 | 9.693 | (0.971) | 263426 | 19.7979 | 20 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 323788 | 19.9752 | 20 |
| | 102 2-Octanone | 43 | 9.832 | 9.832 | (0.985) | 134298 | 20.8940 | 21 |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 398013 | 20.6023 | 21 |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 20459 | 7.86396 | 7.9 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 199609 | 19.8974 | 20 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 339294 | 20.6206 | 21 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 367589 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 208708 | 20.1469 | 20 |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 168706 | 17.1483 | 17 |
| | 106 n-Butylbenzene | 91 | 10.260 | 10.260 | (1.028) | 311883 | 20.5847 | 20 |
| | 111 1,2-Dichlorobenzene | 146 | 10.260 | 10.260 | (1.028) | 182009 | 19.1708 | 19 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 15336 | 15.5200 | 16 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 24065 | 53.2188 | 53 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 106417 | 18.3998 | 18 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 34307 | 15.4260 | 15 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 238536 | 16.8016 | 17 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 81273 | 17.0191 | 17 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25819.d
Report Date: 22-Sep-2009 10:40

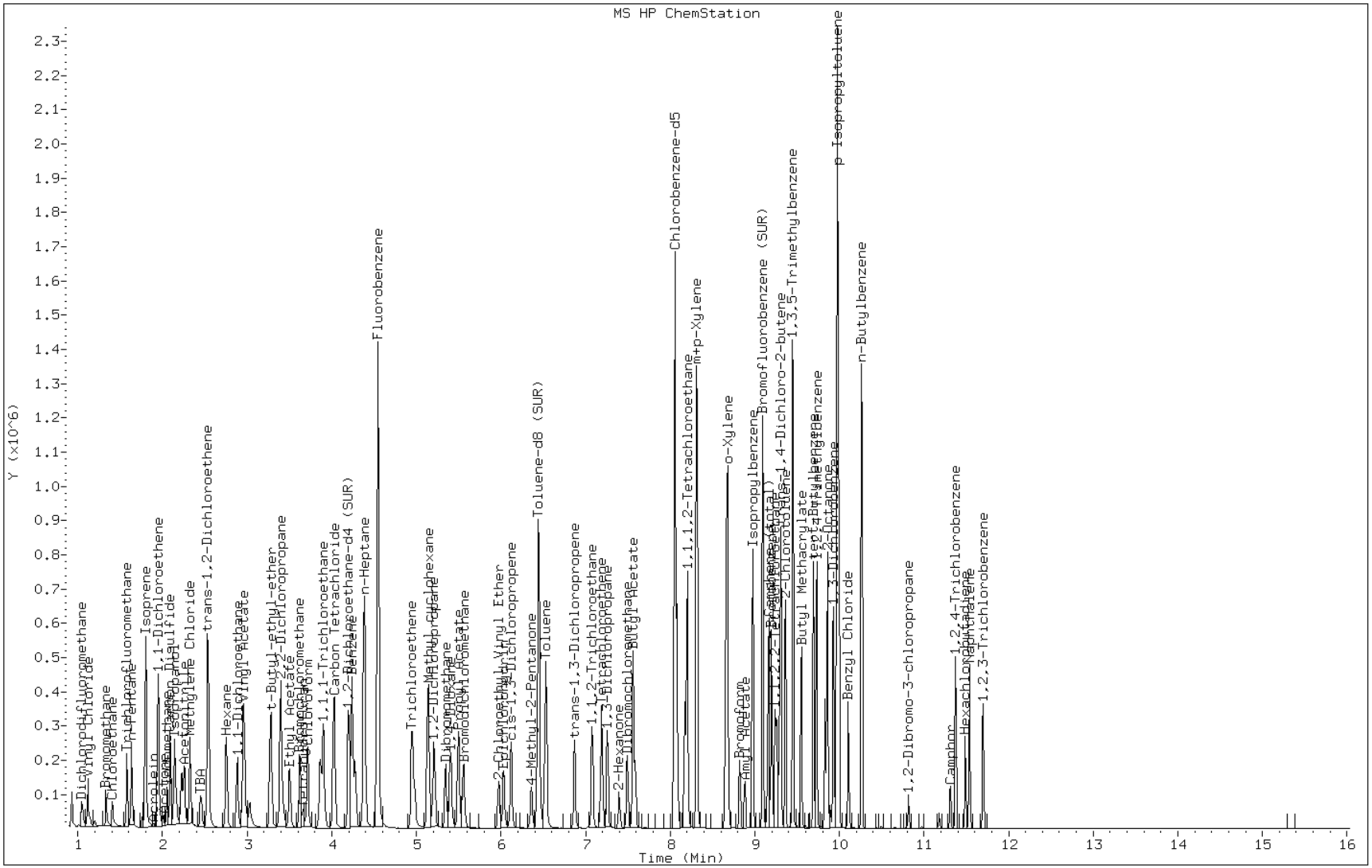
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 196407 | 37.3035 | 37 |
| M 121 Xylene (Total) | 100 | | | | 487406 | 59.7542 | 60 |

Data File: b25819.d

Date: 22-SEP-2009 09:44

Client ID: Instrument: VOAMS2.i

Sample Info: LCS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-17679/3

Matrix: Water | Lab File ID: b25841.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 21:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17679 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 19.6 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 28.0 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 19.0 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 19.5 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 19.7 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 19.7 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 59.9 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 87 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 89 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 90 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25841.d
Report Date: 22-Sep-2009 21:53

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25841.d
Lab Smp Id: LCS
Inj Date : 22-SEP-2009 21:27
Operator : Inst ID: VOAMS2.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/8260_09.m
Meth Date : 22-Sep-2009 21:52 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 61677 | 14.5083 | 14 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 82345 | 13.2260 | 13 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 107128 | 18.4833 | 18 |
| 6 Bromomethane | 94 | 1.340 | 1.331 | (0.294) | 61456 | 20.7618 | 21 |
| 5 Chloroethane | 64 | 1.414 | 1.405 | (0.311) | 61974 | 18.9317 | 19 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 125023 | 17.4711 | 17 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 13156 | 14.5886 | 14 |
| 10 Isoprene | 67 | 1.809 | 1.800 | (0.398) | 114388 | 16.6861 | 17 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 84110 | 19.1603 | 19 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 6879 | 34.9628 | 35 |
| 15 1,1-Dichloroethene | 96 | 1.949 | 1.948 | (0.428) | 74143 | 19.7555 | 20 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 72597 | 15.2528 | 15 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 14753 | 28.0467 | 28 |
| 17 Iodomethane | 142 | 2.056 | 2.055 | (0.452) | 99665 | 13.4889 | 13 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25841.d
Report Date: 22-Sep-2009 21:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.461) | 260114 | 16.5592 | 16 |
| | 19 Isopropanol | 45 | 2.146 | 2.146 | (0.472) | 606065 | 2926.94 | 2900 |
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 45783 | 381.373 | 380 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 41744 | 21.1779 | 21 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 98921 | 19.6352 | 20 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 161873 | 343.492 | 340 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 90947 | 18.2797 | 18 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 45457 | 19.5139 | 20 |
| | 28 MTBE | 73 | 2.541 | 2.549 | (0.559) | 279132 | 18.0923 | 18 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 56849 | 17.4411 | 17 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 165225 | 19.1469 | 19 |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.952 | (0.651) | 169311 | 14.0645 | 14 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 291942 | 19.1366 | 19 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 300234 | 18.9057 | 19 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.389 | (0.747) | 119776 | 19.3038 | 19 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 106509 | 18.6702 | 19 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 14998 | 20.8873 | 21 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 25803 | 39.2044 | 39 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 55759 | 18.7511 | 19 |
| | 41 Tetrahydrofuran | 42 | 3.669 | 3.668 | (0.806) | 35694 | 21.3797 | 21 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 172399 | 19.5167 | 20 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 127890 | 18.7833 | 19 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 140706 | 16.8854 | 17 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 106006 | 16.7744 | 17 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.030 | (0.886) | 120134 | 18.4403 | 18 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 219395 | 43.4506 | 43 |
| | 48 Benzene | 78 | 4.245 | 4.244 | (0.527) | 390584 | 19.4853 | 19 |
| | 49 1,2-Dichloroethane | 62 | 4.278 | 4.277 | (0.940) | 131571 | 19.1903 | 19 |
| | 50 t-Amyl-methyl-ether | 73 | 4.385 | 4.384 | (0.964) | 294332 | 19.0588 | 19 |
| | 61 Isopropyl Acetate | 43 | 4.385 | 4.384 | (0.964) | 500781 | 38.8869 | 39 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1044903 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 99137 | 19.0247 | 19 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 138720 | 1480.15 | 1500 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.141 | (1.130) | 139195 | 16.4072 | 16 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.141 | (1.130) | 263511 | 19.0356 | 19 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.207 | (1.147) | 104917 | 20.0710 | 20 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 70220 | 19.1929 | 19 |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.405 | (1.190) | 32791 | 19.4502 | 19 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 334834 | 38.8673 | 39 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.222) | 133344 | 19.0948 | 19 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 75672 | 18.4005 | 18 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.038 | (0.750) | 203557 | 374.769 | 370 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 160668 | 20.2851 | 20 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.359 | (0.790) | 109178 | 20.1397 | 20 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 671635 | 45.1729 | 45 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 417662 | 19.7346 | 20 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 143614 | 19.1442 | 19 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25841.d
Report Date: 22-Sep-2009 21:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 83057 | 20.3263 | 20 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 102480 | 19.4241 | 19 |
| | 72 1,3-Dichloropropane | 76 | 7.257 | 7.256 | (0.901) | 167365 | 20.2894 | 20 |
| | 73 2-Hexanone | 43 | 7.397 | 7.396 | (0.918) | 78216 | 19.9117 | 20 |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 105442 | 19.7262 | 20 |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 64975 | 39.6707 | 40 |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 106892 | 19.8232 | 20 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 785638 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.079 | (1.003) | 265447 | 19.8025 | 20 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 89189 | 19.5057 | 20 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 136492 | 19.7249 | 20 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 339714 | 40.1921 | 40 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 161965 | 19.7391 | 20 |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.078) | 289871 | 19.9101 | 20 |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 84525 | 19.9534 | 20 |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 71085 | 16.1692 | 16 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 63339 | 22.6351 | 23 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.976 | (1.114) | 410164 | 21.1168 | 21 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 261792 | 44.3501 | 44 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 138312 | 18.7886 | 19 |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 117128 | 19.8453 | 20 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 138393 | 21.4327 | 21 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 40347 | 20.5979 | 20 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 37763 | 19.5077 | 20 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 501423 | 20.9280 | 21 |
| | 96 2-Chlorotoluene | 91 | 9.364 | 9.363 | (0.938) | 293443 | 20.3966 | 20 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 333041 | 20.3609 | 20 |
| | 98 4-Chlorotoluene | 91 | 9.454 | 9.454 | (0.947) | 346166 | 20.5871 | 20 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 124628 | 20.0872 | 20 |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.692 | (0.971) | 269673 | 19.5096 | 20 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 335767 | 19.9397 | 20 |
| | 102 2-Octanone | 43 | 9.833 | 9.832 | (0.985) | 157992 | 23.6611 | 24 |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 409900 | 20.4243 | 20 |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 27679 | 10.2379 | 10 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 206535 | 19.8180 | 20 |
| | 107 p-Isopropyltoluene | 119 | 9.973 | 9.972 | (0.999) | 345509 | 20.2132 | 20 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 381868 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 217368 | 20.1983 | 20 |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 188391 | 18.4333 | 18 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 315670 | 20.0555 | 20 |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.269 | (1.029) | 192917 | 19.5600 | 20 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 18882 | 18.3942 | 18 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 36388 | 77.4612 | 77 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.372 | 11.371 | (1.139) | 110935 | 18.4638 | 18 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 34108 | 14.7629 | 15 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 278559 | 18.8870 | 19 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 87867 | 17.7119 | 18 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25841.d
Report Date: 22-Sep-2009 21:53

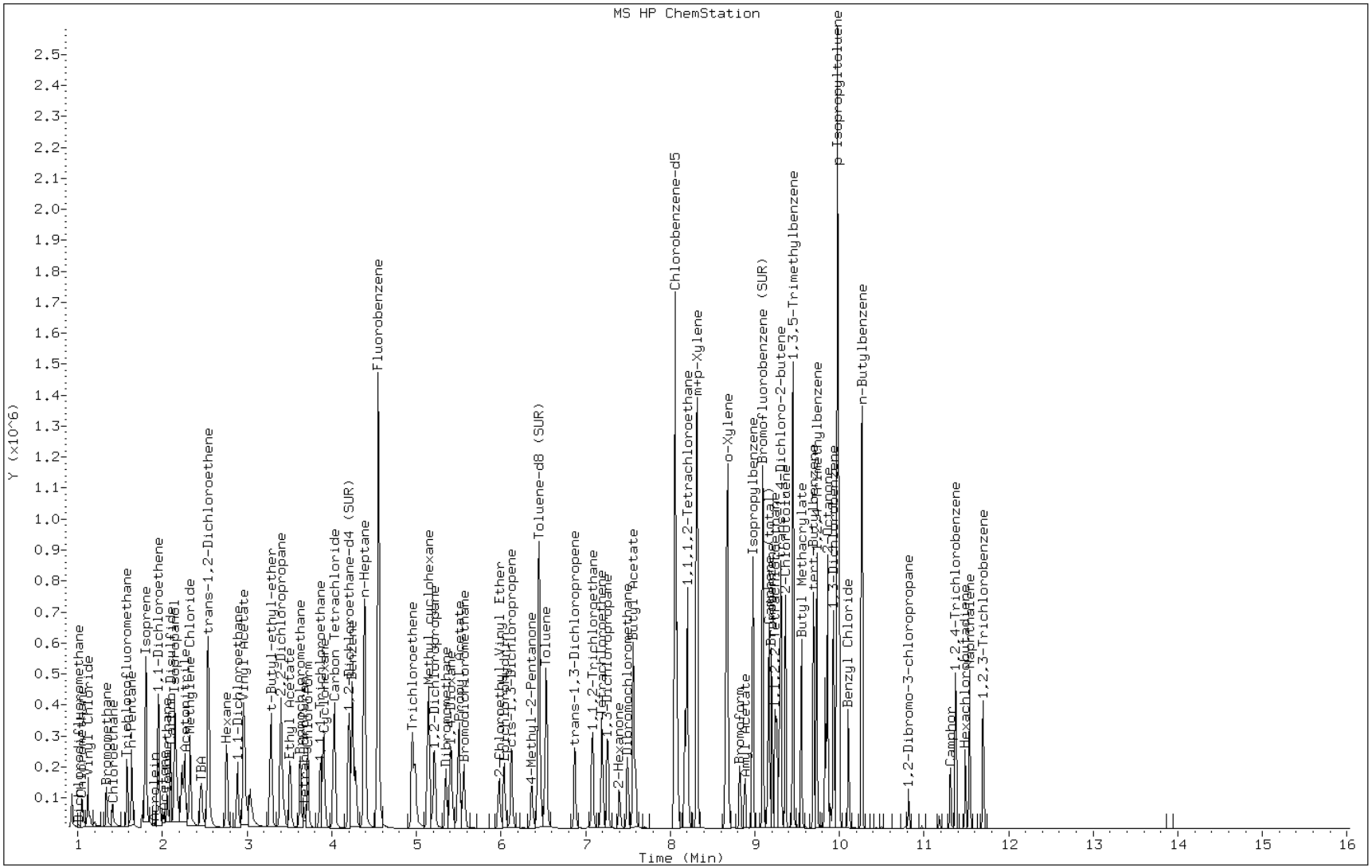
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 197457 | 36.9765 | 37 |
| M 121 Xylene (Total) | 100 | | | | 501679 | 59.9382 | 60 |

Data File: b25841.d

Date: 22-SEP-2009 21:27

Client ID: Instrument: VOAMS2.i

Sample Info: LCS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-02RR MS | Lab Sample ID: 460-5722-3 MS

Matrix: Water | Lab File ID: b25794.d

Analysis Method: 8260B | Date Collected: 09/15/2009 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/21/2009 21:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 18.6 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 21.5 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 18.0 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 22.0 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 19.5 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 20.3 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 61.0 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 85 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 87 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 90 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25794.d
Report Date: 22-Sep-2009 08:34

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25794.d
Lab Smp Id: 460-5722-D-3 MS  Client Smp ID: TW-02RR
Inj Date  : 21-SEP-2009 21:04
Operator  :  Inst ID: VOAMS2.i
Smp Info  : 460-5722-D-3 MS
Misc Info : 460-5722-D-3 MS
Comment   :
Method    : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie  Quant Type: ISTD
Cal Date  : 19-SEP-2009 10:27  Cal File: b25728.d
Als bottle: 7  QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 64758 | 15.0779 | 15 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 88808 | 14.1187 | 14 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 103922 | 17.7476 | 18 |
| 6 Bromomethane | 94 | 1.339 | 1.331 | (0.294) | 45068 | 15.0704 | 15 |
| 5 Chloroethane | 64 | 1.414 | 1.405 | (0.311) | 95503 | 28.8767 | 29 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 126479 | 17.4946 | 17 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 14161 | 15.5423 | 16 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 115350 | 16.6552 | 17 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 80162 | 18.0749 | 18 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 8535 | 42.9356 | 43 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 74864 | 19.7446 | 20 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 74500 | 15.4931 | 15 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 11411 | 21.4729 | 21 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 87078 | 11.6653 | 12 |
| 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.461) | 311293 | 19.6156 | 20 |
| 19 Isopropanol | 45 | 2.146 | 2.146 | (0.472) | 622848 | 2977.36 | 3000 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25794.d
Report Date: 22-Sep-2009 08:34

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 46049 | 379.686 | 380 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 38354 | 19.2598 | 19 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 94526 | 18.5718 | 18 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 177457 | 372.726 | 370 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 90226 | 17.9501 | 18 |
| | 26 Acrylonitrile | 53 | 2.533 | 2.533 | (0.557) | 41844 | 17.7798 | 18 |
| | 28 MTBE | 73 | 2.541 | 2.541 | (0.559) | 274161 | 17.5892 | 18 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 55353 | 16.8090 | 17 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 162246 | 18.6102 | 19 |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.952 | (0.651) | 159587 | 13.1218 | 13 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 277289 | 17.9911 | 18 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 290223 | 18.0892 | 18 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 117979 | 18.8206 | 19 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 103850 | 18.0187 | 18 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 14099 | 19.4348 | 19 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 23535 | 35.3951 | 35 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 52582 | 17.5025 | 18 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 44201 | 26.2057 | 26(R) |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 166110 | 18.6132 | 19 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 128739 | 18.7155 | 19 |
| | 44 Cyclohexane | 56 | 3.907 | 3.899 | (0.859) | 163506 | 19.4216 | 19 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 105065 | 16.4563 | 16 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 119186 | 18.1084 | 18 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 217226 | 42.5830 | 42 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 443370 | 21.9782 | 22 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 126786 | 18.3040 | 18 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 278134 | 17.8265 | 18 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 469833 | 36.1122 | 36 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1055652 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 94569 | 17.9633 | 18 |
| | 53 n-Butanol | 56 | 4.977 | 4.977 | (1.094) | 145999 | 1533.55 | 1500 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 145436 | 16.9683 | 17 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 261354 | 18.6875 | 19 |
| | 57 1,2-Dichloropropane | 63 | 5.207 | 5.207 | (1.145) | 100052 | 18.9455 | 19 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 67790 | 18.3400 | 18 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 30090 | 17.6660 | 18 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 315572 | 36.2584 | 36 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 128031 | 18.1473 | 18 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.039 | (0.750) | 115975 | 212.166 | 210(R) |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 146437 | 18.3709 | 18 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 109375 | 20.0478 | 20 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 670634 | 44.8190 | 45 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 415771 | 19.5205 | 20 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 131569 | 17.4272 | 17 |
| | 69 1,1,2-Trichloroethane | 83 | 7.076 | 7.076 | (0.878) | 78435 | 19.0732 | 19 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 100935 | 19.0097 | 19 |
| | 72 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 160130 | 19.2890 | 19 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25794.d
Report Date: 22-Sep-2009 08:34

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 73 2-Hexanone | 43 | 7.397 | 7.396 | (0.918) | 79151 | 20.0218 | 20 |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 97881 | 18.1953 | 18 |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 61548 | 37.3397 | 37 |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 102965 | 18.9736 | 19 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 790661 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 2221840 | 164.697 | 160(R) |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 85803 | 18.6459 | 19 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 141190 | 20.2742 | 20 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 344561 | 40.5066 | 40 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 169673 | 20.5471 | 20 |
| | 85 Styrene | 104 | 8.672 | 8.680 | (1.077) | 280971 | 19.1762 | 19 |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 86334 | 20.2509 | 20 |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 67517 | 15.2600 | 15 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 61958 | 21.7474 | 22 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 419797 | 21.4755 | 21 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 262378 | 43.6576 | 44 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 41662 | 5.62347 | 5.6(R) |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 112302 | 18.6887 | 19 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 138733 | 21.1027 | 21 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 39702 | 19.9075 | 20 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 26107 | 13.2461 | 13(R) |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 526173 | 21.5697 | 22 |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 288378 | 19.6875 | 20 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 331326 | 19.8952 | 20 |
| | 98 4-Chlorotoluene | 91 | 9.446 | 9.446 | (0.946) | 340342 | 19.8802 | 20 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 119379 | 18.8985 | 19 |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 274808 | 19.5269 | 20 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 347586 | 20.2739 | 20 |
| | 102 2-Octanone | 43 | 9.833 | 9.832 | (0.985) | 167333 | 24.6136 | 25 |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 420116 | 20.5604 | 20 |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 51049 | 18.5229 | 18(R) |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 206504 | 19.4620 | 19 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 351829 | 20.2163 | 20 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 388794 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 299299 | 27.3160 | 27(R) |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 175748 | 16.8898 | 17 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 328432 | 20.4946 | 20 |
| | 111 1,2-Dichlorobenzene | 146 | 10.260 | 10.260 | (1.028) | 228077 | 22.7130 | 23 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 20945 | 20.0406 | 20 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 52052 | 108.833 | 110(R) |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 115909 | 18.9480 | 19 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 38534 | 16.3815 | 16 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 322721 | 21.4915 | 21 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 98437 | 19.4891 | 19 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 194076 | 35.9734 | 36 |
| M | 121 Xylene (Total) | 100 | | | | 514234 | 61.0480 | 61 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25794.d
Report Date: 22-Sep-2009 08:34

QC Flag Legend

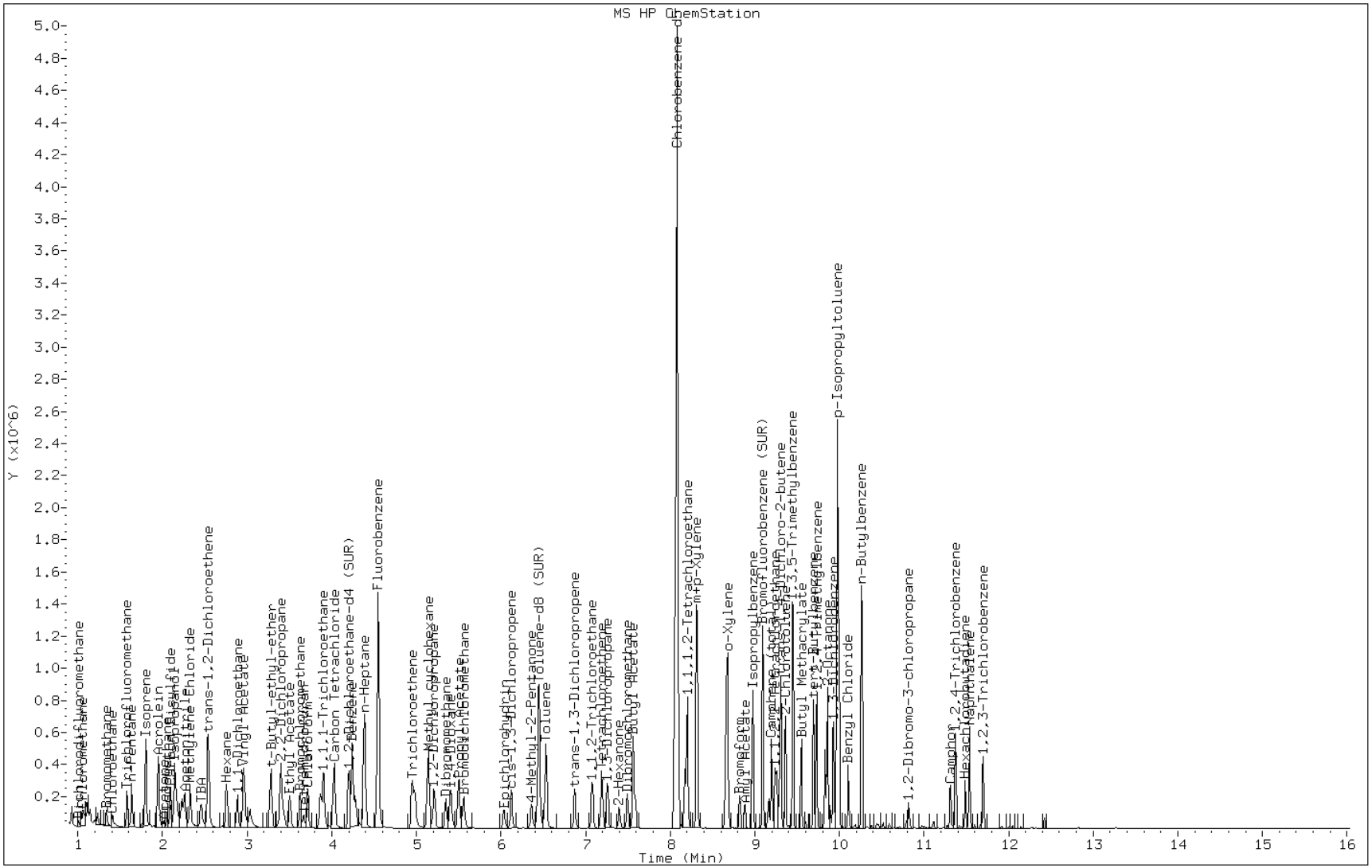
R - Spike/Surrogate failed recovery limits.

Data File: b25794.d

Date: 21-SEP-2009 21:04

Client ID: TW-02RR Instrument: VOAMS2.i

Sample Info: 460-5722-D-3 MS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-5782-A-4 MS

Matrix: Water | Lab File ID: b25827.d

Analysis Method: 8260B | Date Collected: 09/16/2009 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 13:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17611 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 20.4 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 17.5 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 20.3 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 20.1 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 20.5 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 20.6 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 62.2 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 86 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 89 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 92 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25827.d
Report Date: 22-Sep-2009 23:22

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25827.d
Lab Smp Id: 460-5782-A-4 MS  Client Smp ID: MW-9
Inj Date  : 22-SEP-2009 13:24
Operator  :  Inst ID: VOAMS2.i
Smp Info  : 460-5782-A-4 MS
Misc Info : 460-5782-A-4 MS
Comment   :
Method    : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/8260_09.m
Meth Date : 22-Sep-2009 09:33 desais  Quant Type: ISTD
Cal Date  : 19-SEP-2009 10:27  Cal File: b25728.d
Als bottle: 11  QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 65472 | 15.8043 | 16 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 77829 | 12.8279 | 13 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 104737 | 18.5440 | 18 |
| 6 Bromomethane | 94 | 1.340 | 1.331 | (0.294) | 41002 | 14.2145 | 14 |
| 5 Chloroethane | 64 | 1.414 | 1.405 | (0.311) | 61238 | 19.1965 | 19 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 123610 | 17.7259 | 18 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 15601 | 17.7516 | 18 |
| 10 Isoprene | 67 | 1.809 | 1.800 | (0.398) | 124913 | 18.6986 | 19 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 78097 | 18.2563 | 18 |
| 13 Acrolein | 56 | 1.891 | 1.891 | (0.416) | 6543 | 34.1241 | 34 |
| 15 1,1-Dichloroethene | 96 | 1.949 | 1.948 | (0.428) | 79137 | 21.6383 | 22 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 82216 | 17.7260 | 18 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 8988 | 17.5341 | 18 |
| 17 Iodomethane | 142 | 2.056 | 2.055 | (0.452) | 128162 | 17.7999 | 18 |
| 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.461) | 275367 | 17.9893 | 18 |
| 19 Isopropanol | 45 | 2.138 | 2.146 | (0.470) | 371555 | 1841.39 | 1800 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25827.d
Report Date: 22-Sep-2009 23:22

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.220 | 2.220 | (0.488) | 33383 | 285.363 | 280 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 32434 | 16.8853 | 17 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 100137 | 20.3970 | 20 |
| | 24 TBA | 59 | 2.451 | 2.450 | (0.539) | 90855 | 197.841 | 200 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 93175 | 19.2178 | 19 |
| | 26 Acrylonitrile | 53 | 2.533 | 2.533 | (0.557) | 34063 | 15.0054 | 15 |
| | 28 MTBE | 73 | 2.541 | 2.541 | (0.559) | 255892 | 17.0203 | 17 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 65027 | 20.4722 | 20 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 168148 | 19.9959 | 20 |
| | 31 Vinyl Acetate | 43 | 2.953 | 2.952 | (0.649) | 156843 | 13.3699 | 13 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 277777 | 18.6849 | 19 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 282074 | 18.2273 | 18 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 124899 | 20.6566 | 21 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 114751 | 20.6416 | 21 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 10450 | 14.9338 | 15 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 19727 | 30.7573 | 31 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.619 | (0.797) | 54274 | 18.7295 | 19 |
| | 41 Tetrahydrofuran | 42 | 3.669 | 3.668 | (0.806) | 27412 | 16.8489 | 17 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 171796 | 19.9577 | 20 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 132985 | 20.0431 | 20 |
| | 44 Cyclohexane | 56 | 3.907 | 3.899 | (0.859) | 155844 | 19.1917 | 19 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 111326 | 18.0776 | 18 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 124478 | 19.6074 | 20 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.204 | 4.195 | (0.924) | 211838 | 43.0527 | 43 |
| | 48 Benzene | 78 | 4.245 | 4.236 | (0.527) | 387517 | 20.0506 | 20 |
| | 49 1,2-Dichloroethane | 62 | 4.278 | 4.277 | (0.940) | 125047 | 18.7163 | 19 |
| | 50 t-Amyl-methyl-ether | 73 | 4.385 | 4.384 | (0.964) | 269464 | 17.9054 | 18 |
| | 61 Isopropyl Acetate | 43 | 4.385 | 4.384 | (0.964) | 415649 | 33.1215 | 33 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1018236 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.944 | (1.089) | 103010 | 20.2856 | 20 |
| | 53 n-Butanol | 56 | 4.977 | 4.977 | (1.094) | 62832 | 736.019 | 740 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 153515 | 18.5690 | 18 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.133 | (1.130) | 248351 | 18.4102 | 18 |
| | 57 1,2-Dichloropropane | 63 | 5.208 | 5.207 | (1.145) | 100432 | 19.7161 | 20 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 66631 | 18.6887 | 19 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 25838 | 15.7270 | 16 |
| | 75 Propyl Acetate | 43 | 5.496 | 5.495 | (1.208) | 264706 | 31.5316 | 32 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.222) | 128502 | 18.8832 | 19 |
| | 63 Epichlorohydrin | 57 | 6.031 | 6.030 | (0.749) | 127181 | 242.852 | 240 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 155546 | 20.3680 | 20 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 87552 | 16.7504 | 17 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.442 | (0.801) | 659087 | 45.9760 | 46 |
| | 66 Toluene | 91 | 6.533 | 6.532 | (0.811) | 418064 | 20.4876 | 20 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 137486 | 19.0083 | 19 |
| | 69 1,1,2-Trichloroethane | 83 | 7.076 | 7.075 | (0.878) | 77793 | 19.7453 | 20 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 106171 | 20.8712 | 21 |
| | 72 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 155705 | 19.5772 | 20 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25827.d
Report Date: 22-Sep-2009 23:22

| | | | QUANT SIG | | | | | CONCENTRATIONS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN ( ug/L) | FINAL ( ug/L) |
| | 73 | 2-Hexanone | 43 | 7.397 | 7.396 | (0.918) | 59153 | 15.6182 | 16 |
| | 74 | Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 98351 | 19.0831 | 19 |
| | 76 | Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 54126 | 34.2742 | 34 |
| | 77 | 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 97155 | 18.6869 | 19 |
| * | 78 | Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 757494 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 263969 | 20.4238 | 20 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.170 | (1.015) | 86157 | 19.5425 | 20 |
| | 81 | Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 137267 | 20.5739 | 20 |
| | 82 | m+p-Xylene | 106 | 8.318 | 8.310 | (1.033) | 341873 | 41.9504 | 42 |
| | 84 | o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 160136 | 20.2412 | 20 |
| | 85 | Styrene | 104 | 8.672 | 8.672 | (1.077) | 289380 | 20.6149 | 21 |
| | 83 | Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 79953 | 19.5752 | 20 |
| | 86 | Bromoform | 173 | 8.820 | 8.820 | (1.095) | 62714 | 14.7950 | 15 |
| | 87 | Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 57172 | 21.0907 | 21 |
| | 88 | Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 418071 | 22.3236 | 22 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 253655 | 44.3588 | 44 |
| | 90 | Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 61165 | 8.61744 | 8.6(R) |
| | 91 | Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 114663 | 20.0547 | 20 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 122208 | 19.5371 | 20 |
| | 93 | 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 33664 | 17.7406 | 18 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.281 | (0.931) | 31826 | 16.9713 | 17 |
| | 95 | n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 503463 | 21.6914 | 22 |
| | 96 | 2-Chlorotoluene | 91 | 9.364 | 9.363 | (0.938) | 291436 | 20.9110 | 21 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 335894 | 21.1982 | 21 |
| | 98 | 4-Chlorotoluene | 91 | 9.446 | 9.446 | (0.946) | 348489 | 21.3943 | 21 |
| | 99 | Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 116602 | 19.4002 | 19 |
| | 100 | tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 278072 | 20.7665 | 21 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 336735 | 20.6427 | 21 |
| | 102 | 2-Octanone | 43 | 9.833 | 9.832 | (0.985) | 132009 | 20.4080 | 20 |
| | 103 | sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 424928 | 21.8565 | 22 |
| | 104 | 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 23667 | 9.03780 | 9.0 |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 206063 | 20.4109 | 20 |
| | 107 | p-Isopropyltoluene | 119 | 9.973 | 9.972 | (0.999) | 356513 | 21.5302 | 22 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 369927 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 215151 | 20.6376 | 21 |
| | 110 | Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 167887 | 16.9572 | 17 |
| | 106 | n-Butylbenzene | 91 | 10.269 | 10.260 | (1.029) | 334223 | 21.9197 | 22 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.029) | 188944 | 19.7755 | 20 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 14947 | 15.0303 | 15 |
| | 113 | Camphor | 95 | 11.314 | 11.314 | (1.134) | 20423 | 44.8788 | 45 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.372 | 11.371 | (1.139) | 107123 | 18.4048 | 18 |
| | 115 | Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 35688 | 15.9453 | 16 |
| | 116 | Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 239834 | 16.7862 | 17 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 82594 | 17.1864 | 17 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 207926 | 39.9567 | 40 |
| M | 121 | Xylene (Total) | 100 | | | | 502009 | 62.2060 | 62 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25827.d
Report Date: 22-Sep-2009 23:22

QC Flag Legend

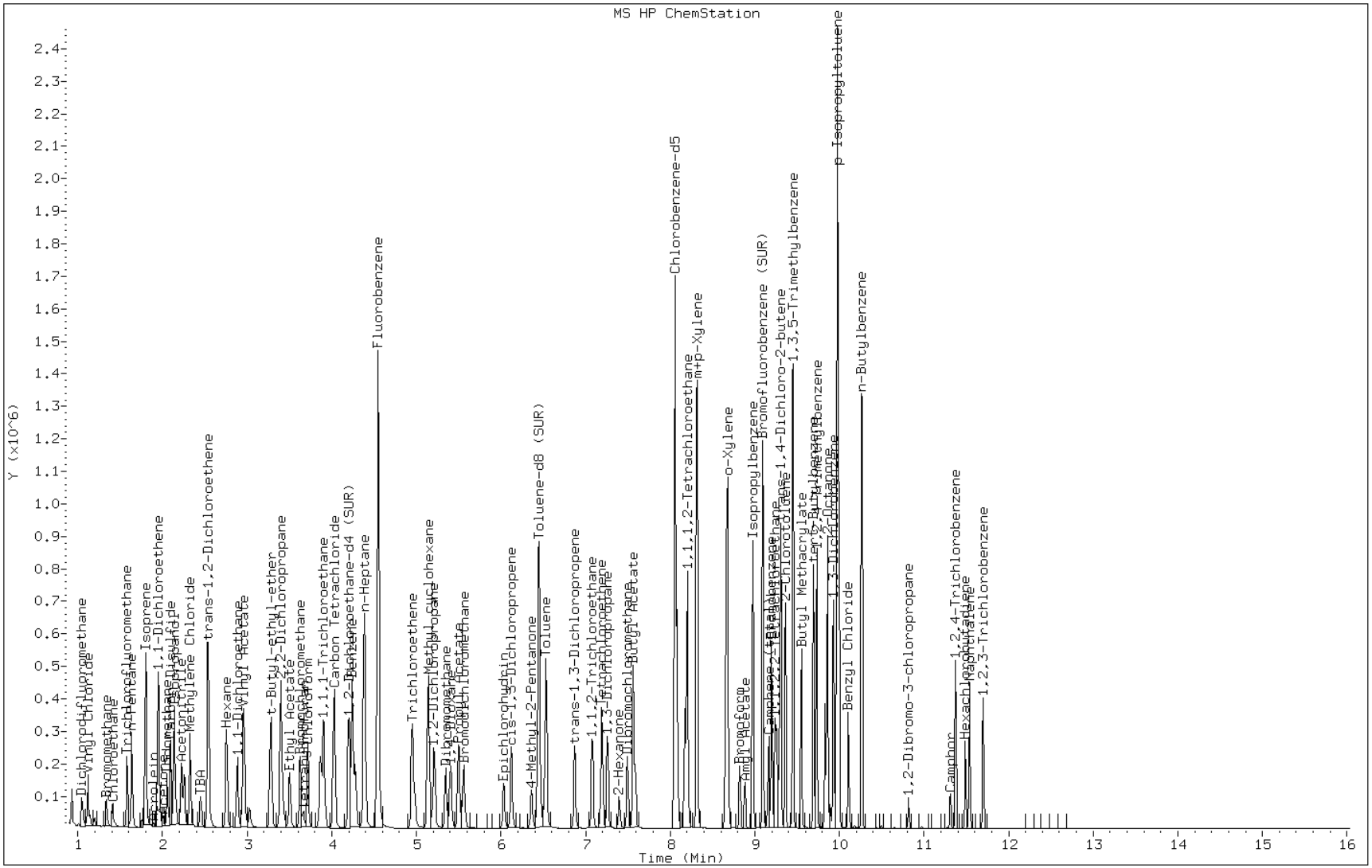
R - Spike/Surrogate failed recovery limits.

Data File: b25827.d

Date: 22-SEP-2009 13:24

Client ID: MW-9 Instrument: VOAMS2.i

Sample Info: 460-5782-A-4 MS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-5835-A-5 MS

Matrix: Water | Lab File ID: b25845.d

Analysis Method: 8260B | Date Collected: 09/17/2009 13:20

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 23:19

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17679 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 93.0 | | 5.0 | 0.95 |
| 67-64-1 | Acetone | 120 | | 50 | 12 |
| 79-01-6 | Trichloroethene | 97.4 | | 5.0 | 0.90 |
| 71-43-2 | Benzene | 91.7 | | 5.0 | 0.65 |
| 108-88-3 | Toluene | 93.7 | | 5.0 | 0.45 |
| 100-41-4 | Ethylbenzene | 94.1 | | 5.0 | 1.2 |
| 1330-20-7 | Xylenes, Total | 285 | | 15 | 2.2 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 84 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 86 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25845.d
Report Date: 23-Sep-2009 17:50

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25845.d
Lab Smp Id: 460-5835-A-5MS
Inj Date : 22-SEP-2009 23:19
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5835-A-5MS;5
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/8260_09.m
Meth Date : 22-Sep-2009 21:52 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 7 QC Sample: MS
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 5.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 66419 | 15.9514 | 80 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 89218 | 14.6303 | 73 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 123974 | 21.8383 | 110 |
| 6 Bromomethane | 94 | 1.339 | 1.331 | (0.294) | 55060 | 18.9911 | 95 |
| 5 Chloroethane | 64 | 1.413 | 1.405 | (0.311) | 63313 | 19.7461 | 99 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 128211 | 18.2922 | 91 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 13023 | 14.7429 | 74 |
| 10 Isoprene | 67 | 1.808 | 1.800 | (0.398) | 147033 | 21.8979 | 110 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 75909 | 17.6546 | 88 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 7482 | 38.8229 | 190 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 73962 | 20.1205 | 100 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 303202 | 65.0389 | 320(R) |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 12347 | 23.9645 | 120 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 90147 | 12.4565 | 62 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25845.d
Report Date: 23-Sep-2009 17:50

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 18 Carbon Disulfide | 76 | 2.096 | 2.088 | (0.461) | 247582 | 16.0919 | 80 |
| | 19 Isopropanol | 45 | 2.146 | 2.146 | (0.472) | 486893 | 2400.72 | 12000 |
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 41267 | 350.963 | 1800 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 36809 | 19.0655 | 95 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 91826 | 18.6090 | 93 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 143383 | 310.636 | 1600 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 86941 | 17.8409 | 89 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 38900 | 17.0491 | 85 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 252896 | 16.7355 | 84 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 55616 | 17.4203 | 87 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 154203 | 18.2443 | 91 |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.952 | (0.651) | 156170 | 13.2449 | 66 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 266854 | 17.8589 | 89 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 274339 | 17.6374 | 88 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.389 | (0.747) | 101437 | 16.6910 | 83 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 1120998 | 200.622 | 1000(R) |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 13950 | 19.8342 | 99 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 23215 | 36.0117 | 180 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 51528 | 17.6915 | 88 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 33497 | 20.4844 | 100 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 157924 | 18.2529 | 91 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 125210 | 18.7754 | 94 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 140375 | 17.1988 | 86 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 101064 | 16.3278 | 82 |
| | 46 1,1-Dichloropropene | 75 | 4.039 | 4.030 | (0.888) | 113555 | 17.7959 | 89 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 208662 | 42.1916 | 42 |
| | 48 Benzene | 78 | 4.244 | 4.244 | (0.527) | 360505 | 18.3428 | 92 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 119639 | 17.8158 | 89 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 266073 | 17.5902 | 88 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 451080 | 35.7621 | 180 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1023439 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 99406 | 19.4763 | 97 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 115973 | 1287.53 | 6400 |
| | 56 Methyl cyclohexane | 83 | 5.141 | 5.141 | (1.130) | 139496 | 16.7875 | 84 |
| | 55 Ethyl Acrylate | 55 | 5.141 | 5.141 | (1.130) | 249742 | 18.4192 | 92 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.207 | (1.147) | 96414 | 18.8311 | 94 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 64552 | 18.0135 | 90 |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.405 | (1.190) | 28892 | 17.4965 | 87 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 299090 | 35.4462 | 180 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 122660 | 17.9331 | 90 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.038 | (0.750) | 162682 | 305.474 | 1500 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 143458 | 18.4727 | 92 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.359 | 6.359 | (0.790) | 99087 | 18.6420 | 93 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 641205 | 43.9847 | 44 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 388997 | 18.7461 | 94 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 128277 | 17.4401 | 87 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 76520 | 19.0991 | 95 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25845.d
Report Date: 23-Sep-2009 17:50

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 97343 | 18.8175 | 94 |
| | 72 1,3-Dichloropropane | 76 | 7.265 | 7.256 | (0.902) | 152180 | 18.8157 | 94 |
| | 73 2-Hexanone | 43 | 7.396 | 7.396 | (0.918) | 68773 | 17.8562 | 89 |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 97866 | 18.6732 | 93 |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 58840 | 36.6396 | 180 |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 97489 | 18.4393 | 92 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 770305 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.079 | 8.079 | (1.003) | 246282 | 18.7385 | 94 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 81861 | 18.2593 | 91 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 127750 | 18.8290 | 94 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 316749 | 38.2211 | 190 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 150646 | 18.7250 | 94 |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.078) | 269817 | 18.9016 | 94 |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 78780 | 18.9672 | 95 |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 65618 | 15.2227 | 76 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 58478 | 21.0555 | 100 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.976 | (1.114) | 386050 | 20.2710 | 100 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 251481 | 42.9246 | 43 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 59214 | 8.20382 | 41(R) |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 109667 | 18.7212 | 94 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 128140 | 19.9945 | 100 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 37240 | 19.1548 | 96 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 33712 | 17.5462 | 88 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 472280 | 19.8603 | 99 |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 271056 | 18.9826 | 95 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 313458 | 19.3082 | 96 |
| | 98 4-Chlorotoluene | 91 | 9.454 | 9.454 | (0.947) | 328562 | 19.6876 | 98 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 112064 | 18.1984 | 91 |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.692 | (0.971) | 252702 | 18.4196 | 92 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 309999 | 18.5483 | 93 |
| | 102 2-Octanone | 43 | 9.832 | 9.832 | (0.985) | 137856 | 20.8012 | 100 |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 385988 | 19.3778 | 97 |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 27813 | 10.3645 | 52 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 193571 | 18.7141 | 94 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 324759 | 19.1425 | 96 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 379010 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 199875 | 18.7128 | 94 |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 139787 | 13.7807 | 69(R) |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 295109 | 18.8906 | 94 |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.269 | (1.029) | 180004 | 18.3883 | 92 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 17800 | 17.4703 | 87 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 32383 | 69.4552 | 350 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 100260 | 16.8129 | 84 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 30716 | 13.3949 | 67 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 250667 | 17.1240 | 86 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 80453 | 16.3397 | 82 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 1207939 | 230.947 | 1200 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25845.d
Report Date: 23-Sep-2009 17:50

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| M 121 Xylene (Total) | 100 | | | | 467395 | 56.9536 | 280 |

QC Flag Legend

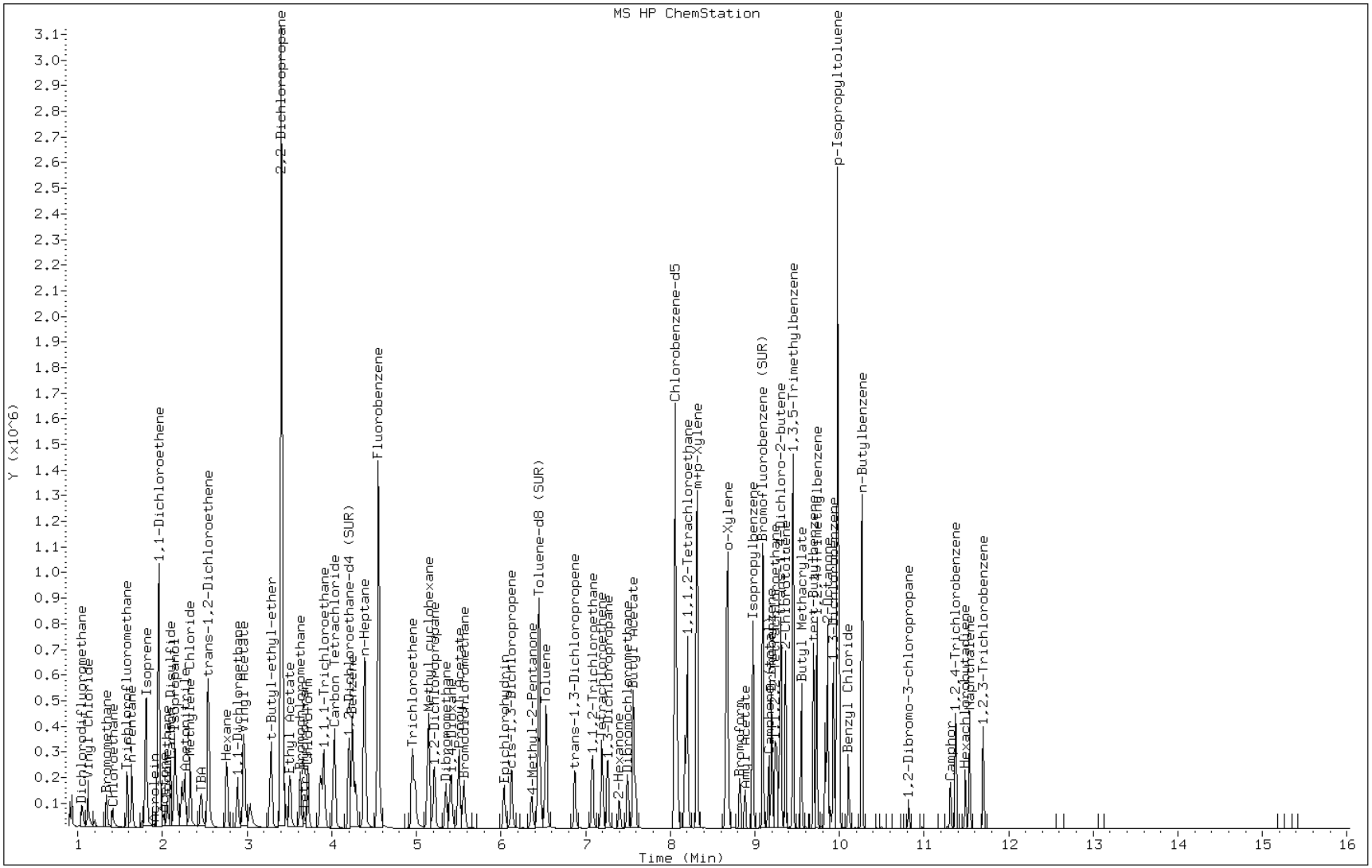
R - Spike/Surrogate failed recovery limits.

Data File: b25845.d

Date: 22-SEP-2009 23:19

Client ID: Instrument: VOAMS2.i

Sample Info: 460-5835-A-5MS;5 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-02RR MSD | Lab Sample ID: 460-5722-3 MSD

Matrix: Water | Lab File ID: b25795.d

Analysis Method: 8260B | Date Collected: 09/15/2009 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/21/2009 21:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17535 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 19.8 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 22.0 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 19.0 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 23.0 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 20.6 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 21.5 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 64.5 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 86 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 89 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 90 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25795.d
Report Date: 22-Sep-2009 08:40

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25795.d
Lab Smp Id: 460-5722-D-3 MSD  Client Smp ID: TW-02RR
Inj Date  : 21-SEP-2009 21:30
Operator  :  Inst ID: VOAMS2.i
Smp Info  : 460-5722-D-3 MSD
Misc Info : 460-5722-D-3 MSD
Comment   :
Method    : /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 18:16 eddie  Quant Type: ISTD
Cal Date  : 19-SEP-2009 10:27  Cal File: b25728.d
Als bottle: 8  QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 65697 | 15.2678 | 15 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 88976 | 14.1186 | 14 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 109243 | 18.6210 | 19 |
| 6 Bromomethane | 94 | 1.340 | 1.331 | (0.294) | 47874 | 15.9785 | 16 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 105377 | 31.8019 | 32(R) |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 131360 | 18.1353 | 18 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 14466 | 15.8471 | 16 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 119384 | 17.2050 | 17 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 84241 | 18.9588 | 19 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 9391 | 47.1560 | 47 |
| 15 1,1-Dichloroethene | 96 | 1.949 | 1.948 | (0.428) | 79457 | 20.9162 | 21 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 76661 | 15.9124 | 16 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 11694 | 21.9643 | 22 |
| 17 Iodomethane | 142 | 2.056 | 2.055 | (0.452) | 96622 | 12.9194 | 13 |
| 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.461) | 312529 | 19.6561 | 20 |
| 19 Isopropanol | 45 | 2.146 | 2.146 | (0.472) | 716619 | 3419.12 | 3400 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25795.d
Report Date: 22-Sep-2009 08:40

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 48746 | 401.161 | 400 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 39695 | 19.8955 | 20 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 101063 | 19.8184 | 20 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 191219 | 400.869 | 400 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 96385 | 19.1390 | 19 |
| | 26 Acrylonitrile | 53 | 2.533 | 2.533 | (0.557) | 45544 | 19.3153 | 19 |
| | 28 MTBE | 73 | 2.541 | 2.541 | (0.559) | 291570 | 18.6706 | 19 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 58718 | 17.7970 | 18 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 172499 | 19.7488 | 20 |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.952 | (0.651) | 170601 | 14.0008 | 14 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 293824 | 19.0278 | 19 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 308014 | 19.1617 | 19 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 122959 | 19.5778 | 20 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 110239 | 19.0910 | 19 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 15061 | 20.7224 | 21 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 24532 | 36.8249 | 37 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 57150 | 18.9870 | 19 |
| | 41 Tetrahydrofuran | 42 | 3.669 | 3.668 | (0.806) | 45789 | 27.0959 | 27(R) |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 175363 | 19.6128 | 20 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 136543 | 19.8124 | 20 |
| | 44 Cyclohexane | 56 | 3.907 | 3.899 | (0.859) | 163105 | 19.3373 | 19 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 111812 | 17.4799 | 17 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 128275 | 19.4524 | 19 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.204 | 4.203 | (0.924) | 220949 | 43.2307 | 43 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 467910 | 22.9821 | 23 |
| | 49 1,2-Dichloroethane | 62 | 4.278 | 4.277 | (0.940) | 132863 | 19.1451 | 19 |
| | 50 t-Amyl-methyl-ether | 73 | 4.385 | 4.384 | (0.964) | 298483 | 19.0945 | 19 |
| | 61 Isopropyl Acetate | 43 | 4.385 | 4.384 | (0.964) | 494268 | 37.9184 | 38 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1057656 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 100112 | 18.9802 | 19 |
| | 53 n-Butanol | 56 | 4.977 | 4.977 | (1.094) | 165837 | 1706.85 | 1700 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 152685 | 17.7804 | 18 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 276945 | 19.7648 | 20 |
| | 57 1,2-Dichloropropane | 63 | 5.208 | 5.207 | (1.145) | 105825 | 20.0006 | 20 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 71938 | 19.4253 | 19 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 32538 | 19.0675 | 19 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 329435 | 37.7795 | 38 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.222) | 137033 | 19.3865 | 19 |
| | 63 Epichlorohydrin | 57 | 6.031 | 6.039 | (0.749) | 111177 | 201.524 | 200(R) |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 156825 | 19.4938 | 19 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 116250 | 21.1128 | 21 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 682646 | 45.2038 | 45 |
| | 66 Toluene | 91 | 6.533 | 6.532 | (0.811) | 443138 | 20.6147 | 21 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 141217 | 18.5337 | 18 |
| | 69 1,1,2-Trichloroethane | 83 | 7.076 | 7.076 | (0.878) | 83810 | 20.1934 | 20 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 108165 | 20.1846 | 20 |
| | 72 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 168947 | 20.1646 | 20 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25795.d
Report Date: 22-Sep-2009 08:40

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 73 2-Hexanone | 43 | 7.397 | 7.396 | (0.918) | 84465 | 21.1702 | 21 |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 104322 | 19.2149 | 19 |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 64570 | 38.8136 | 39 |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 108091 | 19.7358 | 20 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 797974 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 2283522 | 167.718 | 170(R) |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 92344 | 19.8833 | 20 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 151169 | 21.5083 | 22 |
| | 82 m+p-Xylene | 106 | 8.310 | 8.318 | (1.032) | 370849 | 43.1975 | 43 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 177838 | 21.3384 | 21 |
| | 85 Styrene | 104 | 8.672 | 8.680 | (1.077) | 297743 | 20.1347 | 20 |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 91277 | 21.2142 | 21 |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 72851 | 16.3148 | 16 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 65190 | 22.7454 | 23 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 443321 | 22.4710 | 22 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 268743 | 44.4505 | 44 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 40161 | 5.37127 | 5.4(R) |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 119819 | 19.8209 | 20 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 144645 | 21.8710 | 22 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 41071 | 20.4711 | 20 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 29095 | 14.6744 | 15 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 557604 | 22.7221 | 23 |
| | 96 2-Chlorotoluene | 91 | 9.364 | 9.363 | (0.938) | 304658 | 20.6751 | 21 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 350617 | 20.9283 | 21 |
| | 98 4-Chlorotoluene | 91 | 9.446 | 9.446 | (0.946) | 361968 | 21.0176 | 21 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 127887 | 20.1248 | 20 |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 290895 | 20.5470 | 20 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 367603 | 21.3137 | 21 |
| | 102 2-Octanone | 43 | 9.833 | 9.832 | (0.985) | 179981 | 26.3164 | 26(R) |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 444662 | 21.6321 | 22 |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 58684 | 21.1583 | 21(R) |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 218154 | 20.4376 | 20 |
| | 107 p-Isopropyltoluene | 119 | 9.973 | 9.972 | (0.999) | 368681 | 21.0585 | 21 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 391122 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 309478 | 28.0769 | 28(R) |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 181835 | 17.3708 | 17 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 349923 | 21.7057 | 22 |
| | 111 1,2-Dichlorobenzene | 146 | 10.261 | 10.260 | (1.028) | 237480 | 23.5086 | 24 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 22170 | 21.0857 | 21 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 57782 | 120.093 | 120(R) |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.372 | 11.371 | (1.139) | 124537 | 20.2372 | 20 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 41051 | 17.3479 | 17 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 337487 | 22.3410 | 22 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 104503 | 20.5669 | 20 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 206625 | 38.2268 | 38 |
| M | 121 Xylene (Total) | 100 | | | | 548687 | 64.5411 | 64 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b/b25795.d
Report Date: 22-Sep-2009 08:40

QC Flag Legend

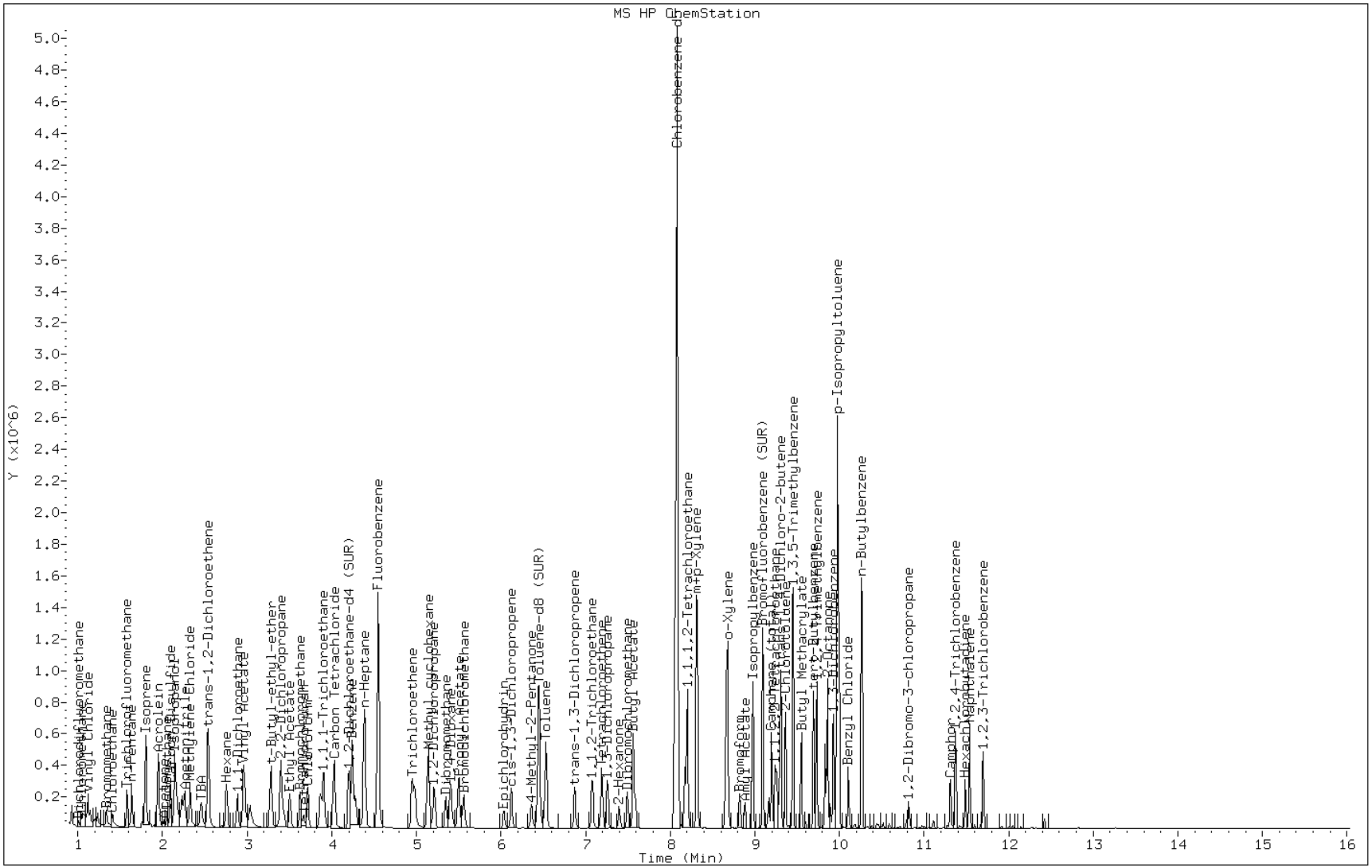
R - Spike/Surrogate failed recovery limits.

Data File: b25795.d

Date: 21-SEP-2009 21:30

Client ID: TW-02RR Instrument: VOAMS2.i

Sample Info: 460-5722-D-3 MSD Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-5782-A-4 MSD

Matrix: Water | Lab File ID: b25828.d

Analysis Method: 8260B | Date Collected: 09/16/2009 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 13:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17611 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 19.2 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 17.5 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 18.8 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 19.1 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 19.1 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 19.4 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 57.9 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 84 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 89 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 91 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25828.d
Report Date: 22-Sep-2009 23:22

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25828.d
Lab Smp Id: 460-5782-A-4 MSD  Client Smp ID: MW-9
Inj Date  : 22-SEP-2009 13:50
Operator  :  Inst ID: VOAMS2.i
Smp Info  : 460-5782-A-4 MSD
Misc Info : 460-5782-A-4 MSD
Comment   :
Method    : /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/8260_09.m
Meth Date : 22-Sep-2009 09:33 desais  Quant Type: ISTD
Cal Date  : 19-SEP-2009 10:27  Cal File: b25728.d
Als bottle: 12  QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 59678 | 14.2176 | 14 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 74648 | 12.1430 | 12 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 96084 | 16.7899 | 17 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 42940 | 14.6921 | 15 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 57516 | 17.7944 | 18 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 111945 | 15.8436 | 16 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 13712 | 15.3985 | 15 |
| 10 Isoprene | 67 | 1.808 | 1.800 | (0.398) | 114618 | 16.9335 | 17 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 74971 | 17.2968 | 17 |
| 13 Acrolein | 56 | 1.891 | 1.891 | (0.416) | 7086 | 36.4736 | 36 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 74280 | 20.0451 | 20 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 76267 | 16.2287 | 16 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 9064 | 17.4516 | 17 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 121921 | 16.7121 | 17 |
| 18 Carbon Disulfide | 76 | 2.096 | 2.088 | (0.461) | 255671 | 16.4846 | 16 |
| 19 Isopropanol | 45 | 2.146 | 2.146 | (0.472) | 710786 | 3476.60 | 3500 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25828.d
Report Date: 22-Sep-2009 23:22

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.220 | (0.490) | 36867 | 311.030 | 310 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 31996 | 16.4398 | 16 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 95399 | 19.1782 | 19 |
| | 24 TBA | 59 | 2.450 | 2.450 | (0.539) | 126357 | 271.556 | 270 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 89486 | 18.2160 | 18 |
| | 26 Acrylonitrile | 53 | 2.533 | 2.533 | (0.557) | 33541 | 14.5826 | 14 |
| | 28 MTBE | 73 | 2.541 | 2.541 | (0.559) | 247093 | 16.2205 | 16 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 59537 | 18.4991 | 18 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 159887 | 18.7653 | 19 |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.952 | (0.651) | 154963 | 13.0372 | 13 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 268855 | 17.8487 | 18 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 278101 | 17.7360 | 18 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 116540 | 19.0225 | 19 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 107744 | 19.1281 | 19 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 10334 | 14.5753 | 14 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 19003 | 29.2417 | 29 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.619 | (0.797) | 52645 | 17.9302 | 18 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 27029 | 16.3966 | 16 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 164577 | 18.8694 | 19 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 125514 | 18.6702 | 19 |
| | 44 Cyclohexane | 56 | 3.907 | 3.899 | (0.859) | 145121 | 17.6379 | 18 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 103877 | 16.6478 | 17 |
| | 46 1,1-Dichloropropene | 75 | 4.030 | 4.031 | (0.886) | 118170 | 18.3708 | 18 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.195 | (0.924) | 210216 | 42.1653 | 42 |
| | 48 Benzene | 78 | 4.244 | 4.236 | (0.527) | 373508 | 19.0978 | 19 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 121877 | 18.0037 | 18 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 261669 | 17.1605 | 17 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 407555 | 32.0525 | 32 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1031704 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.944 | (1.089) | 96875 | 18.8284 | 19 |
| | 53 n-Butanol | 56 | 4.977 | 4.977 | (1.094) | 126319 | 1378.92 | 1400 |
| | 56 Methyl cyclohexane | 83 | 5.141 | 5.142 | (1.130) | 145404 | 17.3583 | 17 |
| | 55 Ethyl Acrylate | 55 | 5.141 | 5.133 | (1.130) | 236014 | 17.2673 | 17 |
| | 57 1,2-Dichloropropane | 63 | 5.207 | 5.207 | (1.145) | 98065 | 19.0002 | 19 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 64639 | 17.8933 | 18(R) |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 26316 | 15.8088 | 16 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.495 | (1.210) | 259415 | 30.4979 | 30 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 124751 | 18.0927 | 18 |
| | 63 Epichlorohydrin | 57 | 6.030 | 6.030 | (0.749) | 117645 | 221.993 | 220(R) |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 148474 | 19.2127 | 19 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.359 | 6.360 | (0.790) | 85748 | 16.2118 | 16 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.442 | (0.801) | 659706 | 45.4764 | 45 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 394563 | 19.1078 | 19 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 132388 | 18.0876 | 18 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.075 | (0.879) | 76110 | 19.0902 | 19 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 98766 | 19.1865 | 19 |
| | 72 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 151950 | 18.8797 | 19 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25828.d
Report Date: 22-Sep-2009 23:22

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 73 2-Hexanone | 43 | 7.396 | 7.396 | (0.918) | 58606 | 15.2913 | 15 |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 95838 | 18.3762 | 18 |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 51575 | 32.2737 | 32 |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 93706 | 17.8109 | 18 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 766535 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.079 | 8.080 | (1.003) | 249078 | 19.0444 | 19 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.170 | (1.015) | 82898 | 18.5815 | 18 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 131137 | 19.4233 | 19 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.310 | (1.033) | 322093 | 39.0570 | 39 |
| | 84 o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 150814 | 18.8381 | 19 |
| | 85 Styrene | 104 | 8.680 | 8.672 | (1.078) | 271004 | 19.0781 | 19 |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 76446 | 18.4958 | 18 |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 58913 | 13.7344 | 14(R) |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 54032 | 20.0593 | 20 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 393438 | 20.7605 | 21 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.912) | 253044 | 44.5336 | 44 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 43445 | 6.04870 | 6.0(R) |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 107819 | 18.9777 | 19 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 114749 | 18.4614 | 18 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 32941 | 17.4701 | 17 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.281 | (0.931) | 30535 | 16.3866 | 16 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 479492 | 20.7901 | 21 |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 277074 | 20.0071 | 20 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 313572 | 19.9154 | 20 |
| | 98 4-Chlorotoluene | 91 | 9.454 | 9.446 | (0.947) | 329994 | 20.3878 | 20 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 109436 | 18.3239 | 18 |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 258427 | 19.4223 | 19 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 311313 | 19.2057 | 19 |
| | 102 2-Octanone | 43 | 9.832 | 9.832 | (0.985) | 123058 | 19.1453 | 19 |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 395410 | 20.4677 | 20 |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 23228 | 8.92676 | 8.9 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 190997 | 19.0390 | 19 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 330231 | 20.0700 | 20 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 367587 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 201080 | 19.4107 | 19 |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 155370 | 15.7929 | 16 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.260 | (1.029) | 308839 | 20.3839 | 20 |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.029) | 173532 | 18.2781 | 18 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 13588 | 13.7507 | 14(R) |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 21758 | 48.1168 | 48 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 96412 | 16.6700 | 17 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 33321 | 14.9825 | 15 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 216874 | 15.2759 | 15 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 75115 | 15.7296 | 16 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 197230 | 37.4065 | 37 |
| M | 121 Xylene (Total) | 100 | | | | 472907 | 57.9087 | 58 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b/b25828.d
Report Date: 22-Sep-2009 23:22

QC Flag Legend

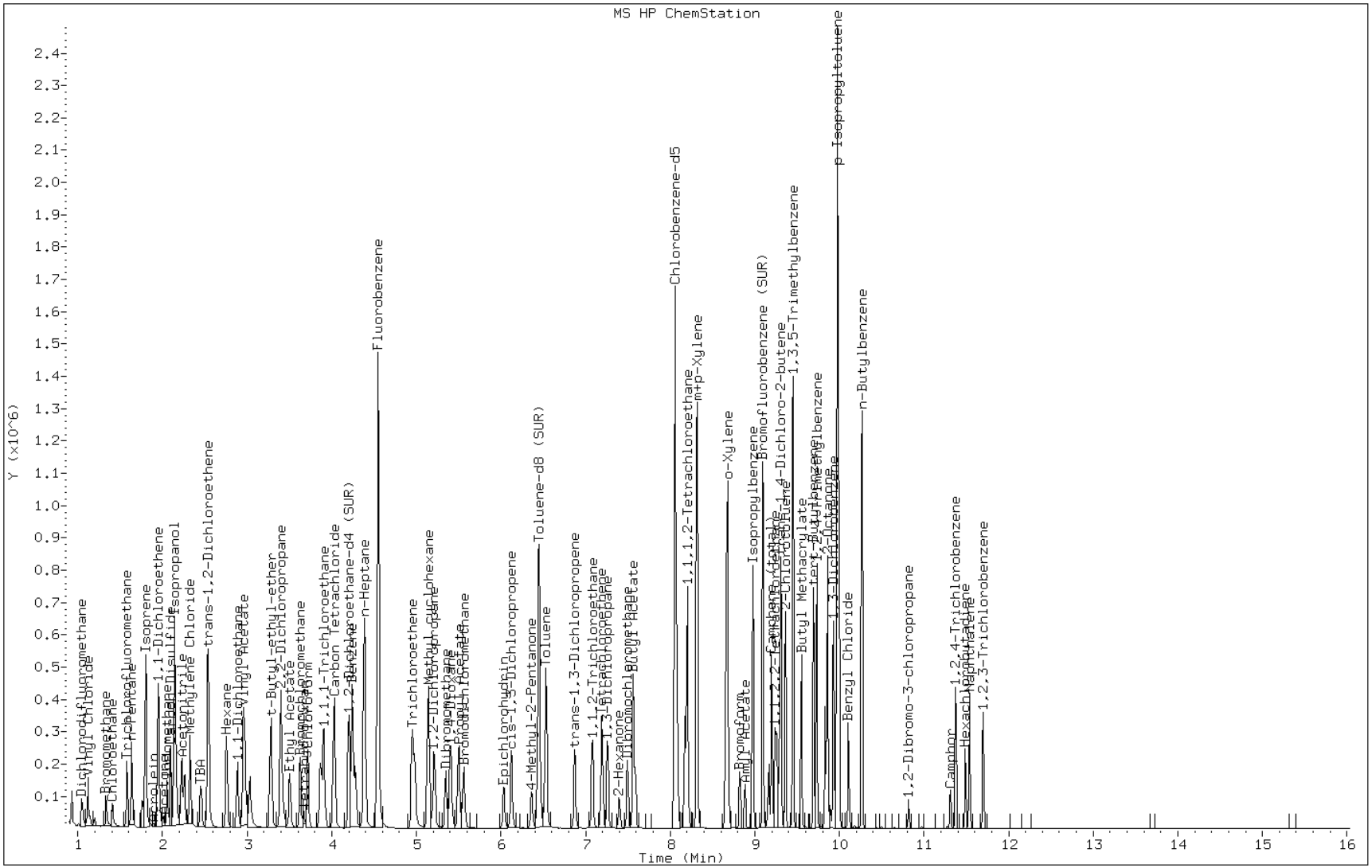
R - Spike/Surrogate failed recovery limits.

Data File: b25828.d

Date: 22-SEP-2009 13:50

Client ID: MW-9 Instrument: VOAMS2.i

Sample Info: 460-5782-A-4 MSD Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-5835-A-5 MSD

Matrix: Water | Lab File ID: b25846.d

Analysis Method: 8260B | Date Collected: 09/17/2009 13:20

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 23:45

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17679 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 99.9 | | 5.0 | 0.95 |
| 67-64-1 | Acetone | 141 | | 50 | 12 |
| 79-01-6 | Trichloroethene | 104 | | 5.0 | 0.90 |
| 71-43-2 | Benzene | 100 | | 5.0 | 0.65 |
| 108-88-3 | Toluene | 99.9 | | 5.0 | 0.45 |
| 100-41-4 | Ethylbenzene | 101 | | 5.0 | 1.2 |
| 1330-20-7 | Xylenes, Total | 305 | | 15 | 2.2 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 84 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 86 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25846.d
Report Date: 23-Sep-2009 17:50

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25846.d
Lab Smp Id: 460-5835-A-5MSD
Inj Date : 22-SEP-2009 23:45
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5835-A-5MSD;5
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/8260_09.m
Meth Date : 22-Sep-2009 21:52 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 8 QC Sample: MSD
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 5.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 69533 | 16.5955 | 83 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 91195 | 14.8616 | 74 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 131482 | 23.0170 | 120 |
| 6 Bromomethane | 94 | 1.339 | 1.331 | (0.294) | 63142 | 21.6434 | 110 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 66766 | 20.6936 | 100 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 135152 | 19.1627 | 96 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 14485 | 16.2961 | 81 |
| 10 Isoprene | 67 | 1.809 | 1.800 | (0.398) | 155895 | 23.0735 | 120 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 82241 | 19.0084 | 95 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 9210 | 47.4923 | 240 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 79119 | 21.3896 | 110 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 314579 | 67.0600 | 340(R) |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 14576 | 28.1151 | 140 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 101527 | 13.9418 | 70 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25846.d
Report Date: 23-Sep-2009 17:50

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.461) | 265167 | 17.1278 | 86 |
| | 19 Isopropanol | 45 | 2.146 | 2.146 | (0.472) | 775462 | 3799.81 | 19000 |
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 50972 | 430.807 | 2200 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 40384 | 20.7872 | 100 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 99176 | 19.9737 | 100 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 182587 | 393.112 | 2000 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 93797 | 19.1282 | 96 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 46919 | 20.4359 | 100 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 275572 | 18.1228 | 91 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 58595 | 18.2394 | 91 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 167230 | 19.6627 | 98 |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.952 | (0.651) | 169619 | 14.2961 | 71 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 288247 | 19.1708 | 96 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 298665 | 19.0820 | 95 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.389 | (0.747) | 110217 | 18.0230 | 90 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 1143875 | 203.444 | 1000(R) |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 15489 | 21.8856 | 110 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 25196 | 38.8418 | 190 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 55211 | 18.8382 | 94 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 38040 | 23.1180 | 120(R) |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 171534 | 19.7027 | 98 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 134231 | 20.0030 | 100 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 152373 | 18.5528 | 93 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 108283 | 17.3854 | 87 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.030 | (0.886) | 123470 | 19.2295 | 96 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 208665 | 41.9301 | 42 |
| | 48 Benzene | 78 | 4.245 | 4.244 | (0.527) | 396296 | 20.0803 | 100 |
| | 49 1,2-Dichloroethane | 62 | 4.286 | 4.277 | (0.942) | 129713 | 19.1960 | 96 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 287936 | 18.9173 | 94 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 488497 | 38.4879 | 190 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1029838 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 106980 | 20.8300 | 100 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 174125 | 1817.80 | 9100 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.141 | (1.130) | 149647 | 17.8972 | 89 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.141 | (1.130) | 267614 | 19.6147 | 98 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.207 | (1.147) | 104118 | 20.2095 | 100 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 69671 | 19.3212 | 97 |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.405 | (1.190) | 31377 | 18.8833 | 94 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 332614 | 39.1744 | 200 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 131295 | 19.0763 | 95 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.038 | (0.750) | 186000 | 347.813 | 1700 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 154141 | 19.7661 | 99 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.359 | (0.790) | 109896 | 20.5900 | 100 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 644166 | 44.0048 | 44 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 416392 | 19.9831 | 100 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.878 | 6.870 | (0.854) | 139925 | 18.9449 | 95 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 82938 | 20.6153 | 100 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25846.d
Report Date: 23-Sep-2009 17:50

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 104871 | 20.1888 | 100 |
| | 72 1,3-Dichloropropane | 76 | 7.265 | 7.256 | (0.902) | 164493 | 20.2539 | 100 |
| | 73 2-Hexanone | 43 | 7.405 | 7.396 | (0.919) | 76280 | 19.7232 | 99 |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 104149 | 19.7897 | 99 |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 64049 | 39.7181 | 200 |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 105429 | 19.8585 | 99 |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 773509 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.079 | (1.003) | 264542 | 20.0444 | 100 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 87474 | 19.4305 | 97 |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 137912 | 20.2426 | 100 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 339825 | 40.8357 | 200 |
| | 84 o-Xylene | 106 | 8.664 | 8.656 | (1.076) | 162724 | 20.1425 | 100 |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.078) | 287087 | 20.0281 | 100 |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 86652 | 20.7761 | 100 |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 71592 | 16.5398 | 83 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 63006 | 22.8671 | 110 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.976 | (1.114) | 415506 | 21.7273 | 110 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 250504 | 43.0995 | 43 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 59453 | 8.20281 | 41(R) |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 116030 | 19.9657 | 100 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 137238 | 21.5852 | 110 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 39523 | 20.4915 | 100 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 35610 | 18.6822 | 93 |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 504836 | 21.3989 | 110 |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 293565 | 20.7232 | 100 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 332571 | 20.6492 | 100 |
| | 98 4-Chlorotoluene | 91 | 9.454 | 9.454 | (0.947) | 348453 | 21.0462 | 100 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 120359 | 19.7016 | 98 |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.692 | (0.971) | 276011 | 20.2794 | 100 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 334667 | 20.1842 | 100 |
| | 102 2-Octanone | 43 | 9.833 | 9.832 | (0.985) | 149183 | 22.6902 | 110 |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 416393 | 21.0713 | 100 |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 33773 | 12.6818 | 63 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 205191 | 19.9960 | 100 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 347033 | 20.6189 | 100 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 376006 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 214336 | 20.2270 | 100 |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 149129 | 14.8191 | 74 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 319666 | 20.6261 | 100 |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.269 | (1.029) | 190334 | 19.5989 | 98 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 18523 | 18.3251 | 92 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 38913 | 84.1275 | 420 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 106489 | 18.0001 | 90 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 33684 | 14.8066 | 74 |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 273759 | 18.8509 | 94 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 86885 | 17.7870 | 89 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 1237672 | 235.161 | 1200 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/22sep09a.b/b25846.d
Report Date: 23-Sep-2009 17:50

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| M 121 Xylene (Total) | 100 | | | | 502549 | 60.9836 | 300 |

QC Flag Legend

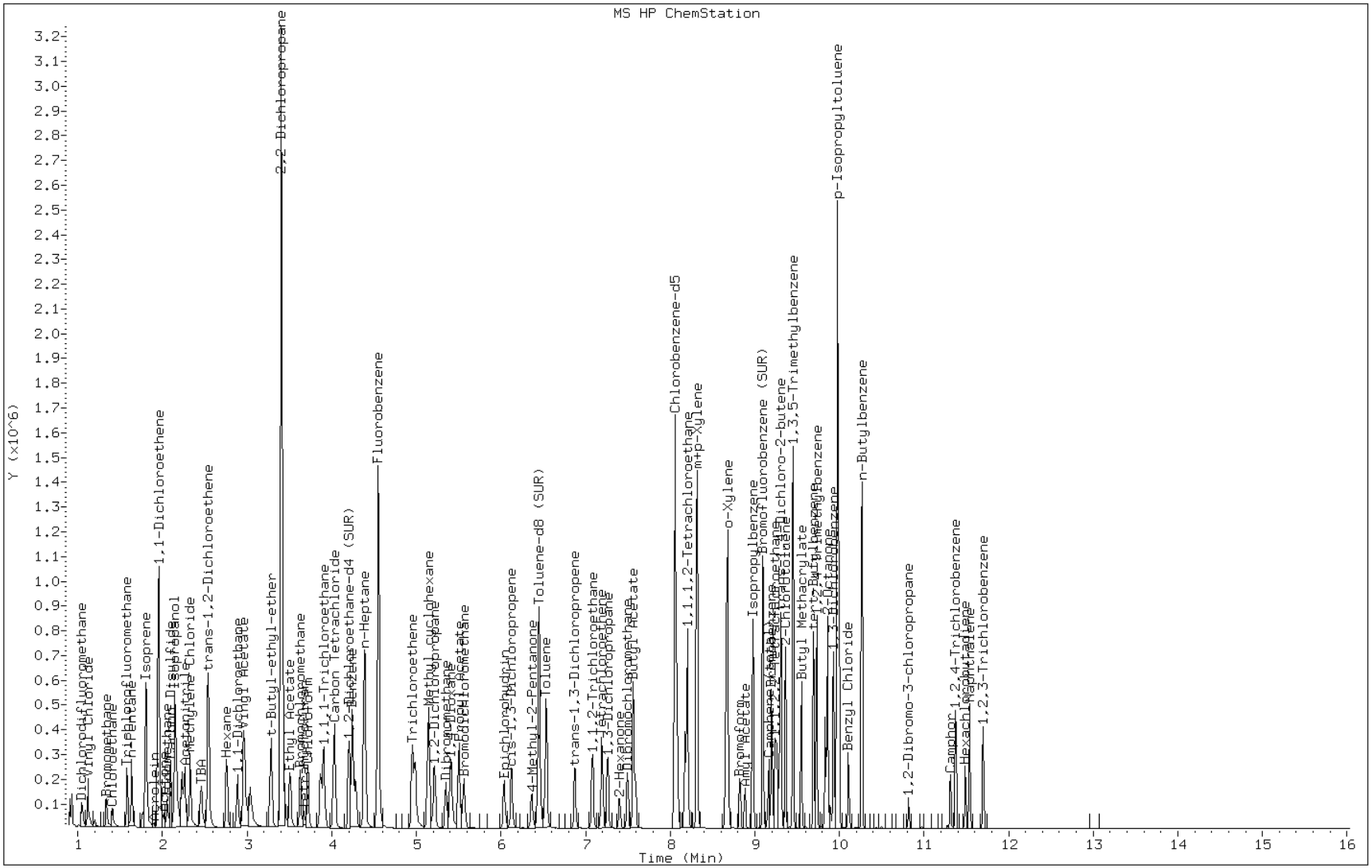
R - Spike/Surrogate failed recovery limits.

Data File: b25846.d

Date: 22-SEP-2009 23:45

Client ID: Instrument: VOAMS2.i

Sample Info: 460-5835-A-5MSD;5 Operator:



TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.i

Analytical Batch: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b

Date Generated: 09/21/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/19/09 0659 | b25720.d | 2 | BFB | | 0 | 0 | 1 | all | | 8260 HIGH | G |
| 09/19/09 0722 | b25721.d | 1 | IC-VM8LCAL1 | | 5 | 0 | 1 | all | | 8260 IS: 187152 SURR 500: | (N.U.) |
| 09/19/09 0748 | b25722.d | 2 | IC-VM8LCAL1 | | 5 | 0 | 1 | all | | SURR 250: 187151 GAS 500: | G |
| 09/19/09 0815 | b25723.d | 3 | IC-VM8LCAL2 | | 5 | 0 | 1 | all | | 200474 MIX 1 500: | (N.U.) |
| 09/19/09 0841 | b25724.d | 4 | IC-VM8LCAL2 | | 5 | 0 | 1 | all | | 185441 MIX 2 500: 185455 MIX 3: | G |
| 09/19/09 0908 | b25725.d | 5 | ICIS-VM8LCAL3 | | 5 | 0 | 1 | all | | 185456 AC/AC: 185458 GAS SP: | G |
| 09/19/09 0934 | b25726.d | 6 | IC-VM8LCAL4 | | 5 | 0 | 1 | all | | 200475 8260 SP: 185453 MIX 3 SP: | G |
| 09/19/09 1001 | b25727.d | 7 | IC-VM8LCAL5 | | 5 | 0 | 1 | all | | 185457 AC/AC SP: 185459 MISC: | G |
| 09/19/09 1027 | b25728.d | 8 | IC-VM8LCAL6 | | 5 | 0 | 1 | all | | | G |
| 09/19/09 1054 | b25729.d | 9 | BLK | | 5 | 0 | 1 | all | | M10H | (N.U.) |
| 09/19/09 1120 | b25730.d | 10 | ICV | | 5 | 0 | 1 | all | | G32E79 | G |
| 09/19/09 1147 | b25731.d | 11 | ICV | | 5 | 0 | 1 | all | | | (N.U.) |
| 09/19/09 1213 | b25732.d | 12 | BLK | | 5 | 0 | 1 | all | | | ↓ |

Signed: A. Tupayachi Read and Understood by: Melissa D'Amelio

Date: 9/19/09. Date: 9/21/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.i

Analytical Batch: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b

Date Generated: 09/22/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 1637 | b25785.d | 2 | BFB | | 0 | 0 | 1 | all | | 8260 HIGH | G |
| 09/21/09 1708 | b25786.d | 1 | CCVIS | | 5 | 5 | 1 | all | | 8260 IS: 00030 SURR 500: | Not used |
| 09/21/09 1734 | b25787.d | 2 | CCVIS | | 5 | 5 | 1 | all | | SURR 250: 00039 GAS 500: 200474 | G |
| 09/21/09 1816 | b25788.d | 1 | BLK | | 5 | 5 | 1 | all | | MIX 1 500: 185461 | NG |
| 09/21/09 1841 | b25789.d | 2 | LCS | | 5 | 5 | 1 | all | | MIX 2 500: 185455 MIX 3: 185456 | G |
| 09/21/09 1919 | b25790.d | 3 | MB | | 5 | 5 | 1 | all | | AC/AC: 185458 GAS SP: 200475 | NG |
| 09/21/09 1945 | b25791.d | 4 | MB | | 5 | 5 | 1 | all | | 8260 SP: 185453 MIX 3 SP: | NG |
| 09/21/09 2011 | b25792.d | 5 | MB | | 5 | 5 | 1 | all | | 185457 AC/AC SP: 185459 | G |
| 09/21/09 2038 | b25793.d | 6 | 460-5722-F-3 | TW-02RR | 5 | 0 | 1 | all | <2 | MISC: BFB 185461 G32E79 CH3OH1 | G |
| 09/21/09 2104 | b25794.d | 7 | 460-5722-D-3 MS | TW-02RR | 5 | 0 | 1 | all | <2 | | G |
| 09/21/09 2130 | b25795.d | 8 | 460-5722-D-3 MSD | TW-02RR | 5 | 0 | 1 | all | <2 | | G |
| 09/21/09 2156 | b25796.d | 9 | BLK | | 5 | 5 | 1 | all | | | NG |
| 09/21/09 2222 | b25797.d | 10 | 460-5670-A-6 | SP2-5-7-C PE FB VO | 5 | 0 | 1 | all | <2 | | G |
| 09/21/09 2248 | b25798.d | 11 | 460-5722-A-10 | Trip Blank 091509 | 5 | 0 | 1 | all | <2 | | G |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.i

Analytical Batch: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b

Date Generated: 09/22/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 2314 | b25799.d | 12 | 460-5722-E-1 | MW-31 | 5 | 0 | 1 | all | <2 | | G |
| 09/21/09 2340 | b25800.d | 13 | 460-5722-F-5 | MW-9S | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0007 | b25801.d | 14 | 460-5722-D-2 | MW-34 | 5 | 0 | 1 | all | <2 | | RR. clo. cont. |
| 09/22/09 0034 | b25802.d | 15 | 460-5722-D-4 | DUP-091509 | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0059 | b25803.d | 16 | 460-5722-D-6 | MW-32 | 5 | 0 | 1 | all | <2 | | NG. Internal ↓ |
| 09/22/09 0126 | b25804.d | 17 | 460-5722-F-7 | TW-01 | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0153 | b25805.d | 18 | 460-5722-F-8 | MW-35 | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0220 | b25806.d | 19 | 460-5722-D-9 | MW-36 | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0247 | b25807.d | 20 | 460-5728-B-10 | 152185-PB16-GW-53 | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0315 | b25808.d | 21 | 460-5741-A-7 | FB | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0343 | b25809.d | 22 | 460-5729-C-1 | Anthony-Seep-1 | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0410 | b25810.d | 23 | 460-5827-A-6 | RINSE BLANK | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0437 | b25811.d | 24 | 460-5811-C-5 | MW-2 | 5 | 0 | 2 | all | <2 | | NG. out of clock |
| 09/22/09 0504 | b25812.d | 25 | 460-5811-C-1 | MW-G3 | 5 | 0 | 1 | all | <2 | | NG ↓ |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.i

Analytical Batch: /chem/VOAMS2.i/8260_09/09-19-09/21sep09a.b

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/22/09 0531 | b25813.d | 26 | 460-5811-C-2 | MW-G4 | 5 | 0 | 1 | all | <2 | | NG- out of clock |
| 09/22/09 0558 | b25814.d | 27 | 460-5811-C-3 | MW-1 | 5 | 0 | 1 | all | <2 | | NG - |
| 09/22/09 0624 | b25815.d | 28 | 460-5811-A-4 | MW-6 | 5 | 0 | 1 | all | <2 | | NG - |

Signed: Saurabh Desai for Eddie Read and Understood by: Saurabh Desai

Date: 09/22/09 Date: 09/22/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.i

Analytical Batch: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b

Date Generated: 09/22/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/22/09 0811 | b25816.d | 2 | BFB | | 0 | 0 | 1 | all | | 8260 HIGH | |
| 09/22/09 0830 | b25817.d | 1 | CCVIS | | 5 | 5 | 1 | all | | 8260 IS: 187153 SURR 500: | G |
| 09/22/09 0908 | b25818.d | 2 | CCVIS | | 5 | 5 | 1 | all | | SURR 250: 187151 GAS 500: 109846 | NG Fails ↓ |
| 09/22/09 0944 | b25819.d | 3 | LCS | | 5 | 5 | 1 | all | | MIX 1 500: 185441 | G |
| 09/22/09 1010 | b25820.d | 4 | MB | | 5 | 5 | 1 | all | | MIX 2 500: 185465 MIX 3: 185456 | G |
| 09/22/09 1036 | b25821.d | 5 | MB | | 5 | 5 | 1 | all | | AC/AC: 185438 GAS SP: 109847 | NG c/o |
| 09/22/09 1112 | b25822.d | 6 | 460-5811-A-6 | TB GW091709 | 5 | 0 | 1 | all | L1 | 8260 SP: 185453 MIX 3 SP: 185457 | G |
| 09/22/09 1138 | b25823.d | 7 | 460-5811-A-7 | RB GW091709 | 5 | 0 | 1 | all | L1 | AC/AC SP: 185439 MISC: | G |
| 09/22/09 1204 | b25824.d | 8 | 460-5751-B-1 | RW-1 | 5 | 0 | 1 | all | L1 | | G |
| 09/22/09 1231 | b25825.d | 9 | 460-5811-B-2 | MW-G4 | 5 | 0 | 1 | all | L1 | | NG Not Needed |
| 09/22/09 1257 | b25826.d | 10 | 460-5811-B-5 | MW-2 | 5 | 0 | 2 | all | L1 | | G |
| 09/22/09 1324 | b25827.d | 11 | 460-5782-A-4 MS | MW-9 | 5 | 0 | 1 | all | L1 | | G |
| 09/22/09 1350 | b25828.d | 12 | 460-5782-A-4 MSD | MW-9 | 5 | 0 | 1 | all | L1 | | G |
| 09/22/09 1417 | b25829.d | 13 | BLANK | | 5 | 5 | 1 | all | | | G |
| | | | | | | | | | | | - |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.i

Analytical Batch: /chem/VOAMS2.i/8260_09/09-19-09/22sep09.b

Date Generated: 09/22/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/22/09 1443 | b25830.d | 14 | 460-5782-C-4 | MW-9 | 5 | 0 | 1 | all | 2 | | G |
| 09/22/09 1509 | b25831.d | 15 | 460-5914-D-10 | FB092109 | 5 | 0 | 1 | all | 2 | | NG RR to Conf |
| 09/22/09 1536 | b25832.d | 16 | 460-5914-B-11 | Trip Blank | 5 | 0 | 1 | all | 2 | | NG RR to Conf |
| 09/22/09 1602 | b25833.d | 17 | 460-5811-B-3 | MW-1 | 5 | 0 | 1 | all | 2 | | G |
| 09/22/09 1710 | b25834.d | 18 | 460-5811-B-4 | MW-6 | 5 | 0 | 1 | all | 2 | | G |
| 09/22/09 1736 | b25835.d | 19 | 460-5782-B-7 | TBGW091609 | 5 | 0 | 1 | all | 2 | | NG RR to Conf |
| 09/22/09 1801 | b25836.d | 20 | 460-5722-F-6 | MW-32 | 5 | 0 | 1 | all | 2 | | NG Sample not taken, Archon error |
| 09/22/09 1827 | b25837.d | 21 | 460-5722-E-2 | MW-34 | 5 | 0 | 1 | all | 2 | | G |

Problems w/Archon; instrument stopped

Signed: Eddie Mang for SD Read and Understood by: Ken Boggs

Date: 09/21/09 Date: 09/21/09

# GC/MS SEMI VOA

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-5MS ID: 0.25 (mm)

| Client Sample ID | Lab Sample ID | 2FP | # | PHL | # | NBZ | # | FBP | # | TBP | # | TPH | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-31 | 460-5722-1 | 45 | | 31 | | 93 | | 92 | | 88 | | 105 | |
| MW-34 | 460-5722-2 | 47 | | 31 | | 97 | | 97 | | 74 | | 103 | |
| TW-02RR | 460-5722-3 | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D |
| DUP-091509 | 460-5722-4 | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D |
| MW-9S | 460-5722-5 | 50 | | 34 | | 97 | | 99 | | 91 | | 97 | |
| MW-32 | 460-5722-6 | 52 | | 34 | | 101 | | 102 | | 84 | | 104 | |
| TW-01 | 460-5722-7 | 43 | | 29 | | 92 | | 95 | | 81 | | 97 | |
| MW-35 | 460-5722-8 | 39 | | 29 | | 95 | | 96 | | 81 | | 97 | |
| MW-36 | 460-5722-9 | 47 | | 29 | | 97 | | 97 | | 66 | X | 101 | |
| | MB 460-17294/1-A | 47 | | 37 | | 77 | | 73 | | 70 | | 75 | |
| | LCS 460-17294/2-A | 56 | | 41 | | 89 | | 91 | | 79 | | 85 | |
| TW-02RR MS | 460-5722-3 MS | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D |
| TW-02RR MSD | 460-5722-3 MSD | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D |

| | QC LIMITS |
|---|---|
| 2FP = 2-Fluorophenol | 15-57 |
| PHL = Phenol-d5 | 10-41 |
| NBZ = Nitrobenzene-d5 | 69-120 |
| FBP = 2-Fluorobiphenyl | 64-119 |
| TBP = 2,4,6-Tribromophenol | 69-127 |
| TPH = Terphenyl-d14 | 38-141 |

# Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z4018.d

Lab ID: LCS 460-17294/2-A Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Aniline | 100 | 71.1 | 71 | 45-90 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z4025.d

Lab ID: 460-5722-3 MS Client ID: TW-02RR MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Aniline | 100 | 1600 | 1730 | 171 | 45-90 | 4 |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z4026.d

Lab ID: 460-5722-3 MSD Client ID: TW-02RR MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Aniline | 100 | 1600 | 41 | 8 | 30 | 45-90 | 4 |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: z4273.d Lab Sample ID: MB 460-17294/1-A

Matrix: Water Date Extracted: 09/17/2009 18:40

Instrument ID: BNAMS11 Date Analyzed: 09/28/2009 10:00

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| MW-31 | 460-5722-1 | z3935.d | 09/18/2009 18:38 |
| MW-34 | 460-5722-2 | z3936.d | 09/18/2009 19:02 |
| MW-9S | 460-5722-5 | z3938.d | 09/18/2009 19:51 |
| MW-32 | 460-5722-6 | z3939.d | 09/18/2009 20:15 |
| TW-01 | 460-5722-7 | z3940.d | 09/18/2009 20:39 |
| MW-35 | 460-5722-8 | z3941.d | 09/18/2009 21:03 |
| MW-36 | 460-5722-9 | z3942.d | 09/18/2009 21:27 |
| | LCS 460-17294/2-A | z4018.d | 09/21/2009 07:30 |
| TW-02RR | 460-5722-3 | z4024.d | 09/21/2009 09:58 |
| TW-02RR MS | 460-5722-3 MS | z4025.d | 09/21/2009 10:22 |
| TW-02RR MSD | 460-5722-3 MSD | z4026.d | 09/21/2009 10:46 |
| DUP-091509 | 460-5722-4 | z4027.d | 09/21/2009 11:11 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: z3791.d DFTPP Injection Date: 09/14/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 08:55

Analysis Batch No.: 17124

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 44.0 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 39.2 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 48.4 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.4 | |
| 275 | 10.0 - 30.0 % of mass 198 | 21.9 | |
| 365 | Greater than 1.0 % of mass 198 | 2.5 | |
| 441 | Present but less than mass 443 | 10.4 | |
| 442 | Greater than 40.0 % of mass 198 | 72.2 | |
| 443 | 17.0 - 23.0 % of mass 442 | 14.4 | (19.9)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | ICIS 460-17124/2 | z3793.d | 09/14/2009 | 09:46 |
| | IC 460-17124/3 | z3794.d | 09/14/2009 | 10:20 |
| | IC 460-17124/4 | z3795.d | 09/14/2009 | 10:44 |
| | IC 460-17124/5 | z3796.d | 09/14/2009 | 11:09 |
| | IC 460-17124/6 | z3797.d | 09/14/2009 | 11:33 |
| | IC 460-17124/7 | z3799.d | 09/14/2009 | 12:48 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: z3920.d DFTPP Injection Date: 09/18/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 10:27

Analysis Batch No.: 17472

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 41.9 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 39.2 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 51.2 | |
| 197 | Less than 1.0 % of mass 198 | 0.5 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.7 | |
| 275 | 10.0 - 30.0 % of mass 198 | 26.1 | |
| 365 | Greater than 1.0 % of mass 198 | 2.3 | |
| 441 | Present but less than mass 443 | 12.6 | |
| 442 | Greater than 40.0 % of mass 198 | 87.9 | |
| 443 | 17.0 - 23.0 % of mass 442 | 16.5 | (18.7)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17472/2 | z3922.d | 09/18/2009 | 11:30 |
| MW-31 | 460-5722-1 | z3935.d | 09/18/2009 | 18:38 |
| MW-34 | 460-5722-2 | z3936.d | 09/18/2009 | 19:02 |
| MW-9S | 460-5722-5 | z3938.d | 09/18/2009 | 19:51 |
| MW-32 | 460-5722-6 | z3939.d | 09/18/2009 | 20:15 |
| TW-01 | 460-5722-7 | z3940.d | 09/18/2009 | 20:39 |
| MW-35 | 460-5722-8 | z3941.d | 09/18/2009 | 21:03 |
| MW-36 | 460-5722-9 | z3942.d | 09/18/2009 | 21:27 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: z4009.d DFTPP Injection Date: 09/21/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 00:31

Analysis Batch No.: 17499

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 39.4 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 37.5 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 48.9 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.4 | |
| 275 | 10.0 - 30.0 % of mass 198 | 26.0 | |
| 365 | Greater than 1.0 % of mass 198 | 2.6 | |
| 441 | Present but less than mass 443 | 12.4 | |
| 442 | Greater than 40.0 % of mass 198 | 90.1 | |
| 443 | 17.0 - 23.0 % of mass 442 | 17.3 | (19.2)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | ICIS 460-17499/2 | z4010.d | 09/21/2009 | 01:32 |
| | IC 460-17499/3 | z4011.d | 09/21/2009 | 02:22 |
| | IC 460-17499/4 | z4012.d | 09/21/2009 | 02:46 |
| | IC 460-17499/5 | z4013.d | 09/21/2009 | 03:10 |
| | IC 460-17499/6 | z4014.d | 09/21/2009 | 03:34 |
| | IC 460-17499/7 | z4015.d | 09/21/2009 | 03:58 |
| | LCS 460-17294/2-A | z4018.d | 09/21/2009 | 07:30 |
| TW-02RR | 460-5722-3 | z4024.d | 09/21/2009 | 09:58 |
| TW-02RR MS | 460-5722-3 MS | z4025.d | 09/21/2009 | 10:22 |
| TW-02RR MSD | 460-5722-3 MSD | z4026.d | 09/21/2009 | 10:46 |
| DUP-091509 | 460-5722-4 | z4027.d | 09/21/2009 | 11:11 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab File ID: z4269.d DFTPP Injection Date: 09/28/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 08:12

Analysis Batch No.: 18146

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 39.2 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 38.3 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 50.6 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 7.0 | |
| 275 | 10.0 - 30.0 % of mass 198 | 23.7 | |
| 365 | Greater than 1.0 % of mass 198 | 3.1 | |
| 441 | Present but less than mass 443 | 11.8 | |
| 442 | Greater than 40.0 % of mass 198 | 81.6 | |
| 443 | 17.0 - 23.0 % of mass 442 | 15.9 | (19.5)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-18146/2 | z4270.d | 09/28/2009 | 08:32 |
| | MB 460-17294/1-A | z4273.d | 09/28/2009 | 10:00 |

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Sample No.: CCVIS 460-17472/2 Date Analyzed: 09/18/2009 11:30

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z3922.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 377138 | 4.45 | 1317131 | 5.74 | 627820 | 7.49 |
| UPPER LIMIT | | 754276 | 4.95 | 2634262 | 6.24 | 1255640 | 7.99 |
| LOWER LIMIT | | 188569 | 3.95 | 658566 | 5.24 | 313910 | 6.99 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| 460-5722-1 | MW-31 | 388989 | 4.45 | 1393922 | 5.73 | 701859 | 7.49 |
| 460-5722-2 | MW-34 | 400036 | 4.45 | 1456579 | 5.73 | 706039 | 7.49 |
| 460-5722-5 | MW-9S | 465660 | 4.45 | 1693942 | 5.73 | 812115 | 7.49 |
| 460-5722-6 | MW-32 | 367548 | 4.45 | 1310227 | 5.73 | 611514 | 7.49 |
| 460-5722-7 | TW-01 | 433526 | 4.45 | 1531189 | 5.73 | 713171 | 7.49 |
| 460-5722-8 | MW-35 | 434667 | 4.45 | 1554627 | 5.73 | 754745 | 7.49 |
| 460-5722-9 | MW-36 | 420196 | 4.45 | 1491740 | 5.73 | 719136 | 7.49 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Sample No.: CCVIS 460-17472/2 Date Analyzed: 09/18/2009 11:30

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z3922.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 854255 | 8.96 | 487983 | 11.76 | 298477 | 13.70 |
| UPPER LIMIT | | 1708510 | 9.46 | 975966 | 12.26 | 596954 | 14.20 |
| LOWER LIMIT | | 427128 | 8.46 | 243992 | 11.26 | 149239 | 13.20 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| 460-5722-1 | MW-31 | 932170 | 8.95 | 457289 | 11.75 | 279975 | 13.69 |
| 460-5722-2 | MW-34 | 927779 | 8.95 | 485949 | 11.74 | 295363 | 13.69 |
| 460-5722-5 | MW-9S | 1026484 | 8.96 | 556234 | 11.75 | 351467 | 13.69 |
| 460-5722-6 | MW-32 | 777408 | 8.96 | 424063 | 11.74 | 263878 | 13.69 |
| 460-5722-7 | TW-01 | 908947 | 8.95 | 497153 | 11.75 | 305566 | 13.69 |
| 460-5722-8 | MW-35 | 995635 | 8.96 | 588629 | 11.74 | 365421 | 13.69 |
| 460-5722-9 | MW-36 | 928667 | 8.95 | 489397 | 11.75 | 313048 | 13.69 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Sample No.: ICIS 460-17499/2 Date Analyzed: 09/21/2009 01:32

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4010.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| INITIAL CALIBRATION MID-POINT | | 305592 | 4.37 | 1052231 | 5.65 | 484646 | 7.40 |
| UPPER LIMIT | | 611184 | 4.87 | 2104462 | 6.15 | 969292 | 7.90 |
| LOWER LIMIT | | 152796 | 3.87 | 526116 | 5.15 | 242323 | 6.90 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17294/2-A | | 428866 | 4.37 | 1487934 | 5.65 | 649841 | 7.40 |
| 460-5722-3 | TW-02RR | 415074 | 4.36 | 1530938 | 5.65 | 763724 | 7.40 |
| 460-5722-3 MS | TW-02RR MS | 368904 | 4.36 | 1344154 | 5.65 | 645390 | 7.40 |
| 460-5722-3 MSD | TW-02RR MSD | 367107 | 4.36 | 1343208 | 5.65 | 640659 | 7.40 |
| 460-5722-4 | DUP-091509 | 405838 | 4.36 | 1484598 | 5.65 | 708947 | 7.40 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Sample No.: ICIS 460-17499/2 Date Analyzed: 09/21/2009 01:32

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4010.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| INITIAL CALIBRATION MID-POINT | | 592573 | 8.87 | 297279 | 11.63 | 196937 | 13.55 |
| UPPER LIMIT | | 1185146 | 9.37 | 594558 | 12.13 | 393874 | 14.05 |
| LOWER LIMIT | | 296287 | 8.37 | 148640 | 11.13 | 98469 | 13.05 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17294/2-A | | 728871 | 8.86 | 386820 | 11.63 | 271875 | 13.55 |
| 460-5722-3 | TW-02RR | 1026270 | 8.86 | 515753 | 11.63 | 294629 | 13.54 |
| 460-5722-3 MS | TW-02RR MS | 816016 | 8.86 | 391560 | 11.63 | 239881 | 13.54 |
| 460-5722-3 MSD | TW-02RR MSD | 792455 | 8.86 | 389708 | 11.63 | 242343 | 13.55 |
| 460-5722-4 | DUP-091509 | 882911 | 8.86 | 407882 | 11.63 | 260341 | 13.54 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Sample No.: CCVIS 460-18146/2 Date Analyzed: 09/28/2009 08:32

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4270.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 346334 | 4.23 | 1205533 | 5.51 | 550824 | 7.27 |
| UPPER LIMIT | | 692668 | 4.73 | 2411066 | 6.01 | 1101648 | 7.77 |
| LOWER LIMIT | | 173167 | 3.73 | 602767 | 5.01 | 275412 | 6.77 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 460-17294/1-A | | 490863 | 4.23 | 1774878 | 5.51 | 864333 | 7.26 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Sample No.: CCVIS 460-18146/2 Date Analyzed: 09/28/2009 08:32

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4270.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 671532 | 8.72 | 365584 | 11.46 | 243848 | 13.34 |
| UPPER LIMIT | | 1343064 | 9.22 | 731168 | 11.96 | 487696 | 13.84 |
| LOWER LIMIT | | 335766 | 8.22 | 182792 | 10.96 | 121924 | 12.84 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 460-17294/1-A | | 1141101 | 8.72 | 573900 | 11.45 | 351424 | 13.34 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-5722-1

Matrix: Water | Lab File ID: z3935.d

Analysis Method: 8270C | Date Collected: 09/15/2009 14:05

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/18/2009 18:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17472 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 2.5 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 92 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 45 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 93 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 31 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 105 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 88 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3935.d
Report Date: 21-Sep-2009 11:01

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3935.d
Lab Smp Id: 460-5722-H-1-A  Client Smp ID: MW-31
Inj Date  : 18-SEP-2009 18:38
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5722-H-1-A
Misc Info : 460-5722-H-1-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/8270C_08SP.m
Meth Date : 18-Sep-2009 12:06 croccom  Quant Type: ISTD
Cal Date  : 18-SEP-2009 11:30  Cal File: z3922.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.169 | 3.169 | (0.712) | 293700 | 22.6511 | 45 |
| $ 17 Phenol-d5 (SUR) | 99 | 4.075 | 4.098 | (0.915) | 219267 | 15.5731 | 31 |
| 73 Aniline | 93 | 4.116 | 4.128 | (0.925) | 2130 | 0.11051 | 0.22(a) |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.451 | 4.451 | (1.000) | 388989 | 40.0000 | |
| 22 1,4-Dichlorobenzene | 146 | 4.463 | 4.469 | (1.003) | 5243 | 0.32854 | 0.66(aH) |
| 23 1,2-Dichlorobenzene | 146 | 4.622 | 4.622 | (1.038) | 29166 | 1.96234 | 3.9(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 5.004 | 5.016 | (0.873) | 621006 | 46.5623 | 93 |
| 107 N,N-Dimethylaniline | 120 | 5.028 | 5.040 | (1.129) | 23859 | 1.23976 | 2.5(H) |
| * 80 Naphthalene-d8 | 136 | 5.734 | 5.739 | (1.000) | 1393922 | 40.0000 | |
| 32 4-Chloroaniline | 127 | 5.804 | 5.810 | (1.012) | 355690 | 25.2886 | 50 |
| 34 2-Methylnaphthalene | 142 | 6.363 | 6.451 | (1.110) | 3608 | 0.16103 | 0.32(a) |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.816 | 6.822 | (0.910) | 1084489 | 45.9439 | 92 |
| * 82 Acenaphthene-d10 | 164 | 7.486 | 7.492 | (1.000) | 701859 | 40.0000 | |
| 42 Acenaphthene | 154 | 7.516 | 7.528 | (1.004) | 12478 | 0.64937 | 1.3(a) |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.263 | 8.275 | (1.104) | 111103 | 43.9047 | 88 |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3935.d
Report Date: 21-Sep-2009 11:01

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| * 83 Phenanthrene-d10 | 188 | 8.951 | 8.963 | (1.000) | 932170 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.539 | 10.545 | (0.897) | 672774 | 52.3560 | 100 |
| * 81 Chrysene-d12 | 240 | 11.745 | 11.763 | (1.000) | 457289 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.686 | 13.698 | (1.000) | 279975 | 40.0000 | |

QC Flag Legend

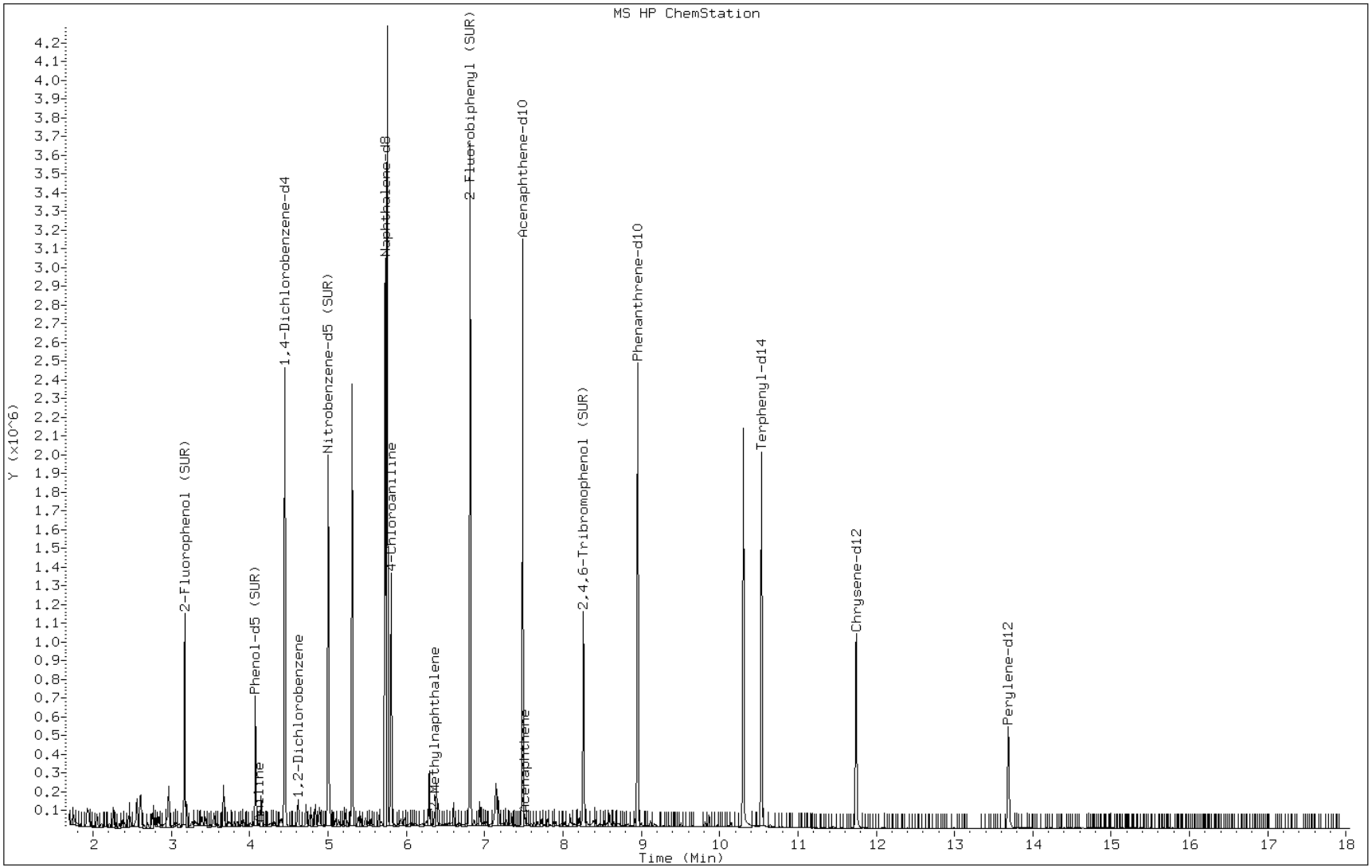
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z3935.d

Date: 18-SEP-2009 18:38

Client ID: MW-31 Instrument: BNAMS11.i

Sample Info: 460-5722-H-1-A Operator: BNAMS 4



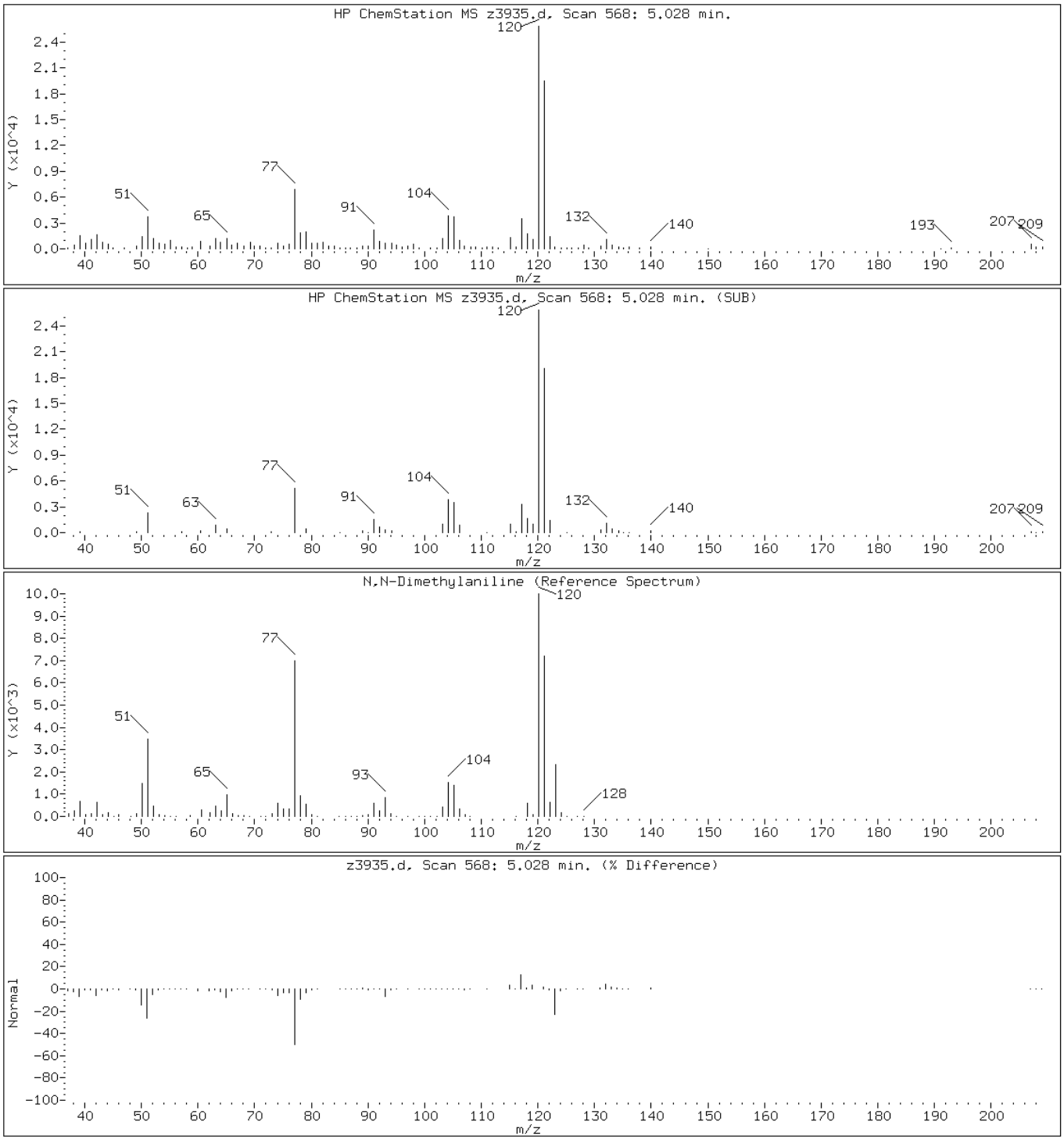
Data File: z3935.d

Date: 18-SEP-2009 18:38

Client ID: MW-31 Instrument: BNAMS11.i

Sample Info: 460-5722-H-1-A Operator: BNAMS 4

107 N,N-Dimethylaniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-34 | Lab Sample ID: 460-5722-2

Matrix: Water | Lab File ID: z3936.d

Analysis Method: 8270C | Date Collected: 09/15/2009 12:45

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/18/2009 19:02

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17472 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 2.5 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 97 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 47 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 97 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 31 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 103 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 74 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3936.d
Report Date: 21-Sep-2009 05:05

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3936.d
Lab Smp Id: 460-5722-H-2-A  Client Smp ID: MW-34
Inj Date  : 18-SEP-2009 19:02
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5722-H-2-A
Misc Info : 460-5722-H-2-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/8270C_08SP.m
Meth Date : 18-Sep-2009 12:06 croccom  Quant Type: ISTD
Cal Date  : 18-SEP-2009 11:30  Cal File: z3922.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.169 | 3.169 | (0.713) | 315538 | 23.6633 | 47 |
| $ 17 Phenol-d5 (SUR) | 99 | 4.075 | 4.098 | (0.917) | 223078 | 15.4062 | 31 |
| 73 Aniline | 93 | 4.116 | 4.128 | (0.926) | 9314 | 0.46989 | 0.94(aH) |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.445 | 4.451 | (1.000) | 400036 | 40.0000 | |
| 22 1,4-Dichlorobenzene | 146 | 4.463 | 4.469 | (1.004) | 1694 | 0.10322 | 0.21(a) |
| 23 1,2-Dichlorobenzene | 146 | 4.622 | 4.622 | (1.040) | 7507 | 0.49114 | 0.98(a) |
| 4 4-Methylphenol | 108 | 4.892 | 4.869 | (1.101) | 1823 | 0.15777 | 0.32(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 5.004 | 5.016 | (0.873) | 673279 | 48.3101 | 97 |
| 27 Nitrobenzene | 77 | 5.022 | 5.040 | (0.876) | 7214 | 0.38200 | 0.76(a) |
| 107 N,N-Dimethylaniline | 120 | 5.028 | 5.040 | (1.131) | 24530 | 1.23943 | 2.5 |
| * 80 Naphthalene-d8 | 136 | 5.734 | 5.739 | (1.000) | 1456579 | 40.0000 | |
| 32 4-Chloroaniline | 127 | 5.804 | 5.810 | (1.012) | 102271 | 6.95841 | 14 |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.816 | 6.822 | (0.910) | 1156217 | 48.6926 | 97 |
| * 82 Acenaphthene-d10 | 164 | 7.486 | 7.492 | (1.000) | 706039 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.263 | 8.275 | (1.104) | 94015 | 36.9321 | 74 |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3936.d
Report Date: 21-Sep-2009 05:05

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| * 83 Phenanthrene-d10 | 188 | 8.951 | 8.963 | (1.000) | 927779 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.533 | 10.545 | (0.897) | 700987 | 51.3343 | 100 |
| * 81 Chrysene-d12 | 240 | 11.745 | 11.763 | (1.000) | 485949 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.686 | 13.698 | (1.000) | 295363 | 40.0000 | |

QC Flag Legend

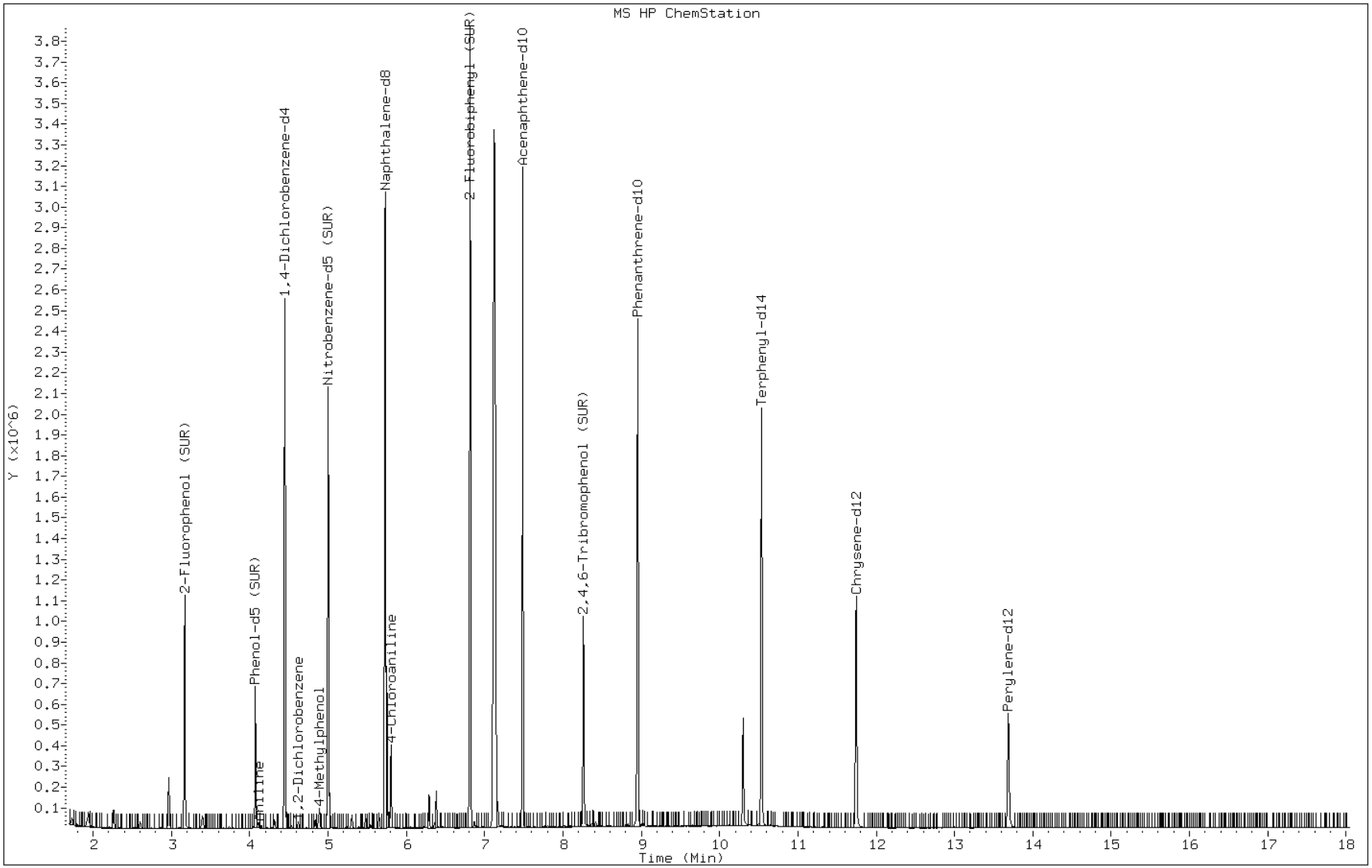
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z3936.d

Date: 18-SEP-2009 19:02

Client ID: MW-34 Instrument: BNAMS11.i

Sample Info: 460-5722-H-2-A Operator: BNAMS 4



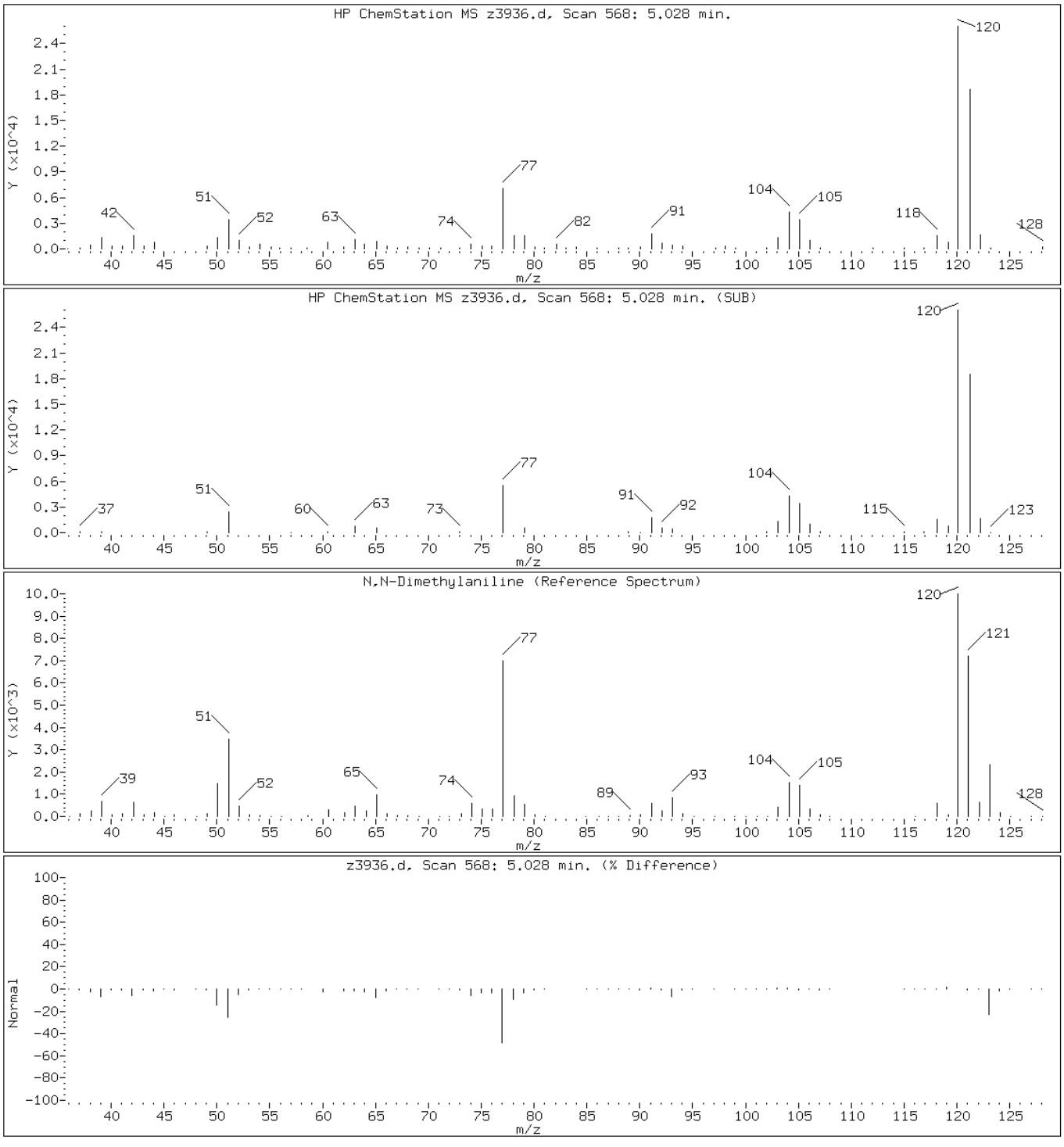
Data File: z3936.d

Date: 18-SEP-2009 19:02

Client ID: MW-34 Instrument: BNAMS11.i

Sample Info: 460-5722-H-2-A Operator: BNAMS 4

107 N,N-Dimethylaniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-02RR | Lab Sample ID: 460-5722-3

Matrix: Water | Lab File ID: z4024.d

Analysis Method: 8270C | Date Collected: 09/15/2009 10:00

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/21/2009 09:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 1600 | | 50 | 17 |
| 121-69-7 | n,n'-Dimethylaniline | 10 | U | 10 | 2.7 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 0 | 64-119 | D |
| 367-12-4 | 2-Fluorophenol | 0 | 15-57 | D |
| 4165-60-0 | Nitrobenzene-d5 | 0 | 69-120 | D |
| 4165-62-2 | Phenol-d5 | 0 | 10-41 | D |
| 1718-51-0 | Terphenyl-d14 | 0 | 38-141 | D |
| 118-79-6 | 2,4,6-Tribromophenol | 0 | 69-127 | D |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4024.d
Report Date: 22-Sep-2009 14:53

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4024.d
Lab Smp Id: 460-5722-H-3-C  Client Smp ID: TW-02RR
Inj Date  : 21-SEP-2009 09:58
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5722-H-3-C
Misc Info : 460-5722-H-3-C
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin  Quant Type: ISTD
Cal Date  : 21-SEP-2009 01:32  Cal File: z4010.d
Als bottle: 16
Dil Factor: 10.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 10.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 73 Aniline | 93 | 4.040 | 4.040 | (0.926) | 1574013 | 78.0752 | 1600 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 415074 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 5357 | 0.31098 | 6.2(a) |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 2358 | 0.14864 | 3.0(a) |
| | 107 N,N-Dimethylaniline | 120 | 4.940 | 4.951 | (1.132) | 2575 | 0.12707 | 2.5(a) |
| * | 80 Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1530938 | 40.0000 | |
| | 32 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 5912 | 0.39122 | 7.8(a) |
| | 120 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 4108 | 0.17949 | 3.6(a) |
| * | 82 Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 763724 | 40.0000 | |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 1026270 | 40.0000 | |
| * | 81 Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 515753 | 40.0000 | |
| * | 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 294629 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4024.d
Report Date: 22-Sep-2009 14:53

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z4024.d

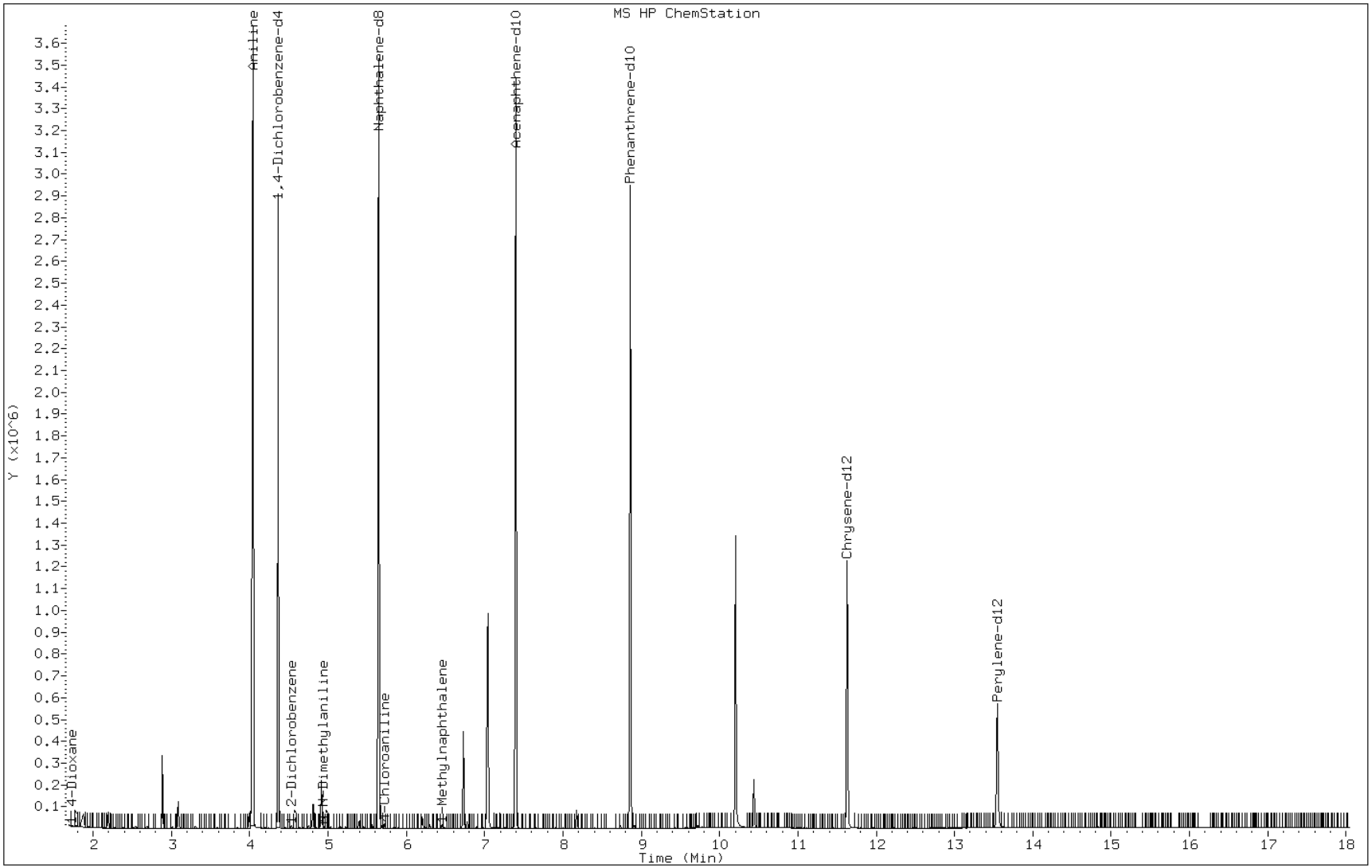
Date: 21-SEP-2009 09:58

Client ID: TW-02RR

Instrument: BNAMS11.i

Sample Info: 460-5722-H-3-C

Operator: BNAMS 4



Data File: z4024.d

Date: 21-SEP-2009 09:58

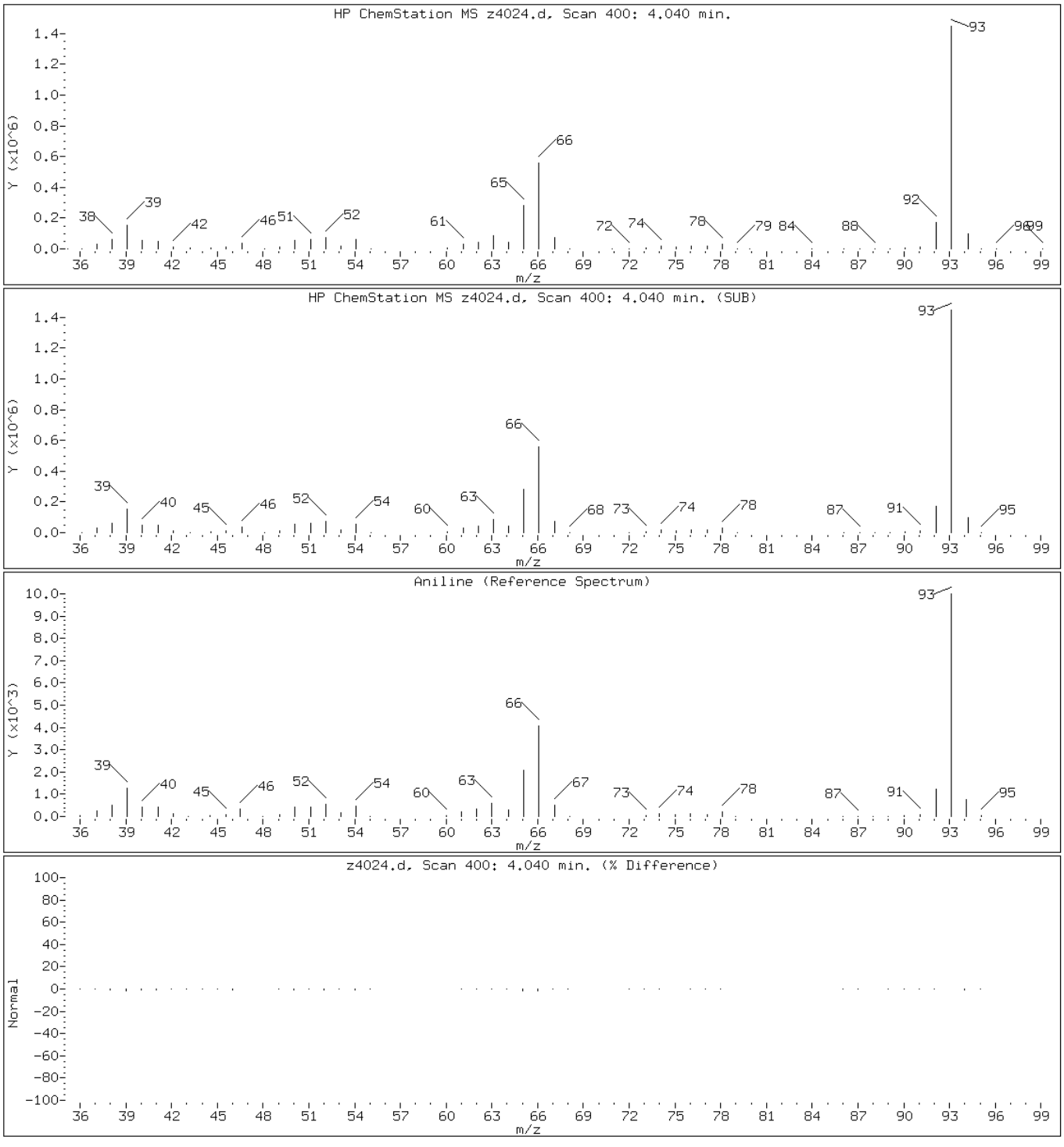
Client ID: TW-02RR

Instrument: BNAMS11.i

Sample Info: 460-5722-H-3-C

Operator: BNAMS 4

73 Aniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: DUP-091509 | Lab Sample ID: 460-5722-4

Matrix: Water | Lab File ID: z4027.d

Analysis Method: 8270C | Date Collected: 09/15/2009 00:00

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/21/2009 11:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 1500 | | 50 | 17 |
| 121-69-7 | n,n'-Dimethylaniline | 10 | U | 10 | 2.7 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 0 | 64-119 | D |
| 367-12-4 | 2-Fluorophenol | 0 | 15-57 | D |
| 4165-60-0 | Nitrobenzene-d5 | 0 | 69-120 | D |
| 4165-62-2 | Phenol-d5 | 0 | 10-41 | D |
| 1718-51-0 | Terphenyl-d14 | 0 | 38-141 | D |
| 118-79-6 | 2,4,6-Tribromophenol | 0 | 69-127 | D |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4027.d
Report Date: 21-Sep-2009 15:48

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4027.d
Lab Smp Id: 460-5722-H-4-A  Client Smp ID: DUP-091509
Inj Date  : 21-SEP-2009 11:11
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5722-H-4-A
Misc Info : 460-5722-H-4-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin  Quant Type: ISTD
Cal Date  : 21-SEP-2009 01:32  Cal File: z4010.d
Als bottle: 19
Dil Factor: 10.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 10.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 73 Aniline | 93 | 4.040 | 4.040 | (0.926) | 1472842 | 74.7195 | 1500 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 405838 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 4659 | 0.27662 | 5.5(a) |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 2093 | 0.13494 | 2.7(a) |
| | 107 N,N-Dimethylaniline | 120 | 4.940 | 4.951 | (1.132) | 2166 | 0.10932 | 2.2(aH) |
| * | 80 Naphthalene-d8 | 136 | 5.646 | 5.651 | (1.000) | 1484598 | 40.0000 | |
| | 32 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 4855 | 0.33130 | 6.6(a) |
| | 120 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 3530 | 0.15905 | 3.2(a) |
| * | 82 Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 708947 | 40.0000 | |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 882911 | 40.0000 | |
| * | 81 Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 407882 | 40.0000 | |
| * | 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 260341 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4027.d
Report Date: 21-Sep-2009 15:48

QC Flag Legend

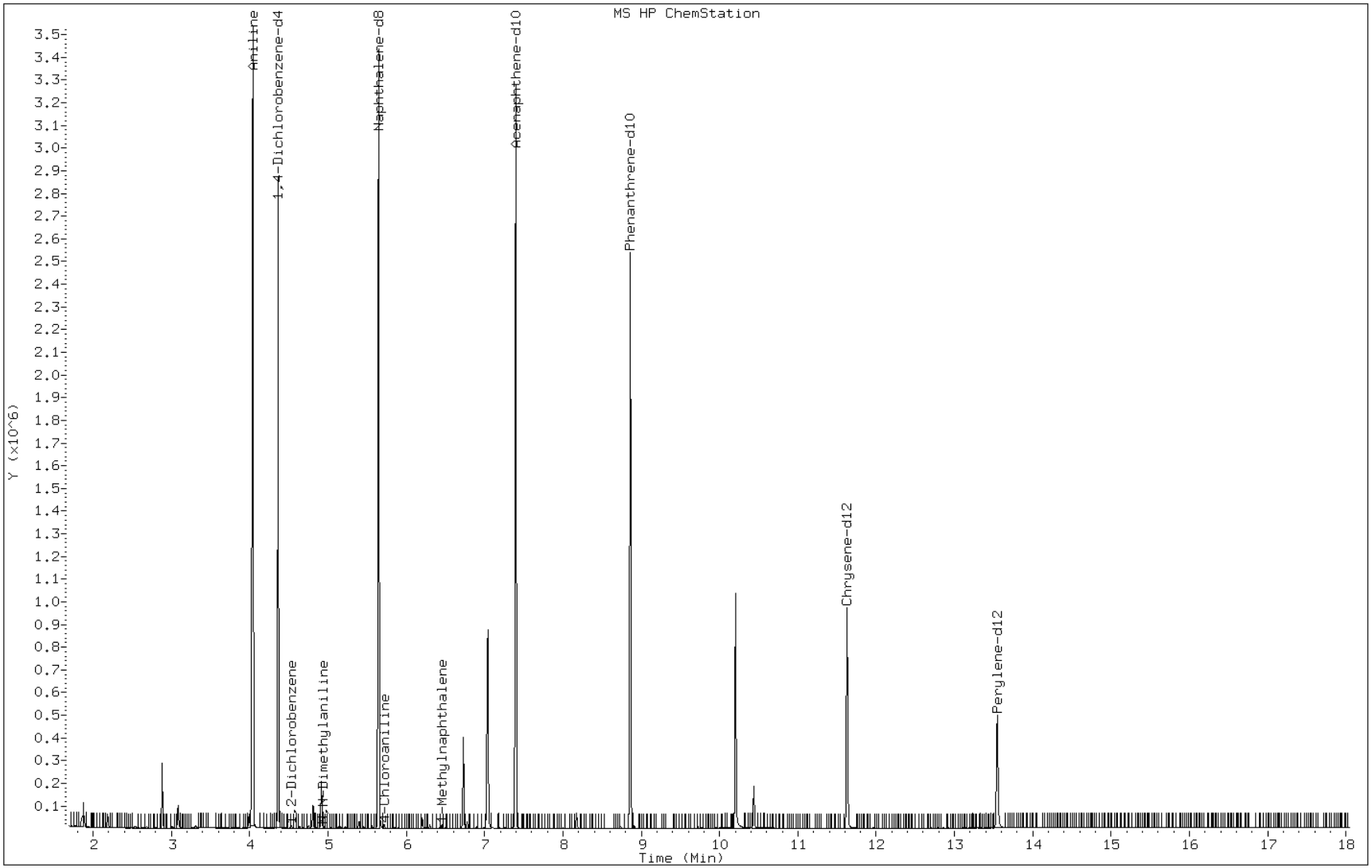
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z4027.d

Date: 21-SEP-2009 11:11

Client ID: DUP-091509 Instrument: BNAMS11.i

Sample Info: 460-5722-H-4-A Operator: BNAMS 4



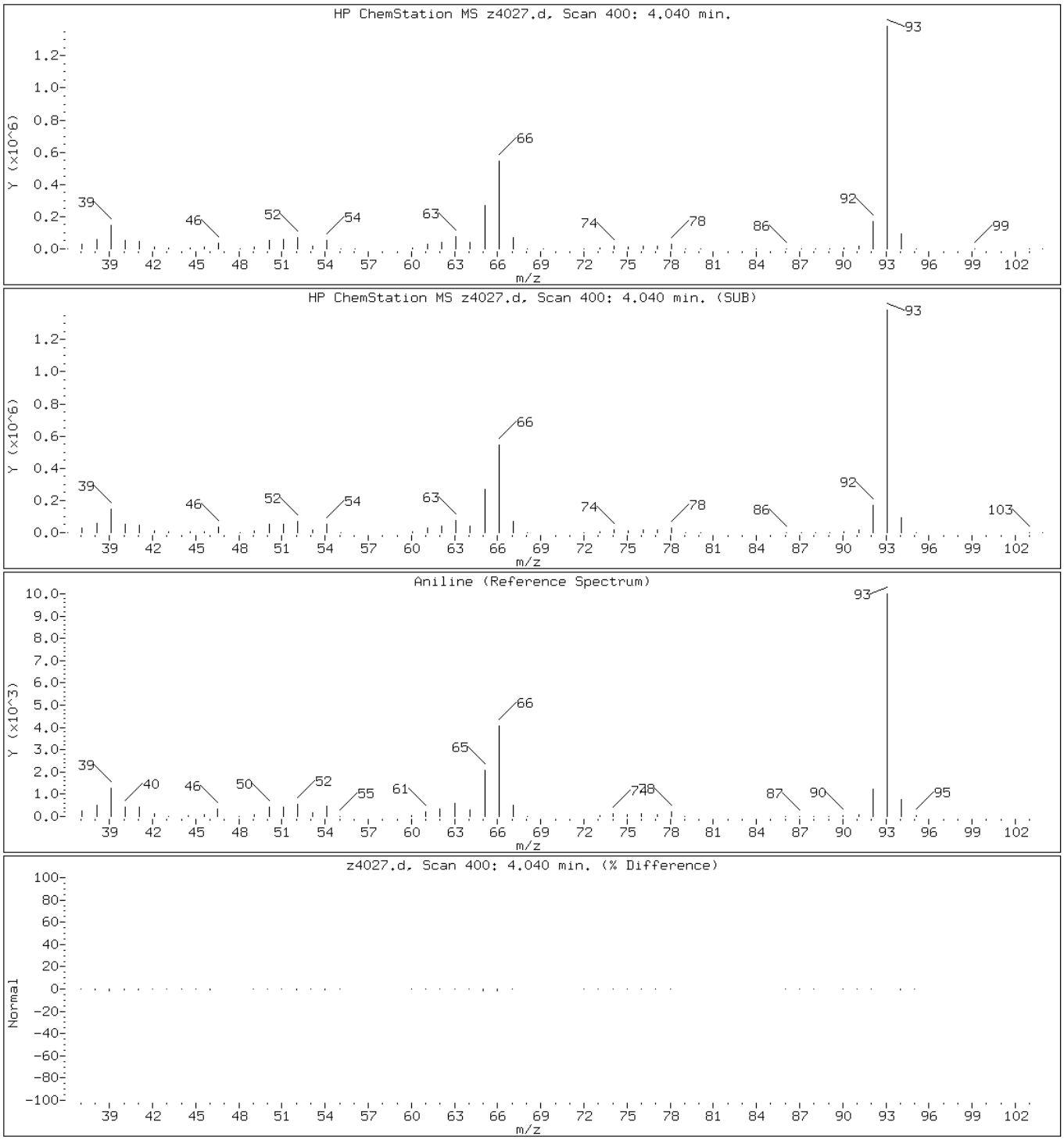
Data File: z4027.d

Date: 21-SEP-2009 11:11

Client ID: DUP-091509 Instrument: BNAMS11.i

Sample Info: 460-5722-H-4-A Operator: BNAMS 4

73 Aniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-9S | Lab Sample ID: 460-5722-5

Matrix: Water | Lab File ID: z3938.d

Analysis Method: 8270C | Date Collected: 09/15/2009 13:15

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/18/2009 19:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17472 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 4.1 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 99 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 50 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 97 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 34 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 97 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 91 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3938.d
Report Date: 21-Sep-2009 05:10

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3938.d
Lab Smp Id: 460-5722-H-5-A  Client Smp ID: MW-9S
Inj Date  : 18-SEP-2009 19:51
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5722-H-5-A
Misc Info : 460-5722-H-5-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/8270C_08SP.m
Meth Date : 18-Sep-2009 12:06 croccom  Quant Type: ISTD
Cal Date  : 18-SEP-2009 11:30  Cal File: z3922.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.175 | 3.169 | (0.713) | 388532 | 25.0312 | 50 |
| $ 17 Phenol-d5 (SUR) | 99 | 4.075 | 4.098 | (0.915) | 282766 | 16.7763 | 34 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.452 | 4.451 | (1.000) | 465660 | 40.0000 | (H) |
| 23 1,2-Dichlorobenzene | 146 | 4.622 | 4.622 | (1.038) | 5372 | 0.30193 | 0.60(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 5.010 | 5.016 | (0.874) | 784193 | 48.3840 | 97 |
| 107 N,N-Dimethylaniline | 120 | 5.028 | 5.040 | (1.129) | 47782 | 2.07404 | 4.1 |
| * 80 Naphthalene-d8 | 136 | 5.734 | 5.739 | (1.000) | 1693942 | 40.0000 | |
| 31 Naphthalene | 128 | 5.751 | 5.757 | (1.003) | 103516 | 2.30581 | 4.6(a) |
| 32 4-Chloroaniline | 127 | 5.804 | 5.810 | (1.012) | 142612 | 8.34352 | 17 |
| 34 2-Methylnaphthalene | 142 | 6.445 | 6.451 | (1.124) | 16071 | 0.59025 | 1.2(a) |
| 120 1-Methylnaphthalene | 142 | 6.545 | 6.551 | (1.142) | 23429 | 0.90444 | 1.8(a) |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.816 | 6.822 | (0.910) | 1354768 | 49.6021 | 99 |
| * 82 Acenaphthene-d10 | 164 | 7.487 | 7.492 | (1.000) | 812115 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.269 | 8.275 | (1.104) | 132959 | 45.4083 | 91 |
| * 83 Phenanthrene-d10 | 188 | 8.957 | 8.963 | (1.000) | 1026484 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3938.d
Report Date: 21-Sep-2009 05:10

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 78 Terphenyl-d14 | 244 | 10.539 | 10.545 | (0.897) | 757466 | 48.4611 | 97 |
| * 81 Chrysene-d12 | 240 | 11.745 | 11.763 | (1.000) | 556234 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.692 | 13.698 | (1.000) | 351467 | 40.0000 | |

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z3938.d

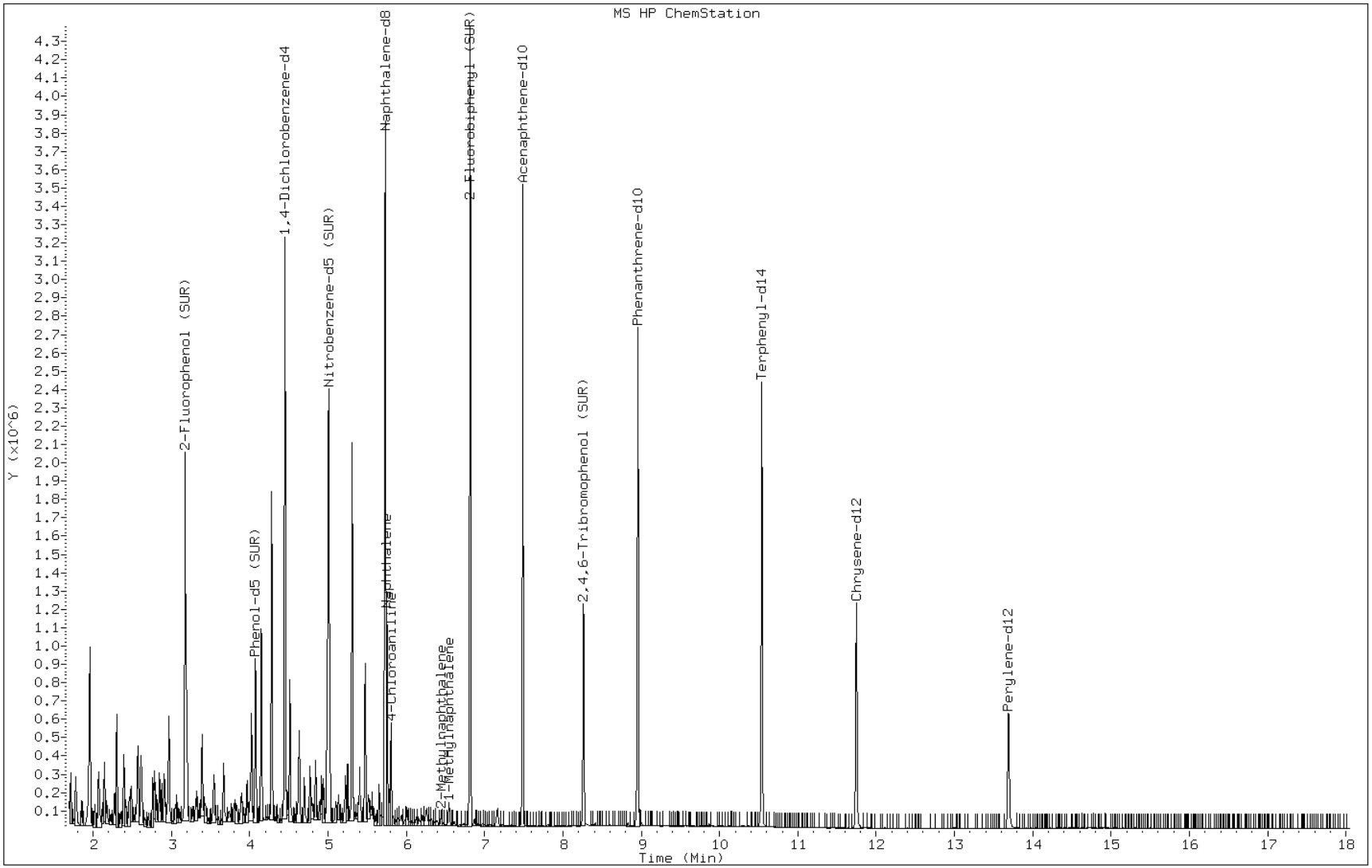
Date: 18-SEP-2009 19:51

Client ID: MW-9S

Instrument: BNAMS11.i

Sample Info: 460-5722-H-5-A

Operator: BNAMS 4



Data File: z3938.d

Date: 18-SEP-2009 19:51

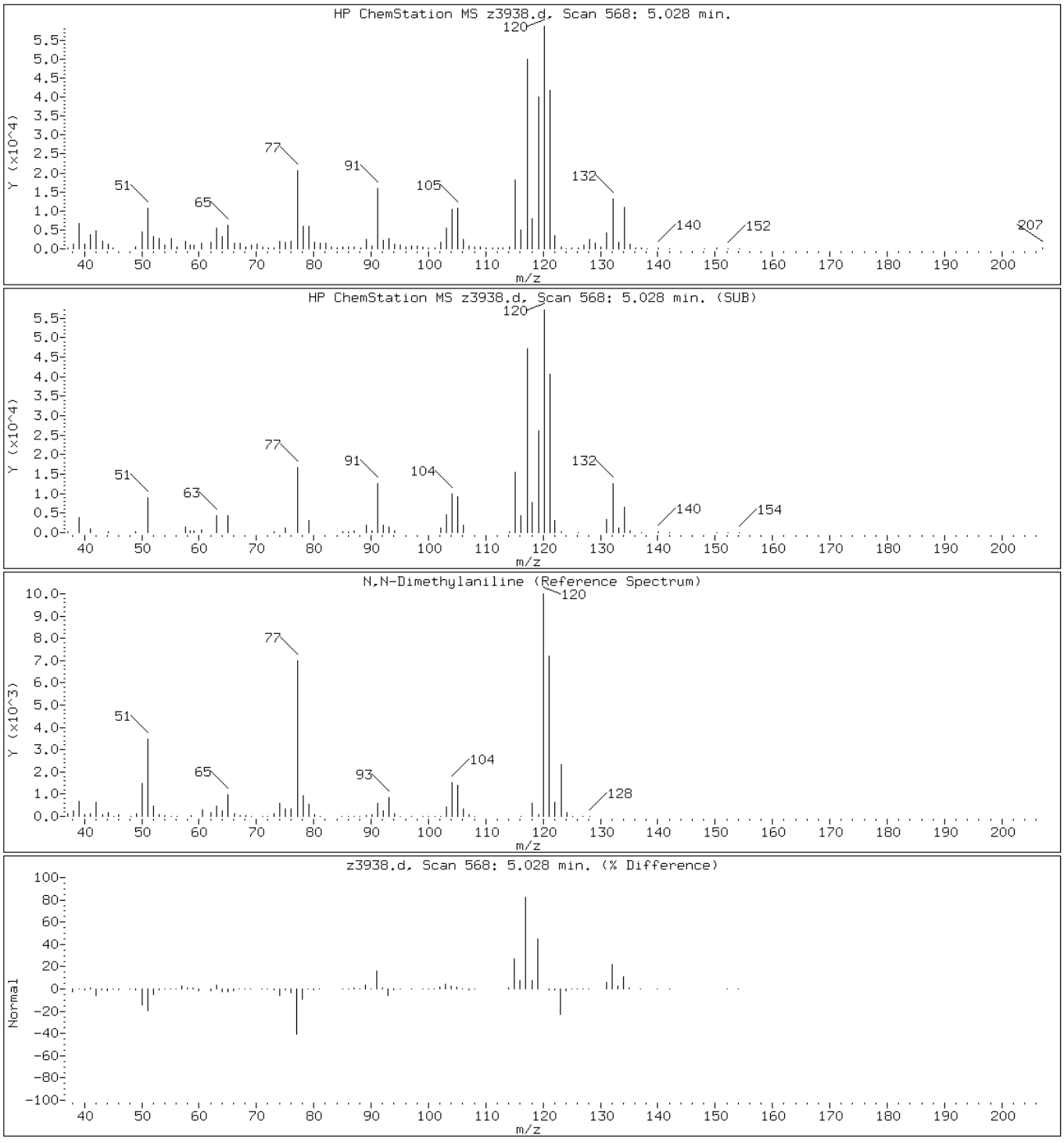
Client ID: MW-9S

Instrument: BNAMS11.i

Sample Info: 460-5722-H-5-A

Operator: BNAMS 4

107 N,N-Dimethylaniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-32 | Lab Sample ID: 460-5722-6

Matrix: Water | Lab File ID: z3939.d

Analysis Method: 8270C | Date Collected: 09/15/2009 14:45

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/18/2009 20:15

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17472 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.1 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 102 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 52 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 101 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 34 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 104 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 84 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3939.d
Report Date: 21-Sep-2009 05:12

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3939.d
Lab Smp Id: 460-5722-H-6-A  Client Smp ID: MW-32
Inj Date  : 18-SEP-2009 20:15
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5722-H-6-A
Misc Info : 460-5722-H-6-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/8270C_08SP.m
Meth Date : 18-Sep-2009 12:06 croccom  Quant Type: ISTD
Cal Date  : 18-SEP-2009 11:30  Cal File: z3922.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.169 | 3.169 | (0.712) | 319283 | 26.0607 | 52 |
| $ 17 Phenol-d5 (SUR) | 99 | 4.075 | 4.098 | (0.915) | 225114 | 16.9211 | 34 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.451 | 4.451 | (1.000) | 367548 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.622 | 4.622 | (1.038) | 4997 | 0.35582 | 0.71(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 5.004 | 5.016 | (0.873) | 630096 | 50.2617 | 100 |
| 107 N,N-Dimethylaniline | 120 | 5.028 | 5.040 | (1.129) | 9656 | 0.53101 | 1.1 |
| * 80 Naphthalene-d8 | 136 | 5.734 | 5.739 | (1.000) | 1310227 | 40.0000 | |
| 32 4-Chloroaniline | 127 | 5.804 | 5.810 | (1.012) | 11692 | 0.88437 | 1.8(aH) |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.816 | 6.822 | (0.910) | 1046299 | 50.8747 | 100 |
| * 82 Acenaphthene-d10 | 164 | 7.486 | 7.492 | (1.000) | 611514 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.269 | 8.275 | (1.104) | 92151 | 41.7955 | 84 |
| * 83 Phenanthrene-d10 | 188 | 8.957 | 8.963 | (1.000) | 777408 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.539 | 10.545 | (0.897) | 618247 | 51.8824 | 100 |
| * 81 Chrysene-d12 | 240 | 11.745 | 11.763 | (1.000) | 424063 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.686 | 13.698 | (1.000) | 263878 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3939.d
Report Date: 21-Sep-2009 05:12

QC Flag Legend

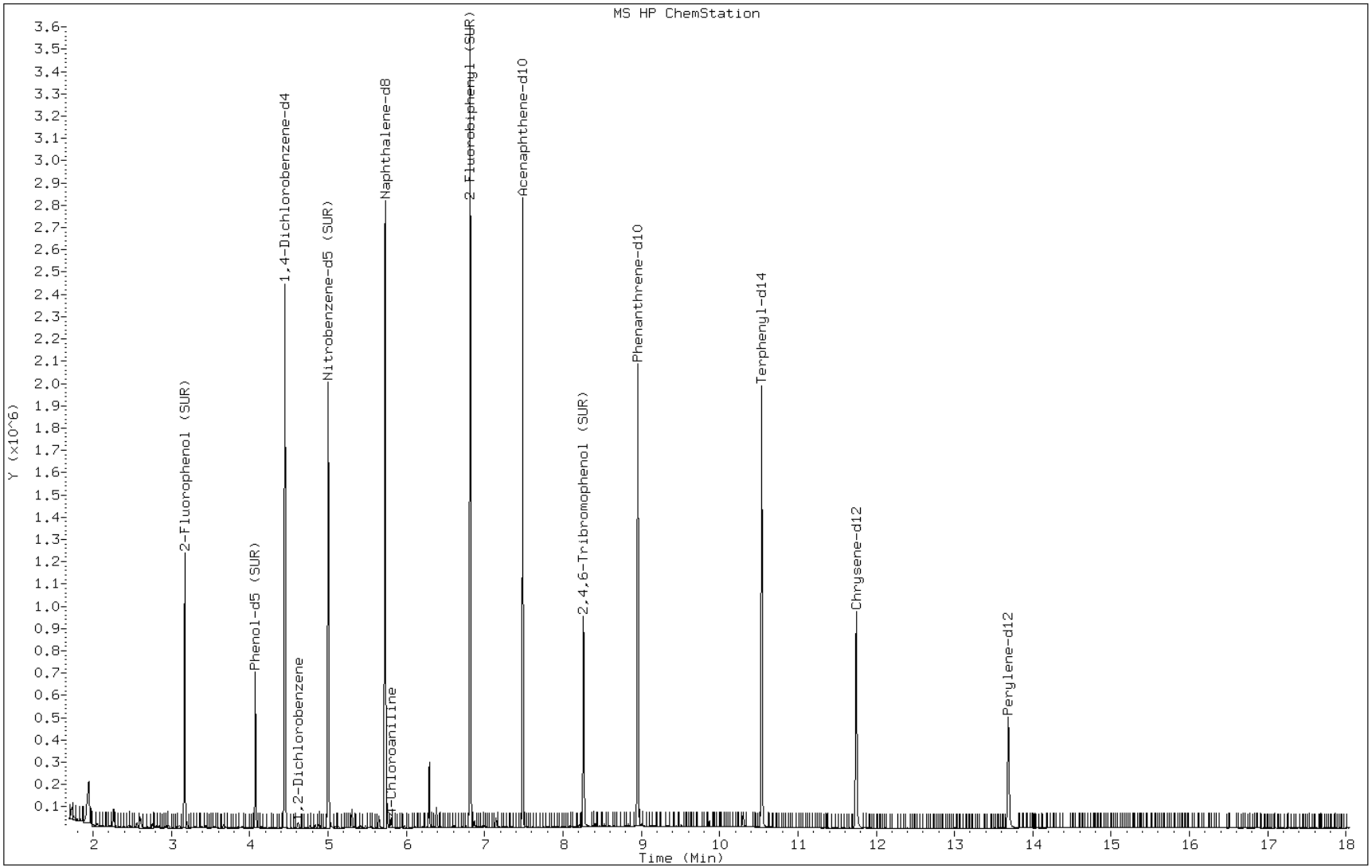
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z3939.d

Date: 18-SEP-2009 20:15

Client ID: MW-32 Instrument: BNAMS11.i

Sample Info: 460-5722-H-6-A Operator: BNAMS 4



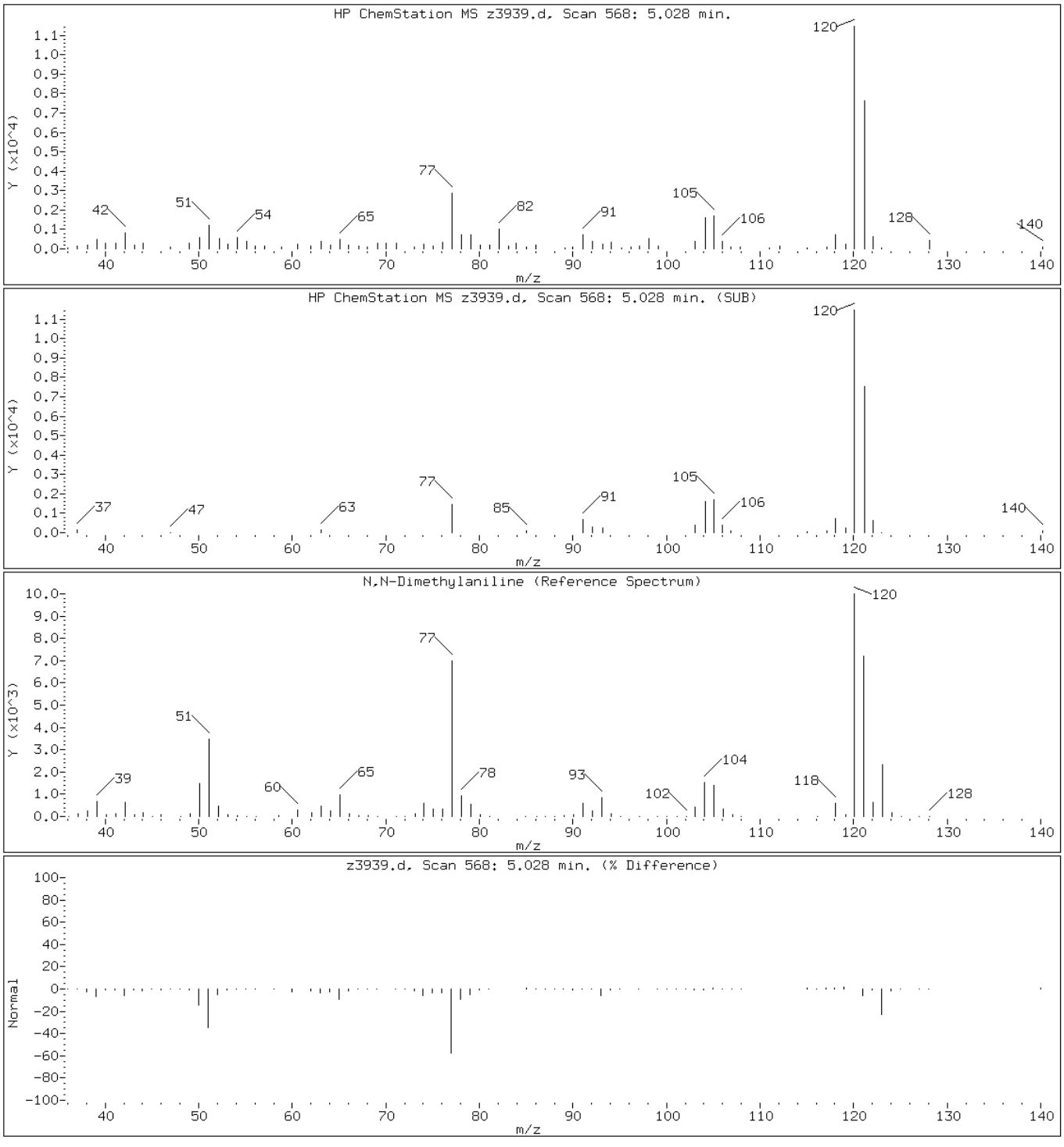
Data File: z3939.d

Date: 18-SEP-2009 20:15

Client ID: MW-32 Instrument: BNAMS11.i

Sample Info: 460-5722-H-6-A Operator: BNAMS 4

107 N,N-Dimethylaniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-01 | Lab Sample ID: 460-5722-7

Matrix: Water | Lab File ID: z3940.d

Analysis Method: 8270C | Date Collected: 09/15/2009 15:10

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/18/2009 20:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17472 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.1 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 95 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 43 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 92 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 29 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 97 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 81 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3940.d
Report Date: 21-Sep-2009 11:03

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3940.d
Lab Smp Id: 460-5722-H-7-A  Client Smp ID: TW-01
Inj Date  : 18-SEP-2009 20:39
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5722-H-7-A
Misc Info : 460-5722-H-7-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/8270C_08SP.m
Meth Date : 18-Sep-2009 12:06 croccom  Quant Type: ISTD
Cal Date  : 18-SEP-2009 11:30  Cal File: z3922.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.169 | 3.169 | (0.712) | 307774 | 21.2981 | 42 |
| $ 17 Phenol-d5 (SUR) | 99 | 4.075 | 4.098 | (0.915) | 228717 | 14.5755 | 29 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.452 | 4.451 | (1.000) | 433526 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.622 | 4.622 | (1.038) | 8215 | 0.49594 | 0.99(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 5.004 | 5.016 | (0.873) | 677386 | 46.2365 | 92 |
| 27 Nitrobenzene | 77 | 5.022 | 5.040 | (0.876) | 3256 | 0.16401 | 0.33(a) |
| 107 N,N-Dimethylaniline | 120 | 5.028 | 5.040 | (1.129) | 11678 | 0.54447 | 1.1 |
| * 80 Naphthalene-d8 | 136 | 5.734 | 5.739 | (1.000) | 1531189 | 40.0000 | |
| 32 4-Chloroaniline | 127 | 5.804 | 5.810 | (1.012) | 69310 | 4.48599 | 9.0(a) |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.816 | 6.822 | (0.910) | 1141926 | 47.6098 | 95 |
| * 82 Acenaphthene-d10 | 164 | 7.487 | 7.492 | (1.000) | 713171 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.263 | 8.275 | (1.104) | 104549 | 40.6595 | 81 |
| * 83 Phenanthrene-d10 | 188 | 8.951 | 8.963 | (1.000) | 908947 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.539 | 10.545 | (0.897) | 678718 | 48.5833 | 97 |
| * 81 Chrysene-d12 | 240 | 11.745 | 11.763 | (1.000) | 497153 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3940.d
Report Date: 21-Sep-2009 11:03

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| * 84 Perylene-d12 | 264 | 13.686 | 13.698 | (1.000) | 305566 | 40.0000 | |

QC Flag Legend

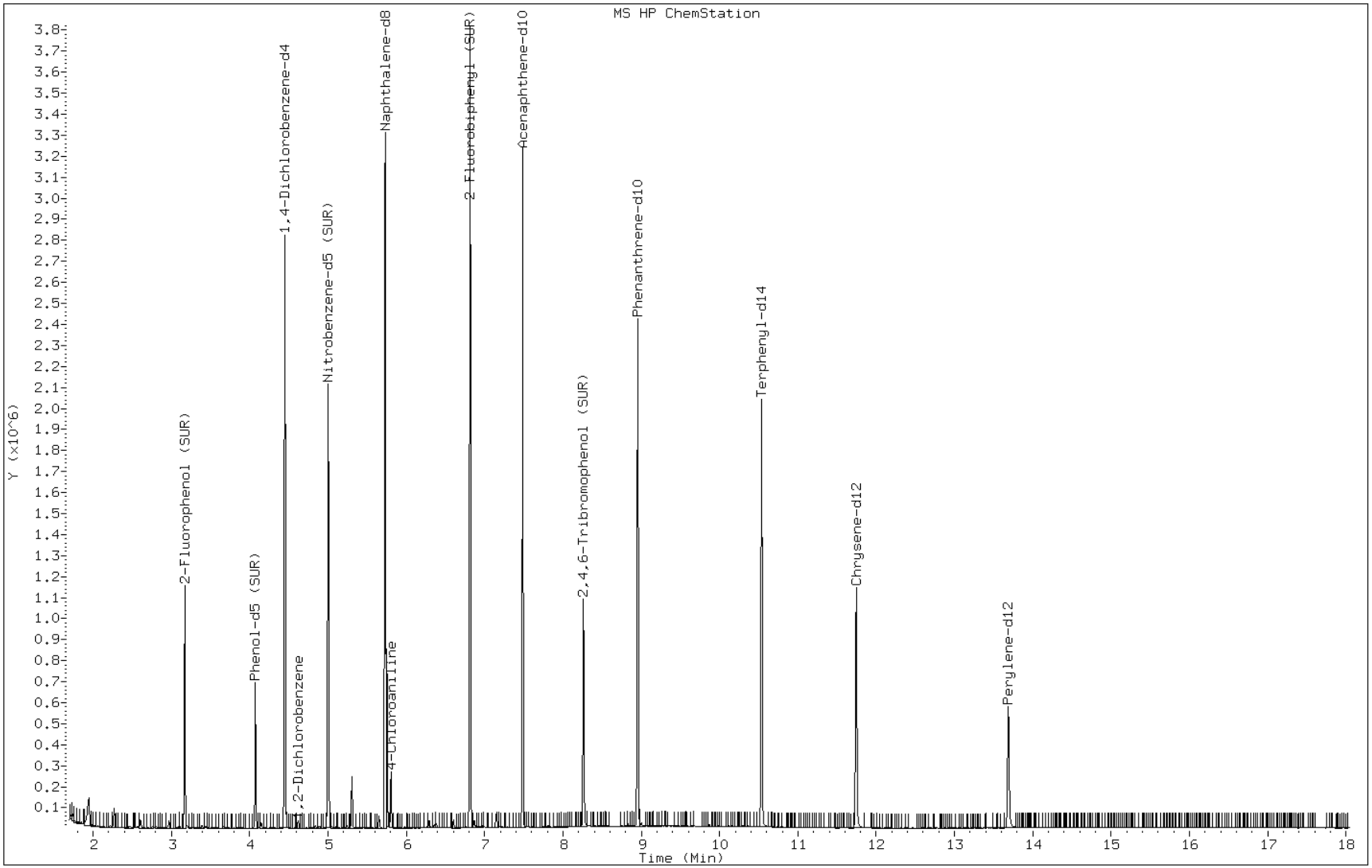
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: z3940.d

Date: 18-SEP-2009 20:39

Client ID: TW-01 Instrument: BNAMS11.i

Sample Info: 460-5722-H-7-A Operator: BNAMS 4



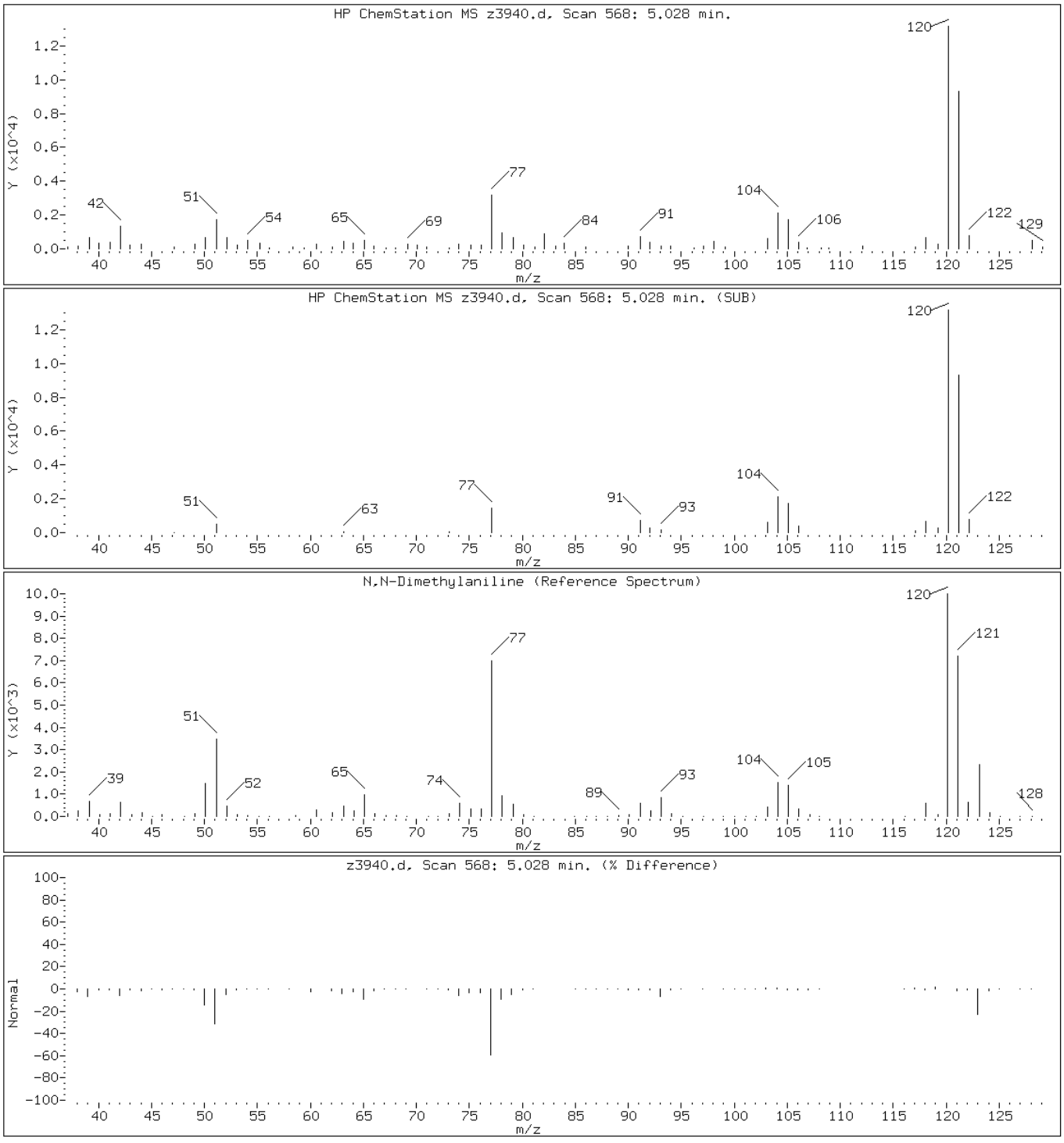
Data File: z3940.d

Date: 18-SEP-2009 20:39

Client ID: TW-01 Instrument: BNAMS11.i

Sample Info: 460-5722-H-7-A Operator: BNAMS 4

107 N,N-Dimethylaniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-35 | Lab Sample ID: 460-5722-8

Matrix: Water | Lab File ID: z3941.d

Analysis Method: 8270C | Date Collected: 09/15/2009 11:20

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/18/2009 21:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17472 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 96 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 39 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 95 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 29 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 97 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 81 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3941.d
Report Date: 21-Sep-2009 05:16

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3941.d
Lab Smp Id: 460-5722-H-8-A  Client Smp ID: MW-35
Inj Date  : 18-SEP-2009 21:03
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5722-H-8-A
Misc Info : 460-5722-H-8-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/8270C_08SP.m
Meth Date : 18-Sep-2009 12:06 croccom  Quant Type: ISTD
Cal Date  : 18-SEP-2009 11:30  Cal File: z3922.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.799 | 1.781 | (0.404) | 974 | 0.14432 | 0.29(a) |
| $ 16 2-Fluorophenol (SUR) | 112 | 3.169 | 3.169 | (0.712) | 279217 | 19.2712 | 38 |
| $ 17 Phenol-d5 (SUR) | 99 | 4.075 | 4.098 | (0.915) | 228176 | 14.5028 | 29 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.451 | 4.451 | (1.000) | 434667 | 40.0000 | (H) |
| 23 1,2-Dichlorobenzene | 146 | 4.622 | 4.622 | (1.038) | 3270 | 0.19689 | 0.39(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 5.004 | 5.016 | (0.873) | 707640 | 47.5733 | 95 |
| * 80 Naphthalene-d8 | 136 | 5.734 | 5.739 | (1.000) | 1554627 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.816 | 6.822 | (0.910) | 1215105 | 47.8703 | 96 |
| * 82 Acenaphthene-d10 | 164 | 7.486 | 7.492 | (1.000) | 754745 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.263 | 8.275 | (1.104) | 110224 | 40.5053 | 81 |
| * 83 Phenanthrene-d10 | 188 | 8.957 | 8.963 | (1.000) | 995635 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.539 | 10.545 | (0.897) | 802327 | 48.5063 | 97 |
| * 81 Chrysene-d12 | 240 | 11.745 | 11.763 | (1.000) | 588629 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.686 | 13.698 | (1.000) | 365421 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3941.d
Report Date: 21-Sep-2009 05:16

QC Flag Legend

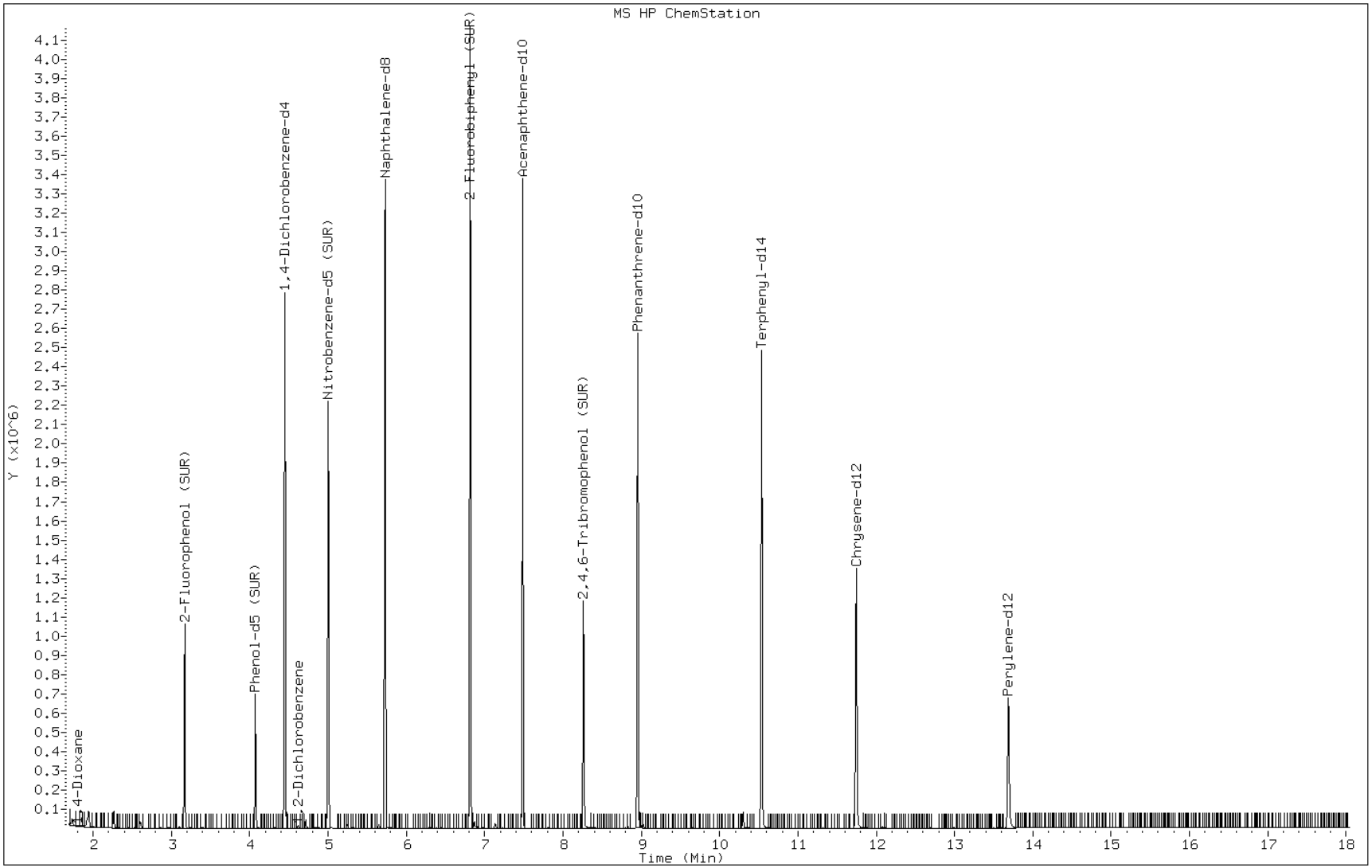
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z3941.d

Date: 18-SEP-2009 21:03

Client ID: MW-35 Instrument: BNAMS11.i

Sample Info: 460-5722-H-8-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-5722-9

Matrix: Water | Lab File ID: z3942.d

Analysis Method: 8270C | Date Collected: 09/15/2009 10:10

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/18/2009 21:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 2

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17472 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 390 | | 10 | 3.5 |
| 121-69-7 | n,n'-Dimethylaniline | 3.1 | | 2.0 | 0.54 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 97 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 47 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 97 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 29 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 101 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 66 | 69-127 | X |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3942.d
Report Date: 21-Sep-2009 11:04

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3942.d
Lab Smp Id: 460-5722-H-9-A  Client Smp ID: MW-36
Inj Date  : 18-SEP-2009 21:27
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5722-H-9-A
Misc Info : 460-5722-H-9-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/8270C_08SP.m
Meth Date : 18-Sep-2009 12:06 croccom  Quant Type: ISTD
Cal Date  : 18-SEP-2009 11:30  Cal File: z3922.d
Als bottle: 23
Dil Factor: 2.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 2.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.169 | 3.169 | (0.712) | 163903 | 11.7020 | 47 |
| $ 17 Phenol-d5 (SUR) | 99 | 4.081 | 4.098 | (0.917) | 110392 | 7.25813 | 29 |
| 73 Aniline | 93 | 4.128 | 4.128 | (0.927) | 2004713 | 96.2848 | 380 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.451 | 4.451 | (1.000) | 420196 | 40.0000 | |
| 22 1,4-Dichlorobenzene | 146 | 4.463 | 4.469 | (1.003) | 6868 | 0.39841 | 1.6(a) |
| 23 1,2-Dichlorobenzene | 146 | 4.622 | 4.622 | (1.038) | 3330 | 0.20741 | 0.83(a) |
| 104 Acetophenone | 105 | 4.845 | 4.863 | (1.089) | 2816 | 0.16860 | 0.67(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 5.004 | 5.016 | (0.873) | 344536 | 24.1390 | 96 |
| 107 N,N-Dimethylaniline | 120 | 5.028 | 5.040 | (1.129) | 15858 | 0.76281 | 3.0 |
| * 80 Naphthalene-d8 | 136 | 5.734 | 5.739 | (1.000) | 1491740 | 40.0000 | |
| 32 4-Chloroaniline | 127 | 5.804 | 5.810 | (1.012) | 36570 | 2.42954 | 9.7(a) |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.816 | 6.822 | (0.910) | 587363 | 24.2855 | 97 |
| * 82 Acenaphthene-d10 | 164 | 7.486 | 7.492 | (1.000) | 719136 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.263 | 8.275 | (1.104) | 42610 | 16.4337 | 66 |
| * 83 Phenanthrene-d10 | 188 | 8.951 | 8.963 | (1.000) | 928667 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3942.d
Report Date: 21-Sep-2009 11:04

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 78 Terphenyl-d14 | 244 | 10.533 | 10.545 | (0.897) | 346789 | 25.2169 | 100 |
| * 81 Chrysene-d12 | 240 | 11.745 | 11.763 | (1.000) | 489397 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.686 | 13.698 | (1.000) | 313048 | 40.0000 | |

QC Flag Legend

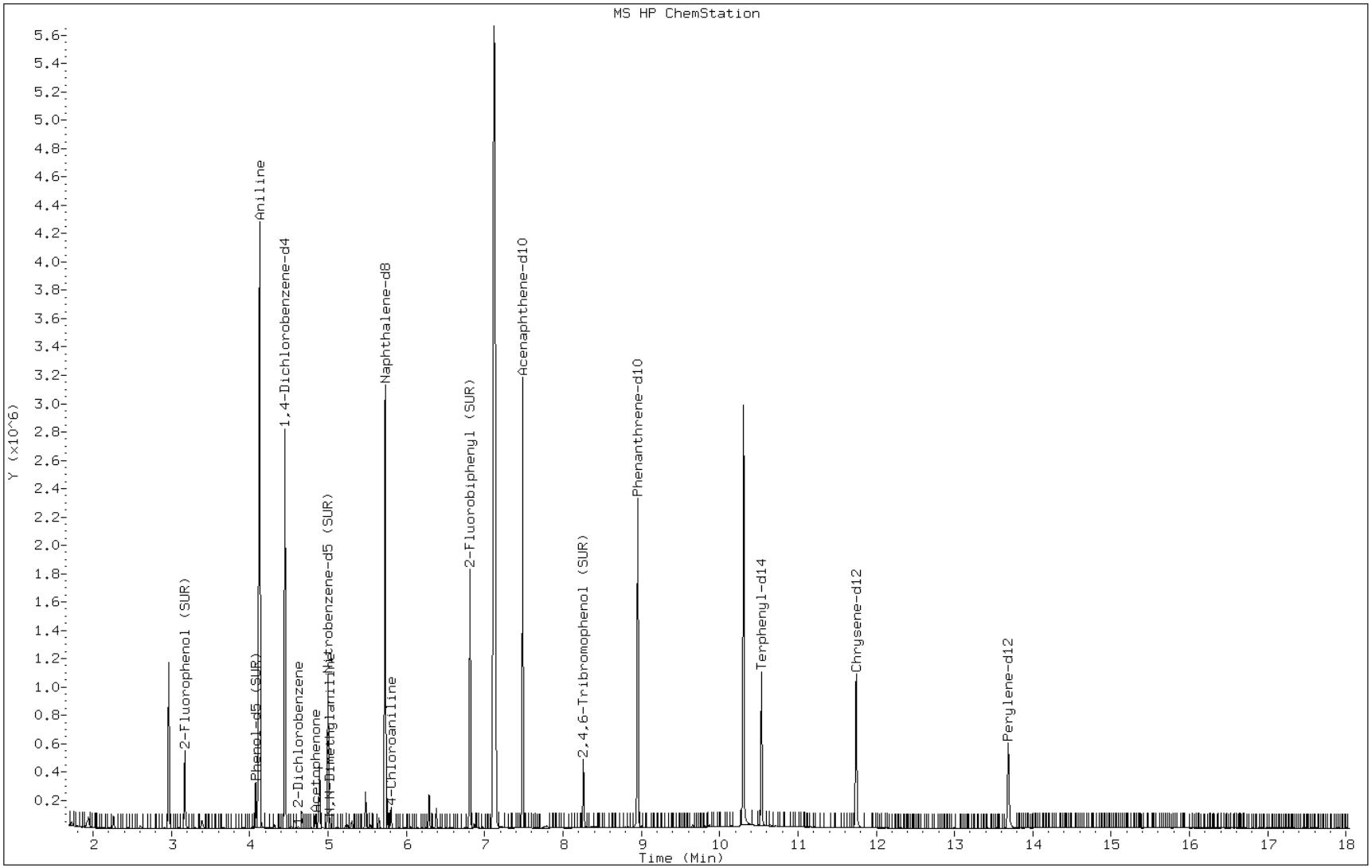
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: z3942.d

Date: 18-SEP-2009 21:27

Client ID: MW-36 Instrument: BNAMS11.i

Sample Info: 460-5722-H-9-A Operator: BNAMS 4



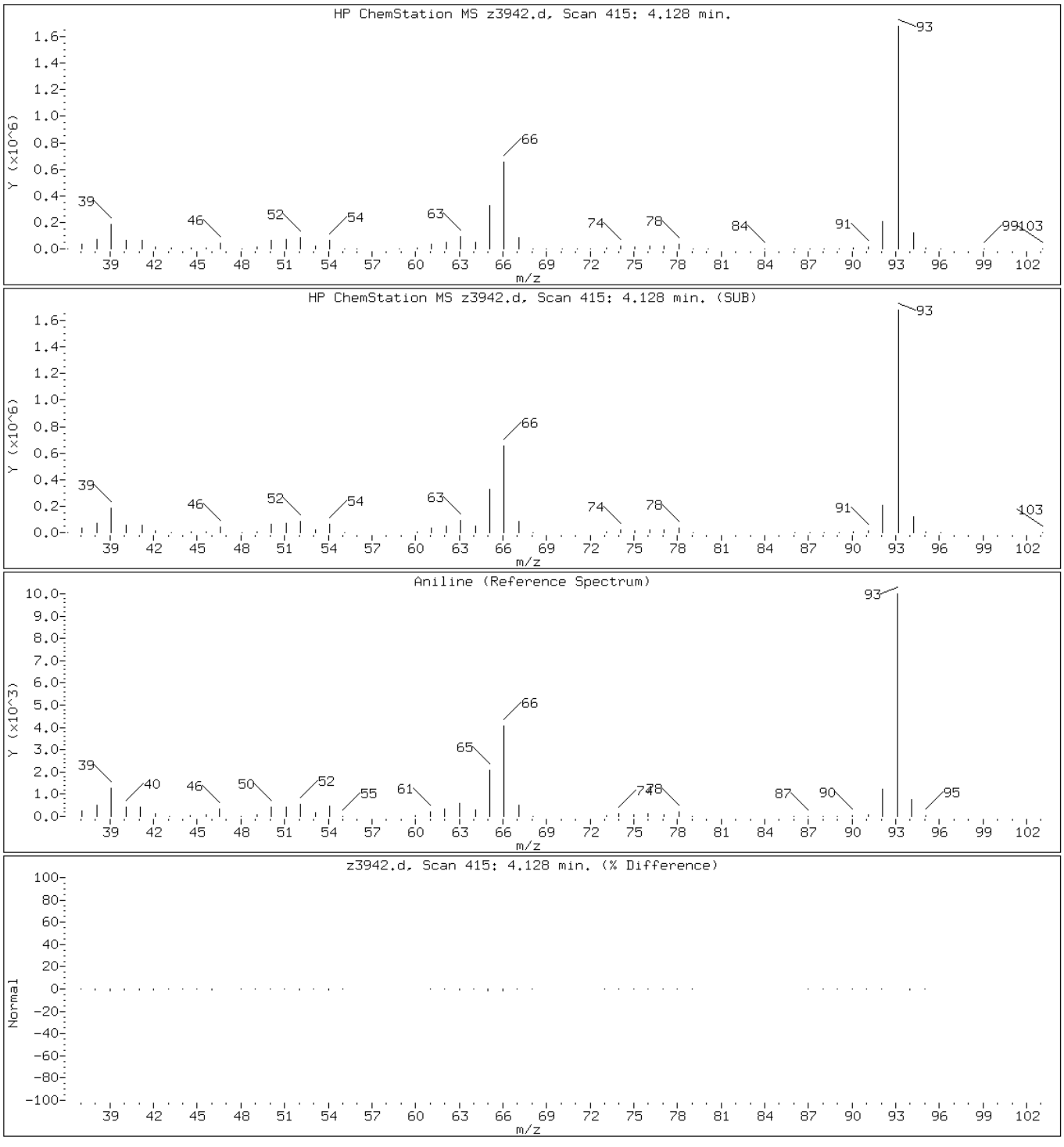
Data File: z3942.d

Date: 18-SEP-2009 21:27

Client ID: MW-36 Instrument: BNAMS11.i

Sample Info: 460-5722-H-9-A Operator: BNAMS 4

73 Aniline



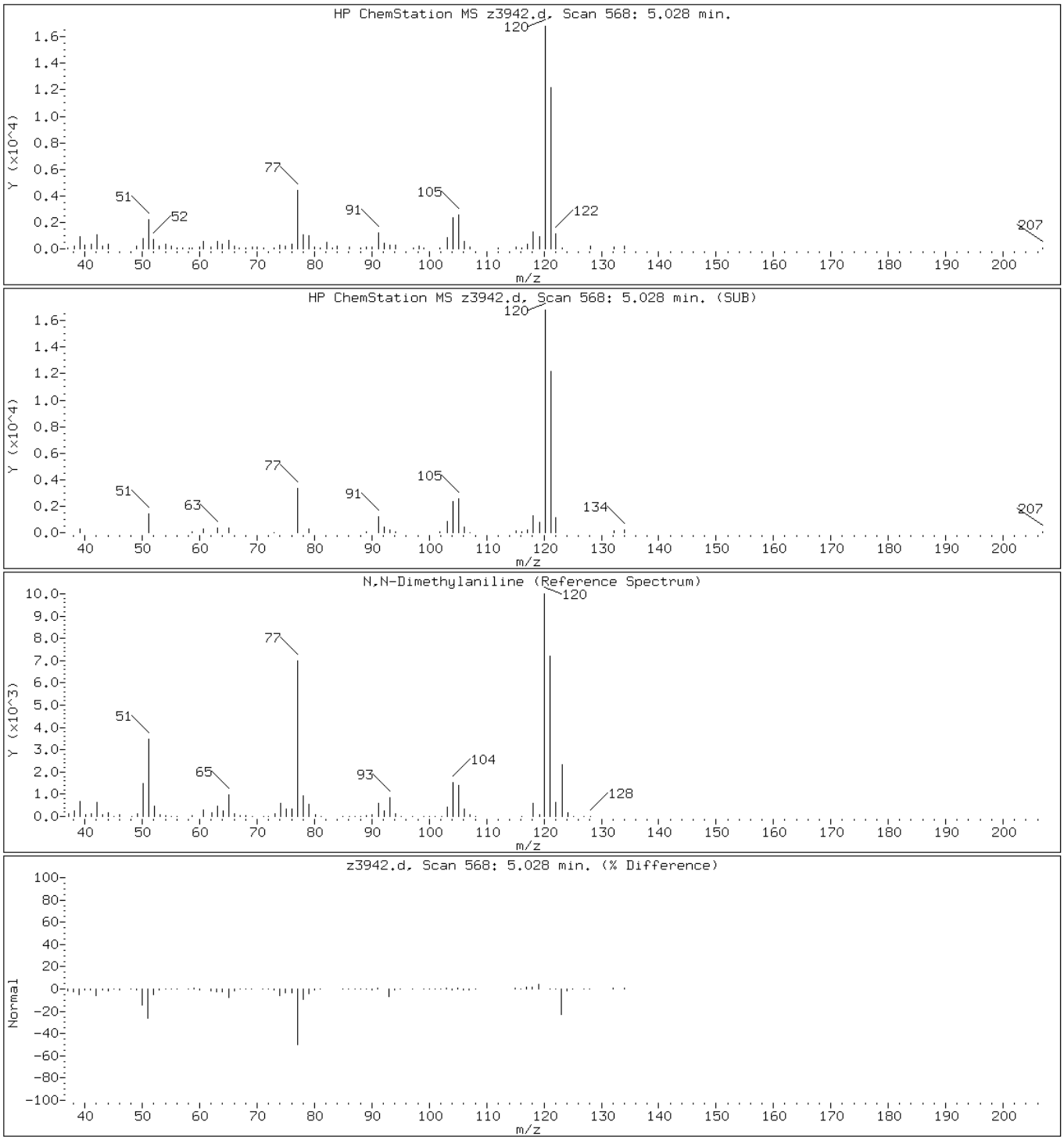
Data File: z3942.d

Date: 18-SEP-2009 21:27

Client ID: MW-36 Instrument: BNAMS11.i

Sample Info: 460-5722-H-9-A Operator: BNAMS 4

107 N,N-Dimethylaniline



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17124/4 | z3795.d |
| Level 2 | IC 460-17124/7 | z3799.d |
| Level 3 | IC 460-17124/6 | z3797.d |
| Level 4 | ICIS 460-17124/2 | z3793.d |
| Level 5 | IC 460-17124/5 | z3796.d |
| Level 6 | IC 460-17124/3 | z3794.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,4-Dioxane | 0.6609<br>0.6336 | 0.6347 | 0.6079 | 0.5989 | 0.5808 | Ave | | 0.6195 | | | | 4.7 | | 15.0 | | | |
| 2,3,7,8-TCDD | +++++<br>+++++ | +++++ | +++++ | 0.1923 | +++++ | Ave | | 0.1923 | | | | | | 15.0 | | | |
| N-Nitrosodimethylamine | 0.9457<br>0.9237 | 0.9402 | 0.8979 | 0.8879 | 0.8703 | Ave | | 0.9110 | | | | 3.3 | | 15.0 | | | |
| Pyridine | 1.6891<br>1.5669 | 1.6359 | 1.5398 | 1.5065 | 1.4704 | Ave | | 1.5681 | | | | 5.2 | | 15.0 | | | |
| Benzaldehyde | 0.8441<br>0.2949 | 1.0364 | 0.9670 | 0.7336 | 0.5346 | Ave | | 0.7351 | | | | 38.0 | * | 15.0 | | | |
| Phenol | 2.0265<br>1.7176 | 1.8868 | 1.8795 | 1.7973 | 1.6263 | Ave | | 1.8223 | | | | 7.7 | | 30.0 | | | |
| Aniline | 2.5647<br>+++++ | 2.5457 | 2.3881 | 2.3004 | 1.9501 | Ave | | 2.3498 | | | | 10.6 | | 15.0 | | | |
| Bis(2-chloroethyl)ether | 1.8107<br>2.0602 | 1.6485 | 1.5378 | 1.4848 | 1.5160 | Ave | | 1.6763 | | | | 13.3 | | 15.0 | | | |
| 2-Chlorophenol | 1.7116<br>1.3406 | 1.5989 | 1.5861 | 1.4880 | 1.3756 | Ave | | 1.5168 | | | | 9.4 | | 15.0 | | | |
| n-Decane | 1.7173<br>1.0310 | 1.6446 | 1.4664 | 1.2762 | 1.1017 | QuaF | | 0.6187 | 0.1163 | | | | | | 0.9989 | | 0.9900 |
| 1,3-Dichlorobenzene | 1.9485<br>1.6053 | 1.9078 | 1.7865 | 1.6755 | 1.5984 | Ave | | 1.7537 | | | | 8.7 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.9372<br>1.5494 | 1.8842 | 1.7447 | 1.6590 | 1.5751 | Ave | | 1.7249 | | | | 9.3 | | 30.0 | | | |
| Benzyl alcohol | 1.0691<br>0.9056 | 1.0732 | 1.0217 | 1.0144 | 0.9129 | Ave | | 0.9995 | | | | 7.4 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.9158<br>1.4168 | 1.8648 | 1.6954 | 1.5958 | 1.4676 | Ave | | 1.6594 | | | | 12.3 | | 15.0 | | | |
| 2-Methylphenol | 1.5361<br>1.1293 | 1.4110 | 1.4018 | 1.2877 | 1.1892 | Ave | | 1.3258 | | | | 11.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,2'-oxybis[1-chloropropane] | 2.3512<br>1.3746 | 2.2189 | 2.0369 | 1.7888 | 1.4341 | QuaF | | 0.4408 | 0.0719 | | | | | | 0.9951 | | 0.9900 |
| 3 & 4 Methylphenol | 1.6928<br>1.1643 | 1.4905 | 1.4181 | 1.2290 | 1.1620 | LinF | | 1.1784 | | | | | | | 0.9965 | | 0.9900 |
| 4-Methylphenol | 1.6928<br>1.1643 | 1.4905 | 1.4181 | 1.2290 | 1.1620 | LinF | | 1.1784 | | | | | | | 0.9965 | | 0.9900 |
| Acetophenone | 2.3824<br>1.5002 | 2.1212 | 1.9629 | 1.6740 | 1.5333 | LinF | | 1.5439 | | | | | | | 0.9922 | | 0.9900 |
| N-Nitrosodi-n-propylamine | 1.2507<br>0.8554 | 1.1650 | 1.0517 | 0.9626 | 0.8732 | LinF | | 0.8782 | | | | | | | 0.9944 | | 0.9900 |
| Hexachloroethane | 0.7696<br>0.5736 | 0.7415 | 0.6915 | 0.6485 | 0.6022 | Ave | | 0.6712 | | | | 11.5 | | 15.0 | | | |
| Nitrobenzene | 0.6751<br>0.4424 | 0.6305 | 0.5848 | 0.5218 | 0.4725 | QuaF | | 1.6102 | 0.4975 | | | | | | 0.9997 | | 0.9900 |
| n,n'-Dimethylaniline | 3.1793<br>1.7960 | 2.5816 | 2.3495 | 2.1148 | 1.8971 | QuaF | | 0.4044 | 0.0289 | | | | | | 0.9995 | | 0.9900 |
| Isophorone | 0.8631<br>0.6911 | 0.8332 | 0.7762 | 0.7374 | 0.6976 | Ave | | 0.7664 | | | | 9.3 | | 15.0 | | | |
| 2-Nitrophenol | 0.2040<br>0.1968 | 0.2003 | 0.2088 | 0.1924 | 0.1899 | Ave | | 0.1987 | | | | 3.6 | | 30.0 | | | |
| 2,4-Dimethylphenol | 0.3869<br>0.3040 | 0.3621 | 0.3505 | 0.3293 | 0.2957 | Ave | | 0.3381 | | | | 10.4 | | 15.0 | | | |
| Bis(2-chloroethoxy)methane | 0.5051<br>0.4003 | 0.4848 | 0.4565 | 0.4279 | 0.3991 | Ave | | 0.4456 | | | | 9.9 | | 15.0 | | | |
| Benzoic acid | 0.1011<br>0.1232 | 0.1193 | 0.1207 | 0.0959 | 0.1063 | Ave | | 0.1111 | | | | 10.4 | | 15.0 | | | |
| 2,4-Dichlorophenol | 0.3384<br>0.2723 | 0.3150 | 0.3139 | 0.2887 | 0.2743 | Ave | | 0.3004 | | | | 8.7 | | 30.0 | | | |
| 1,2,4-Trichlorobenzene | 0.3946<br>0.3244 | 0.3686 | 0.3483 | 0.3322 | 0.3206 | Ave | | 0.3481 | | | | 8.3 | | 15.0 | | | |
| Naphthalene | 1.2861<br>1.0072 | 1.2521 | 1.1674 | 1.0886 | 1.0233 | Ave | | 1.1374 | | | | 10.3 | | 15.0 | | | |
| 4-Chloroaniline | 0.5126<br>0.3542 | 0.5058 | 0.4746 | 0.4154 | 0.3717 | QuaF | | 2.0588 | 0.7398 | | | | | | 0.9992 | | 0.9900 |
| Hexachlorobutadiene | 0.2146<br>0.1942 | 0.2130 | 0.2018 | 0.1933 | 0.1927 | Ave | | 0.2016 | | | | 5.0 | | 30.0 | | | |
| Caprolactam | 0.1143<br>+++++ | 0.1079 | 0.1033 | 0.0888 | 0.0821 | Ave | | 0.0993 | | | | 13.5 | | 15.0 | | | |
| 4-Chloro-3-methylphenol | 0.3530<br>0.2727 | 0.3257 | 0.3275 | 0.2933 | 0.2388 | Ave | | 0.3018 | | | | 13.8 | | 30.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Methylnaphthalene | 0.8432<br>0.6134 | 0.7888 | 0.7314 | 0.6619 | 0.6167 | Ave | | 0.7092 | | | | 13.3 | | 15.0 | | | |
| 1-Methylnaphthalene | 0.8111<br>0.6013 | 0.7763 | 0.7189 | 0.6326 | 0.5918 | Ave | | 0.6887 | | | | 13.6 | | 15.0 | | | |
| Hexachlorocyclopentadiene | 0.3722<br>0.4581 | 0.3717 | 0.4024 | 0.4549 | 0.4493 | Ave | | 0.4181 | | | 0.0500 | 9.8 | | 15.0 | | | |
| 2-tertbutyl-4-methylphenol | 0.5594<br>0.4123 | 0.5320 | 0.4872 | 0.4315 | 0.4000 | Ave | | 0.4704 | | | | 14.1 | | 15.0 | | | |
| 2,4,6-Trichlorophenol | 0.3849<br>0.4427 | 0.3714 | 0.3697 | 0.3793 | 0.3917 | Ave | | 0.3899 | | | | 7.0 | | 30.0 | | | |
| 2,4,5-Trichlorophenol | 0.4057<br>0.3147 | 0.3972 | 0.3989 | 0.3622 | 0.3358 | Ave | | 0.3691 | | | | 10.2 | | 15.0 | | | |
| 1,1'-Biphenyl | 1.8175<br>1.4762 | 1.7440 | 1.6512 | 1.5670 | 1.4902 | Ave | | 1.6243 | | | | 8.5 | | 15.0 | | | |
| 2-Chloronaphthalene | 1.3744<br>1.1522 | 1.3578 | 1.2574 | 1.2091 | 1.1643 | Ave | | 1.2525 | | | | 7.6 | | 15.0 | | | |
| Phenyl ether | 0.9708<br>0.8541 | 0.9632 | 0.8993 | 0.8675 | 0.8452 | Ave | | 0.9000 | | | | 6.1 | | 15.0 | | | |
| 2-Nitroaniline | 0.4492<br>+++++ | 0.5120 | 0.4841 | 0.4483 | 0.4283 | Ave | | 0.4644 | | | | 7.2 | | 15.0 | | | |
| 1,3-Dimethylnaphthalene | 1.1309<br>0.9610 | 1.1149 | 1.0528 | 0.9802 | 0.9584 | Ave | | 1.0330 | | | | 7.5 | | 15.0 | | | |
| Dimethyl phthalate | 1.4697<br>1.0957 | 1.4399 | 1.3334 | 1.2157 | 1.1164 | Ave | | 1.2784 | | | | 12.6 | | 15.0 | | | |
| Coumarin | 0.4789<br>0.3723 | 0.4548 | 0.4304 | 0.3880 | 0.3646 | Ave | | 0.4148 | | | | 11.3 | | 15.0 | | | |
| 2,6-Dinitrotoluene | 0.2888<br>0.2624 | 0.3011 | 0.2940 | 0.2734 | 0.2545 | Ave | | 0.2790 | | | | 6.6 | | 15.0 | | | |
| Acenaphthylene | 2.2474<br>1.8029 | 2.1883 | 2.0646 | 1.9390 | 1.8307 | Ave | | 2.0122 | | | | 9.2 | | 15.0 | | | |
| 3-Nitroaniline | 0.3331<br>0.2206 | 0.3216 | 0.3163 | 0.2868 | 0.2577 | Ave | | 0.2893 | | | | 15.0 | | 15.0 | | | |
| 3,5-di-tert-butyl-4-hydroxytol | 1.1205<br>0.9911 | 1.0903 | 1.0808 | 1.0027 | 0.9944 | Ave | | 1.0466 | | | | 5.5 | | 15.0 | | | |
| Acenaphthene | 1.4353<br>1.0326 | 1.3649 | 1.1740 | 1.0980 | 1.0386 | Ave | | 1.1906 | | | | 14.4 | | 30.0 | | | |
| 2,4-Dinitrophenol | 0.0849<br>0.0987 | 0.0922 | 0.1027 | 0.0931 | 0.1054 | Ave | | 0.0962 | | | 0.0500 | 7.9 | | 15.0 | | | |
| 4-Nitrophenol | 0.2219<br>0.1738 | 0.2124 | 0.2143 | 0.1950 | 0.1799 | Ave | | 0.1995 | | | 0.0500 | 9.9 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,4-Dinitrotoluene | 0.3893<br>0.3123 | 0.3814 | 0.3681 | 0.3215 | 0.3042 | Ave | | 0.3461 | | | | 10.9 | | 15.0 | | | |
| Dibenzofuran | 1.8691<br>1.4979 | 1.8402 | 1.6926 | 1.5789 | 1.5092 | Ave | | 1.6646 | | | | 9.8 | | 15.0 | | | |
| Diethyl phthalate | 1.4219<br>1.1287 | 1.3555 | 1.2774 | 1.1694 | 1.1192 | Ave | | 1.2454 | | | | 10.1 | | 15.0 | | | |
| 4-Chlorophenyl phenyl ether | 0.6746<br>0.5618 | 0.6469 | 0.6073 | 0.5645 | 0.5602 | Ave | | 0.6026 | | | | 8.2 | | 15.0 | | | |
| Fluorene | 1.4472<br>1.1183 | 1.3648 | 1.2744 | 1.1749 | 1.1291 | Ave | | 1.2515 | | | | 10.7 | | 15.0 | | | |
| 4-Nitroaniline | 0.3068<br>0.2170 | 0.3050 | 0.2833 | 0.2430 | 0.2178 | LinF | | 0.2227 | | | | | | | 0.9908 | | 0.9900 |
| 4,6-Dinitro-2-methylphenol | 0.0978<br>0.1020 | 0.1068 | 0.1131 | 0.1033 | 0.1178 | Ave | | 0.1068 | | | | 7.0 | | 15.0 | | | |
| N-Nitrosodiphenylamine | 0.7200<br>0.6278 | 0.6932 | 0.6606 | 0.6312 | 0.6002 | Ave | | 0.6555 | | | | 6.8 | | 30.0 | | | |
| 1,2-Diphenylhydrazine | 1.2799<br>1.1853 | 1.3026 | 1.2386 | 1.1726 | 1.0807 | Ave | | 1.2100 | | | | 6.7 | | 15.0 | | | |
| 4-Bromophenyl phenyl ether | 0.2691<br>0.2642 | 0.2798 | 0.2621 | 0.2561 | 0.2599 | Ave | | 0.2652 | | | | 3.2 | | 15.0 | | | |
| Hexachlorobenzene | 0.2648<br>0.2431 | 0.2561 | 0.2435 | 0.2395 | 0.2392 | Ave | | 0.2477 | | | | 4.2 | | 15.0 | | | |
| Atrazine | 0.2374<br>0.1505 | 0.2273 | 0.2147 | 0.2020 | 0.1730 | QuaF | | 3.3280 | 7.2382 | | | | | | 0.9989 | | 0.9900 |
| Pentachlorophenol | 0.1226<br>0.1266 | 0.1253 | 0.1252 | 0.1196 | 0.1275 | Ave | | 0.1244 | | | | 2.3 | | 30.0 | | | |
| n-Octadecane | 0.7442<br>0.5946 | 0.7597 | 0.7034 | 0.6604 | 0.6097 | Ave | | 0.6787 | | | | 10.1 | | 15.0 | | | |
| Phenanthrene | 1.3246<br>1.1281 | 1.2770 | 1.1957 | 1.1695 | 1.0170 | Ave | | 1.1853 | | | | 9.2 | | 15.0 | | | |
| Anthracene | 1.3422<br>1.0720 | 1.2966 | 1.2347 | 1.1538 | 1.0919 | Ave | | 1.1986 | | | | 9.2 | | 15.0 | | | |
| Carbazole | 1.1303<br>0.8444 | 1.0439 | 1.0095 | 0.9294 | 0.8636 | Ave | | 0.9702 | | | | 11.4 | | 15.0 | | | |
| Di-n-butyl phthalate | 1.3969<br>1.1748 | 1.3349 | 1.3081 | 1.2250 | 1.1806 | Ave | | 1.2700 | | | | 7.1 | | 15.0 | | | |
| Fluoranthene | 1.1543<br>0.8800 | 1.0557 | 1.0360 | 0.9480 | 0.9050 | Ave | | 0.9965 | | | | 10.5 | | 30.0 | | | |
| Benzidine | 0.0941<br>0.0703 | 0.2479 | 0.2229 | 0.1131 | 0.0793 | Ave | | 0.1379 | | | | 56.0 | * | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Pyrene | 1.8860<br>1.8673 | 1.9768 | 1.8871 | 1.8874 | 1.8185 | Ave | | 1.8872 | | | | 2.7 | | 15.0 | | | |
| Butyl benzyl phthalate | 0.6957<br>0.7372 | 0.7284 | 0.7265 | 0.7329 | 0.7233 | Ave | | 0.7240 | | | | 2.0 | | 15.0 | | | |
| 3,3'-Dichlorobenzidine | 0.2807<br>0.2480 | 0.3172 | 0.3176 | 0.2739 | 0.2500 | Ave | | 0.2812 | | | | 11.0 | | 15.0 | | | |
| Benzo[a]anthracene | 1.3239<br>1.1451 | 1.1504 | 1.1364 | 1.1393 | 1.1115 | Ave | | 1.1678 | | | | 6.6 | | 15.0 | | | |
| Bis(2-ethylhexyl) phthalate | 0.8849<br>0.9486 | 0.9020 | 0.9203 | 0.9126 | 0.9237 | Ave | | 0.9154 | | | | 2.3 | | 15.0 | | | |
| Chrysene | 1.1085<br>0.9230 | 1.0853 | 1.0309 | 1.0068 | 0.9668 | Ave | | 1.0202 | | | | 6.9 | | 15.0 | | | |
| Di-n-octyl phthalate | 1.7324<br>2.1587 | 1.8651 | 2.0656 | 2.0072 | 2.0936 | Ave | | 1.9871 | | | | 8.0 | | 30.0 | | | |
| Benzo[b]fluoranthene | 1.0229<br>1.2547 | 1.2032 | 1.2389 | 1.2844 | 1.1958 | Ave | | 1.2000 | | | | 7.7 | | 15.0 | | | |
| Benzo[k]fluoranthene | 1.2223<br>1.2659 | 1.3712 | 1.4099 | 1.2819 | 1.3222 | Ave | | 1.3122 | | | | 5.3 | | 15.0 | | | |
| Benzo[a]pyrene | 0.7119<br>1.0440 | 1.0016 | 1.0255 | 1.0308 | 1.0122 | Ave | | 0.9710 | | | | 13.2 | | 30.0 | | | |
| Indeno[1,2,3-cd]pyrene | 0.5725<br>0.8805 | 0.6883 | 0.7364 | 0.8029 | 0.8172 | Ave | | 0.7496 | | | | 14.6 | | 15.0 | | | |
| Dibenz(a,h)anthracene | 0.5690<br>0.8540 | 0.7152 | 0.7605 | 0.8231 | 0.8353 | Ave | | 0.7595 | | | | 14.1 | | 15.0 | | | |
| Benzo[g,h,i]perylene | 0.6453<br>0.8351 | 0.7319 | 0.7251 | 0.7765 | 0.7925 | Ave | | 0.7511 | | | | 8.8 | | 15.0 | | | |
| 2-Fluorophenol | 1.5615<br>1.4317 | 1.5741 | 1.4435 | 1.3950 | 1.3196 | Ave | | 1.4542 | | | | 6.7 | | 15.0 | | | |
| Phenol-d5 | 1.9710<br>1.4712 | 1.9105 | 1.7625 | 1.6704 | 1.5225 | Ave | | 1.7180 | | | | 11.8 | | 15.0 | | | |
| Nitrobenzene-d5 | 0.4514<br>0.3610 | 0.4478 | 0.4494 | 0.4054 | 0.3830 | Ave | | 0.4163 | | | | 9.4 | | 15.0 | | | |
| 2-Fluorobiphenyl | 1.5238<br>1.3822 | 1.5056 | 1.4865 | 1.3950 | 1.3537 | Ave | | 1.4411 | | | | 5.0 | | 15.0 | | | |
| 2,4,6-Tribromophenol | 0.1462<br>0.1268 | 0.1541 | 0.1343 | 0.1294 | 0.1246 | Ave | | 0.1359 | | | | 8.7 | | 15.0 | | | |
| Terphenyl-d14 | 1.1887<br>1.2004 | 1.1940 | 1.2101 | 1.1515 | 1.1373 | Ave | | 1.1803 | | | | 2.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17124/4 | z3795.d |
| Level 2 | IC 460-17124/7 | z3799.d |
| Level 3 | IC 460-17124/6 | z3797.d |
| Level 4 | ICIS 460-17124/2 | z3793.d |
| Level 5 | IC 460-17124/5 | z3796.d |
| Level 6 | IC 460-17124/3 | z3794.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,4-Dioxane | DCB | Ave | 22422<br>476997 | 41243 | 74833 | 186627 | 288647 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,3,7,8-TCDD | CRY | Ave | +++++<br>+++++ | +++++ | +++++ | 626 | +++++ | +++++<br>+++++ | +++++ | +++++ | 0.500 | +++++ |
| N-Nitrosodimethylamine | DCB | Ave | 32083<br>695404 | 61100 | 110531 | 276649 | 432532 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pyridine | DCB | Ave | 57302<br>1179583 | 106304 | 189542 | 469415 | 730741 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzaldehyde | DCB | Ave | 28635<br>221992 | 67346 | 119033 | 228584 | 265694 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol | DCB | Ave | 68749<br>1293057 | 122608 | 231359 | 560035 | 808208 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Aniline | DCB | Ave | 87007<br>+++++ | 165427 | 293959 | 716782 | 969115 | 5.00<br>+++++ | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethyl)ether | DCB | Ave | 6143<br>1550943 | 107123 | 189299 | 462664 | 753404 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chlorophenol | DCB | Ave | 58065<br>1009226 | 103901 | 195236 | 463661 | 683620 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n-Decane | DCB | QuaF | 58260<br>776187 | 106870 | 180502 | 397648 | 547531 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dichlorobenzene | DCB | Ave | 66105<br>1208475 | 123976 | 219913 | 522056 | 794357 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 65719<br>1166413 | 122444 | 214762 | 516923 | 782761 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzyl alcohol | DCB | Ave | 36269<br>681759 | 69739 | 125767 | 316093 | 453662 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 64995<br>1066579 | 121182 | 208690 | 497249 | 729353 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylphenol | DCB | Ave | 52113<br>850134 | 91691 | 172553 | 401238 | 590987 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,2'-oxybis[1-chloropropane] | DCB | QuaF | 79767<br>1034826 | 144192 | 250734 | 557361 | 712697 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 3 & 4 Methylphenol | DCB | LinF | 57428<br>876498 | 96855 | 174562 | 382944 | 577473 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Methylphenol | DCB | LinF | 57428<br>876498 | 96855 | 174562 | 382944 | 577473 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acetophenone | DCB | LinF | 80824<br>1129409 | 137842 | 241626 | 521618 | 761988 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| N-Nitrosodi-n-propylamine | DCB | LinF | 4243<br>643963 | 75703 | 129461 | 299933 | 433945 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachloroethane | DCB | Ave | 2611<br>431849 | 48187 | 85115 | 202053 | 299287 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene | NPT | QuaF | 9047<br>1182098 | 158944 | 275820 | 601968 | 854316 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n,n'-Dimethylaniline | DCB | QuaF | 10786<br>1352083 | 167761 | 289211 | 658964 | 942808 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Isophorone | NPT | Ave | 115665<br>1846601 | 210019 | 366069 | 850624 | 1261418 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitrophenol | NPT | Ave | 27338<br>525809 | 50495 | 98482 | 221964 | 343353 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dimethylphenol | NPT | Ave | 51847<br>812338 | 91286 | 165284 | 379823 | 534578 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethoxy)methane | NPT | Ave | 67690<br>1069583 | 122211 | 215285 | 493621 | 721581 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzoic acid | NPT | Ave | 13548<br>329293 | 30078 | 56924 | 110622 | 192222 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dichlorophenol | NPT | Ave | 45348<br>727590 | 79394 | 148045 | 333077 | 495956 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2,4-Trichlorobenzene | NPT | Ave | 5288<br>866877 | 92913 | 164246 | 383185 | 579740 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Naphthalene | NPT | Ave | 172352<br>2691175 | 315615 | 550564 | 1255724 | 1850150 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloroaniline | NPT | QuaF | 68699<br>946476 | 127498 | 223821 | 479235 | 672010 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobutadiene | NPT | Ave | 5752<br>518744 | 53685 | 95165 | 223020 | 348417 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Caprolactam | NPT | Ave | 15323<br>+++++ | 27195 | 48717 | 102440 | 148374 | 5.00<br>+++++ | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloro-3-methylphenol | NPT | Ave | 47305<br>728536 | 82090 | 154441 | 338368 | 431809 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylnaphthalene | NPT | Ave | 112993<br>1638847 | 198844 | 344925 | 763554 | 1115018 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1-Methylnaphthalene | NPT | Ave | 108695<br>1606670 | 195682 | 339055 | 729723 | 1070103 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Hexachlorocyclopentadiene | ANT | Ave | 27377<br>557207 | 48843 | 97841 | 251495 | 373507 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-tertbutyl-4-methylphenol | NPT | Ave | 74959<br>1101570 | 134094 | 229756 | 497734 | 723176 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Trichlorophenol | ANT | Ave | 28315<br>538563 | 48796 | 89900 | 209668 | 325642 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,5-Trichlorophenol | ANT | Ave | 29843<br>382880 | 52190 | 96999 | 200210 | 279139 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,1'-Biphenyl | ANT | Ave | 133698<br>1795786 | 229153 | 401499 | 866281 | 1238895 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chloronaphthalene | ANT | Ave | 101101<br>1401609 | 178404 | 305743 | 668430 | 967968 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenyl ether | ANT | Ave | 71410<br>1038988 | 126564 | 218665 | 479568 | 702647 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitroaniline | ANT | Ave | 66087<br>+++++ | 67280 | 117706 | 247849 | 356094 | 10.0<br>+++++ | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dimethylnaphthalene | ANT | Ave | 83190<br>1169044 | 146494 | 256007 | 541894 | 796762 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dimethyl phthalate | ANT | Ave | 108114<br>1332829 | 189192 | 324226 | 672088 | 928101 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Coumarin | ANT | Ave | 35226<br>452890 | 59764 | 104658 | 214497 | 303112 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,6-Dinitrotoluene | ANT | Ave | 4249<br>319171 | 39561 | 71496 | 151137 | 211594 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthylene | ANT | Ave | 165320<br>2193123 | 287540 | 502031 | 1071945 | 1522015 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3-Nitroaniline | ANT | Ave | 49000<br>268371 | 42256 | 76900 | 158531 | 214213 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,5-di-tert-butyl-4-hydroxytol | ANT | Ave | 82422<br>1205642 | 143260 | 262806 | 554318 | 826690 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthene | ANT | Ave | 105585<br>1256161 | 179338 | 285472 | 607026 | 863470 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dinitrophenol | ANT | Ave | 18743<br>120093 | 24226 | 37452 | 51445 | 87645 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 4-Nitrophenol | ANT | Ave | 48967<br>211371 | 55813 | 78170 | 107795 | 149547 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 2,4-Dinitrotoluene | ANT | Ave | 5728<br>379879 | 50116 | 89508 | 177756 | 252895 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenzofuran | ANT | Ave | 137493<br>1822105 | 241791 | 411569 | 872857 | 1254722 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Diethyl phthalate | ANT | Ave | 104597<br>1372988 | 178113 | 310611 | 646504 | 930487 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 4-Chlorophenyl phenyl ether | ANT | Ave | 49624<br>683460 | 84994 | 147668 | 312102 | 465719 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluorene | ANT | Ave | 106454<br>1360389 | 179334 | 309883 | 649545 | 938711 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Nitroaniline | ANT | LinF | 45135<br>264018 | 40082 | 68888 | 134347 | 181089 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4,6-Dinitro-2-methylphenol | PHN | Ave | 29991<br>148205 | 36615 | 53336 | 69272 | 116337 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| N-Nitrosodiphenylamine | PHN | Ave | 73632<br>911947 | 118829 | 207700 | 423132 | 592555 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Diphenylhydrazine | PHN | Ave | 130880<br>1721810 | 223312 | 389432 | 786137 | 1066923 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Bromophenyl phenyl ether | PHN | Ave | 27518<br>383738 | 47968 | 82393 | 171721 | 256572 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobenzene | PHN | Ave | 2708<br>353187 | 43903 | 76573 | 160583 | 236171 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Atrazine | PHN | QuaF | 24280<br>218554 | 38963 | 67495 | 135435 | 170825 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pentachlorophenol | PHN | Ave | 37616<br>183891 | 42946 | 59052 | 80156 | 125832 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| n-Octadecane | PHN | Ave | 76101<br>863746 | 130239 | 221152 | 442714 | 601970 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenanthrene | PHN | Ave | 135456<br>1638614 | 218926 | 375933 | 784045 | 1004064 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Anthracene | PHN | Ave | 137257<br>1557188 | 222286 | 388193 | 773540 | 1078009 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Carbazole | PHN | Ave | 115583<br>1226593 | 178954 | 317402 | 623051 | 852583 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-butyl phthalate | PHN | Ave | 142843<br>1706460 | 228844 | 411271 | 821246 | 1165563 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluoranthene | PHN | Ave | 118038<br>1278210 | 180977 | 325734 | 635547 | 893525 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzidine | PHN | Ave | 9623<br>102050 | 84980 | 105110 | 75843 | 78331 | 5.00<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| Pyrene | CRY | Ave | 115051<br>1209971 | 175203 | 312197 | 614512 | 853880 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Butyl benzyl phthalate | CRY | Ave | 42437<br>477676 | 64558 | 120181 | 238614 | 339642 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,3'-Dichlorobenzidine | CRY | Ave | 34243<br>160685 | 56229 | 78825 | 89189 | 117388 | 10.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| Benzo[a]anthracene | CRY | Ave | 8076<br>742021 | 101960 | 187992 | 370933 | 521930 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Bis(2-ethylhexyl) phthalate | CRY | Ave | 53984<br>614660 | 79945 | 152254 | 297134 | 433739 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Chrysene | CRY | Ave | 67619<br>598088 | 96193 | 170554 | 327793 | 453995 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-octyl phthalate | PRY | Ave | 60644<br>815107 | 89833 | 184882 | 380893 | 577745 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[b]fluoranthene | PRY | Ave | 3581<br>473773 | 57955 | 110892 | 243740 | 329988 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[k]fluoranthene | PRY | Ave | 4279<br>477981 | 66045 | 126190 | 243266 | 364862 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[a]pyrene | PRY | Ave | 2492<br>394222 | 48243 | 91784 | 195608 | 279318 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Ave | 2004<br>332456 | 33153 | 65911 | 152363 | 225514 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 1992<br>322453 | 34446 | 68071 | 156186 | 230494 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 22589<br>315338 | 35251 | 64897 | 147352 | 218707 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorophenol | DCB | Ave | 52973<br>1077847 | 102288 | 177692 | 434665 | 655799 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol-d5 | DCB | Ave | 66868<br>1107588 | 124150 | 216954 | 520490 | 756640 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene-d5 | NPT | Ave | 60490<br>964488 | 112869 | 211930 | 467625 | 692493 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorobiphenyl | ANT | Ave | 112090<br>1681462 | 197832 | 361448 | 771230 | 1125454 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Tribromophenol | ANT | Ave | 10751<br>154239 | 20250 | 32646 | 71544 | 103629 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Terphenyl-d14 | CRY | Ave | 72516<br>777825 | 105824 | 200188 | 374927 | 534034 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3793.d
Report Date: 14-Sep-2009 13:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3793.d
Lab Smp Id: ICIS-154120
Inj Date : 14-SEP-2009 09:46
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : ICIS-154120
Misc Info : 50ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:27 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.822 | 1.822 | (0.405) | 186627 | 50.0000 | 48 |
| | 19 N-Nitrosodimethylamine | 74 | 2.057 | 2.057 | (0.457) | 276649 | 50.0000 | 49 |
| | 71 Pyridine | 79 | 2.081 | 2.081 | (0.463) | 469415 | 50.0000 | 48 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.204 | 3.204 | (0.712) | 434665 | 50.0000 | 48 |
| | 110 Benzaldehyde | 77 | 4.051 | 4.051 | (0.901) | 228584 | 50.0000 | 50 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.134 | 4.134 | (0.919) | 520490 | 50.0000 | 49 |
| | 1 Phenol | 94 | 4.151 | 4.151 | (0.923) | 560035 | 50.0000 | 49 |
| | 73 Aniline | 93 | 4.169 | 4.169 | (0.927) | 716782 | 50.0000 | 49 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.234 | 4.234 | (0.941) | 462664 | 50.0000 | 44 |
| | 2 2-Chlorophenol | 128 | 4.293 | 4.293 | (0.954) | 463661 | 50.0000 | 49 |
| | 113 n-decane | 43 | 4.340 | 4.340 | (0.965) | 397648 | 50.0000 | 51 |
| | 21 1,3-Dichlorobenzene | 146 | 4.446 | 4.446 | (0.988) | 522056 | 50.0000 | 48 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.498 | 4.498 | (1.000) | 249273 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.516 | 4.516 | (1.004) | 516923 | 50.0000 | 48 |
| | 74 Benzyl Alcohol | 108 | 4.640 | 4.640 | (1.031) | 316093 | 50.0000 | 51 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3793.d
Report Date: 14-Sep-2009 13:27

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 23 | 1,2-Dichlorobenzene | 146 | 4.669 | 4.669 | (1.038) | 497249 | 50.0000 | 48 |
| | 3 | 2-Methylphenol | 108 | 4.751 | 4.751 | (1.056) | 401238 | 50.0000 | 48 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.769 | 4.769 | (1.060) | 557361 | 50.0000 | 54 |
| | 104 | Acetophenone | 105 | 4.910 | 4.910 | (1.092) | 521618 | 50.0000 | 54 |
| | 4 | 4-Methylphenol | 108 | 4.910 | 4.910 | (1.092) | 382944 | 50.0000 | 52 |
| | 124 | 3 & 4 methylphenol | 108 | 4.910 | 4.910 | (1.092) | 382944 | 50.0000 | 52 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.934 | 4.934 | (1.097) | 299933 | 50.0000 | 55(MH) |
| | 26 | Hexachloroethane | 117 | 5.010 | 5.010 | (1.114) | 202053 | 50.0000 | 48 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 5.057 | 5.057 | (0.875) | 467625 | 50.0000 | 49 |
| | 27 | Nitrobenzene | 77 | 5.081 | 5.081 | (0.879) | 601968 | 50.0000 | 50 |
| | 107 | N,N-Dimethylaniline | 120 | 5.081 | 5.081 | (1.129) | 658964 | 50.0000 | 51 |
| | 28 | Isophorone | 82 | 5.322 | 5.322 | (0.921) | 850624 | 50.0000 | 48 |
| | 5 | 2-Nitrophenol | 139 | 5.393 | 5.393 | (0.933) | 221964 | 50.0000 | 48 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.440 | 5.440 | (0.941) | 379823 | 50.0000 | 49 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.534 | 5.534 | (0.957) | 493621 | 50.0000 | 48 |
| | 15 | Benzoic Acid | 122 | 5.592 | 5.592 | (0.967) | 110622 | 50.0000 | 43(M) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.640 | 5.640 | (0.976) | 333077 | 50.0000 | 48 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.722 | 5.722 | (0.990) | 383185 | 50.0000 | 48 |
| * | 80 | Naphthalene-d8 | 136 | 5.781 | 5.781 | (1.000) | 922836 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.804 | 5.804 | (1.004) | 1255724 | 50.0000 | 48 |
| | 32 | 4-Chloroaniline | 127 | 5.851 | 5.851 | (1.012) | 479235 | 50.0000 | 51 |
| | 33 | Hexachlorobutadiene | 225 | 5.934 | 5.934 | (1.026) | 223020 | 50.0000 | 48 |
| | 111 | Caprolactam | 113 | 6.251 | 6.251 | (1.081) | 102440 | 50.0000 | 45(M) |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.351 | 6.351 | (1.099) | 338368 | 50.0000 | 48 |
| | 34 | 2-Methylnaphthalene | 142 | 6.492 | 6.492 | (1.123) | 763554 | 50.0000 | 47 |
| | 120 | 1-Methylnaphthalene | 142 | 6.592 | 6.592 | (1.140) | 729723 | 50.0000 | 46 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.657 | 6.657 | (0.883) | 251495 | 50.0000 | 54 |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.698 | 6.698 | (1.159) | 497734 | 50.0000 | 46 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.781 | 6.781 | (0.899) | 209668 | 50.0000 | 49 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.822 | 6.822 | (0.905) | 200210 | 50.0000 | 49 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.863 | 6.863 | (0.910) | 771230 | 50.0000 | 48 |
| | 102 | Diphenyl | 154 | 6.963 | 6.963 | (0.924) | 866281 | 50.0000 | 48 |
| | 36 | 2-Chloronaphthalene | 162 | 6.987 | 6.987 | (0.927) | 668430 | 50.0000 | 48 |
| | 103 | Diphenyl Ether | 170 | 7.069 | 7.069 | (0.938) | 479568 | 50.0000 | 48 |
| | 37 | 2-Nitroaniline | 65 | 7.087 | 7.087 | (0.940) | 247849 | 50.0000 | 48 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.204 | 7.204 | (0.956) | 541894 | 50.0000 | 47 |
| | 38 | Dimethylphthalate | 163 | 7.269 | 7.269 | (0.964) | 672088 | 50.0000 | 48 |
| | 114 | Coumarin | 146 | 7.292 | 7.292 | (0.967) | 214497 | 50.0000 | 47 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.328 | 7.328 | (0.972) | 151137 | 50.0000 | 49 |
| | 39 | Acenaphthylene | 152 | 7.398 | 7.398 | (0.981) | 1071945 | 50.0000 | 48 |
| | 41 | 3-Nitroaniline | 138 | 7.492 | 7.492 | (0.994) | 158531 | 50.0000 | 50 |
| * | 82 | Acenaphthene-d10 | 164 | 7.539 | 7.539 | (1.000) | 442268 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.569 | 7.569 | (1.004) | 607026 | 50.0000 | 46 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.557 | 7.557 | (1.002) | 554318 | 50.0000 | 48 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.592 | 7.592 | (1.007) | 51445 | 50.0000 | 48 |
| | 12 | 4-Nitrophenol | 65 | 7.651 | 7.651 | (1.015) | 107795 | 50.0000 | 49 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.722 | 7.722 | (1.024) | 177756 | 50.0000 | 46 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3793.d
Report Date: 14-Sep-2009 13:27

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 | Dibenzofuran | 168 | 7.739 | 7.739 | (1.027) | 872857 | 50.0000 | 47 |
| | 45 | Diethylphthalate | 149 | 7.963 | 7.963 | (1.056) | 646504 | 50.0000 | 47 |
| | 47 | Fluorene | 166 | 8.081 | 8.081 | (1.072) | 649545 | 50.0000 | 47 |
| | 46 | 4-Chlorophenyl-phenylether | 204 | 8.075 | 8.075 | (1.071) | 312102 | 50.0000 | 47 |
| | 48 | 4-Nitroaniline | 138 | 8.098 | 8.098 | (1.074) | 134347 | 50.0000 | 54 |
| | 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.128 | 8.128 | (0.903) | 69272 | 50.0000 | 48 |
| | 49 | N-Nitrosodiphenylamine | 169 | 8.192 | 8.192 | (0.910) | 423132 | 50.0000 | 48 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 8.233 | 8.233 | (0.914) | 786137 | 50.0000 | 48 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.316 | 8.316 | (1.103) | 71544 | 50.0000 | 48 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 8.557 | 8.557 | (0.950) | 171721 | 50.0000 | 48 |
| | 51 | Hexachlorobenzene | 284 | 8.633 | 8.633 | (0.959) | 160583 | 50.0000 | 48 |
| | 112 | Atrazine | 200 | 8.722 | 8.722 | (0.969) | 135435 | 50.0000 | 52 |
| | 14 | Pentachlorophenol | 266 | 8.816 | 8.816 | (0.979) | 80156 | 50.0000 | 48 |
| | 115 | n-Octadecane | 57 | 8.898 | 8.898 | (0.988) | 442714 | 50.0000 | 49 |
| * | 83 | Phenanthrene-d10 | 188 | 9.004 | 9.004 | (1.000) | 536322 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 9.028 | 9.028 | (1.003) | 784045 | 50.0000 | 49 |
| | 53 | Anthracene | 178 | 9.080 | 9.080 | (1.008) | 773540 | 50.0000 | 48 |
| | 54 | Carbazole | 167 | 9.233 | 9.233 | (1.025) | 623051 | 50.0000 | 48 |
| | 55 | Di-n-butylphthalate | 149 | 9.575 | 9.575 | (1.063) | 821246 | 50.0000 | 48 |
| | 56 | Fluoranthene | 202 | 10.204 | 10.204 | (1.133) | 635547 | 50.0000 | 48 |
| | 58 | Benzidine | 184 | 10.327 | 10.327 | (1.147) | 75843 | 50.0000 | 41 |
| | 57 | Pyrene | 202 | 10.433 | 10.433 | (0.883) | 614512 | 50.0000 | 50 |
| $ | 78 | Terphenyl-d14 | 244 | 10.592 | 10.592 | (0.897) | 374927 | 50.0000 | 49 |
| | 59 | Butylbenzylphthalate | 149 | 11.127 | 11.127 | (0.942) | 238614 | 50.0000 | 51 |
| | 109 | 2,3,7,8-TCDD (Screen) | 322 | 11.239 | 11.239 | (0.952) | 626 | 0.50000 | 0.50 |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 11.763 | 11.763 | (0.996) | 89189 | 50.0000 | 49 |
| | 61 | Benzo(a)anthracene | 228 | 11.798 | 11.798 | (0.999) | 370933 | 50.0000 | 49 |
| * | 81 | Chrysene-d12 | 240 | 11.810 | 11.810 | (1.000) | 260473 | 40.0000 | |
| | 62 | Chrysene | 228 | 11.845 | 11.845 | (1.003) | 327793 | 50.0000 | 49 |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.833 | 11.833 | (1.002) | 297134 | 50.0000 | 50 |
| | 64 | Di-n-octylphthalate | 149 | 12.710 | 12.710 | (0.923) | 380893 | 50.0000 | 50 |
| | 65 | Benzo(b)fluoranthene | 252 | 13.233 | 13.233 | (0.962) | 243740 | 50.0000 | 54 |
| | 66 | Benzo(k)fluoranthene | 252 | 13.268 | 13.268 | (0.964) | 243266 | 50.0000 | 49 |
| | 67 | Benzo(a)pyrene | 252 | 13.680 | 13.680 | (0.994) | 195608 | 50.0000 | 53 |
| * | 84 | Perylene-d12 | 264 | 13.763 | 13.763 | (1.000) | 151810 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.333 | 15.333 | (1.114) | 152363 | 50.0000 | 54 |
| | 69 | Dibenz(a,h)anthracene | 278 | 15.374 | 15.374 | (1.117) | 156186 | 50.0000 | 54 |
| | 70 | Benzo(g,h,i)perylene | 276 | 15.780 | 15.780 | (1.147) | 147352 | 50.0000 | 52 |

QC Flag Legend

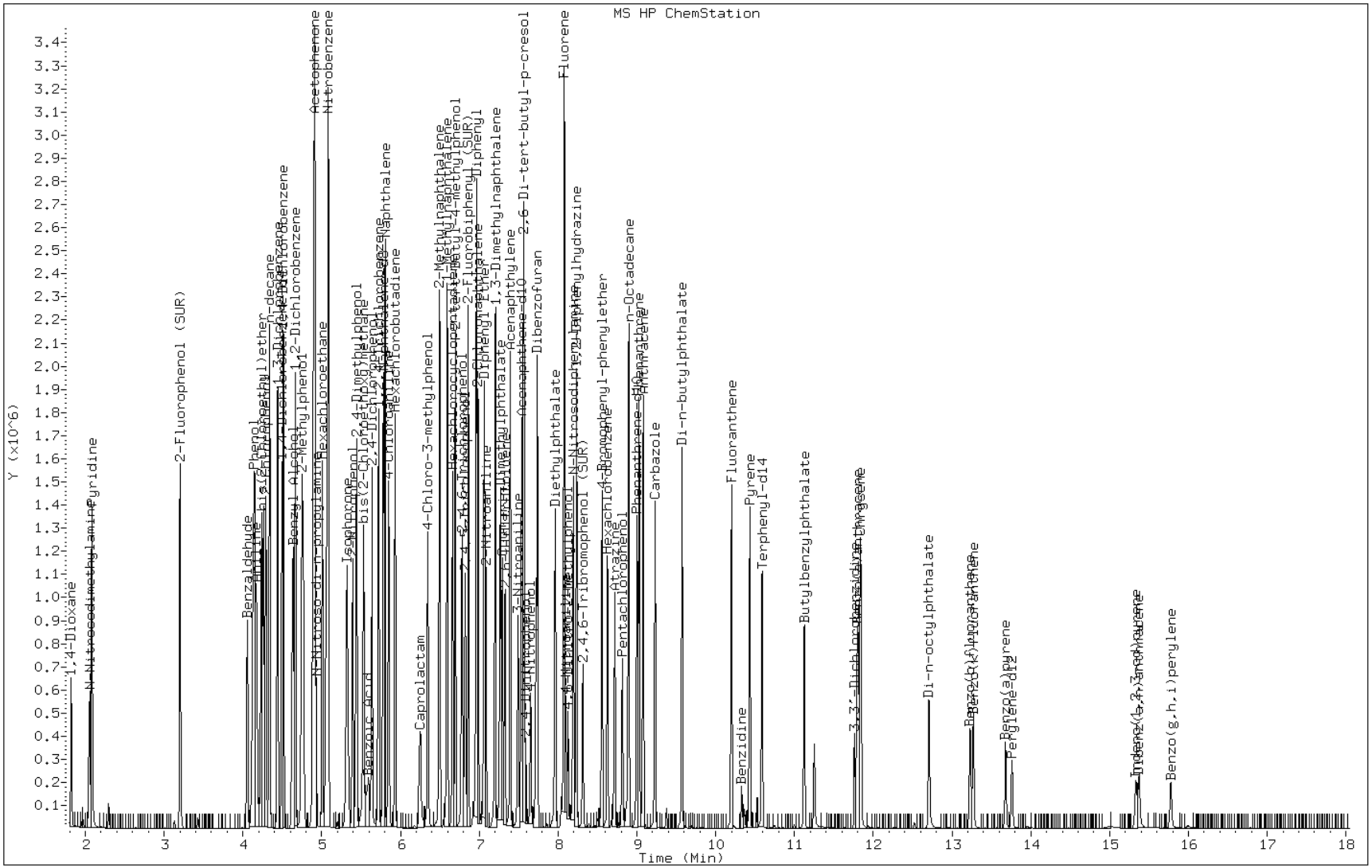
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z3793.d

Date: 14-SEP-2009 09:46

Client ID: Instrument: BNAMS11.i

Sample Info: ICIS-154120 Operator: BNAMS 4



# Manual Integration Report

Data File: z3793.d
Inj. Date and Time: 14-SEP-2009 09:46
Instrument ID: BNAMS11.i
Client ID:
Compound: 111 Caprolactam
CAS #: 105-60-2
Report Date: 09/16/2009

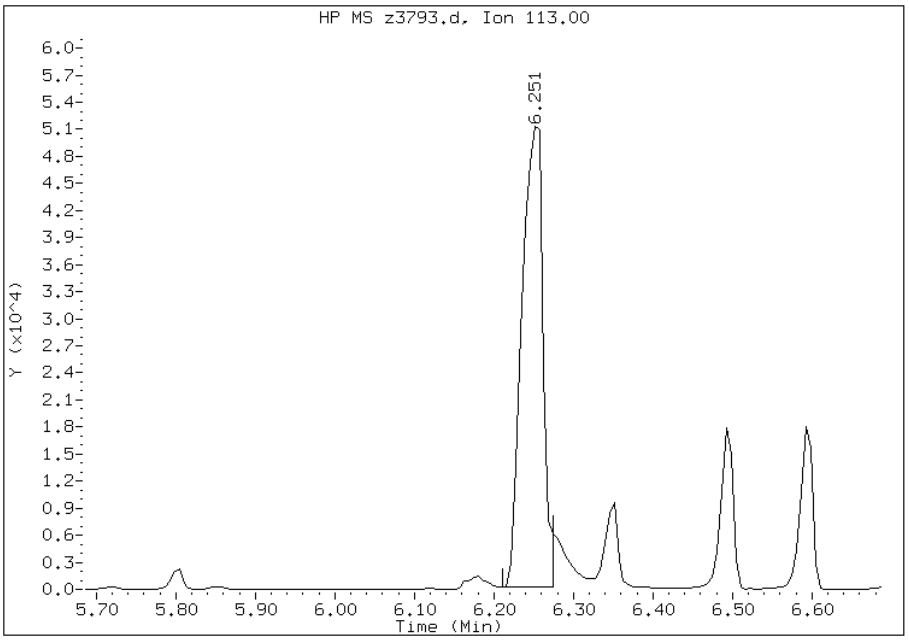
## Processing Integration Results

RT: 6.25

Response: 95621

Amount: 50

Conc: 50



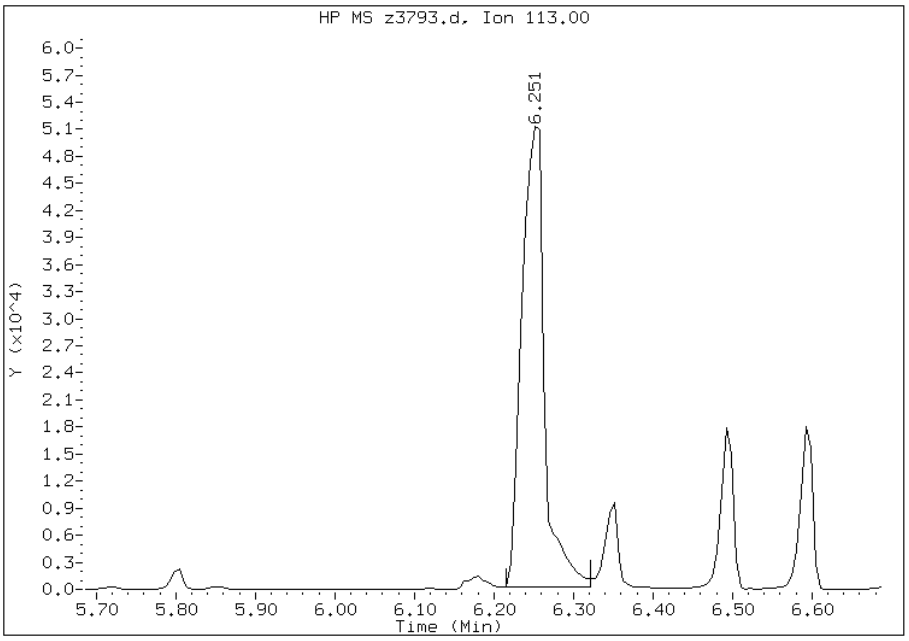

## Manual Integration Results

RT: 6.25

Response: 102440

Amount: 45

Conc: 45




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3793.d
Inj. Date and Time: 14-SEP-2009 09:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/16/2009

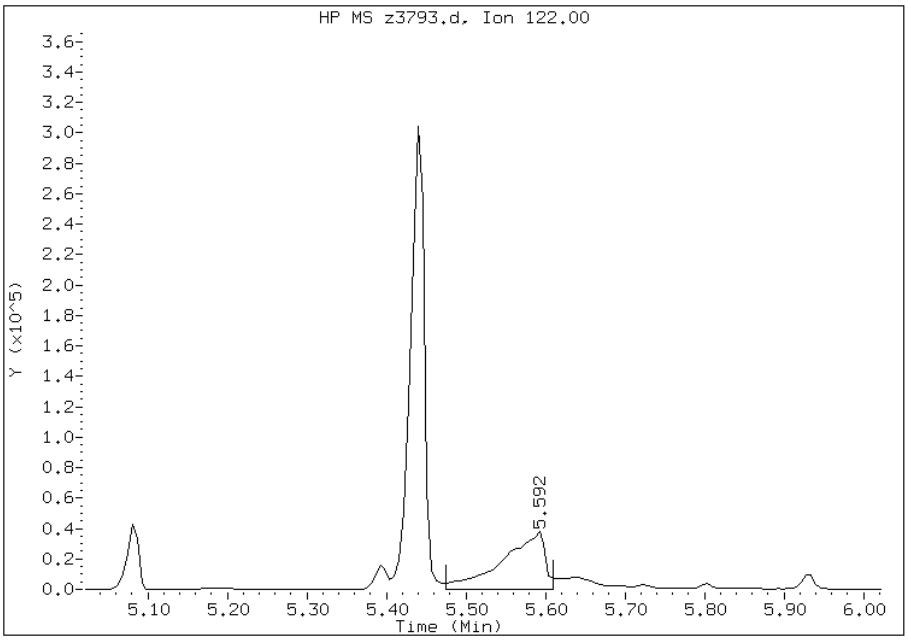
## Processing Integration Results

RT: 5.59

Response: 139928

Amount: 50

Conc: 50



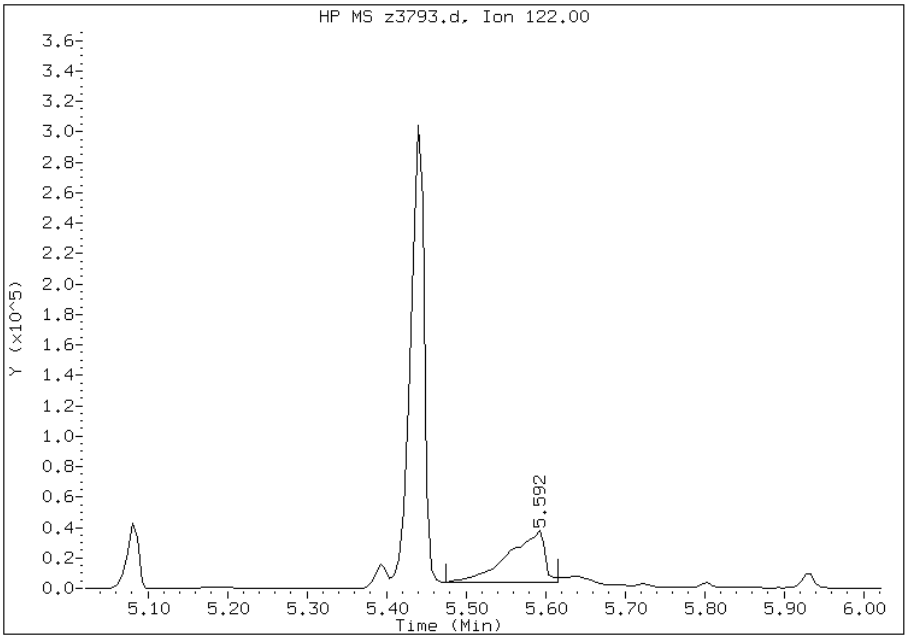

## Manual Integration Results

RT: 5.59

Response: 110622

Amount: 43

Conc: 43




Manually Integrated By: rusin
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: z3793.d
Inj. Date and Time: 14-SEP-2009 09:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/16/2009

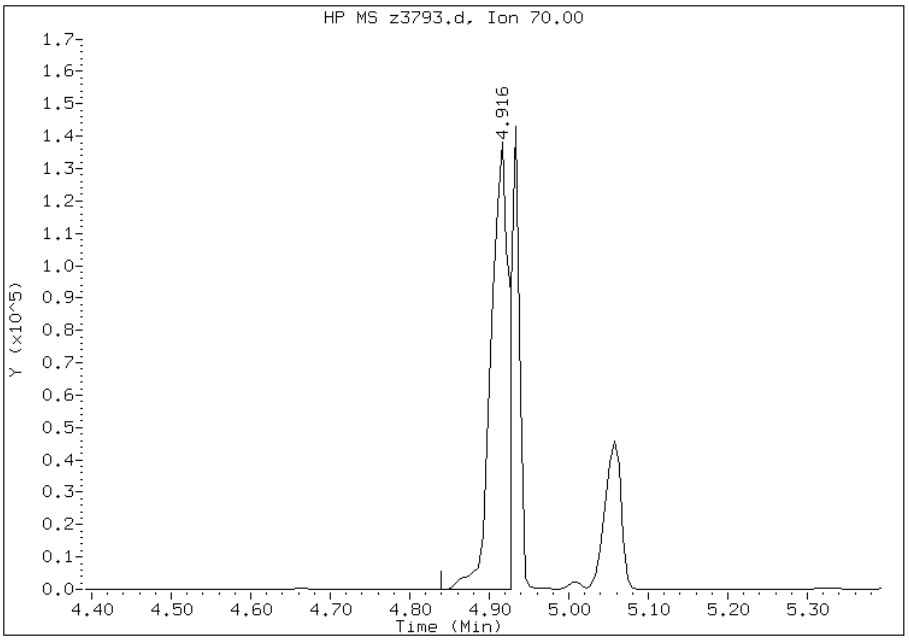
## Processing Integration Results

RT: 4.92

Response: 226279

Amount: 50

Conc: 50



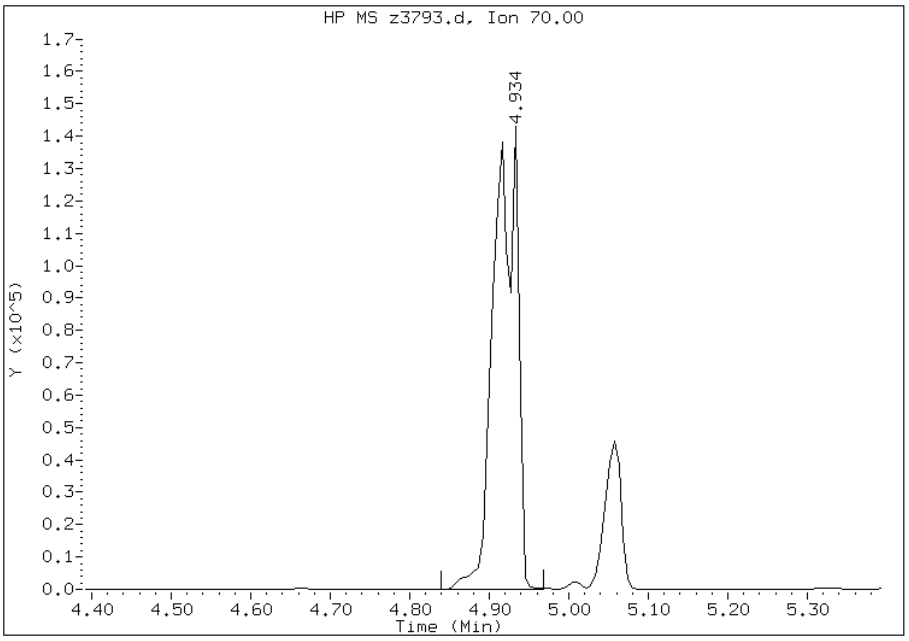

## Manual Integration Results

RT: 4.93

Response: 299933

Amount: 55

Conc: 55




Manually Integrated By: rusin
Manual Integration Reason: Split Peak

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3794.d
Report Date: 14-Sep-2009 13:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3794.d
Lab Smp Id: IC-154124
Inj Date : 14-SEP-2009 10:20
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154124
Misc Info : 120ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:27 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.904 | 1.904 | (0.423) | 476997 | 120.000 | 120(A) |
| | 19 N-Nitrosodimethylamine | 74 | 2.163 | 2.163 | (0.480) | 695404 | 120.000 | 120(A) |
| | 71 Pyridine | 79 | 2.187 | 2.187 | (0.485) | 1179583 | 120.000 | 120 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.257 | 3.257 | (0.723) | 1077847 | 120.000 | 120 |
| | 110 Benzaldehyde | 77 | 4.069 | 4.069 | (0.903) | 221992 | 120.000 | 48 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.163 | 4.163 | (0.924) | 1107588 | 120.000 | 100 |
| | 1 Phenol | 94 | 4.181 | 4.181 | (0.928) | 1293057 | 120.000 | 110 |
| | 73 Aniline | 93 | 4.187 | 4.187 | (0.929) | 1026185 | 120.000 | 70 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.251 | 4.251 | (0.944) | 1550943 | 120.000 | 150(AM) |
| | 2 2-Chlorophenol | 128 | 4.316 | 4.316 | (0.958) | 1009226 | 120.000 | 110 |
| | 113 n-decane | 43 | 4.346 | 4.346 | (0.965) | 776187 | 120.000 | 120(A) |
| | 21 1,3-Dichlorobenzene | 146 | 4.457 | 4.457 | (0.990) | 1208475 | 120.000 | 110 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.504 | 4.504 | (1.000) | 250942 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.528 | 4.528 | (1.005) | 1166413 | 120.000 | 110 |
| | 74 Benzyl Alcohol | 108 | 4.663 | 4.663 | (1.035) | 681759 | 120.000 | 110 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3794.d
Report Date: 14-Sep-2009 13:27

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 23 | 1,2-Dichlorobenzene | 146 | 4.681 | 4.681 | (1.039) | 1066579 | 120.000 | 100 |
| | 3 | 2-Methylphenol | 108 | 4.769 | 4.769 | (1.059) | 850134 | 120.000 | 100 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.781 | 4.781 | (1.061) | 1034826 | 120.000 | 120(A) |
| | 104 | Acetophenone | 105 | 4.934 | 4.934 | (1.095) | 1129409 | 120.000 | 120 |
| | 4 | 4-Methylphenol | 108 | 4.940 | 4.940 | (1.097) | 876498 | 120.000 | 120 |
| | 124 | 3 & 4 methylphenol | 108 | 4.940 | 4.940 | (1.097) | 876498 | 120.000 | 120 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.969 | 4.969 | (1.103) | 643963 | 120.000 | 120 |
| | 26 | Hexachloroethane | 117 | 5.016 | 5.016 | (1.114) | 431849 | 120.000 | 100 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 5.081 | 5.081 | (0.878) | 964488 | 120.000 | 100 |
| | 27 | Nitrobenzene | 77 | 5.104 | 5.104 | (0.882) | 1182098 | 120.000 | 120(A) |
| | 107 | N,N-Dimethylaniline | 120 | 5.104 | 5.104 | (1.133) | 1352083 | 120.000 | 120(A) |
| | 28 | Isophorone | 82 | 5.357 | 5.357 | (0.926) | 1846601 | 120.000 | 110(MH) |
| | 5 | 2-Nitrophenol | 139 | 5.410 | 5.410 | (0.935) | 525809 | 120.000 | 120 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.463 | 5.463 | (0.944) | 812338 | 120.000 | 110 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.545 | 5.545 | (0.958) | 1069583 | 120.000 | 110 |
| | 15 | Benzoic Acid | 122 | 5.663 | 5.663 | (0.979) | 329293 | 120.000 | 130(AM) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.657 | 5.657 | (0.978) | 727590 | 120.000 | 110 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.734 | 5.734 | (0.991) | 866877 | 120.000 | 110 |
| * | 80 | Naphthalene-d8 | 136 | 5.787 | 5.787 | (1.000) | 890619 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.816 | 5.816 | (1.005) | 2691175 | 120.000 | 110 |
| | 32 | 4-Chloroaniline | 127 | 5.863 | 5.863 | (1.013) | 946476 | 120.000 | 120(A) |
| | 33 | Hexachlorobutadiene | 225 | 5.939 | 5.939 | (1.026) | 518744 | 120.000 | 120 |
| | 111 | Caprolactam | 113 | 6.322 | 6.322 | (1.093) | 212059 | 120.000 | 96(H) |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.369 | 6.369 | (1.101) | 728536 | 120.000 | 110 |
| | 34 | 2-Methylnaphthalene | 142 | 6.504 | 6.504 | (1.124) | 1638847 | 120.000 | 100 |
| | 120 | 1-Methylnaphthalene | 142 | 6.604 | 6.604 | (1.141) | 1606670 | 120.000 | 100 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.663 | 6.663 | (0.884) | 557207 | 120.000 | 130(A) |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.710 | 6.710 | (1.160) | 1101570 | 120.000 | 100(MH) |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.792 | 6.792 | (0.901) | 538563 | 120.000 | 140(A) |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.839 | 6.839 | (0.907) | 382880 | 120.000 | 100 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.875 | 6.875 | (0.912) | 1681462 | 120.000 | 120 |
| | 102 | Diphenyl | 154 | 6.975 | 6.975 | (0.925) | 1795786 | 120.000 | 110 |
| | 36 | 2-Chloronaphthalene | 162 | 6.992 | 6.992 | (0.927) | 1401609 | 120.000 | 110 |
| | 103 | Diphenyl Ether | 170 | 7.075 | 7.075 | (0.938) | 1038988 | 120.000 | 110 |
| | 37 | 2-Nitroaniline | 65 | 7.098 | 7.098 | (0.941) | 384835 | 120.000 | 82(H) |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.210 | 7.210 | (0.956) | 1169044 | 120.000 | 110 |
| | 38 | Dimethylphthalate | 163 | 7.281 | 7.281 | (0.966) | 1332829 | 120.000 | 100 |
| | 114 | Coumarin | 146 | 7.310 | 7.310 | (0.970) | 452890 | 120.000 | 110 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.339 | 7.339 | (0.973) | 319171 | 120.000 | 110 |
| | 39 | Acenaphthylene | 152 | 7.410 | 7.410 | (0.983) | 2193123 | 120.000 | 110 |
| | 41 | 3-Nitroaniline | 138 | 7.510 | 7.510 | (0.996) | 268371 | 120.000 | 92 |
| * | 82 | Acenaphthene-d10 | 164 | 7.539 | 7.539 | (1.000) | 405491 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.581 | 7.581 | (1.005) | 1256161 | 120.000 | 100 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.563 | 7.563 | (1.003) | 1205642 | 120.000 | 110 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.610 | 7.610 | (1.009) | 120093 | 120.000 | 120(AH) |
| | 12 | 4-Nitrophenol | 65 | 7.669 | 7.669 | (1.017) | 211371 | 120.000 | 100 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.739 | 7.739 | (1.027) | 379879 | 120.000 | 110 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3794.d
Report Date: 14-Sep-2009 13:27

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 | Dibenzofuran | 168 | 7.751 | 7.751 | (1.028) | 1822105 | 120.000 | 110 |
| | 45 | Diethylphthalate | 149 | 7.981 | 7.981 | (1.058) | 1372988 | 120.000 | 110 |
| | 47 | Fluorene | 166 | 8.092 | 8.092 | (1.073) | 1360389 | 120.000 | 110 |
| | 46 | 4-Chlorophenyl-phenylether | 204 | 8.081 | 8.081 | (1.072) | 683460 | 120.000 | 110 |
| | 48 | 4-Nitroaniline | 138 | 8.122 | 8.122 | (1.077) | 264018 | 120.000 | 120 |
| | 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.145 | 8.145 | (0.904) | 148205 | 120.000 | 110 |
| | 49 | N-Nitrosodiphenylamine | 169 | 8.204 | 8.204 | (0.911) | 911947 | 120.000 | 110 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 8.239 | 8.239 | (0.914) | 1721810 | 120.000 | 120 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.328 | 8.328 | (1.105) | 154239 | 120.000 | 110 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 8.563 | 8.563 | (0.950) | 383738 | 120.000 | 120 |
| | 51 | Hexachlorobenzene | 284 | 8.639 | 8.639 | (0.959) | 353187 | 120.000 | 120 |
| | 112 | Atrazine | 200 | 8.728 | 8.728 | (0.969) | 218554 | 120.000 | 120 |
| | 14 | Pentachlorophenol | 266 | 8.822 | 8.822 | (0.979) | 183891 | 120.000 | 120(A) |
| | 115 | n-Octadecane | 57 | 8.898 | 8.898 | (0.988) | 863746 | 120.000 | 100 |
| * | 83 | Phenanthrene-d10 | 188 | 9.010 | 9.010 | (1.000) | 484192 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 9.039 | 9.039 | (1.003) | 1638614 | 120.000 | 110 |
| | 53 | Anthracene | 178 | 9.086 | 9.086 | (1.008) | 1557188 | 120.000 | 110 |
| | 54 | Carbazole | 167 | 9.239 | 9.239 | (1.025) | 1226593 | 120.000 | 100 |
| | 55 | Di-n-butylphthalate | 149 | 9.575 | 9.575 | (1.063) | 1706460 | 120.000 | 110 |
| | 56 | Fluoranthene | 202 | 10.210 | 10.210 | (1.133) | 1278210 | 120.000 | 100 |
| | 58 | Benzidine | 184 | 10.327 | 10.327 | (1.146) | 102050 | 120.000 | 61 |
| | 57 | Pyrene | 202 | 10.439 | 10.439 | (0.884) | 1209971 | 120.000 | 120 |
| $ | 78 | Terphenyl-d14 | 244 | 10.592 | 10.592 | (0.896) | 777825 | 120.000 | 120(A) |
| | 59 | Butylbenzylphthalate | 149 | 11.127 | 11.127 | (0.942) | 477676 | 120.000 | 120(A) |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 11.769 | 11.769 | (0.996) | 160685 | 120.000 | 100 |
| | 61 | Benzo(a)anthracene | 228 | 11.804 | 11.804 | (0.999) | 742021 | 120.000 | 120 |
| * | 81 | Chrysene-d12 | 240 | 11.816 | 11.816 | (1.000) | 215997 | 40.0000 | |
| | 62 | Chrysene | 228 | 11.851 | 11.851 | (1.003) | 598088 | 120.000 | 110 |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.839 | 11.839 | (1.002) | 614660 | 120.000 | 120(A) |
| | 64 | Di-n-octylphthalate | 149 | 12.710 | 12.710 | (0.923) | 815107 | 120.000 | 130(A) |
| | 65 | Benzo(b)fluoranthene | 252 | 13.239 | 13.239 | (0.962) | 473773 | 120.000 | 120(A) |
| | 66 | Benzo(k)fluoranthene | 252 | 13.280 | 13.280 | (0.965) | 477981 | 120.000 | 120 |
| | 67 | Benzo(a)pyrene | 252 | 13.692 | 13.692 | (0.995) | 394222 | 120.000 | 130(A) |
| * | 84 | Perylene-d12 | 264 | 13.763 | 13.763 | (1.000) | 125864 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.351 | 15.351 | (1.115) | 332456 | 120.000 | 140(A) |
| | 69 | Dibenz(a,h)anthracene | 278 | 15.386 | 15.386 | (1.118) | 322453 | 120.000 | 130(A) |
| | 70 | Benzo(g,h,i)perylene | 276 | 15.798 | 15.798 | (1.148) | 315338 | 120.000 | 130(A) |

QC Flag Legend

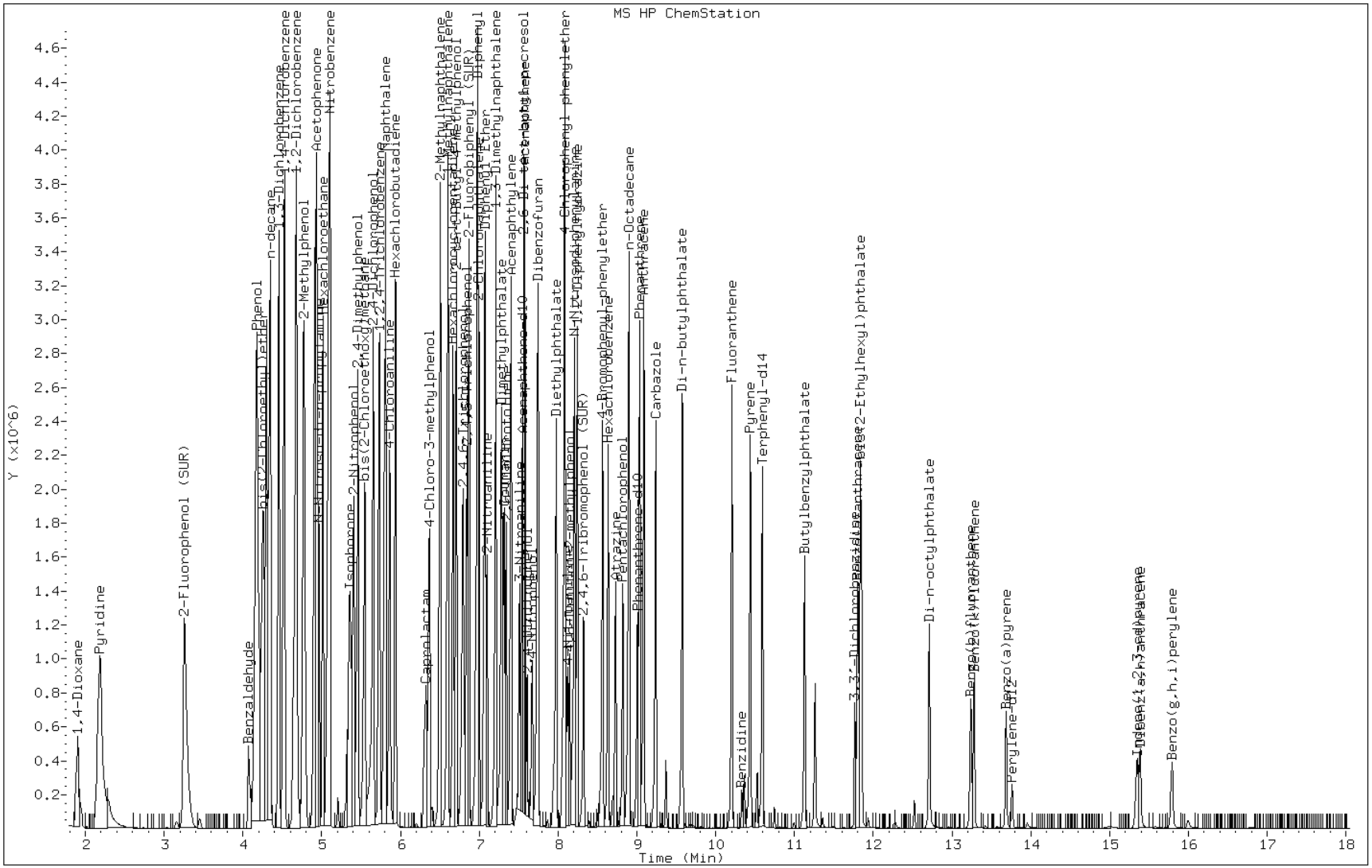
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z3794.d

Date: 14-SEP-2009 10:20

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154124 Operator: BNAMS 4



# Manual Integration Report

Data File: z3794.d
Inj. Date and Time: 14-SEP-2009 10:20
Instrument ID: BNAMS11.i
Client ID:
Compound:  20 bis(2-Chloroethyl)ether
CAS #: 111-44-4
Report Date: 09/16/2009

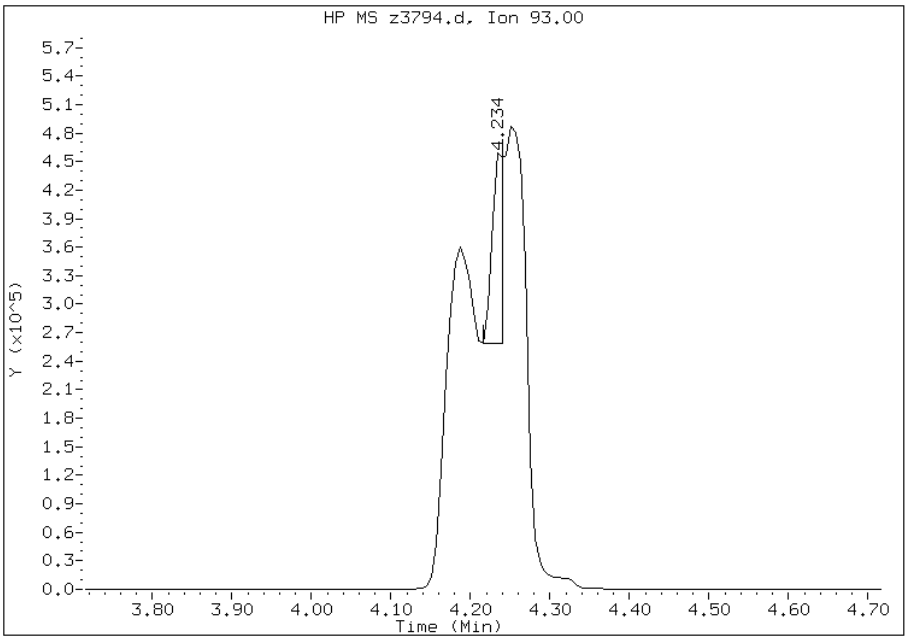
## Processing Integration Results

RT: 4.23

Response: 199961

Amount: 36

Conc: 36



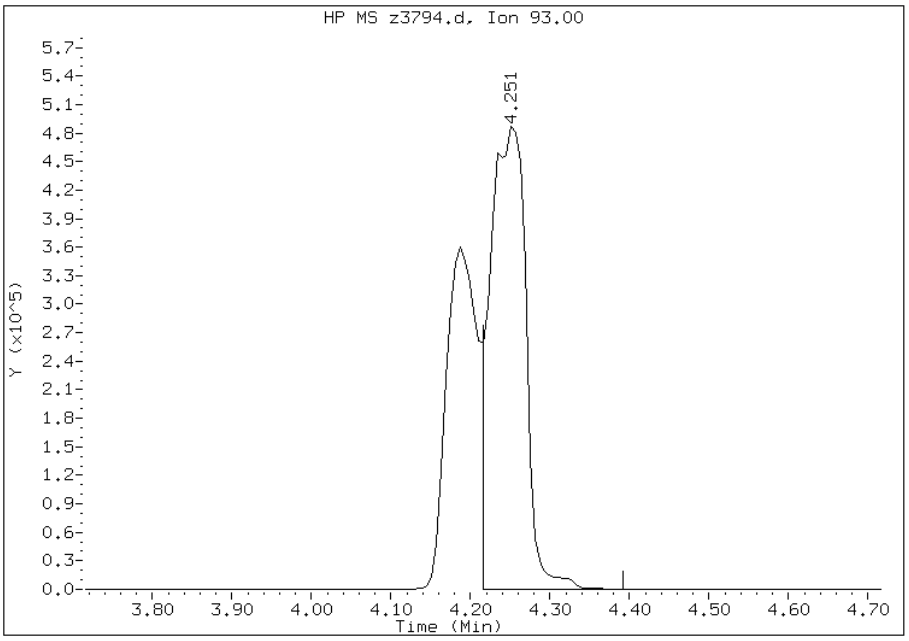

## Manual Integration Results

RT: 4.25

Response: 1550943

Amount: 147

Conc: 147




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3794.d
Inj. Date and Time: 14-SEP-2009 10:20
Instrument ID: BNAMS11.i
Client ID:
Compound:  28 Isophorone
CAS #: 78-59-1
Report Date: 09/16/2009

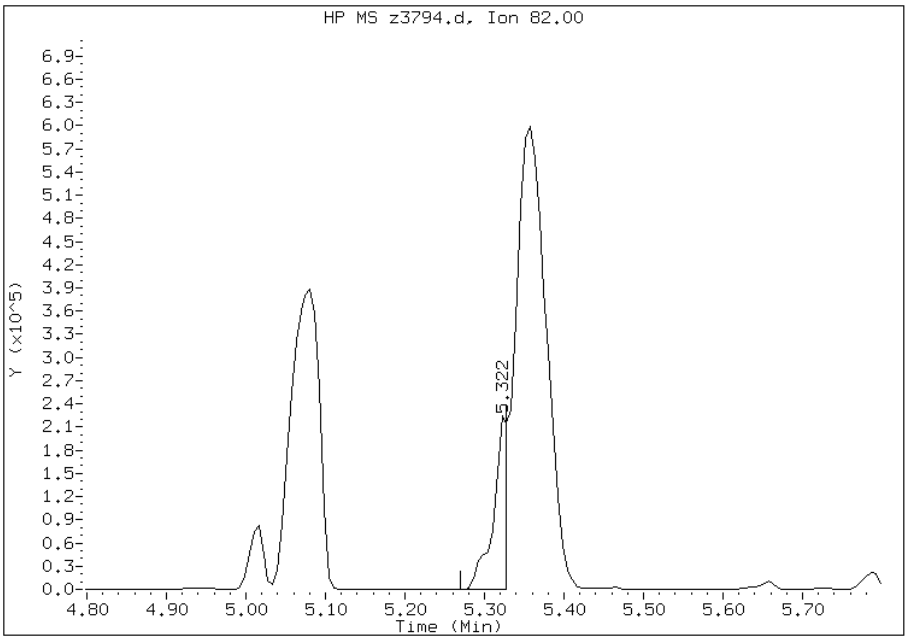
## Processing Integration Results

RT: 5.32

Response: 286788

Amount: 20

Conc: 20



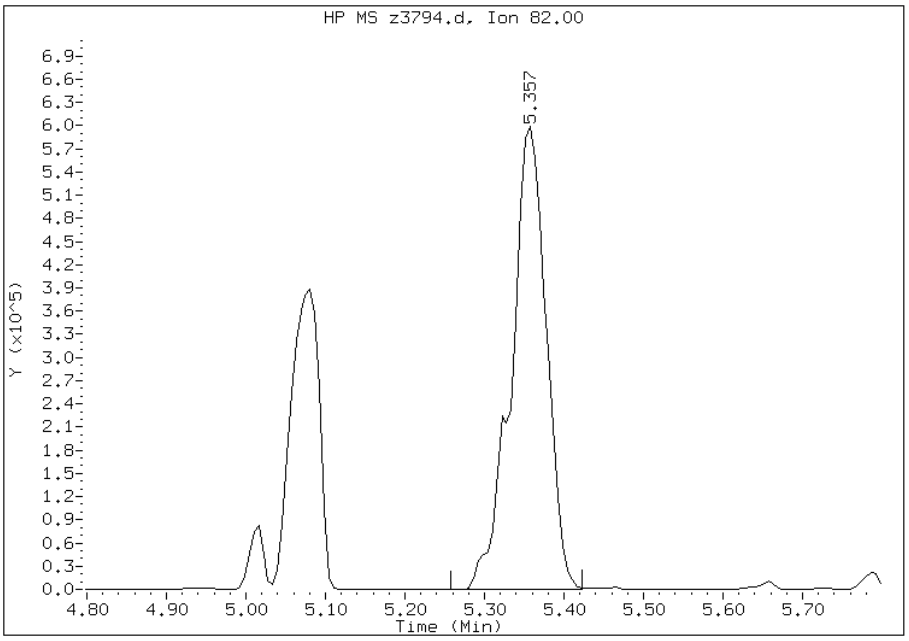

## Manual Integration Results

RT: 5.36

Response: 1846601

Amount: 108

Conc: 108




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3794.d
Inj. Date and Time: 14-SEP-2009 10:20
Instrument ID: BNAMS11.i
Client ID:
Compound: 121 2-tert-Butyl-4-methylphenol
CAS #: 2409-55-4
Report Date: 09/16/2009

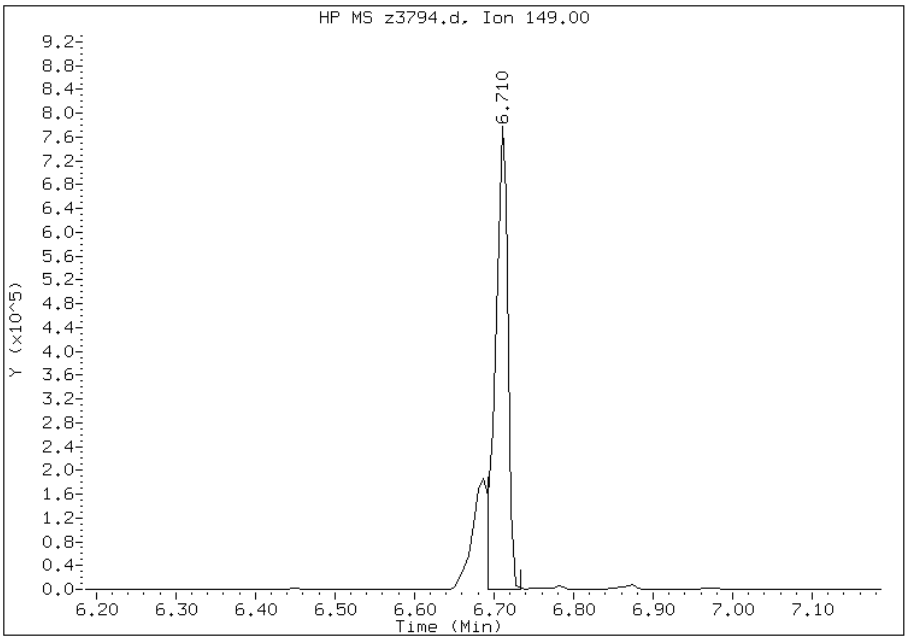
## Processing Integration Results

RT: 6.71

Response: 892760

Amount: 91

Conc: 91



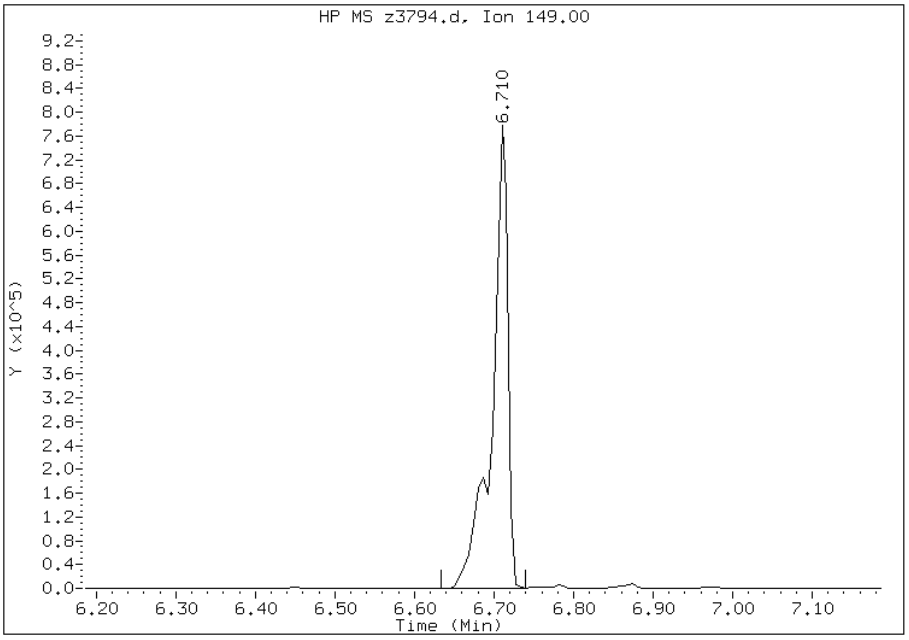

## Manual Integration Results

RT: 6.71

Response: 1101570

Amount: 105

Conc: 105




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3794.d
Inj. Date and Time: 14-SEP-2009 10:20
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/16/2009

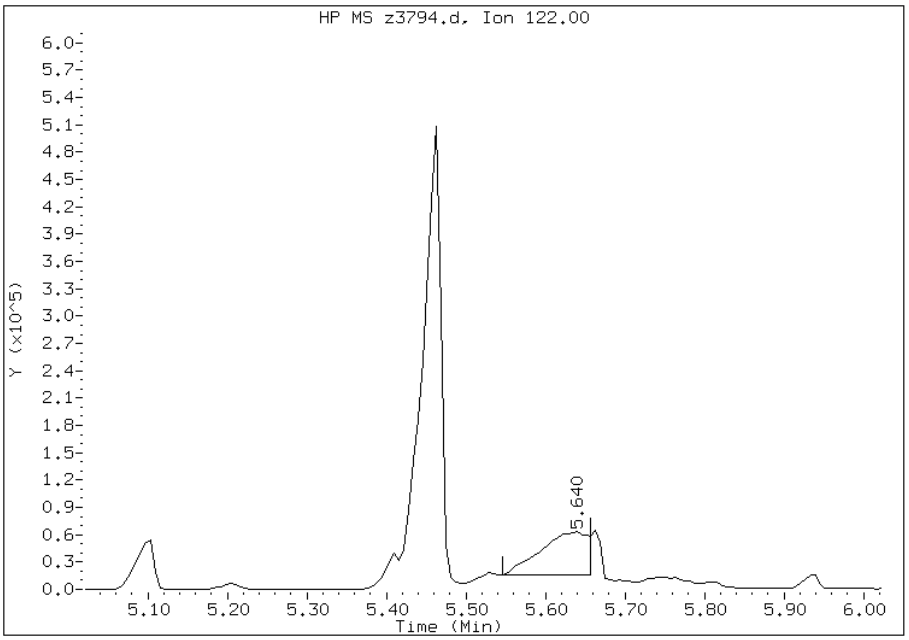
## Processing Integration Results

RT: 5.64

Response: 195594

Amount: 163

Conc: 163



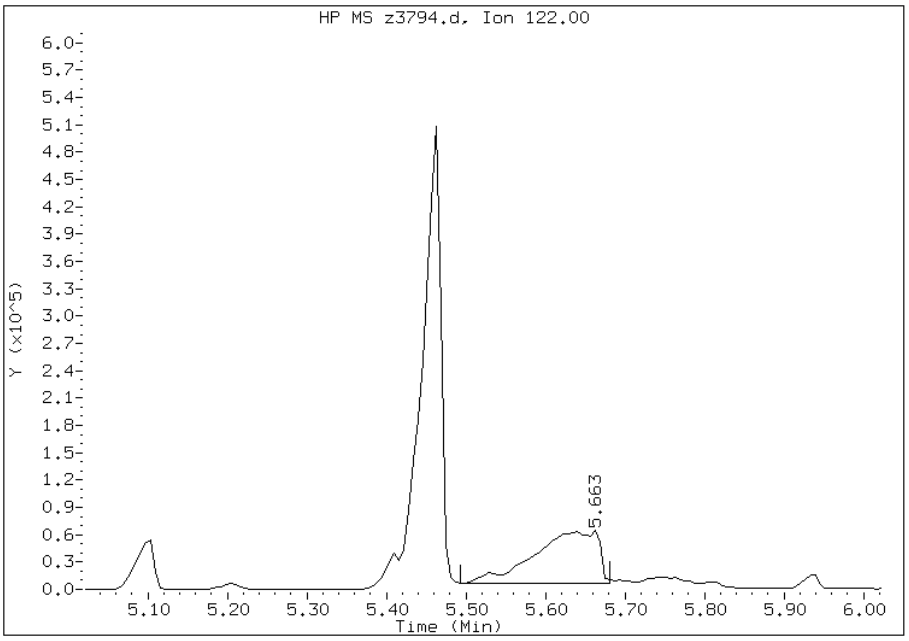

## Manual Integration Results

RT: 5.66

Response: 329293

Amount: 133

Conc: 133




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3795.d
Report Date: 14-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3795.d
Lab Smp Id: IC-154121
Inj Date : 14-SEP-2009 10:44
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154121
Misc Info : 5ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:28 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.828 | 1.828 | (0.407) | 22422 | 5.00000 | 5.3 |
| | 19 N-Nitrosodimethylamine | 74 | 2.051 | 2.051 | (0.457) | 32083 | 5.00000 | 5.2(H) |
| | 71 Pyridine | 79 | 2.093 | 2.093 | (0.466) | 57302 | 5.00000 | 5.4(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.198 | 3.198 | (0.713) | 52973 | 5.00000 | 5.4 |
| | 110 Benzaldehyde | 77 | 4.045 | 4.045 | (0.902) | 28635 | 5.00000 | 5.7 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.104 | 4.104 | (0.915) | 66868 | 5.00000 | 5.7(H) |
| | 1 Phenol | 94 | 4.116 | 4.116 | (0.917) | 68749 | 5.00000 | 5.6(H) |
| | 73 Aniline | 93 | 4.151 | 4.151 | (0.925) | 87007 | 5.00000 | 5.4 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.210 | 4.210 | (0.938) | 6143 | 0.50000 | 0.54 |
| | 2 2-Chlorophenol | 128 | 4.275 | 4.275 | (0.953) | 58065 | 5.00000 | 5.6 |
| | 113 n-decane | 43 | 4.334 | 4.334 | (0.966) | 58260 | 5.00000 | 5.5 |
| | 21 1,3-Dichlorobenzene | 146 | 4.434 | 4.434 | (0.988) | 66105 | 5.00000 | 5.6 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.487 | 4.487 | (1.000) | 271403 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.504 | 4.504 | (1.004) | 65719 | 5.00000 | 5.6 |
| | 74 Benzyl Alcohol | 108 | 4.616 | 4.616 | (1.029) | 36269 | 5.00000 | 5.3(H) |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3795.d
Report Date: 14-Sep-2009 13:28

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 23 | 1,2-Dichlorobenzene | 146 | 4.657 | 4.657 | (1.038) | 64995 | 5.00000 | 5.8 |
| | 3 | 2-Methylphenol | 108 | 4.728 | 4.728 | (1.054) | 52113 | 5.00000 | 5.8 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.757 | 4.757 | (1.060) | 79767 | 5.00000 | 5.4 |
| | 104 | Acetophenone | 105 | 4.887 | 4.887 | (1.089) | 80824 | 5.00000 | 7.7(H) |
| | 4 | 4-Methylphenol | 108 | 4.881 | 4.881 | (1.088) | 57428 | 5.00000 | 7.2 |
| | 124 | 3 & 4 methylphenol | 108 | 4.881 | 4.881 | (1.088) | 57428 | 5.00000 | 7.2(aH) |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.887 | 4.887 | (1.089) | 4243 | 0.50000 | 0.71 |
| | 26 | Hexachloroethane | 117 | 5.004 | 5.004 | (1.115) | 2611 | 0.50000 | 0.57 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 5.039 | 5.039 | (0.873) | 60490 | 5.00000 | 5.4 |
| | 27 | Nitrobenzene | 77 | 5.057 | 5.057 | (0.876) | 9047 | 0.50000 | 0.54(H) |
| | 107 | N,N-Dimethylaniline | 120 | 5.063 | 5.063 | (1.128) | 10786 | 0.50000 | 0.64 |
| | 28 | Isophorone | 82 | 5.298 | 5.298 | (0.917) | 115665 | 5.00000 | 5.6 |
| | 5 | 2-Nitrophenol | 139 | 5.381 | 5.381 | (0.932) | 27338 | 5.00000 | 5.1 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.422 | 5.422 | (0.939) | 51847 | 5.00000 | 5.7 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.516 | 5.516 | (0.955) | 67690 | 5.00000 | 5.7 |
| | 15 | Benzoic Acid | 122 | 5.498 | 5.498 | (0.952) | 13548 | 5.00000 | 4.6(aMH) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.622 | 5.622 | (0.974) | 45348 | 5.00000 | 5.6 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.716 | 5.716 | (0.990) | 5288 | 0.50000 | 0.57 |
| * | 80 | Naphthalene-d8 | 136 | 5.775 | 5.775 | (1.000) | 1072064 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.792 | 5.792 | (1.003) | 172352 | 5.00000 | 5.6 |
| | 32 | 4-Chloroaniline | 127 | 5.839 | 5.839 | (1.011) | 68699 | 5.00000 | 5.4 |
| | 33 | Hexachlorobutadiene | 225 | 5.928 | 5.928 | (1.026) | 5752 | 1.00000 | 1.1 |
| | 111 | Caprolactam | 113 | 6.169 | 6.169 | (1.068) | 15323 | 5.00000 | 5.8 |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.328 | 6.328 | (1.096) | 47305 | 5.00000 | 5.8 |
| | 34 | 2-Methylnaphthalene | 142 | 6.486 | 6.486 | (1.123) | 112993 | 5.00000 | 5.9 |
| | 120 | 1-Methylnaphthalene | 142 | 6.586 | 6.586 | (1.141) | 108695 | 5.00000 | 5.9 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.657 | 6.657 | (0.884) | 27377 | 5.00000 | 4.4(a) |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.686 | 6.686 | (1.158) | 74959 | 5.00000 | 5.9 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.769 | 6.769 | (0.898) | 28315 | 5.00000 | 4.9(aH) |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.804 | 6.804 | (0.903) | 29843 | 5.00000 | 5.5 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.851 | 6.851 | (0.909) | 112090 | 5.00000 | 5.3 |
| | 102 | Diphenyl | 154 | 6.951 | 6.951 | (0.923) | 133698 | 5.00000 | 5.6 |
| | 36 | 2-Chloronaphthalene | 162 | 6.969 | 6.969 | (0.925) | 101101 | 5.00000 | 5.5 |
| | 103 | Diphenyl Ether | 170 | 7.057 | 7.057 | (0.937) | 71410 | 5.00000 | 5.4 |
| | 37 | 2-Nitroaniline | 65 | 7.069 | 7.069 | (0.938) | 66087 | 10.0000 | 9.7(a) |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.192 | 7.192 | (0.955) | 83190 | 5.00000 | 5.5 |
| | 38 | Dimethylphthalate | 163 | 7.251 | 7.251 | (0.963) | 108114 | 5.00000 | 5.7 |
| | 114 | Coumarin | 146 | 7.275 | 7.275 | (0.966) | 35226 | 5.00000 | 5.8(H) |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.310 | 7.310 | (0.970) | 4249 | 1.00000 | 1.0 |
| | 39 | Acenaphthylene | 152 | 7.386 | 7.386 | (0.980) | 165320 | 5.00000 | 5.6 |
| | 41 | 3-Nitroaniline | 138 | 7.475 | 7.475 | (0.992) | 49000 | 10.0000 | 12(H) |
| * | 82 | Acenaphthene-d10 | 164 | 7.533 | 7.533 | (1.000) | 588489 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.557 | 7.557 | (1.003) | 105585 | 5.00000 | 6.0 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.545 | 7.545 | (1.002) | 82422 | 5.00000 | 5.4 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.575 | 7.575 | (1.005) | 18743 | 15.0000 | 13(a) |
| | 12 | 4-Nitrophenol | 65 | 7.639 | 7.639 | (1.014) | 48967 | 15.0000 | 17 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.704 | 7.704 | (1.023) | 5728 | 1.00000 | 1.1 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3795.d
Report Date: 14-Sep-2009 13:28

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 Dibenzofuran | 168 | 7.728 | 7.728 | (1.026) | 137493 | 5.00000 | 5.6 |
| | 45 Diethylphthalate | 149 | 7.951 | 7.951 | (1.055) | 104597 | 5.00000 | 5.7 |
| | 47 Fluorene | 166 | 8.069 | 8.069 | (1.071) | 106454 | 5.00000 | 5.8 |
| | 46 4-Chlorophenyl-phenylether | 204 | 8.063 | 8.063 | (1.070) | 49624 | 5.00000 | 5.6 |
| | 48 4-Nitroaniline | 138 | 8.080 | 8.080 | (1.073) | 45135 | 10.0000 | 14 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 8.110 | 8.110 | (0.901) | 29991 | 15.0000 | 14(a) |
| | 49 N-Nitrosodiphenylamine | 169 | 8.180 | 8.180 | (0.909) | 73632 | 5.00000 | 5.5 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.222 | 8.222 | (0.914) | 130880 | 5.00000 | 5.3 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.304 | 8.304 | (1.102) | 10751 | 5.00000 | 5.4 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.545 | 8.545 | (0.950) | 27518 | 5.00000 | 5.1 |
| | 51 Hexachlorobenzene | 284 | 8.622 | 8.622 | (0.958) | 2708 | 0.50000 | 0.53 |
| | 112 Atrazine | 200 | 8.704 | 8.704 | (0.967) | 24280 | 5.00000 | 4.2(a) |
| | 14 Pentachlorophenol | 266 | 8.810 | 8.810 | (0.979) | 37616 | 15.0000 | 15 |
| | 115 n-Octadecane | 57 | 8.886 | 8.886 | (0.988) | 76101 | 5.00000 | 5.5 |
| * | 83 Phenanthrene-d10 | 188 | 8.998 | 8.998 | (1.000) | 818078 | 40.0000 | |
| | 52 Phenanthrene | 178 | 9.022 | 9.022 | (1.003) | 135456 | 5.00000 | 5.6 |
| | 53 Anthracene | 178 | 9.069 | 9.069 | (1.008) | 137257 | 5.00000 | 5.6 |
| | 54 Carbazole | 167 | 9.222 | 9.222 | (1.025) | 115583 | 5.00000 | 5.8 |
| | 55 Di-n-butylphthalate | 149 | 9.563 | 9.563 | (1.063) | 142843 | 5.00000 | 5.5 |
| | 56 Fluoranthene | 202 | 10.192 | 10.192 | (1.133) | 118038 | 5.00000 | 5.8 |
| | 58 Benzidine | 184 | 10.321 | 10.321 | (1.147) | 9623 | 5.00000 | 3.4(a) |
| | 57 Pyrene | 202 | 10.421 | 10.421 | (0.883) | 115051 | 5.00000 | 5.0 |
| $ | 78 Terphenyl-d14 | 244 | 10.580 | 10.580 | (0.896) | 72516 | 5.00000 | 5.0 |
| | 59 Butylbenzylphthalate | 149 | 11.116 | 11.116 | (0.942) | 42437 | 5.00000 | 4.8(a) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.757 | 11.757 | (0.996) | 34243 | 10.0000 | 10 |
| | 61 Benzo(a)anthracene | 228 | 11.792 | 11.792 | (0.999) | 8076 | 0.50000 | 0.57 |
| * | 81 Chrysene-d12 | 240 | 11.804 | 11.804 | (1.000) | 488025 | 40.0000 | |
| | 62 Chrysene | 228 | 11.833 | 11.833 | (1.002) | 67619 | 5.00000 | 5.4 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.827 | 11.827 | (1.002) | 53984 | 5.00000 | 4.8(a) |
| | 64 Di-n-octylphthalate | 149 | 12.698 | 12.698 | (0.923) | 60644 | 5.00000 | 4.4(a) |
| | 65 Benzo(b)fluoranthene | 252 | 13.221 | 13.221 | (0.961) | 3581 | 0.50000 | 0.43(a) |
| | 66 Benzo(k)fluoranthene | 252 | 13.257 | 13.257 | (0.964) | 4279 | 0.50000 | 0.46(aM) |
| | 67 Benzo(a)pyrene | 252 | 13.674 | 13.674 | (0.994) | 2492 | 0.50000 | 0.37(aM) |
| * | 84 Perylene-d12 | 264 | 13.757 | 13.757 | (1.000) | 280054 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.315 | 15.315 | (1.113) | 2004 | 0.50000 | 0.38(aM) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.362 | 15.362 | (1.117) | 1992 | 0.50000 | 0.37(aM) |
| | 70 Benzo(g,h,i)perylene | 276 | 15.756 | 15.756 | (1.145) | 22589 | 5.00000 | 4.3(a) |

QC Flag Legend

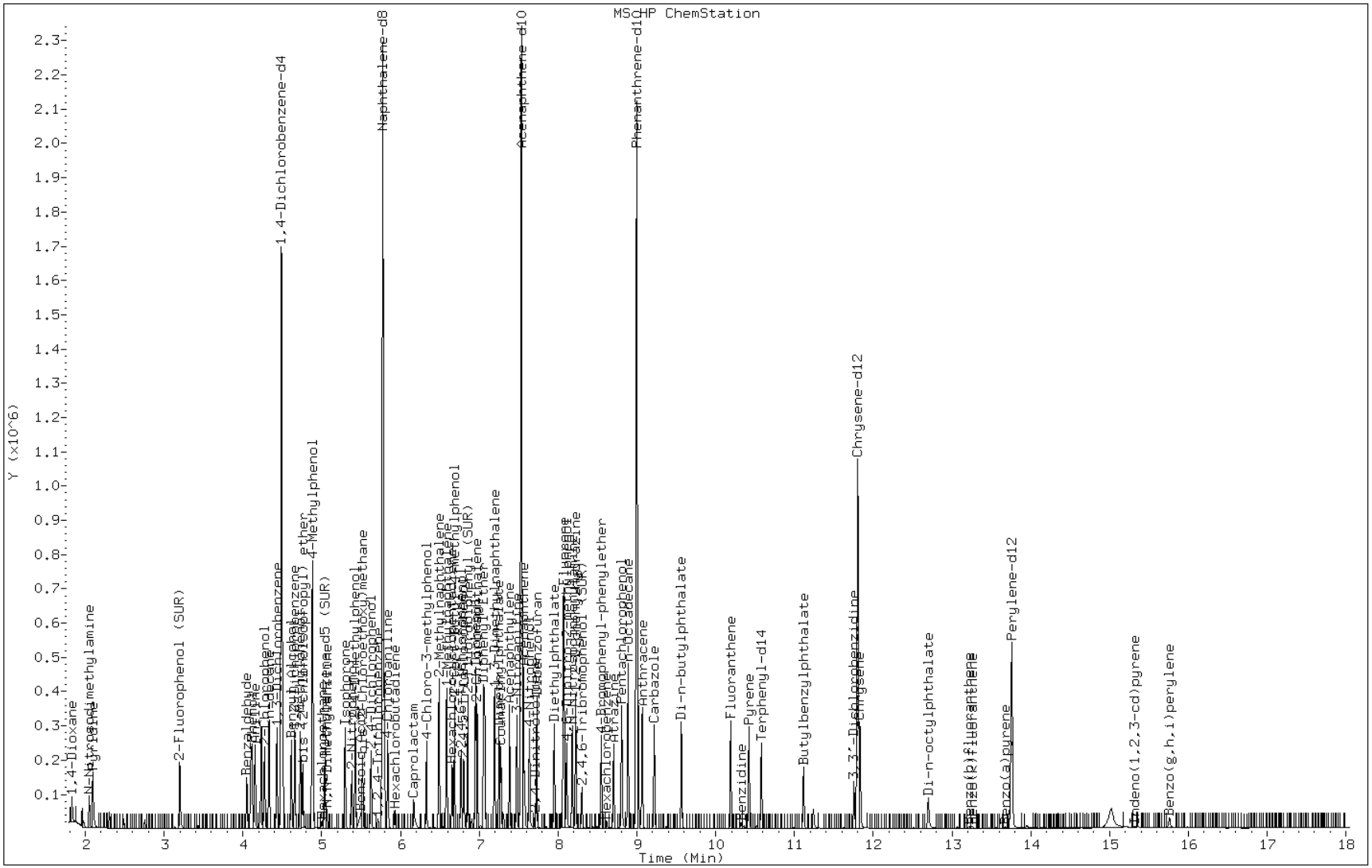
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z3795.d

Date: 14-SEP-2009 10:44

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154121 Operator: BNAMS 4



# Manual Integration Report

Data File: z3795.d
Inj. Date and Time: 14-SEP-2009 10:44
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/16/2009

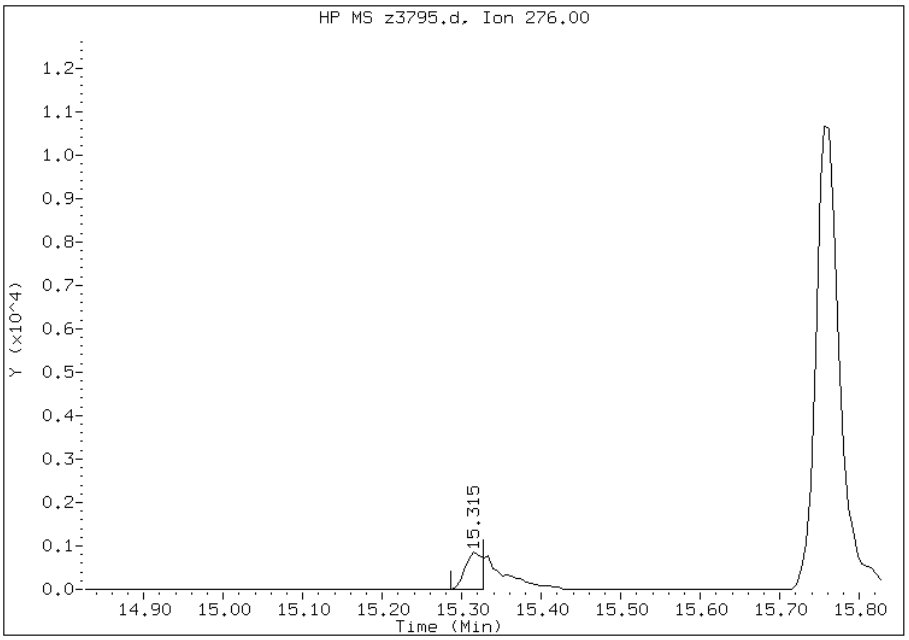
## Processing Integration Results

RT: 15.32

Response: 1323

Amount: 0

Conc: 0



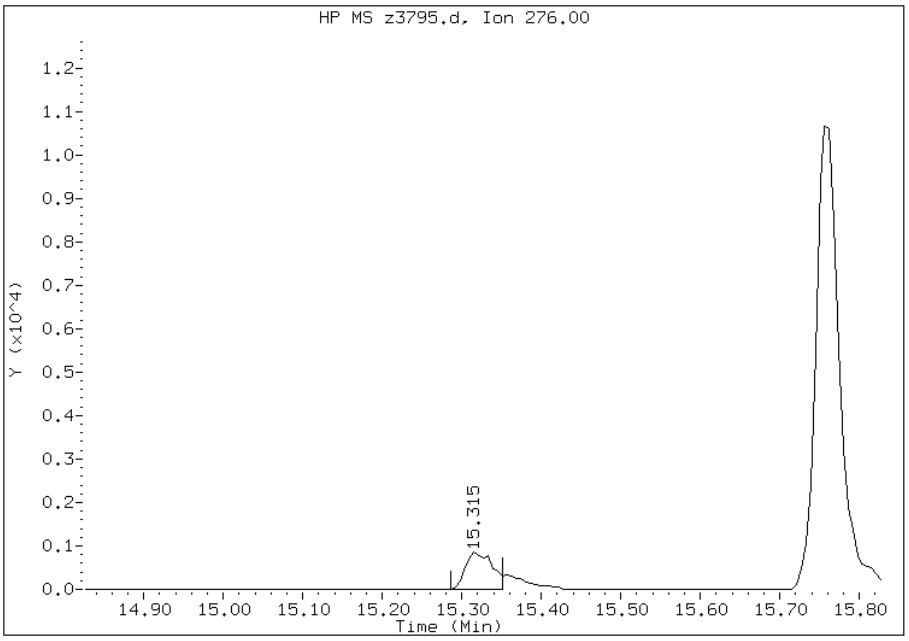

## Manual Integration Results

RT: 15.32

Response: 2004

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z3795.d
Inj. Date and Time: 14-SEP-2009 10:44
Instrument ID: BNAMS11.i
Client ID:
Compound:  67 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 09/16/2009

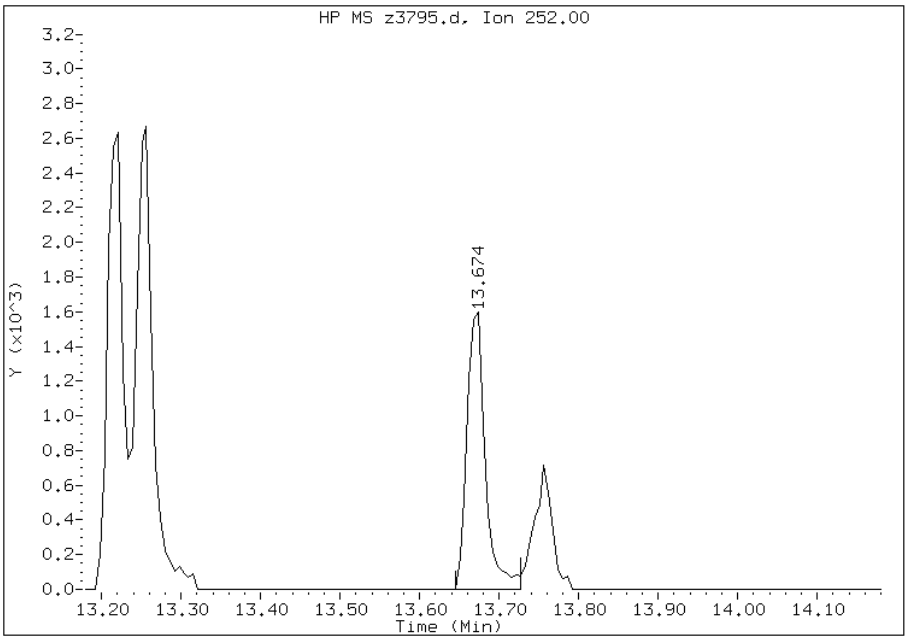
Processing Integration Results

RT: 13.67

Response: 2549

Amount: 0

Conc: 0



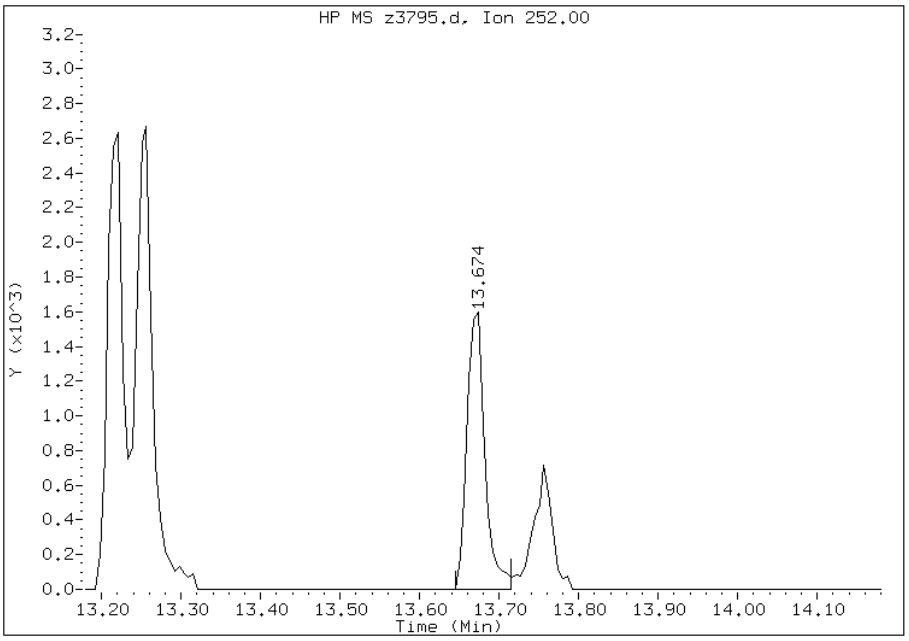

Manual Integration Results

RT: 13.67

Response: 2492

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3795.d
Inj. Date and Time: 14-SEP-2009 10:44
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/16/2009

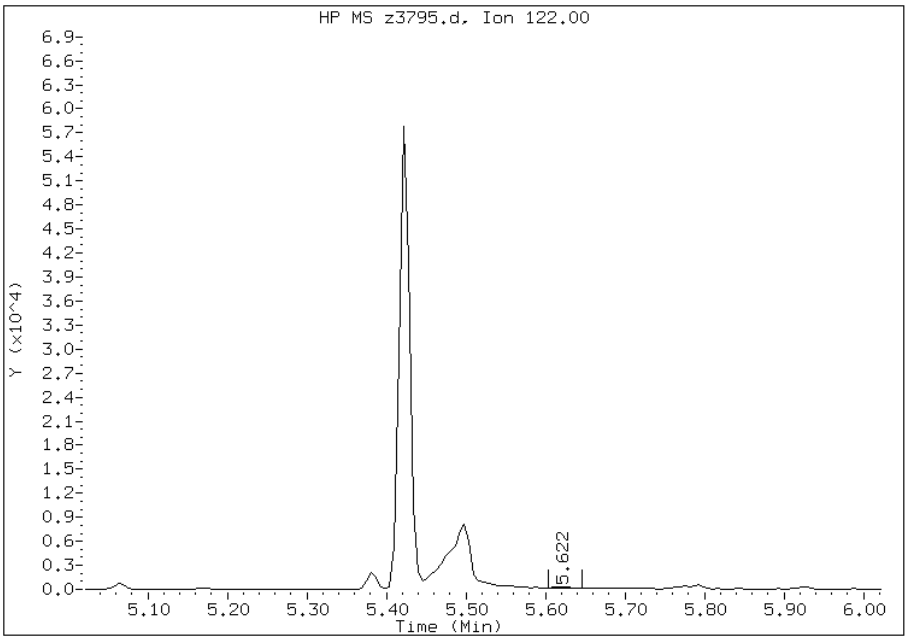
## Processing Integration Results

RT: 5.62

Response: 208

Amount: 0

Conc: 0



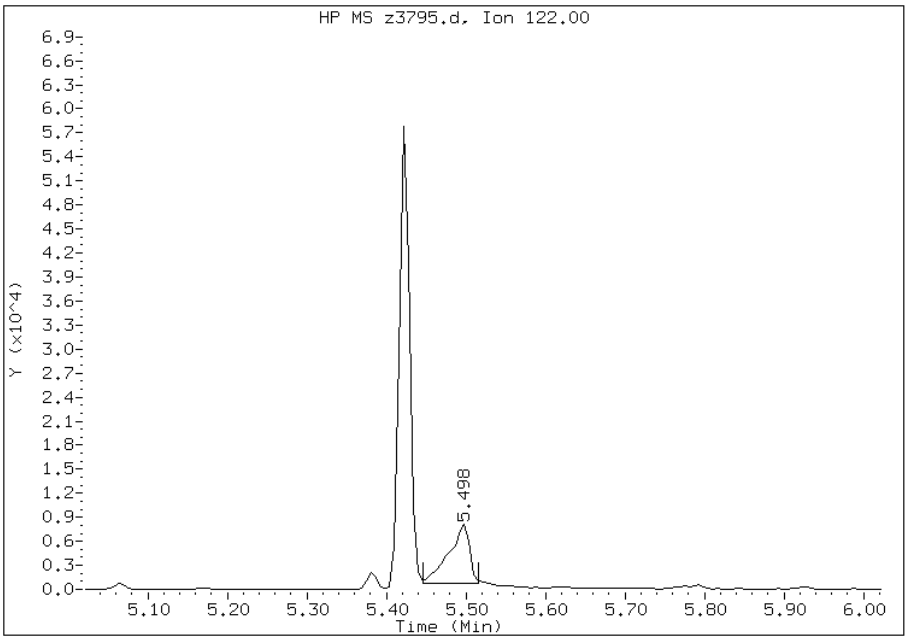

## Manual Integration Results

RT: 5.50

Response: 13548

Amount: 5

Conc: 5




Manually Integrated By: rusin
Manual Integration Reason: Peak Tailing or Fronting

# Manual Integration Report

Data File: z3795.d
Inj. Date and Time: 14-SEP-2009 10:44
Instrument ID: BNAMS11.i
Client ID:
Compound:  69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 09/16/2009

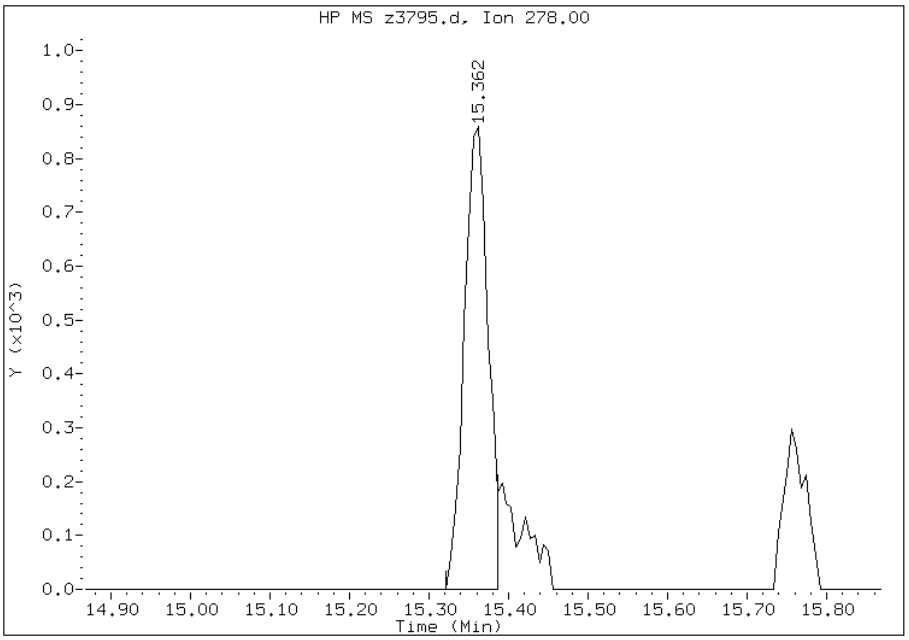
## Processing Integration Results

RT: 15.36

Response: 1784

Amount: 0

Conc: 0



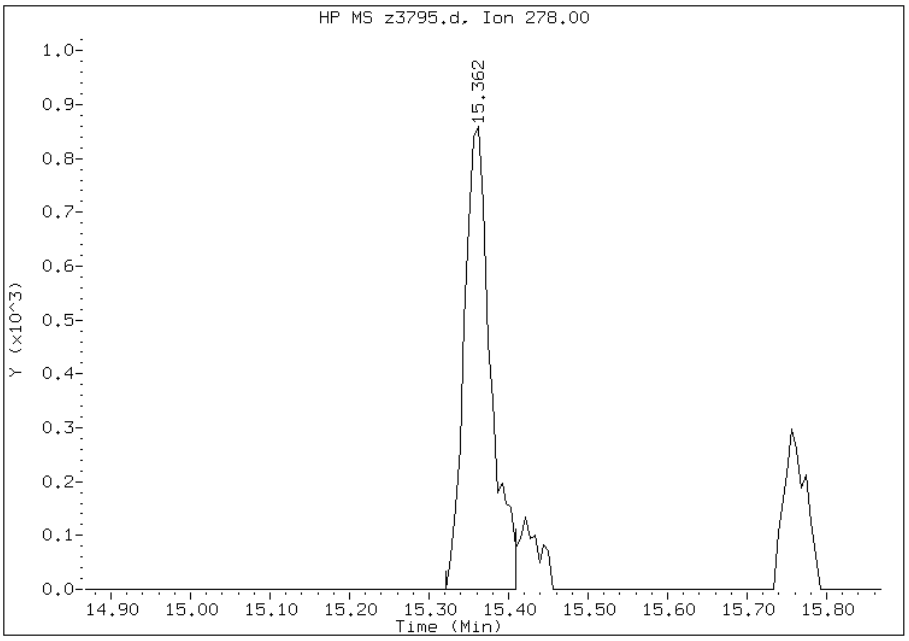

## Manual Integration Results

RT: 15.36

Response: 1992

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3795.d
Inj. Date and Time: 14-SEP-2009 10:44
Instrument ID: BNAMS11.i
Client ID:
Compound:  66 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 09/16/2009

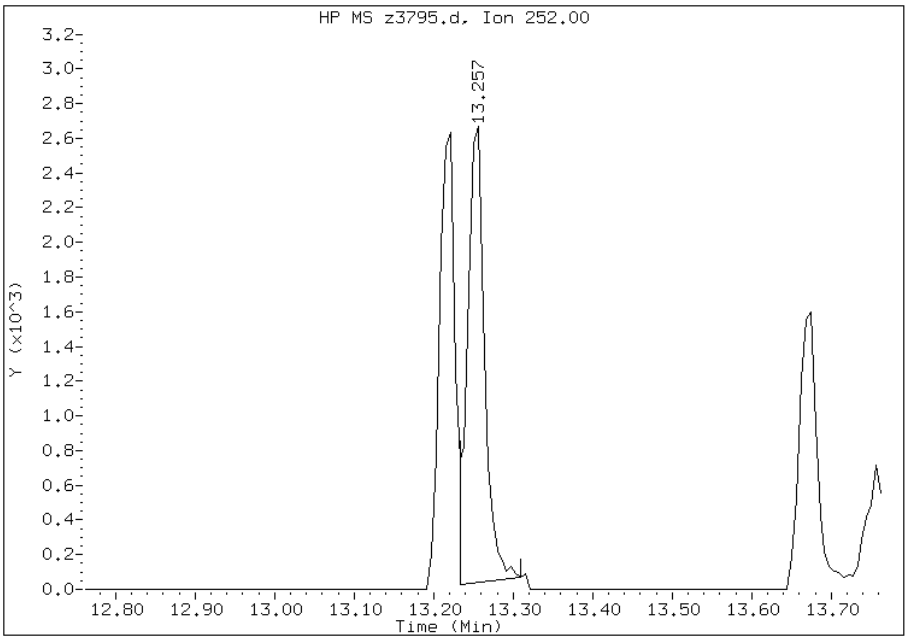
## Processing Integration Results

RT: 13.26

Response: 4007

Amount: 0

Conc: 0



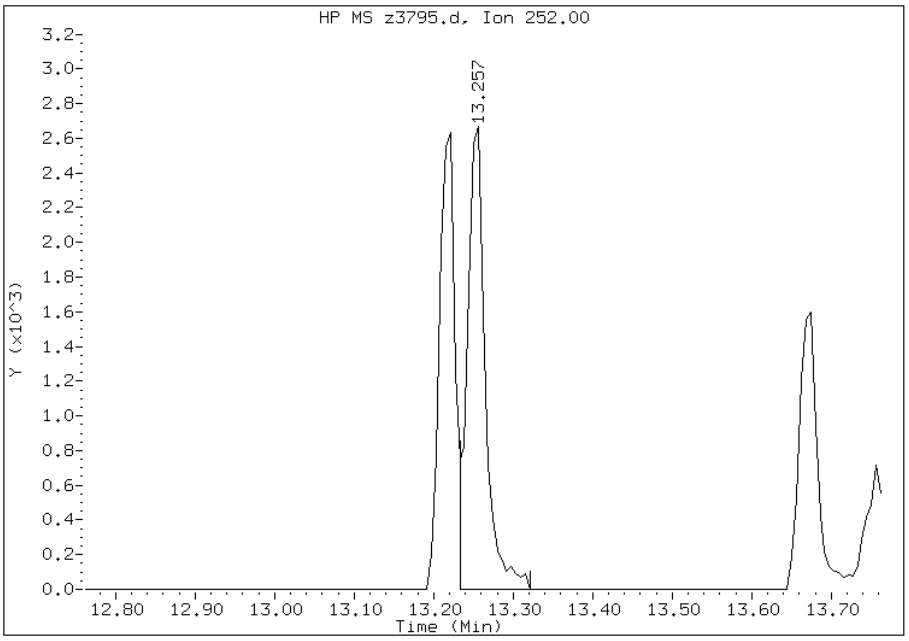

## Manual Integration Results

RT: 13.26

Response: 4279

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Baseline Event

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3796.d
Report Date: 14-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3796.d
Lab Smp Id: IC-154123
Inj Date : 14-SEP-2009 11:09
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154123
Misc Info : 80ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:28 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.846 | 1.846 | (0.410) | 288647 | 80.0000 | 75 |
| | 19 N-Nitrosodimethylamine | 74 | 2.087 | 2.087 | (0.464) | 432532 | 80.0000 | 76 |
| | 71 Pyridine | 79 | 2.116 | 2.116 | (0.470) | 730741 | 80.0000 | 75(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.222 | 3.222 | (0.716) | 655799 | 80.0000 | 72 |
| | 110 Benzaldehyde | 77 | 4.057 | 4.057 | (0.902) | 265694 | 80.0000 | 58 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.152 | 4.152 | (0.923) | 756640 | 80.0000 | 71 |
| | 1 Phenol | 94 | 4.169 | 4.169 | (0.927) | 808208 | 80.0000 | 71 |
| | 73 Aniline | 93 | 4.181 | 4.181 | (0.929) | 969115 | 80.0000 | 66 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.246 | 4.246 | (0.944) | 753404 | 80.0000 | 72 |
| | 2 2-Chlorophenol | 128 | 4.304 | 4.304 | (0.957) | 683620 | 80.0000 | 72 |
| | 113 n-decane | 43 | 4.346 | 4.346 | (0.966) | 547531 | 80.0000 | 77 |
| | 21 1,3-Dichlorobenzene | 146 | 4.452 | 4.452 | (0.990) | 794357 | 80.0000 | 73 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.499 | 4.499 | (1.000) | 248484 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.522 | 4.522 | (1.005) | 782761 | 80.0000 | 73 |
| | 74 Benzyl Alcohol | 108 | 4.652 | 4.652 | (1.034) | 453662 | 80.0000 | 73 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3796.d
Report Date: 14-Sep-2009 13:28

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | ========== | ==== | == | ====== | ====== | ======== | ======= | ======= |
| 23 | 1,2-Dichlorobenzene | 146 | 4.675 | 4.675 | (1.039) | 729353 | 80.0000 | 71 |
| 3 | 2-Methylphenol | 108 | 4.757 | 4.757 | (1.058) | 590987 | 80.0000 | 72 |
| 24 | bis (2-chloroisopropyl) ether | 45 | 4.775 | 4.775 | (1.061) | 712697 | 80.0000 | 74 |
| 104 | Acetophenone | 105 | 4.922 | 4.922 | (1.094) | 761988 | 80.0000 | 79 |
| 4 | 4-Methylphenol | 108 | 4.928 | 4.928 | (1.095) | 577473 | 80.0000 | 79(H) |
| 124 | 3 & 4 methylphenol | 108 | 4.928 | 4.928 | (1.095) | 577473 | 80.0000 | 79 |
| 25 | N-Nitroso-di-n-propylamine | 70 | 4.951 | 4.951 | (1.101) | 433945 | 80.0000 | 80(MH) |
| 26 | Hexachloroethane | 117 | 5.010 | 5.010 | (1.114) | 299287 | 80.0000 | 72 |
| $ 76 | Nitrobenzene-d5 (SUR) | 82 | 5.069 | 5.069 | (0.877) | 692493 | 80.0000 | 74 |
| 27 | Nitrobenzene | 77 | 5.093 | 5.093 | (0.881) | 854316 | 80.0000 | 79 |
| 107 | N,N-Dimethylaniline | 120 | 5.093 | 5.093 | (1.132) | 942808 | 80.0000 | 78 |
| 28 | Isophorone | 82 | 5.334 | 5.334 | (0.923) | 1261418 | 80.0000 | 73 |
| 5 | 2-Nitrophenol | 139 | 5.399 | 5.399 | (0.934) | 343353 | 80.0000 | 76 |
| 6 | 2,4-Dimethylphenol | 122 | 5.451 | 5.451 | (0.943) | 534578 | 80.0000 | 70 |
| 29 | bis(2-Chloroethoxy)methane | 93 | 5.540 | 5.540 | (0.958) | 721581 | 80.0000 | 72 |
| 15 | Benzoic Acid | 122 | 5.628 | 5.628 | (0.974) | 192222 | 80.0000 | 76(M) |
| 7 | 2,4-Dichlorophenol | 162 | 5.646 | 5.646 | (0.977) | 495956 | 80.0000 | 73 |
| 30 | 1,2,4-Trichlorobenzene | 180 | 5.728 | 5.728 | (0.991) | 579740 | 80.0000 | 74 |
| * 80 | Naphthalene-d8 | 136 | 5.781 | 5.781 | (1.000) | 904051 | 40.0000 | |
| 31 | Naphthalene | 128 | 5.810 | 5.810 | (1.005) | 1850150 | 80.0000 | 72 |
| 32 | 4-Chloroaniline | 127 | 5.857 | 5.857 | (1.013) | 672010 | 80.0000 | 78 |
| 33 | Hexachlorobutadiene | 225 | 5.934 | 5.934 | (1.026) | 348417 | 80.0000 | 76 |
| 111 | Caprolactam | 113 | 6.287 | 6.287 | (1.087) | 148374 | 80.0000 | 66(MH) |
| 8 | 4-Chloro-3-methylphenol | 107 | 6.357 | 6.357 | (1.100) | 431809 | 80.0000 | 63 |
| 34 | 2-Methylnaphthalene | 142 | 6.498 | 6.498 | (1.124) | 1115018 | 80.0000 | 70 |
| 120 | 1-Methylnaphthalene | 142 | 6.598 | 6.598 | (1.141) | 1070103 | 80.0000 | 69 |
| 35 | Hexachlorocyclopentadiene | 237 | 6.663 | 6.663 | (0.884) | 373507 | 80.0000 | 86 |
| 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.704 | 6.704 | (1.160) | 723176 | 80.0000 | 68 |
| 9 | 2,4,6-Trichlorophenol | 196 | 6.787 | 6.787 | (0.900) | 325642 | 80.0000 | 80(H) |
| 10 | 2,4,5-Trichlorophenol | 196 | 6.828 | 6.828 | (0.906) | 279139 | 80.0000 | 73 |
| $ 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.869 | 6.869 | (0.911) | 1125454 | 80.0000 | 75 |
| 102 | Diphenyl | 154 | 6.969 | 6.969 | (0.924) | 1238895 | 80.0000 | 73 |
| 36 | 2-Chloronaphthalene | 162 | 6.987 | 6.987 | (0.927) | 967968 | 80.0000 | 74 |
| 103 | Diphenyl Ether | 170 | 7.069 | 7.069 | (0.938) | 702647 | 80.0000 | 75 |
| 37 | 2-Nitroaniline | 65 | 7.093 | 7.093 | (0.941) | 356094 | 80.0000 | 74 |
| 123 | 1,3-Dimethylnaphthalene | 156 | 7.204 | 7.204 | (0.956) | 796762 | 80.0000 | 74 |
| 38 | Dimethylphthalate | 163 | 7.275 | 7.275 | (0.965) | 928101 | 80.0000 | 70(H) |
| 114 | Coumarin | 146 | 7.298 | 7.298 | (0.968) | 303112 | 80.0000 | 70 |
| 40 | 2,6-Dinitrotoluene | 165 | 7.334 | 7.334 | (0.973) | 211594 | 80.0000 | 73(H) |
| 39 | Acenaphthylene | 152 | 7.398 | 7.398 | (0.981) | 1522015 | 80.0000 | 73 |
| 41 | 3-Nitroaniline | 138 | 7.498 | 7.498 | (0.995) | 214213 | 80.0000 | 71(H) |
| * 82 | Acenaphthene-d10 | 164 | 7.540 | 7.540 | (1.000) | 415684 | 40.0000 | |
| 42 | Acenaphthene | 154 | 7.575 | 7.575 | (1.005) | 863470 | 80.0000 | 70 |
| 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.557 | 7.557 | (1.002) | 826690 | 80.0000 | 76 |
| 11 | 2,4-Dinitrophenol | 184 | 7.598 | 7.598 | (1.008) | 87645 | 80.0000 | 88 |
| 12 | 4-Nitrophenol | 65 | 7.657 | 7.657 | (1.016) | 149547 | 80.0000 | 72 |
| 44 | 2,4-Dinitrotoluene | 165 | 7.728 | 7.728 | (1.025) | 252895 | 80.0000 | 70 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3796.d
Report Date: 14-Sep-2009 13:28

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 | Dibenzofuran | 168 | 7.745 | 7.745 | (1.027) | 1254722 | 80.0000 | 72 |
| | 45 | Diethylphthalate | 149 | 7.969 | 7.969 | (1.057) | 930487 | 80.0000 | 72 |
| | 47 | Fluorene | 166 | 8.081 | 8.081 | (1.072) | 938711 | 80.0000 | 72 |
| | 46 | 4-Chlorophenyl-phenylether | 204 | 8.075 | 8.075 | (1.071) | 465719 | 80.0000 | 74 |
| | 48 | 4-Nitroaniline | 138 | 8.104 | 8.104 | (1.075) | 181089 | 80.0000 | 78 |
| | 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.134 | 8.134 | (0.903) | 116337 | 80.0000 | 88 |
| | 49 | N-Nitrosodiphenylamine | 169 | 8.198 | 8.198 | (0.910) | 592555 | 80.0000 | 73 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 8.234 | 8.234 | (0.914) | 1066923 | 80.0000 | 71 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.316 | 8.316 | (1.103) | 103629 | 80.0000 | 73 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 8.557 | 8.557 | (0.950) | 256572 | 80.0000 | 78 |
| | 51 | Hexachlorobenzene | 284 | 8.634 | 8.634 | (0.959) | 236171 | 80.0000 | 77 |
| | 112 | Atrazine | 200 | 8.722 | 8.722 | (0.969) | 170825 | 80.0000 | 81 |
| | 14 | Pentachlorophenol | 266 | 8.816 | 8.816 | (0.979) | 125832 | 80.0000 | 82 |
| | 115 | n-Octadecane | 57 | 8.892 | 8.892 | (0.988) | 601970 | 80.0000 | 72 |
| * | 83 | Phenanthrene-d10 | 188 | 9.004 | 9.004 | (1.000) | 493635 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 9.028 | 9.028 | (1.003) | 1004064 | 80.0000 | 69 |
| | 53 | Anthracene | 178 | 9.081 | 9.081 | (1.008) | 1078009 | 80.0000 | 73 |
| | 54 | Carbazole | 167 | 9.234 | 9.234 | (1.025) | 852583 | 80.0000 | 71 |
| | 55 | Di-n-butylphthalate | 149 | 9.569 | 9.569 | (1.063) | 1165563 | 80.0000 | 74 |
| | 56 | Fluoranthene | 202 | 10.204 | 10.204 | (1.133) | 893525 | 80.0000 | 73 |
| | 58 | Benzidine | 184 | 10.322 | 10.322 | (1.146) | 78331 | 80.0000 | 46 |
| | 57 | Pyrene | 202 | 10.433 | 10.433 | (0.883) | 853880 | 80.0000 | 77 |
| $ | 78 | Terphenyl-d14 | 244 | 10.586 | 10.586 | (0.896) | 534034 | 80.0000 | 77 |
| | 59 | Butylbenzylphthalate | 149 | 11.122 | 11.122 | (0.942) | 339642 | 80.0000 | 80 |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 11.763 | 11.763 | (0.996) | 117388 | 80.0000 | 71 |
| | 61 | Benzo(a)anthracene | 228 | 11.792 | 11.792 | (0.998) | 521930 | 80.0000 | 76 |
| * | 81 | Chrysene-d12 | 240 | 11.810 | 11.810 | (1.000) | 234781 | 40.0000 | |
| | 62 | Chrysene | 228 | 11.845 | 11.845 | (1.003) | 453995 | 80.0000 | 76 |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.828 | 11.828 | (1.001) | 433739 | 80.0000 | 81 |
| | 64 | Di-n-octylphthalate | 149 | 12.704 | 12.704 | (0.923) | 577745 | 80.0000 | 84 |
| | 65 | Benzo(b)fluoranthene | 252 | 13.233 | 13.233 | (0.962) | 329988 | 80.0000 | 80 |
| | 66 | Benzo(k)fluoranthene | 252 | 13.269 | 13.269 | (0.964) | 364862 | 80.0000 | 81 |
| | 67 | Benzo(a)pyrene | 252 | 13.680 | 13.680 | (0.994) | 279318 | 80.0000 | 83 |
| * | 84 | Perylene-d12 | 264 | 13.757 | 13.757 | (1.000) | 137977 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.339 | 15.339 | (1.115) | 225514 | 80.0000 | 87 |
| | 69 | Dibenz(a,h)anthracene | 278 | 15.374 | 15.374 | (1.118) | 230494 | 80.0000 | 88 |
| | 70 | Benzo(g,h,i)perylene | 276 | 15.780 | 15.780 | (1.147) | 218707 | 80.0000 | 84 |

QC Flag Legend

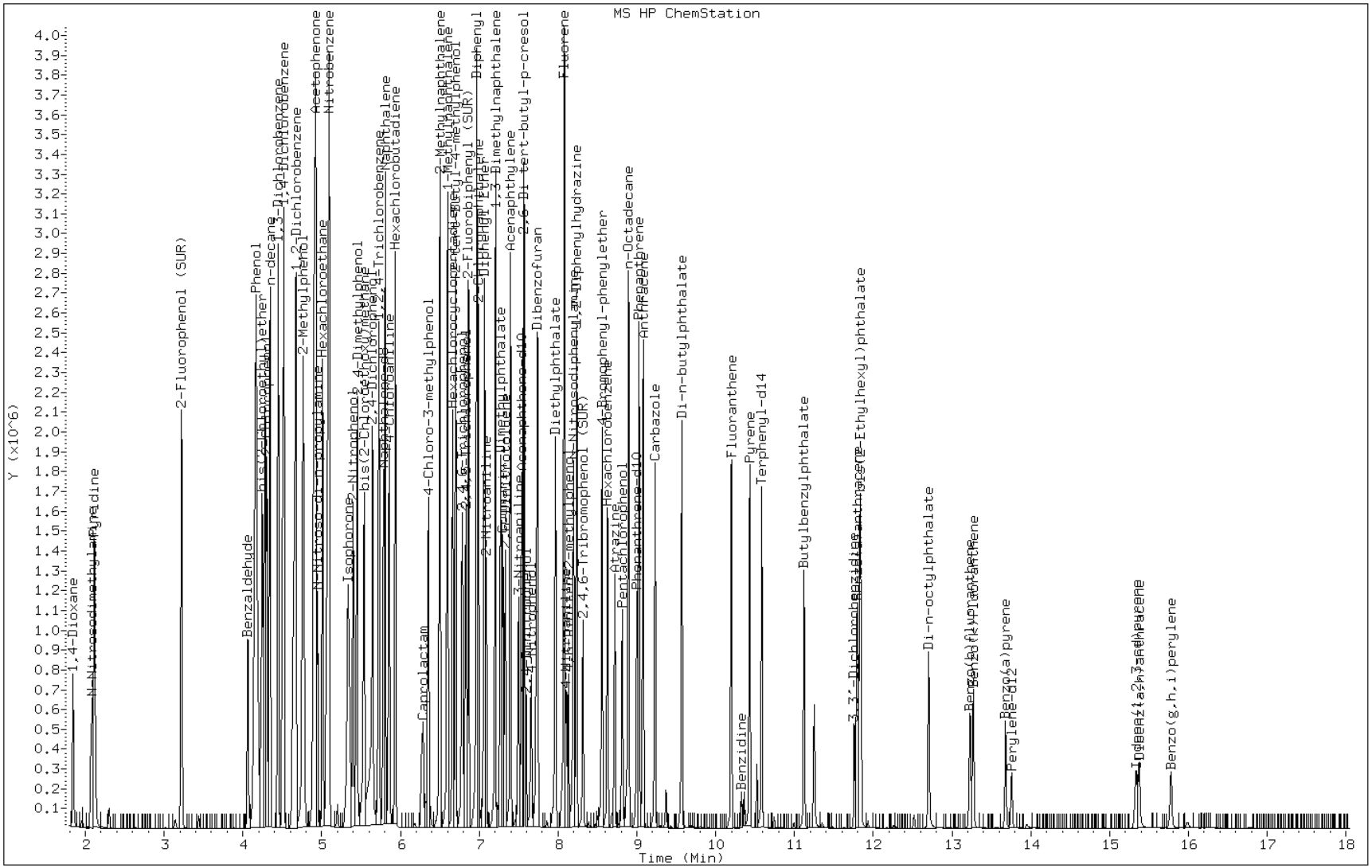
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z3796.d

Date: 14-SEP-2009 11:09

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154123 Operator: BNAMS 4



# Manual Integration Report

Data File: z3796.d
Inj. Date and Time: 14-SEP-2009 11:09
Instrument ID: BNAMS11.i
Client ID:
Compound: 111 Caprolactam
CAS #: 105-60-2
Report Date: 09/16/2009

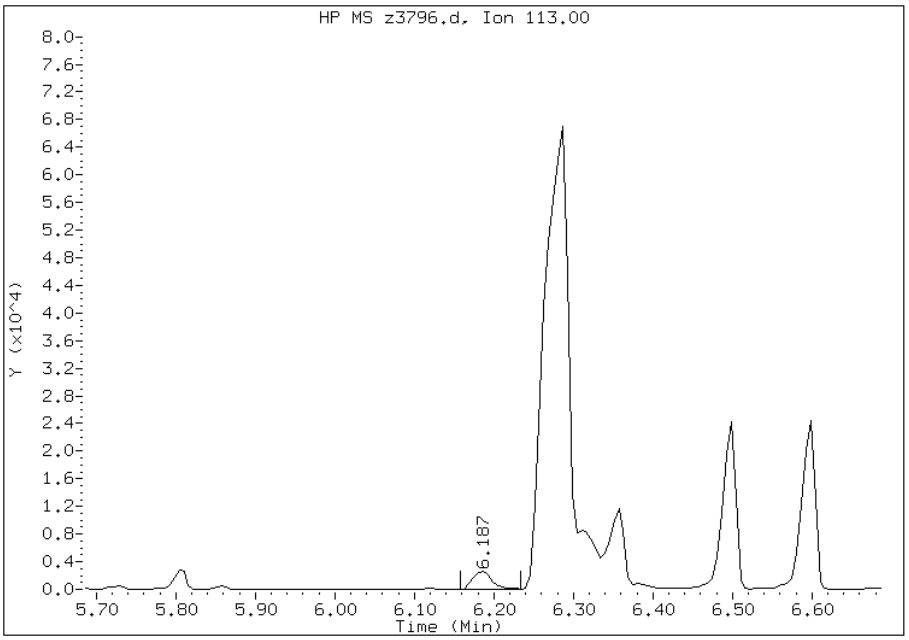
## Processing Integration Results

RT: 6.19

Response: 4327

Amount: 2

Conc: 2



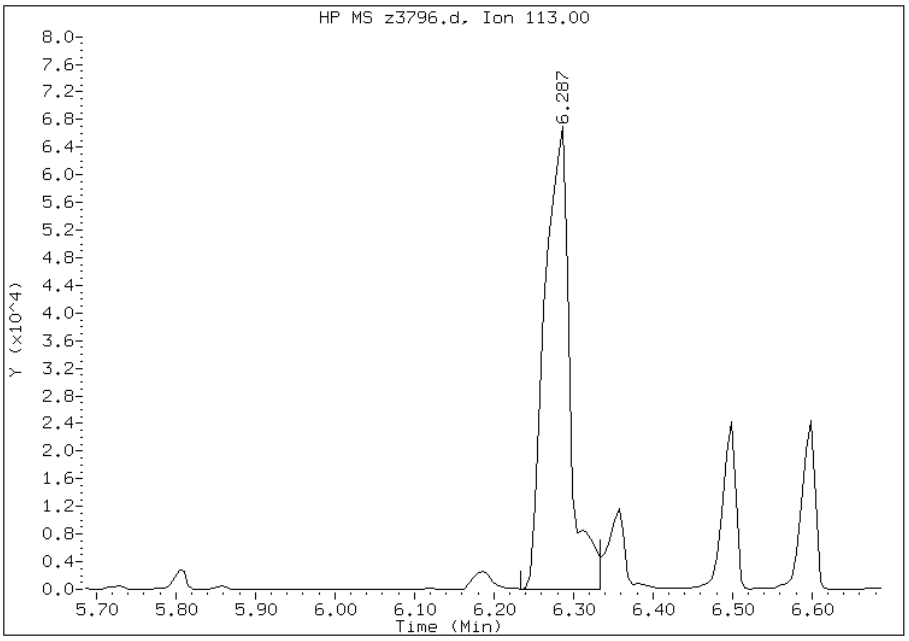

## Manual Integration Results

RT: 6.29

Response: 148374

Amount: 66

Conc: 66




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3796.d
Inj. Date and Time: 14-SEP-2009 11:09
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/16/2009

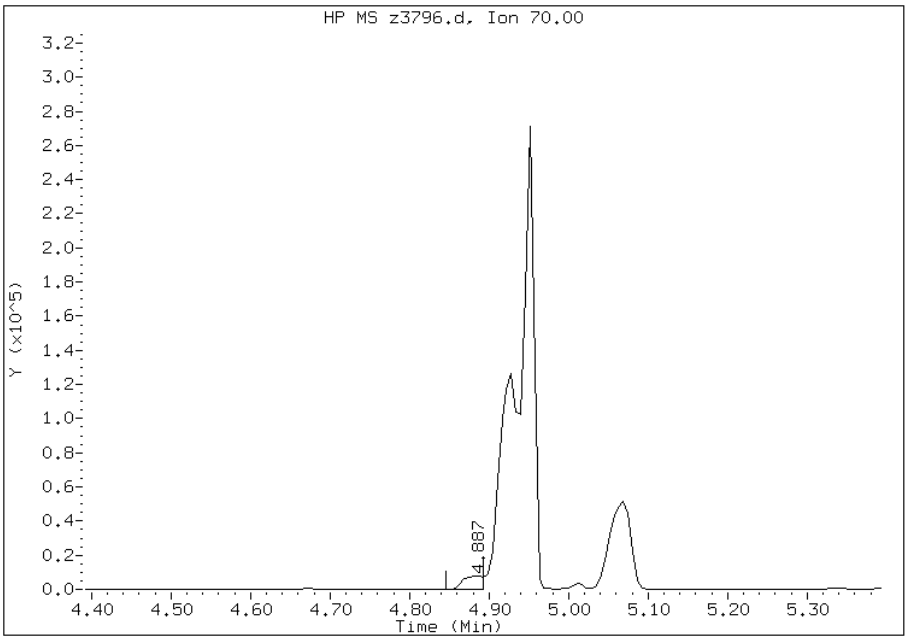
## Processing Integration Results

RT: 4.89

Response: 14159

Amount: 3

Conc: 3



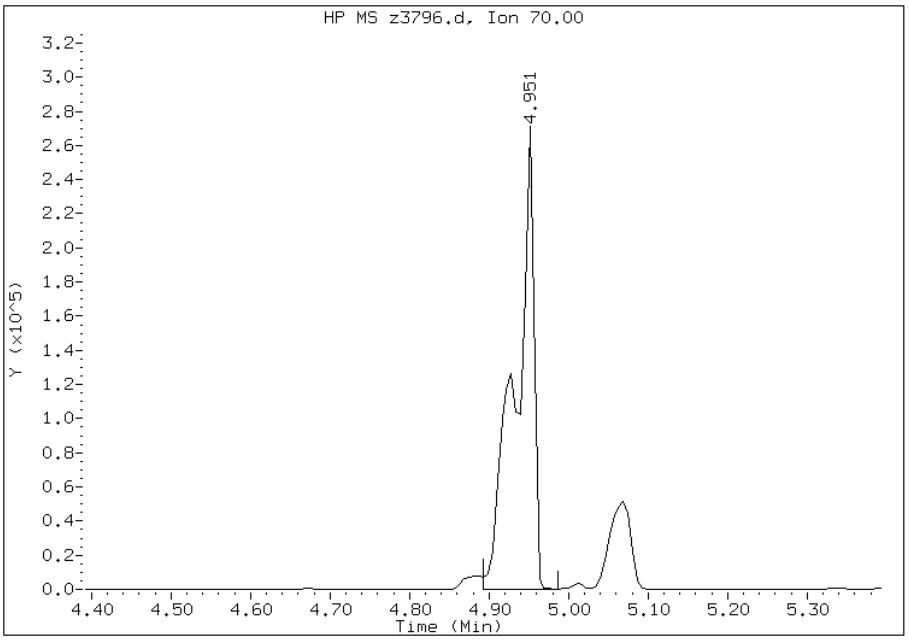

## Manual Integration Results

RT: 4.95

Response: 433945

Amount: 80

Conc: 80




Manually Integrated By: rusin
Manual Integration Reason: Split Peak

# Manual Integration Report

Data File: z3796.d
Inj. Date and Time: 14-SEP-2009 11:09
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/16/2009

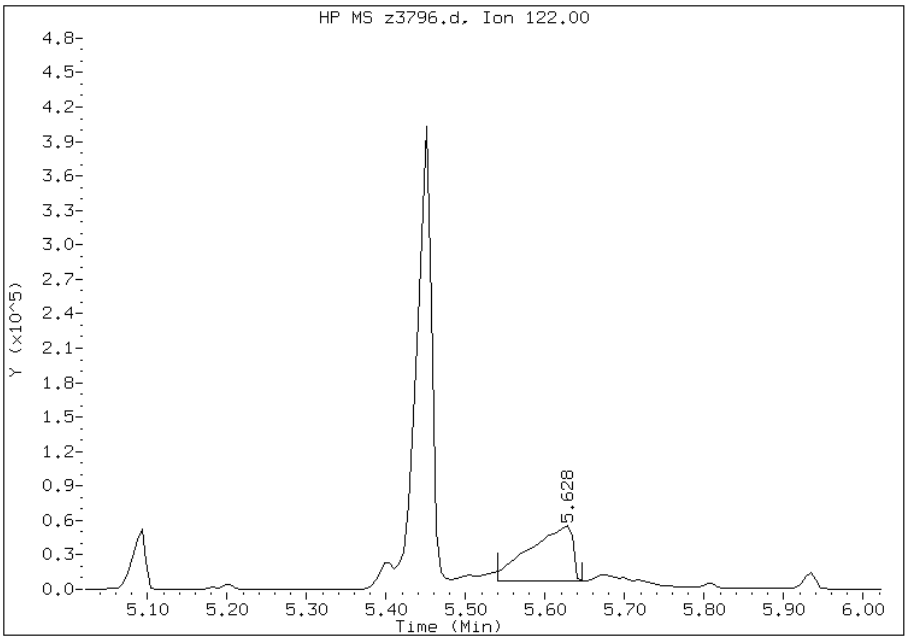
## Processing Integration Results

RT: 5.63

Response: 177612

Amount: 94

Conc: 94



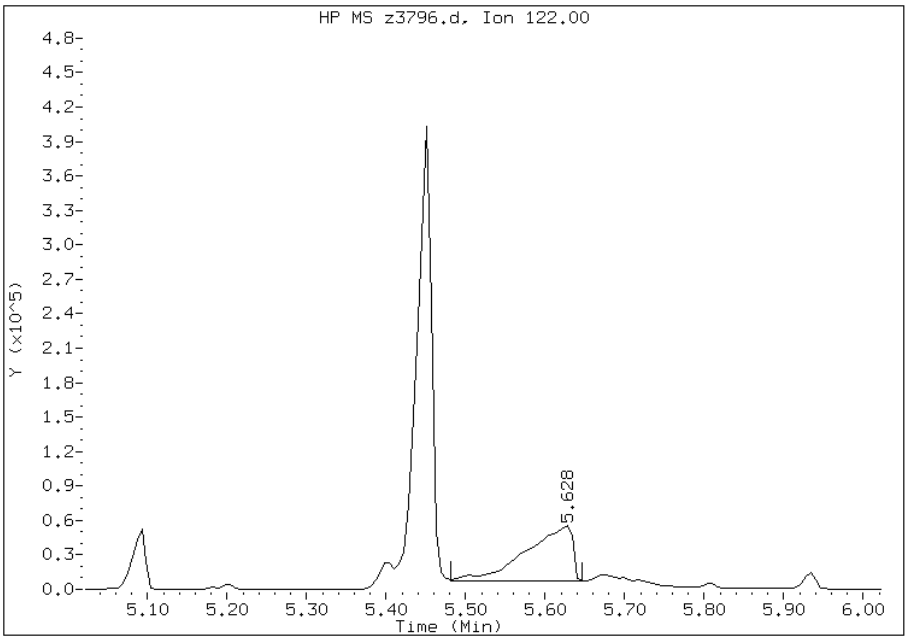

## Manual Integration Results

RT: 5.63

Response: 192222

Amount: 77

Conc: 77




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3797.d
Report Date: 14-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3797.d
Lab Smp Id: IC-154122
Inj Date : 14-SEP-2009 11:33
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154122
Misc Info : 20ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:28 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.816 | 1.816 | (0.404) | 74833 | 20.0000 | 20 |
| | 19 N-Nitrosodimethylamine | 74 | 2.046 | 2.046 | (0.455) | 110531 | 20.0000 | 20(H) |
| | 71 Pyridine | 79 | 2.075 | 2.075 | (0.462) | 189542 | 20.0000 | 20(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.199 | 3.199 | (0.712) | 177692 | 20.0000 | 20 |
| | 110 Benzaldehyde | 77 | 4.046 | 4.046 | (0.900) | 119033 | 20.0000 | 26 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.116 | 4.116 | (0.916) | 216954 | 20.0000 | 20(H) |
| | 1 Phenol | 94 | 4.128 | 4.128 | (0.919) | 231359 | 20.0000 | 21(H) |
| | 73 Aniline | 93 | 4.157 | 4.157 | (0.925) | 293959 | 20.0000 | 20 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.222 | 4.222 | (0.940) | 189299 | 20.0000 | 18 |
| | 2 2-Chlorophenol | 128 | 4.281 | 4.281 | (0.953) | 195236 | 20.0000 | 21 |
| | 113 n-decane | 43 | 4.334 | 4.334 | (0.965) | 180502 | 20.0000 | 21 |
| | 21 1,3-Dichlorobenzene | 146 | 4.434 | 4.434 | (0.987) | 219913 | 20.0000 | 20 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.493 | 4.493 | (1.000) | 246188 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.510 | 4.510 | (1.004) | 214762 | 20.0000 | 20 |
| | 74 Benzyl Alcohol | 108 | 4.622 | 4.622 | (1.029) | 125767 | 20.0000 | 20(H) |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3797.d
Report Date: 14-Sep-2009 13:28

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| 23 | 1,2-Dichlorobenzene | 146 | 4.663 | 4.663 | (1.038) | 208690 | 20.0000 | 20 |
| 3 | 2-Methylphenol | 108 | 4.734 | 4.734 | (1.054) | 172553 | 20.0000 | 21 |
| 24 | bis (2-chloroisopropyl) ether | 45 | 4.763 | 4.763 | (1.060) | 250734 | 20.0000 | 21 |
| 104 | Acetophenone | 105 | 4.898 | 4.898 | (1.090) | 241626 | 20.0000 | 25 |
| 4 | 4-Methylphenol | 108 | 4.893 | 4.893 | (1.089) | 174562 | 20.0000 | 24 |
| 124 | 3 & 4 methylphenol | 108 | 4.893 | 4.893 | (1.089) | 174562 | 20.0000 | 24 |
| 25 | N-Nitroso-di-n-propylamine | 70 | 4.898 | 4.898 | (1.090) | 129461 | 20.0000 | 24 |
| 26 | Hexachloroethane | 117 | 5.004 | 5.004 | (1.114) | 85115 | 20.0000 | 21 |
| $ 76 | Nitrobenzene-d5 (SUR) | 82 | 5.045 | 5.045 | (0.874) | 211930 | 20.0000 | 22 |
| 27 | Nitrobenzene | 77 | 5.069 | 5.069 | (0.878) | 275820 | 20.0000 | 20 |
| 107 | N,N-Dimethylaniline | 120 | 5.069 | 5.069 | (1.128) | 289211 | 20.0000 | 20 |
| 28 | Isophorone | 82 | 5.304 | 5.304 | (0.919) | 366069 | 20.0000 | 20 |
| 5 | 2-Nitrophenol | 139 | 5.387 | 5.387 | (0.933) | 98482 | 20.0000 | 21 |
| 6 | 2,4-Dimethylphenol | 122 | 5.428 | 5.428 | (0.940) | 165284 | 20.0000 | 21 |
| 29 | bis(2-Chloroethoxy)methane | 93 | 5.522 | 5.522 | (0.956) | 215285 | 20.0000 | 20 |
| 15 | Benzoic Acid | 122 | 5.551 | 5.551 | (0.961) | 56924 | 20.0000 | 22(H) |
| 7 | 2,4-Dichlorophenol | 162 | 5.628 | 5.628 | (0.975) | 148045 | 20.0000 | 21 |
| 30 | 1,2,4-Trichlorobenzene | 180 | 5.716 | 5.716 | (0.990) | 164246 | 20.0000 | 20 |
| * 80 | Naphthalene-d8 | 136 | 5.775 | 5.775 | (1.000) | 943218 | 40.0000 | |
| 31 | Naphthalene | 128 | 5.798 | 5.798 | (1.004) | 550564 | 20.0000 | 20 |
| 32 | 4-Chloroaniline | 127 | 5.845 | 5.845 | (1.012) | 223821 | 20.0000 | 21 |
| 33 | Hexachlorobutadiene | 225 | 5.928 | 5.928 | (1.026) | 95165 | 20.0000 | 20 |
| 111 | Caprolactam | 113 | 6.210 | 6.210 | (1.075) | 48717 | 20.0000 | 21 |
| 8 | 4-Chloro-3-methylphenol | 107 | 6.339 | 6.339 | (1.098) | 154441 | 20.0000 | 22 |
| 34 | 2-Methylnaphthalene | 142 | 6.487 | 6.487 | (1.123) | 344925 | 20.0000 | 21 |
| 120 | 1-Methylnaphthalene | 142 | 6.587 | 6.587 | (1.141) | 339055 | 20.0000 | 21 |
| 35 | Hexachlorocyclopentadiene | 237 | 6.657 | 6.657 | (0.884) | 97841 | 20.0000 | 19 |
| 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.687 | 6.687 | (1.158) | 229756 | 20.0000 | 21 |
| 9 | 2,4,6-Trichlorophenol | 196 | 6.775 | 6.775 | (0.899) | 89900 | 20.0000 | 19(H) |
| 10 | 2,4,5-Trichlorophenol | 196 | 6.810 | 6.810 | (0.904) | 96999 | 20.0000 | 22 |
| $ 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.857 | 6.857 | (0.910) | 361448 | 20.0000 | 21 |
| 102 | Diphenyl | 154 | 6.957 | 6.957 | (0.923) | 401499 | 20.0000 | 20 |
| 36 | 2-Chloronaphthalene | 162 | 6.975 | 6.975 | (0.926) | 305743 | 20.0000 | 20 |
| 103 | Diphenyl Ether | 170 | 7.063 | 7.063 | (0.938) | 218665 | 20.0000 | 20 |
| 37 | 2-Nitroaniline | 65 | 7.075 | 7.075 | (0.939) | 117706 | 20.0000 | 21 |
| 123 | 1,3-Dimethylnaphthalene | 156 | 7.192 | 7.192 | (0.955) | 256007 | 20.0000 | 20 |
| 38 | Dimethylphthalate | 163 | 7.257 | 7.257 | (0.963) | 324226 | 20.0000 | 21(H) |
| 114 | Coumarin | 146 | 7.281 | 7.281 | (0.966) | 104658 | 20.0000 | 21 |
| 40 | 2,6-Dinitrotoluene | 165 | 7.316 | 7.316 | (0.971) | 71496 | 20.0000 | 21 |
| 39 | Acenaphthylene | 152 | 7.386 | 7.386 | (0.980) | 502031 | 20.0000 | 20 |
| 41 | 3-Nitroaniline | 138 | 7.481 | 7.481 | (0.993) | 76900 | 20.0000 | 22(H) |
| * 82 | Acenaphthene-d10 | 164 | 7.534 | 7.534 | (1.000) | 486315 | 40.0000 | |
| 42 | Acenaphthene | 154 | 7.563 | 7.563 | (1.004) | 285472 | 20.0000 | 20 |
| 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.551 | 7.551 | (1.002) | 262806 | 20.0000 | 21 |
| 11 | 2,4-Dinitrophenol | 184 | 7.581 | 7.581 | (1.006) | 37452 | 30.0000 | 32 |
| 12 | 4-Nitrophenol | 65 | 7.645 | 7.645 | (1.015) | 78170 | 30.0000 | 32 |
| 44 | 2,4-Dinitrotoluene | 165 | 7.710 | 7.710 | (1.023) | 89508 | 20.0000 | 21 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3797.d
Report Date: 14-Sep-2009 13:28

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 | Dibenzofuran | 168 | 7.734 | 7.734 | (1.027) | 411569 | 20.0000 | 20 |
| | 45 | Diethylphthalate | 149 | 7.957 | 7.957 | (1.056) | 310611 | 20.0000 | 20 |
| | 47 | Fluorene | 166 | 8.069 | 8.069 | (1.071) | 309883 | 20.0000 | 20 |
| | 46 | 4-Chlorophenyl-phenylether | 204 | 8.069 | 8.069 | (1.071) | 147668 | 20.0000 | 20 |
| | 48 | 4-Nitroaniline | 138 | 8.086 | 8.086 | (1.073) | 68888 | 20.0000 | 25 |
| | 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.116 | 8.116 | (0.902) | 53336 | 30.0000 | 32 |
| | 49 | N-Nitrosodiphenylamine | 169 | 8.186 | 8.186 | (0.910) | 207700 | 20.0000 | 20 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 8.228 | 8.228 | (0.914) | 389432 | 20.0000 | 20 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.310 | 8.310 | (1.103) | 32646 | 20.0000 | 20 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 8.551 | 8.551 | (0.950) | 82393 | 20.0000 | 20 |
| | 51 | Hexachlorobenzene | 284 | 8.622 | 8.622 | (0.958) | 76573 | 20.0000 | 20 |
| | 112 | Atrazine | 200 | 8.710 | 8.710 | (0.968) | 67495 | 20.0000 | 18 |
| | 14 | Pentachlorophenol | 266 | 8.810 | 8.810 | (0.979) | 59052 | 30.0000 | 30 |
| | 115 | n-Octadecane | 57 | 8.892 | 8.892 | (0.988) | 221152 | 20.0000 | 21 |
| * | 83 | Phenanthrene-d10 | 188 | 8.998 | 8.998 | (1.000) | 628824 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 9.022 | 9.022 | (1.003) | 375933 | 20.0000 | 20 |
| | 53 | Anthracene | 178 | 9.075 | 9.075 | (1.008) | 388193 | 20.0000 | 21 |
| | 54 | Carbazole | 167 | 9.228 | 9.228 | (1.025) | 317402 | 20.0000 | 21 |
| | 55 | Di-n-butylphthalate | 149 | 9.569 | 9.569 | (1.063) | 411271 | 20.0000 | 20 |
| | 56 | Fluoranthene | 202 | 10.198 | 10.198 | (1.133) | 325734 | 20.0000 | 21 |
| | 58 | Benzidine | 184 | 10.322 | 10.322 | (1.147) | 105110 | 30.0000 | 48 |
| | 57 | Pyrene | 202 | 10.427 | 10.427 | (0.883) | 312197 | 20.0000 | 20 |
| $ | 78 | Terphenyl-d14 | 244 | 10.586 | 10.586 | (0.896) | 200188 | 20.0000 | 20 |
| | 59 | Butylbenzylphthalate | 149 | 11.122 | 11.122 | (0.942) | 120181 | 20.0000 | 20 |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 11.757 | 11.757 | (0.996) | 78825 | 30.0000 | 34 |
| | 61 | Benzo(a)anthracene | 228 | 11.792 | 11.792 | (0.998) | 187992 | 20.0000 | 19 |
| * | 81 | Chrysene-d12 | 240 | 11.810 | 11.810 | (1.000) | 330869 | 40.0000 | |
| | 62 | Chrysene | 228 | 11.839 | 11.839 | (1.002) | 170554 | 20.0000 | 20 |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.827 | 11.827 | (1.001) | 152254 | 20.0000 | 20 |
| | 64 | Di-n-octylphthalate | 149 | 12.698 | 12.698 | (0.923) | 184882 | 20.0000 | 21 |
| | 65 | Benzo(b)fluoranthene | 252 | 13.221 | 13.221 | (0.961) | 110892 | 20.0000 | 21 |
| | 66 | Benzo(k)fluoranthene | 252 | 13.263 | 13.263 | (0.964) | 126190 | 20.0000 | 21 |
| | 67 | Benzo(a)pyrene | 252 | 13.674 | 13.674 | (0.994) | 91784 | 20.0000 | 21 |
| * | 84 | Perylene-d12 | 264 | 13.757 | 13.757 | (1.000) | 179011 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.321 | 15.321 | (1.114) | 65911 | 20.0000 | 20 |
| | 69 | Dibenz(a,h)anthracene | 278 | 15.362 | 15.362 | (1.117) | 68071 | 20.0000 | 20 |
| | 70 | Benzo(g,h,i)perylene | 276 | 15.762 | 15.762 | (1.146) | 64897 | 20.0000 | 19 |

QC Flag Legend

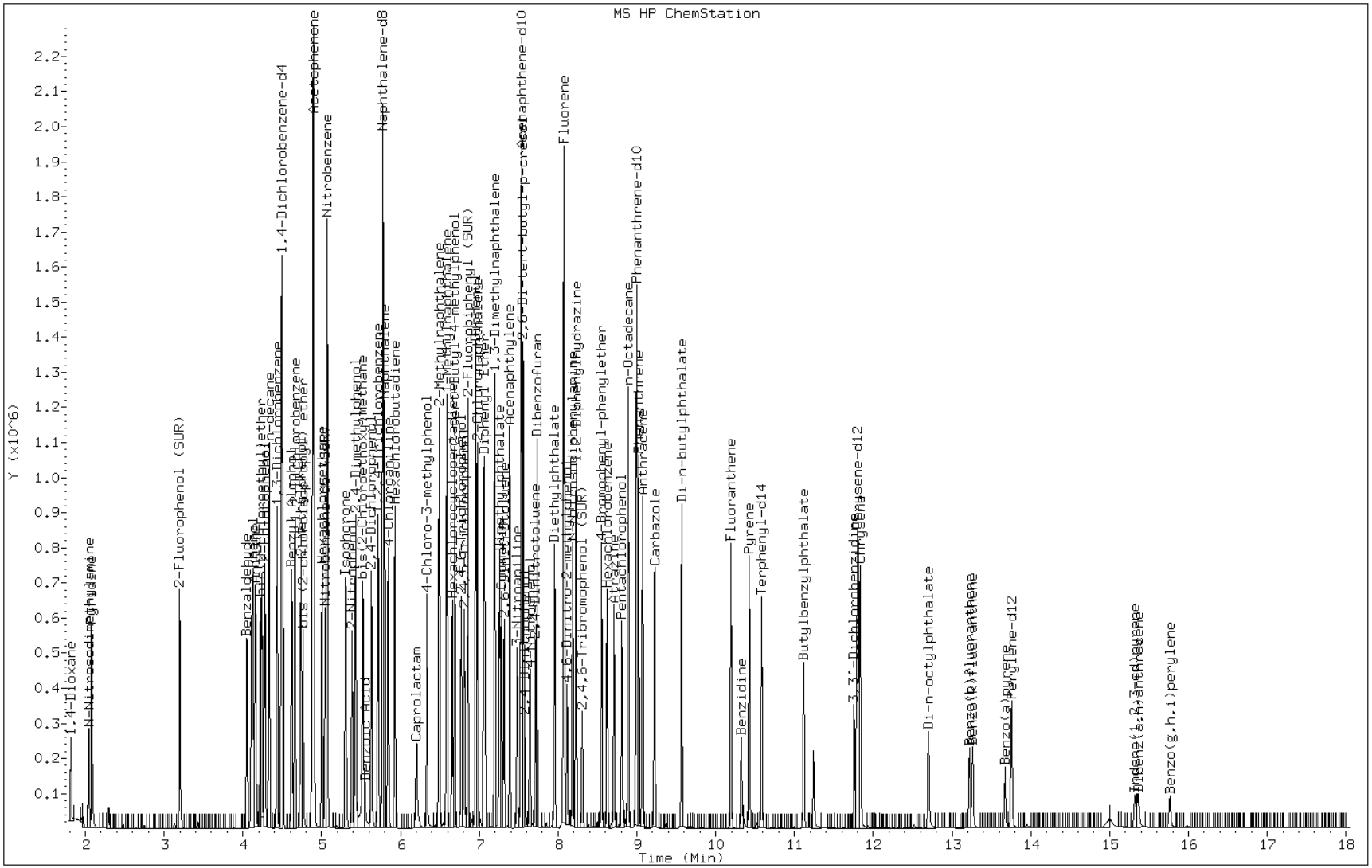
H - Operator selected an alternate compound hit.

Data File: z3797.d

Date: 14-SEP-2009 11:33

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154122 Operator: BNAMS 4



Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3799.d
Report Date: 14-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3799.d
Lab Smp Id: IC-154125
Inj Date : 14-SEP-2009 12:48
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154125
Misc Info : 10ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:28 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.822 | 1.822 | (0.406) | 41243 | 10.0000 | 10 |
| | 19 N-Nitrosodimethylamine | 74 | 2.046 | 2.046 | (0.456) | 61100 | 10.0000 | 10 |
| | 71 Pyridine | 79 | 2.081 | 2.081 | (0.464) | 106304 | 10.0000 | 10 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.198 | 3.198 | (0.713) | 102288 | 10.0000 | 11 |
| | 110 Benzaldehyde | 77 | 4.045 | 4.045 | (0.902) | 67346 | 10.0000 | 14 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.104 | 4.104 | (0.915) | 124150 | 10.0000 | 11 |
| | 1 Phenol | 94 | 4.122 | 4.122 | (0.919) | 122608 | 10.0000 | 10 |
| | 73 Aniline | 93 | 4.151 | 4.151 | (0.925) | 165427 | 10.0000 | 11 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.216 | 4.216 | (0.940) | 107123 | 10.0000 | 9.8 |
| | 2 2-Chlorophenol | 128 | 4.275 | 4.275 | (0.953) | 103901 | 10.0000 | 10 |
| | 113 n-decane | 43 | 4.328 | 4.328 | (0.965) | 106870 | 10.0000 | 11 |
| | 21 1,3-Dichlorobenzene | 146 | 4.434 | 4.434 | (0.988) | 123976 | 10.0000 | 11 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.487 | 4.487 | (1.000) | 259933 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.504 | 4.504 | (1.004) | 122444 | 10.0000 | 11 |
| | 74 Benzyl Alcohol | 108 | 4.616 | 4.616 | (1.029) | 69739 | 10.0000 | 11 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3799.d
Report Date: 14-Sep-2009 13:28

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 23 1,2-Dichlorobenzene | 146 | 4.657 | 4.657 | (1.038) | 121182 | 10.0000 | 11 |
| | 3 2-Methylphenol | 108 | 4.728 | 4.728 | (1.054) | 91691 | 10.0000 | 11 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.757 | 4.757 | (1.060) | 144192 | 10.0000 | 11 |
| | 104 Acetophenone | 105 | 4.892 | 4.892 | (1.090) | 137842 | 10.0000 | 14 |
| | 4 4-Methylphenol | 108 | 4.881 | 4.881 | (1.088) | 96855 | 10.0000 | 13 |
| | 124 3 & 4 methylphenol | 108 | 4.881 | 4.881 | (1.088) | 96855 | 10.0000 | 13 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.892 | 4.892 | (1.090) | 75703 | 10.0000 | 13 |
| | 26 Hexachloroethane | 117 | 5.004 | 5.004 | (1.115) | 48187 | 10.0000 | 11 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 5.040 | 5.040 | (0.873) | 112869 | 10.0000 | 11 |
| | 27 Nitrobenzene | 77 | 5.063 | 5.063 | (0.877) | 158944 | 10.0000 | 11 |
| | 107 N,N-Dimethylaniline | 120 | 5.069 | 5.069 | (1.130) | 167761 | 10.0000 | 11 |
| | 28 Isophorone | 82 | 5.298 | 5.298 | (0.917) | 210019 | 10.0000 | 11 |
| | 5 2-Nitrophenol | 139 | 5.381 | 5.381 | (0.932) | 50495 | 10.0000 | 10 |
| | 6 2,4-Dimethylphenol | 122 | 5.422 | 5.422 | (0.939) | 91286 | 10.0000 | 11 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.522 | 5.522 | (0.956) | 122211 | 10.0000 | 11 |
| | 15 Benzoic Acid | 122 | 5.522 | 5.522 | (0.956) | 30078 | 10.0000 | 11(M) |
| | 7 2,4-Dichlorophenol | 162 | 5.628 | 5.628 | (0.975) | 79394 | 10.0000 | 10 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.716 | 5.716 | (0.990) | 92913 | 10.0000 | 10 |
| * | 80 Naphthalene-d8 | 136 | 5.775 | 5.775 | (1.000) | 1008307 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.792 | 5.792 | (1.003) | 315615 | 10.0000 | 11 |
| | 32 4-Chloroaniline | 127 | 5.839 | 5.839 | (1.011) | 127498 | 10.0000 | 11 |
| | 33 Hexachlorobutadiene | 225 | 5.928 | 5.928 | (1.026) | 53685 | 10.0000 | 10 |
| | 111 Caprolactam | 113 | 6.186 | 6.186 | (1.071) | 27195 | 10.0000 | 11 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.334 | 6.334 | (1.097) | 82090 | 10.0000 | 11 |
| | 34 2-Methylnaphthalene | 142 | 6.486 | 6.486 | (1.123) | 198844 | 10.0000 | 11 |
| | 120 1-Methylnaphthalene | 142 | 6.586 | 6.586 | (1.141) | 195682 | 10.0000 | 11 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.657 | 6.657 | (0.884) | 48843 | 10.0000 | 8.9 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.686 | 6.686 | (1.158) | 134094 | 10.0000 | 11 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.769 | 6.769 | (0.898) | 48796 | 10.0000 | 9.5 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.804 | 6.804 | (0.903) | 52190 | 10.0000 | 11 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.857 | 6.857 | (0.910) | 197832 | 10.0000 | 10 |
| | 102 Diphenyl | 154 | 6.957 | 6.957 | (0.923) | 229153 | 10.0000 | 11 |
| | 36 2-Chloronaphthalene | 162 | 6.975 | 6.975 | (0.926) | 178404 | 10.0000 | 11 |
| | 103 Diphenyl Ether | 170 | 7.057 | 7.057 | (0.937) | 126564 | 10.0000 | 11 |
| | 37 2-Nitroaniline | 65 | 7.075 | 7.075 | (0.939) | 67280 | 10.0000 | 11 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.192 | 7.192 | (0.955) | 146494 | 10.0000 | 11 |
| | 38 Dimethylphthalate | 163 | 7.257 | 7.257 | (0.963) | 189192 | 10.0000 | 11 |
| | 114 Coumarin | 146 | 7.281 | 7.281 | (0.966) | 59764 | 10.0000 | 11 |
| | 40 2,6-Dinitrotoluene | 165 | 7.316 | 7.316 | (0.971) | 39561 | 10.0000 | 11 |
| | 39 Acenaphthylene | 152 | 7.386 | 7.386 | (0.980) | 287540 | 10.0000 | 11 |
| | 41 3-Nitroaniline | 138 | 7.481 | 7.481 | (0.993) | 42256 | 10.0000 | 11 |
| * | 82 Acenaphthene-d10 | 164 | 7.533 | 7.533 | (1.000) | 525586 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.563 | 7.563 | (1.004) | 179338 | 10.0000 | 11 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.551 | 7.551 | (1.002) | 143260 | 10.0000 | 10 |
| | 11 2,4-Dinitrophenol | 184 | 7.581 | 7.581 | (1.006) | 24226 | 20.0000 | 19 |
| | 12 4-Nitrophenol | 65 | 7.639 | 7.639 | (1.014) | 55813 | 20.0000 | 21 |
| | 44 2,4-Dinitrotoluene | 165 | 7.710 | 7.710 | (1.023) | 50116 | 10.0000 | 11 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3799.d
Report Date: 14-Sep-2009 13:28

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 | Dibenzofuran | 168 | 7.733 | 7.733 | (1.027) | 241791 | 10.0000 | 11 |
| | 45 | Diethylphthalate | 149 | 7.957 | 7.957 | (1.056) | 178113 | 10.0000 | 11 |
| | 47 | Fluorene | 166 | 8.075 | 8.075 | (1.072) | 179334 | 10.0000 | 11 |
| | 46 | 4-Chlorophenyl-phenylether | 204 | 8.069 | 8.069 | (1.071) | 84994 | 10.0000 | 11 |
| | 48 | 4-Nitroaniline | 138 | 8.086 | 8.086 | (1.073) | 40082 | 10.0000 | 14 |
| | 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.116 | 8.116 | (0.901) | 36615 | 20.0000 | 20 |
| | 49 | N-Nitrosodiphenylamine | 169 | 8.186 | 8.186 | (0.909) | 118829 | 10.0000 | 10 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 8.228 | 8.228 | (0.914) | 223312 | 10.0000 | 11 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.310 | 8.310 | (1.103) | 20250 | 10.0000 | 11 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 8.557 | 8.557 | (0.950) | 47968 | 10.0000 | 10 |
| | 51 | Hexachlorobenzene | 284 | 8.628 | 8.628 | (0.958) | 43903 | 10.0000 | 10 |
| | 112 | Atrazine | 200 | 8.710 | 8.710 | (0.967) | 38963 | 10.0000 | 8.5 |
| | 14 | Pentachlorophenol | 266 | 8.816 | 8.816 | (0.979) | 42946 | 20.0000 | 20 |
| | 115 | n-Octadecane | 57 | 8.892 | 8.892 | (0.988) | 130239 | 10.0000 | 11 |
| * | 83 | Phenanthrene-d10 | 188 | 9.004 | 9.004 | (1.000) | 685728 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 9.027 | 9.027 | (1.003) | 218926 | 10.0000 | 11 |
| | 53 | Anthracene | 178 | 9.075 | 9.075 | (1.008) | 222286 | 10.0000 | 11 |
| | 54 | Carbazole | 167 | 9.227 | 9.227 | (1.025) | 178954 | 10.0000 | 11 |
| | 55 | Di-n-butylphthalate | 149 | 9.575 | 9.575 | (1.063) | 228844 | 10.0000 | 10 |
| | 56 | Fluoranthene | 202 | 10.204 | 10.204 | (1.133) | 180977 | 10.0000 | 10 |
| | 58 | Benzidine | 184 | 10.333 | 10.333 | (1.148) | 84980 | 20.0000 | 36 |
| | 57 | Pyrene | 202 | 10.433 | 10.433 | (0.883) | 175203 | 10.0000 | 10 |
| $ | 78 | Terphenyl-d14 | 244 | 10.592 | 10.592 | (0.896) | 105824 | 10.0000 | 10 |
| | 59 | Butylbenzylphthalate | 149 | 11.127 | 11.127 | (0.942) | 64558 | 10.0000 | 10 |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 11.768 | 11.768 | (0.996) | 56229 | 20.0000 | 22 |
| | 61 | Benzo(a)anthracene | 228 | 11.798 | 11.798 | (0.998) | 101960 | 10.0000 | 9.8 |
| * | 81 | Chrysene-d12 | 240 | 11.816 | 11.816 | (1.000) | 354515 | 40.0000 | |
| | 62 | Chrysene | 228 | 11.845 | 11.845 | (1.002) | 96193 | 10.0000 | 11 |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.839 | 11.839 | (1.002) | 79945 | 10.0000 | 9.8 |
| | 64 | Di-n-octylphthalate | 149 | 12.710 | 12.710 | (0.923) | 89833 | 10.0000 | 9.4 |
| | 65 | Benzo(b)fluoranthene | 252 | 13.227 | 13.227 | (0.961) | 57955 | 10.0000 | 10 |
| | 66 | Benzo(k)fluoranthene | 252 | 13.263 | 13.263 | (0.964) | 66045 | 10.0000 | 10 |
| | 67 | Benzo(a)pyrene | 252 | 13.680 | 13.680 | (0.994) | 48243 | 10.0000 | 10 |
| * | 84 | Perylene-d12 | 264 | 13.762 | 13.762 | (1.000) | 192663 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.327 | 15.327 | (1.114) | 33153 | 10.0000 | 9.2(M) |
| | 69 | Dibenz(a,h)anthracene | 278 | 15.368 | 15.368 | (1.117) | 34446 | 10.0000 | 9.4 |
| | 70 | Benzo(g,h,i)perylene | 276 | 15.768 | 15.768 | (1.146) | 35251 | 10.0000 | 9.7 |

QC Flag Legend

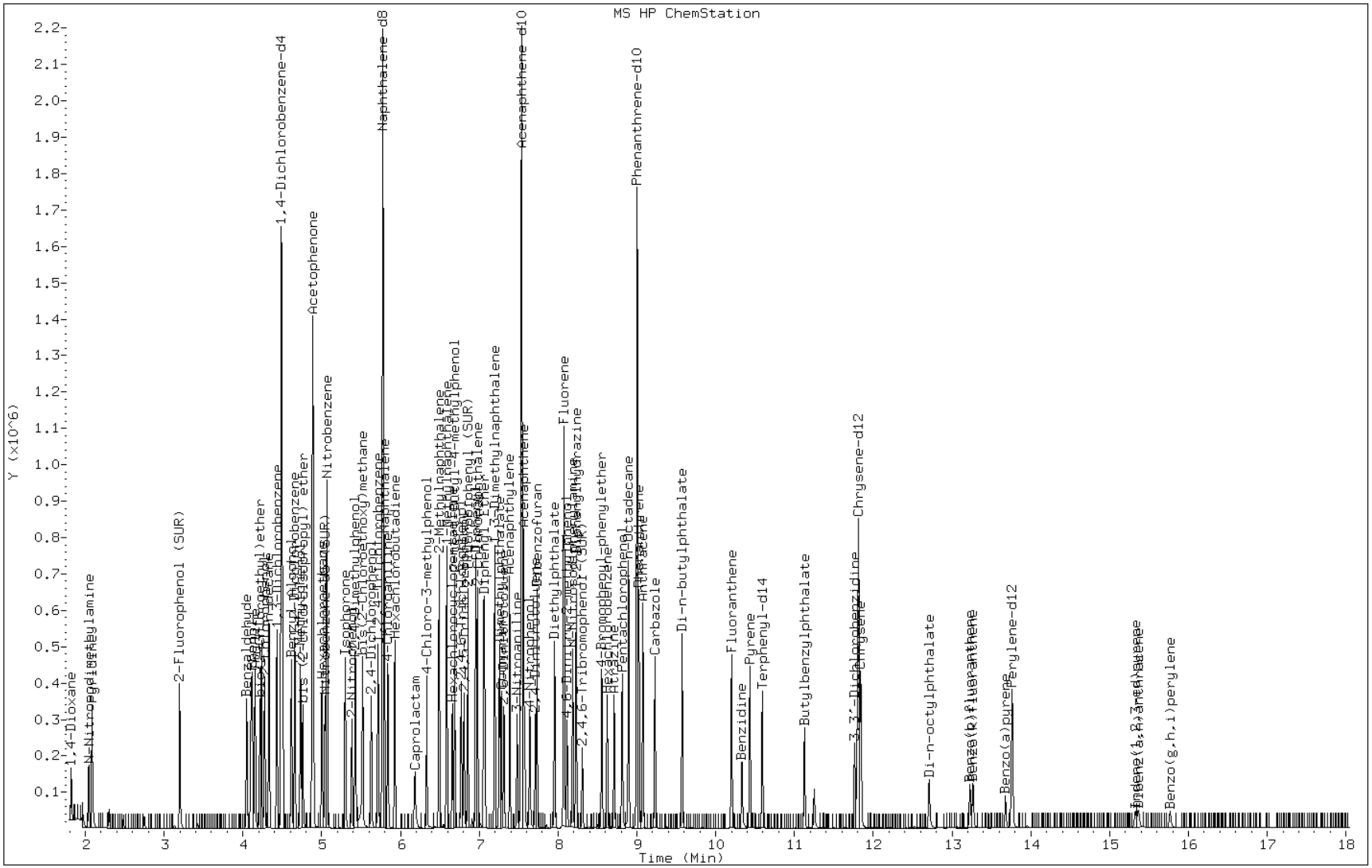
M - Compound response manually integrated.

Data File: z3799.d

Date: 14-SEP-2009 12:48

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154125 Operator: BNAMS 4



# Manual Integration Report

Data File: z3799.d
Inj. Date and Time: 14-SEP-2009 12:48
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/16/2009

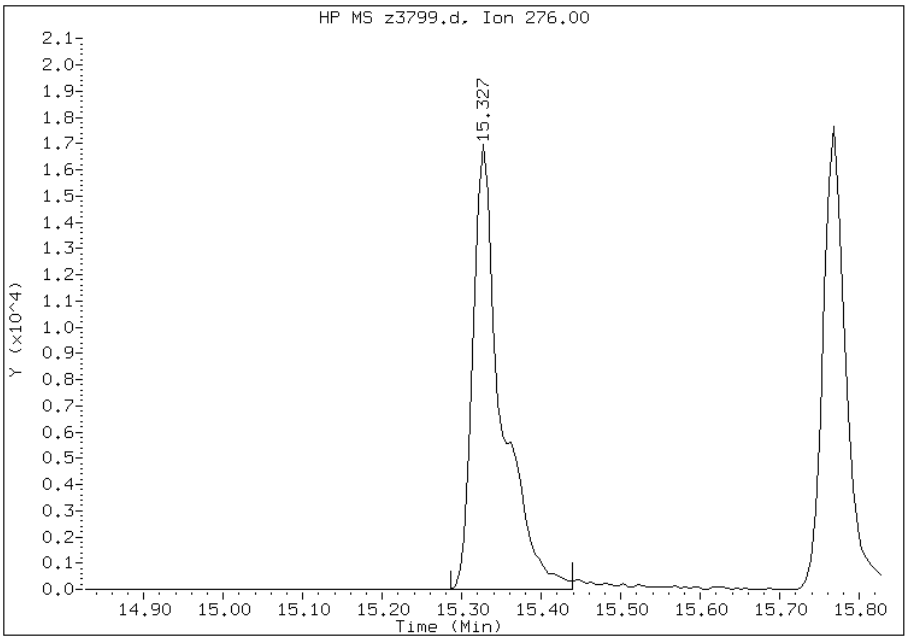
## Processing Integration Results

RT: 15.33

Response: 42143

Amount: 11

Conc: 11



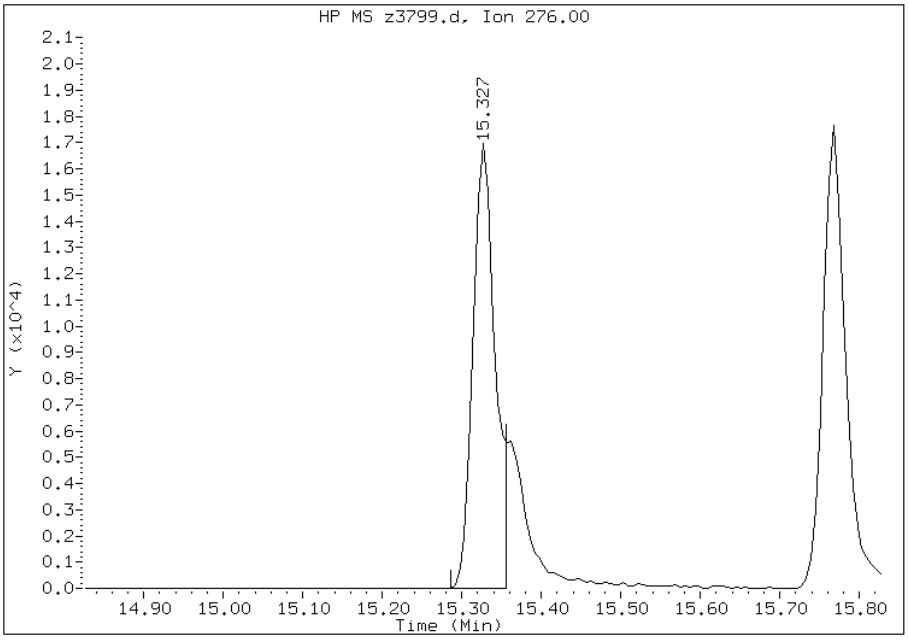

## Manual Integration Results

RT: 15.33

Response: 33153

Amount: 9

Conc: 9




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3799.d
Inj. Date and Time: 14-SEP-2009 12:48
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/16/2009

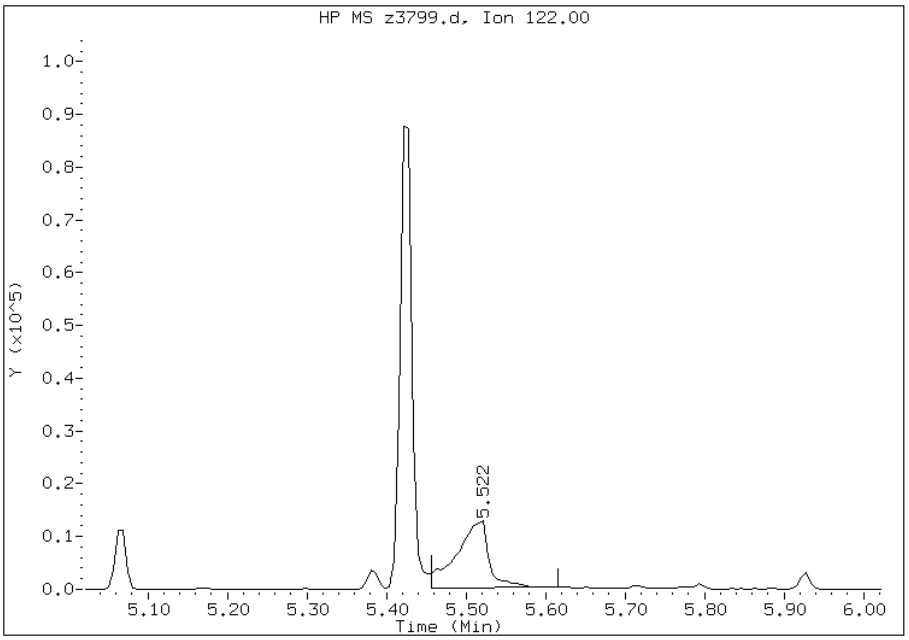
## Processing Integration Results

RT: 5.52

Response: 36973

Amount: 13

Conc: 13



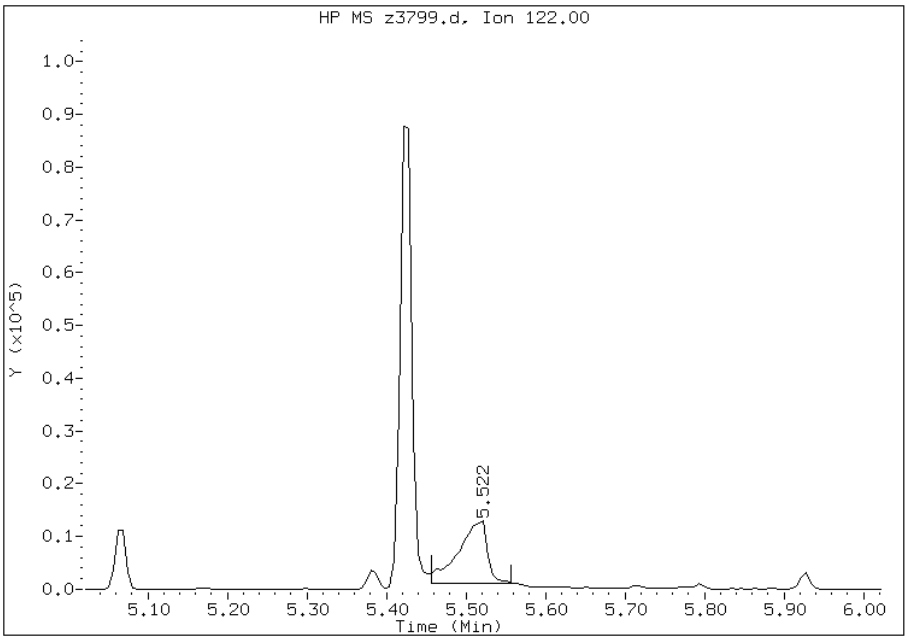

## Manual Integration Results

RT: 5.52

Response: 30078

Amount: 11

Conc: 11




Manually Integrated By: rusin
Manual Integration Reason: Peak Tailing or Fronting

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17499/4 | z4012.d |
| Level 2 | IC 460-17499/7 | z4015.d |
| Level 3 | IC 460-17499/6 | z4014.d |
| Level 4 | ICIS 460-17499/2 | z4010.d |
| Level 5 | IC 460-17499/5 | z4013.d |
| Level 6 | IC 460-17499/3 | z4011.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,4-Dioxane | 0<br>0 | 0 | 0 | 0 | 0 | Ave | | | | | | | | 15.0 | | | |
| 2,3,7,8-TCDD | +++++<br>+++++ | +++++ | +++++ | 0.1561 | +++++ | Ave | | 0.1561 | | | | | | 15.0 | | | |
| N-Nitrosodimethylamine | 0.8514<br>0.7997 | 0.8515 | 0.8114 | 0.7967 | 0.8038 | Ave | | 0.8191 | | | | 3.1 | | 15.0 | | | |
| Pyridine | 1.5725<br>1.3870 | 1.5536 | 1.4854 | 1.4321 | 1.3967 | Ave | | 1.4712 | | | | 5.4 | | 15.0 | | | |
| Benzaldehyde | 0.7254<br>0.3074 | 0.8355 | 0.7965 | 0.7870 | 0.4830 | Ave | | 0.6558 | | | | 32.4 | * | 15.0 | | | |
| Phenol | 1.8440<br>1.4600 | 1.6876 | 1.7263 | 1.6095 | 1.5312 | Ave | | 1.6431 | | | | 8.5 | | 30.0 | | | |
| Aniline | 2.1295<br>1.5836 | 2.1835 | 2.1035 | 1.9428 | 1.7643 | Ave | | 1.9512 | | | | 12.1 | | 15.0 | | | |
| Bis(2-chloroethyl)ether | 1.4560<br>1.4319 | 1.4459 | 1.3952 | 1.3133 | 1.3311 | Ave | | 1.3956 | | | | 4.3 | | 15.0 | | | |
| 2-Chlorophenol | 1.5377<br>1.2952 | 1.4829 | 1.4877 | 1.3703 | 1.3469 | Ave | | 1.4201 | | | | 6.7 | | 15.0 | | | |
| n-Decane | 1.3917<br>1.0196 | 1.3767 | 1.3296 | 1.1754 | 1.0395 | Ave | | 1.2221 | | | | 13.7 | | 15.0 | | | |
| 1,3-Dichlorobenzene | 1.8063<br>1.5530 | 1.7659 | 1.7114 | 1.6498 | 1.5922 | Ave | | 1.6798 | | | | 5.9 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.8120<br>1.5426 | 1.7583 | 1.7086 | 1.6601 | 1.5835 | Ave | | 1.6775 | | | | 6.1 | | 30.0 | | | |
| Benzyl alcohol | 0.8449<br>0.7781 | 0.8830 | 0.8229 | 0.7978 | 0.8078 | Ave | | 0.8224 | | | | 4.5 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.7282<br>1.4092 | 1.6536 | 1.6045 | 1.5287 | 1.4601 | Ave | | 1.5641 | | | | 7.7 | | 15.0 | | | |
| 2-Methylphenol | 1.3100<br>1.0244 | 1.2039 | 1.2041 | 1.0748 | 1.0652 | Ave | | 1.1471 | | | | 9.6 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,2'-oxybis[1-chloropropane] | 1.7255<br>1.1305 | 1.6820 | 1.5749 | 1.3921 | 1.2167 | QuaF | | 0.5740 | 0.0931 | | | | | | 0.9994 | | 0.9900 |
| Acetophenone | 2.0229<br>1.4538 | 1.8745 | 1.8001 | 1.5558 | 1.4949 | Ave | | 1.7003 | | | | 13.6 | | 15.0 | | | |
| 3 & 4 Methylphenol | 1.4850<br>0.9857 | 1.3344 | 1.2767 | 1.1283 | 1.0257 | LinF | | 1.0219 | | | | | | | 0.9918 | | 0.9900 |
| 4-Methylphenol | 1.4827<br>0.9857 | 1.3344 | 1.2767 | 1.1283 | 1.0257 | LinF | | 1.0219 | | | | | | | 0.9918 | | 0.9900 |
| N-Nitrosodi-n-propylamine | 0.9705<br>0.7612 | 0.9215 | 0.8588 | 0.7636 | 0.7681 | Ave | | 0.8406 | | | 0.0500 | 10.8 | | 15.0 | | | |
| Hexachloroethane | 0.6702<br>0.5817 | 0.7038 | 0.6715 | 0.6469 | 0.6098 | Ave | | 0.6473 | | | | 6.9 | | 15.0 | | | |
| Nitrobenzene | 0.6243<br>0.4330 | 0.5815 | 0.5531 | 0.5095 | 0.4699 | Ave | | 0.5286 | | | | 13.5 | | 15.0 | | | |
| n,n'-Dimethylaniline | 2.6329<br>1.7810 | 2.2497 | 2.1368 | 1.9529 | 1.8657 | Ave | | 2.1031 | | | | 14.8 | | 15.0 | | | |
| Isophorone | 0.6861<br>0.6202 | 0.6910 | 0.6673 | 0.6363 | 0.6351 | Ave | | 0.6560 | | | | 4.5 | | 15.0 | | | |
| 2-Nitrophenol | 0.2014<br>0.1943 | 0.1975 | 0.2067 | 0.1991 | 0.1976 | Ave | | 0.1994 | | | | 2.1 | | 30.0 | | | |
| 2,4-Dimethylphenol | 0.3371<br>0.2821 | 0.3185 | 0.3196 | 0.2962 | 0.2957 | Ave | | 0.3082 | | | | 6.6 | | 15.0 | | | |
| Bis(2-chloroethoxy)methane | 0.4246<br>0.3725 | 0.4204 | 0.4049 | 0.3901 | 0.3777 | Ave | | 0.3984 | | | | 5.5 | | 15.0 | | | |
| Benzoic acid | 0.0877<br>0.1437 | 0.1271 | 0.1470 | 0.1100 | 0.1063 | Ave | | 0.1203 | | | | 19.2 | * | 15.0 | | | |
| 2,4-Dichlorophenol | 0.2910<br>0.2573 | 0.2805 | 0.2872 | 0.2647 | 0.2615 | Ave | | 0.2737 | | | | 5.2 | | 30.0 | | | |
| 1,2,4-Trichlorobenzene | 0.3768<br>0.3182 | 0.3638 | 0.3437 | 0.3347 | 0.3204 | Ave | | 0.3430 | | | | 6.9 | | 15.0 | | | |
| Naphthalene | 1.1563<br>0.9784 | 1.1746 | 1.1008 | 1.0620 | 1.0057 | Ave | | 1.0796 | | | | 7.3 | | 15.0 | | | |
| 4-Chloroaniline | 0.4307<br>0.3503 | 0.4547 | 0.4220 | 0.3948 | 0.3751 | Ave | | 0.4046 | | | | 9.5 | | 15.0 | | | |
| Hexachlorobutadiene | 0.2229<br>0.1874 | 0.2136 | 0.2068 | 0.1996 | 0.1917 | Ave | | 0.2037 | | | | 6.6 | | 30.0 | | | |
| Caprolactam | 0.0766<br>0.0696 | 0.0819 | 0.0821 | 0.0813 | 0.0801 | Ave | | 0.0786 | | | | 6.2 | | 15.0 | | | |
| 4-Chloro-3-methylphenol | 0.2913<br>0.2476 | 0.2875 | 0.2840 | 0.2694 | 0.2706 | Ave | | 0.2751 | | | | 5.9 | | 30.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Methylnaphthalene | 0.7203<br>0.5877 | 0.6926 | 0.6684 | 0.6263 | 0.6094 | Ave | | 0.6508 | | | | 7.9 | | 15.0 | | | |
| 1-Methylnaphthalene | 0.6931<br>0.5823 | 0.6871 | 0.6570 | 0.5980 | 0.5855 | Ave | | 0.6338 | | | | 8.1 | | 15.0 | | | |
| Hexachlorocyclopentadiene | 0.3598<br>0.4425 | 0.3754 | 0.3993 | 0.4314 | 0.4199 | Ave | | 0.4047 | | | 0.0500 | 8.0 | | 15.0 | | | |
| 2-tertbutyl-4-methylphenol | 0.4611<br>0.3828 | 0.4693 | 0.4507 | 0.4044 | 0.3974 | Ave | | 0.4276 | | | | 8.7 | | 15.0 | | | |
| 2,4,6-Trichlorophenol | 0.3868<br>0.3996 | 0.3695 | 0.3776 | 0.3706 | 0.3701 | Ave | | 0.3790 | | | | 3.2 | | 30.0 | | | |
| 2,4,5-Trichlorophenol | 0.3978<br>0.3549 | 0.3800 | 0.3914 | 0.3676 | 0.3579 | Ave | | 0.3749 | | | | 4.7 | | 15.0 | | | |
| 1,1'-Biphenyl | 1.6901<br>1.4845 | 1.6533 | 1.6257 | 1.5542 | 1.4878 | Ave | | 1.5826 | | | | 5.5 | | 15.0 | | | |
| 2-Chloronaphthalene | 1.3421<br>1.1948 | 1.3345 | 1.2895 | 1.2363 | 1.1835 | Ave | | 1.2634 | | | | 5.5 | | 15.0 | | | |
| Phenyl ether | 0.9114<br>0.8375 | 0.9111 | 0.8798 | 0.8532 | 0.8270 | Ave | | 0.8700 | | | | 4.2 | | 15.0 | | | |
| 2-Nitroaniline | 0.4020<br>0.3190 | 0.4489 | 0.4388 | 0.4219 | 0.3377 | Ave | | 0.3947 | | | | 13.7 | | 15.0 | | | |
| 1,3-Dimethylnaphthalene | 1.0507<br>0.9609 | 1.0536 | 1.0446 | 0.9865 | 0.9501 | Ave | | 1.0077 | | | | 4.7 | | 15.0 | | | |
| Dimethyl phthalate | 1.3344<br>1.1394 | 1.3179 | 1.2518 | 1.2187 | 1.1608 | Ave | | 1.2371 | | | | 6.5 | | 15.0 | | | |
| Coumarin | 0.4196<br>0.3535 | 0.4218 | 0.4011 | 0.3849 | 0.3558 | Ave | | 0.3895 | | | | 7.7 | | 15.0 | | | |
| 2,6-Dinitrotoluene | 0.2704<br>0.2659 | 0.2811 | 0.2827 | 0.2799 | 0.2726 | Ave | | 0.2754 | | | | 2.5 | | 15.0 | | | |
| Acenaphthylene | 2.0293<br>1.7642 | 2.0299 | 1.9392 | 1.9032 | 1.8011 | Ave | | 1.9111 | | | | 5.9 | | 15.0 | | | |
| 3-Nitroaniline | 0.2999<br>0.2482 | 0.2979 | 0.2902 | 0.2803 | 0.2572 | Ave | | 0.2790 | | | | 7.8 | | 15.0 | | | |
| 3,5-di-tert-butyl-4-hydroxytol | 1.0868<br>0.9742 | 1.0775 | 1.0696 | 0.9830 | 0.9678 | Ave | | 1.0265 | | | | 5.5 | | 15.0 | | | |
| Acenaphthene | 1.2147<br>1.0143 | 1.1847 | 1.1198 | 1.0751 | 1.0264 | Ave | | 1.1058 | | | | 7.4 | | 30.0 | | | |
| 2,4-Dinitrophenol | 0.0775<br>0.1324 | 0.0887 | 0.0990 | 0.1164 | 0.1257 | QuaF | | 9.5991 | -5.345 | | 0.0500 | | | | 0.9970 | | 0.9900 |
| 4-Nitrophenol | 0.1776<br>0.1638 | 0.1720 | 0.1758 | 0.1816 | 0.1707 | Ave | | 0.1736 | | | 0.0500 | 3.6 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,4-Dinitrotoluene | 0.3309<br>0.2950 | 0.3389 | 0.3457 | 0.3319 | 0.3102 | Ave | | 0.3254 | | | | 5.9 | | 15.0 | | | |
| Dibenzofuran | 1.7149<br>1.4546 | 1.7071 | 1.6444 | 1.5377 | 1.4639 | Ave | | 1.5871 | | | | 7.4 | | 15.0 | | | |
| Diethyl phthalate | 1.2155<br>1.0519 | 1.2076 | 1.1814 | 1.1624 | 1.0904 | Ave | | 1.1515 | | | | 5.7 | | 15.0 | | | |
| 4-Chlorophenyl phenyl ether | 0.6376<br>0.5464 | 0.6177 | 0.5846 | 0.5638 | 0.5500 | Ave | | 0.5834 | | | | 6.4 | | 15.0 | | | |
| Fluorene | 1.3122<br>1.0779 | 1.2731 | 1.2379 | 1.1762 | 1.1170 | Ave | | 1.1991 | | | | 7.6 | | 15.0 | | | |
| 4-Nitroaniline | 0.2615<br>0.1975 | 0.2646 | 0.2577 | 0.2408 | 0.2084 | Ave | | 0.2384 | | | | 12.1 | | 15.0 | | | |
| 4,6-Dinitro-2-methylphenol | 0.0919<br>0.1297 | 0.1006 | 0.1094 | 0.1188 | 0.1256 | Ave | | 0.1127 | | | | 13.1 | | 15.0 | | | |
| N-Nitrosodiphenylamine | 0.6361<br>0.7081 | 0.6405 | 0.6071 | 0.5933 | 0.5972 | Ave | | 0.6304 | | | | 6.8 | | 30.0 | | | |
| 1,2-Diphenylhydrazine | 1.1626<br>1.0901 | 1.1941 | 1.1462 | 1.1041 | 1.1186 | Ave | | 1.1360 | | | | 3.4 | | 15.0 | | | |
| 4-Bromophenyl phenyl ether | 0.2654<br>0.2744 | 0.2654 | 0.2580 | 0.2624 | 0.2678 | Ave | | 0.2656 | | | | 2.1 | | 15.0 | | | |
| Hexachlorobenzene | 0.2602<br>0.2624 | 0.2621 | 0.2494 | 0.2494 | 0.2560 | Ave | | 0.2566 | | | | 2.3 | | 15.0 | | | |
| Atrazine | 0.2065<br>0.1552 | 0.2000 | 0.1934 | 0.1887 | 0.1720 | Ave | | 0.1860 | | | | 10.3 | | 15.0 | | | |
| Pentachlorophenol | 0.0953<br>0.1273 | 0.1006 | 0.1054 | 0.1166 | 0.1246 | Ave | | 0.1116 | | | | 11.8 | | 30.0 | | | |
| n-Octadecane | 0.6087<br>0.5715 | 0.6427 | 0.6293 | 0.5729 | 0.5700 | Ave | | 0.5992 | | | | 5.4 | | 15.0 | | | |
| Phenanthrene | 1.2117<br>1.0883 | 1.2107 | 1.1658 | 1.1430 | 1.1022 | Ave | | 1.1536 | | | | 4.6 | | 15.0 | | | |
| Anthracene | 1.2222<br>1.0894 | 1.2203 | 1.1931 | 1.1570 | 1.1218 | Ave | | 1.1673 | | | | 4.7 | | 15.0 | | | |
| Carbazole | 0.9708<br>0.7962 | 0.9548 | 0.9318 | 0.8834 | 0.8317 | Ave | | 0.8948 | | | | 7.8 | | 15.0 | | | |
| Di-n-butyl phthalate | 1.1644<br>1.1031 | 1.1970 | 1.2054 | 1.1829 | 1.1357 | Ave | | 1.1648 | | | | 3.4 | | 15.0 | | | |
| Fluoranthene | 0.9503<br>0.8287 | 0.9145 | 0.9444 | 0.8977 | 0.8552 | Ave | | 0.8985 | | | | 5.4 | | 30.0 | | | |
| Benzidine | 0.0872<br>+++++ | 0.2411 | 0.1994 | 0.1146 | 0.0416 | Ave | | 0.1368 | | | | 59.9 | * | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Pyrene | 1.8631<br>1.7015 | 1.9170 | 1.8731 | 1.7596 | 1.6851 | Ave | | 1.7999 | | | | 5.4 | | 15.0 | | | |
| Butyl benzyl phthalate | 0.5974<br>0.6800 | 0.6508 | 0.6807 | 0.6691 | 0.6797 | Ave | | 0.6596 | | | | 4.9 | | 15.0 | | | |
| 3,3'-Dichlorobenzidine | 0.2921<br>0.2613 | 0.3129 | 0.3051 | 0.3061 | 0.2692 | Ave | | 0.2911 | | | | 7.3 | | 15.0 | | | |
| Benzo[a]anthracene | 1.2667<br>1.1057 | 1.1099 | 1.1064 | 1.1053 | 1.0986 | Ave | | 1.1321 | | | | 5.8 | | 15.0 | | | |
| Bis(2-ethylhexyl) phthalate | 0.7848<br>0.8805 | 0.8204 | 0.8536 | 0.8553 | 0.8709 | Ave | | 0.8443 | | | | 4.2 | | 15.0 | | | |
| Chrysene | 1.1090<br>1.0279 | 1.1116 | 1.0542 | 1.0342 | 1.0270 | Ave | | 1.0607 | | | | 3.7 | | 15.0 | | | |
| Di-n-octyl phthalate | 1.2897<br>1.8462 | 1.4167 | 1.6228 | 1.7133 | 1.7575 | Ave | | 1.6077 | | | | 13.3 | | 30.0 | | | |
| Benzo[b]fluoranthene | 0.9747<br>1.2528 | 1.1416 | 1.1706 | 1.1735 | 1.1674 | Ave | | 1.1468 | | | | 8.0 | | 15.0 | | | |
| Benzo[k]fluoranthene | 0.9651<br>1.2563 | 1.2602 | 1.3442 | 1.3187 | 1.3057 | Ave | | 1.2417 | | | | 11.3 | | 15.0 | | | |
| Benzo[a]pyrene | 0.7637<br>1.0506 | 0.9345 | 0.9711 | 1.0261 | 1.0327 | Ave | | 0.9631 | | | | 11.1 | | 30.0 | | | |
| Indeno[1,2,3-cd]pyrene | 0.8610<br>0.9925 | 0.7533 | 0.8531 | 0.8776 | 0.9587 | Ave | | 0.8827 | | | | 9.6 | | 15.0 | | | |
| Dibenz(a,h)anthracene | 0.7046<br>0.9950 | 0.7936 | 0.8315 | 0.9204 | 0.9340 | Ave | | 0.8632 | | | | 12.3 | | 15.0 | | | |
| Benzo[g,h,i]perylene | 0.7776<br>1.0029 | 0.8485 | 0.8750 | 0.9263 | 0.9385 | Ave | | 0.8948 | | | | 8.8 | | 15.0 | | | |
| 2-Fluorophenol | 1.4959<br>1.2291 | 1.5128 | 1.4017 | 1.3139 | 1.2694 | Ave | | 1.3704 | | | | 8.7 | | 15.0 | | | |
| Phenol-d5 | 1.6553<br>1.2984 | 1.6403 | 1.5159 | 1.3994 | 1.3801 | Ave | | 1.4816 | | | | 9.9 | | 15.0 | | | |
| Nitrobenzene-d5 | 0.3886<br>0.3509 | 0.3976 | 0.4005 | 0.3743 | 0.3632 | Ave | | 0.3792 | | | | 5.2 | | 15.0 | | | |
| 2-Fluorobiphenyl | 1.4859<br>1.3730 | 1.4461 | 1.4659 | 1.3578 | 1.3234 | Ave | | 1.4087 | | | | 4.7 | | 15.0 | | | |
| 2,4,6-Tribromophenol | 0.1420<br>0.1322 | 0.1422 | 0.1342 | 0.1399 | 0.1334 | Ave | | 0.1373 | | | | 3.3 | | 15.0 | | | |
| Terphenyl-d14 | 1.1759<br>1.1249 | 1.1823 | 1.2246 | 1.1064 | 1.0899 | Ave | | 1.1507 | | | | 4.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17499/4 | z4012.d |
| Level 2 | IC 460-17499/7 | z4015.d |
| Level 3 | IC 460-17499/6 | z4014.d |
| Level 4 | ICIS 460-17499/2 | z4010.d |
| Level 5 | IC 460-17499/5 | z4013.d |
| Level 6 | IC 460-17499/3 | z4011.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,4-Dioxane | DCB | Ave | 0<br>0 | 0 | 0 | 0 | 0 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,3,7,8-TCDD | CRY | Ave | +++++<br>+++++ | +++++ | +++++ | 580 | +++++ | +++++<br>+++++ | +++++ | +++++ | 0.500 | +++++ |
| N-Nitrosodimethylamine | DCB | Ave | 37652<br>850300 | 73140 | 118921 | 304342 | 546145 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pyridine | DCB | Ave | 69544<br>1474697 | 133439 | 217697 | 547033 | 948960 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzaldehyde | DCB | Ave | 32083<br>326869 | 71765 | 116727 | 300624 | 328188 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol | DCB | Ave | 81553<br>1552264 | 144955 | 252999 | 614817 | 1040377 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Aniline | DCB | Ave | 94178<br>1683673 | 187550 | 308283 | 742133 | 1198721 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethyl)ether | DCB | Ave | 6439<br>1522396 | 124194 | 204476 | 501676 | 904415 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chlorophenol | DCB | Ave | 68005<br>1377094 | 127366 | 218026 | 523457 | 915115 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n-Decane | DCB | Ave | 61548<br>1084032 | 118248 | 194859 | 448974 | 706245 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dichlorobenzene | DCB | Ave | 79882<br>1651179 | 151676 | 250818 | 630193 | 1081836 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 80134<br>1640069 | 151025 | 250403 | 634123 | 1075906 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzyl alcohol | DCB | Ave | 37367<br>827317 | 75846 | 120603 | 304765 | 548858 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 76430<br>1498258 | 142036 | 235149 | 583958 | 992064 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylphenol | DCB | Ave | 57933<br>1089151 | 103410 | 176472 | 410554 | 723736 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,2'-oxybis[1-chloropropane] | DCB | QuaF | 76310<br>1201919 | 144471 | 230806 | 531764 | 826670 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Acetophenone | DCB | Ave | 89465<br>1545669 | 161005 | 263818 | 594285 | 1015692 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3 & 4 Methylphenol | DCB | LinF | 65674<br>1048053 | 114617 | 187111 | 431017 | 696890 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Methylphenol | DCB | LinF | 65573<br>1048053 | 114617 | 187111 | 431017 | 696890 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| N-Nitrosodi-n-propylamine | DCB | Ave | 4292<br>809352 | 79149 | 125855 | 291683 | 521846 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachloroethane | DCB | Ave | 2964<br>618458 | 60450 | 98410 | 247123 | 414316 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene | NPT | Ave | 10179<br>1621580 | 179691 | 289954 | 670204 | 1130187 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n,n'-Dimethylaniline | DCB | Ave | 11644<br>1893597 | 193230 | 313152 | 745986 | 1267606 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Isophorone | NPT | Ave | 111863<br>2322542 | 213538 | 349801 | 836854 | 1527490 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitrophenol | NPT | Ave | 32833<br>727622 | 61025 | 108343 | 261836 | 475308 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dimethylphenol | NPT | Ave | 54968<br>1056241 | 98427 | 167543 | 389551 | 711303 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethoxy)methane | NPT | Ave | 69228<br>1395139 | 129907 | 212265 | 513066 | 908378 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzoic acid | NPT | Ave | 14297<br>538126 | 39266 | 77050 | 144716 | 255656 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dichlorophenol | NPT | Ave | 47438<br>963622 | 86671 | 150573 | 348184 | 629036 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2,4-Trichlorobenzene | NPT | Ave | 6144<br>1191796 | 112442 | 180194 | 440248 | 770590 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Naphthalene | NPT | Ave | 188531<br>3664161 | 363002 | 577069 | 1396772 | 2418938 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloroaniline | NPT | Ave | 70216<br>1311708 | 140520 | 221200 | 519320 | 902218 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobutadiene | NPT | Ave | 7270<br>701717 | 66023 | 108420 | 262468 | 461034 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Caprolactam | NPT | Ave | 12491<br>260460 | 25298 | 43052 | 106884 | 192605 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloro-3-methylphenol | NPT | Ave | 47490<br>927273 | 88837 | 148876 | 354332 | 650810 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylnaphthalene | NPT | Ave | 117443<br>2200886 | 214029 | 350367 | 823758 | 1465874 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1-Methylnaphthalene | NPT | Ave | 113011<br>2180677 | 212351 | 344397 | 786530 | 1408330 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Hexachlorocyclopentadiene | ANT | Ave | 27978<br>731087 | 55753 | 99098 | 261366 | 468211 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-tertbutyl-4-methylphenol | NPT | Ave | 75186<br>1433683 | 145042 | 236269 | 531968 | 955907 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Trichlorophenol | ANT | Ave | 30074<br>660209 | 54868 | 93701 | 224506 | 412655 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,5-Trichlorophenol | ANT | Ave | 30928<br>586445 | 56431 | 97145 | 222696 | 399068 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,1'-Biphenyl | ANT | Ave | 131403<br>2452845 | 245508 | 403470 | 941523 | 1658915 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chloronaphthalene | ANT | Ave | 104352<br>1974226 | 198167 | 320012 | 748945 | 1319610 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenyl ether | ANT | Ave | 70858<br>1383756 | 135294 | 218358 | 516847 | 922091 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitroaniline | ANT | Ave | 62516<br>527018 | 66657 | 108902 | 255560 | 376556 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dimethylnaphthalene | ANT | Ave | 81694<br>1587692 | 156449 | 259240 | 597607 | 1059390 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dimethyl phthalate | ANT | Ave | 103749<br>1882636 | 195700 | 310663 | 738270 | 1294306 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Coumarin | ANT | Ave | 32627<br>584123 | 62641 | 99541 | 233186 | 396764 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,6-Dinitrotoluene | ANT | Ave | 4205<br>439294 | 41745 | 70155 | 169562 | 303961 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthylene | ANT | Ave | 157776<br>2914889 | 301427 | 481273 | 1152965 | 2008252 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3-Nitroaniline | ANT | Ave | 46637<br>410099 | 44234 | 72023 | 169837 | 286762 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,5-di-tert-butyl-4-hydroxytol | ANT | Ave | 84500<br>1609603 | 160010 | 265457 | 595494 | 1079099 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthene | ANT | Ave | 94442<br>1675881 | 175927 | 277900 | 651285 | 1144433 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dinitrophenol | ANT | QuaF | 18081<br>218711 | 26335 | 36838 | 70531 | 140182 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 4-Nitrophenol | ANT | Ave | 41434<br>270689 | 51097 | 65458 | 110040 | 190379 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 2,4-Dinitrotoluene | ANT | Ave | 5146<br>487361 | 50319 | 85789 | 201052 | 345847 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenzofuran | ANT | Ave | 133333<br>2403485 | 253500 | 408096 | 931533 | 1632324 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Diethyl phthalate | ANT | Ave | 94504<br>1738006 | 179325 | 293202 | 704164 | 1215774 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 4-Chlorophenyl phenyl ether | ANT | Ave | 49575<br>902872 | 91729 | 145086 | 341529 | 613287 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluorene | ANT | Ave | 102027<br>1780962 | 189054 | 307220 | 712561 | 1245455 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Nitroaniline | ANT | Ave | 40667<br>326364 | 39288 | 63960 | 145853 | 232402 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4,6-Dinitro-2-methylphenol | PHN | Ave | 26743<br>237896 | 36708 | 50497 | 87969 | 159949 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| N-Nitrosodiphenylamine | PHN | Ave | 61735<br>1298806 | 116830 | 186839 | 439435 | 760326 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Diphenylhydrazine | PHN | Ave | 112823<br>1999592 | 217804 | 352771 | 817822 | 1424226 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Bromophenyl phenyl ether | PHN | Ave | 25755<br>503414 | 48400 | 79392 | 194357 | 340944 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobenzene | PHN | Ave | 2525<br>481290 | 47805 | 76751 | 184722 | 325935 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Atrazine | PHN | Ave | 20040<br>284700 | 36481 | 59524 | 139794 | 218972 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pentachlorophenol | PHN | Ave | 27733<br>233590 | 36697 | 48638 | 86342 | 158623 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| n-Octadecane | PHN | Ave | 59069<br>1048327 | 117218 | 193665 | 424331 | 725711 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenanthrene | PHN | Ave | 117592<br>1996374 | 220825 | 358788 | 846603 | 1403274 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Anthracene | PHN | Ave | 118608<br>1998241 | 222571 | 367189 | 857033 | 1428255 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Carbazole | PHN | Ave | 94215<br>1460421 | 174154 | 286783 | 654328 | 1058881 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-butyl phthalate | PHN | Ave | 113002<br>2023426 | 218323 | 370982 | 876180 | 1445957 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluoranthene | PHN | Ave | 92223<br>1520091 | 166807 | 290652 | 664936 | 1088818 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzidine | PHN | Ave | 8462<br>+++++ | 87961 | 92056 | 84908 | 52976 | 5.00<br>+++++ | 20.0 | 30.0 | 50.0 | 80.0 |
| Pyrene | CRY | Ave | 91826<br>1440086 | 166792 | 288537 | 653867 | 1052652 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Butyl benzyl phthalate | CRY | Ave | 29442<br>575535 | 56621 | 104852 | 248654 | 424579 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,3'-Dichlorobenzidine | CRY | Ave | 28797<br>221150 | 54454 | 70496 | 113762 | 168157 | 10.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| Benzo[a]anthracene | CRY | Ave | 6243<br>935829 | 96567 | 170433 | 410727 | 686318 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Bis(2-ethylhexyl) phthalate | CRY | Ave | 38681<br>745248 | 71375 | 131488 | 317835 | 544062 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Chrysene | CRY | Ave | 54659<br>869967 | 96715 | 162388 | 384312 | 641593 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-octyl phthalate | PRY | Ave | 37779<br>1050631 | 76187 | 151266 | 421761 | 750884 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[b]fluoranthene | PRY | Ave | 2855<br>712939 | 61395 | 109119 | 288888 | 498741 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[k]fluoranthene | PRY | Ave | 2827<br>714917 | 67771 | 125296 | 324636 | 557859 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[a]pyrene | PRY | Ave | 2237<br>597899 | 50258 | 90516 | 252606 | 441215 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Ave | 2522<br>564813 | 40510 | 79518 | 216048 | 409590 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 2064<br>566236 | 42679 | 77505 | 226568 | 399058 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 22776<br>570730 | 45633 | 81560 | 228023 | 400975 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorophenol | DCB | Ave | 66155<br>1306829 | 129937 | 205419 | 501888 | 862452 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol-d5 | DCB | Ave | 73205<br>1380492 | 140891 | 222156 | 534559 | 937685 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene-d5 | NPT | Ave | 63355<br>1314074 | 122877 | 209949 | 492293 | 873681 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorobiphenyl | ANT | Ave | 115532<br>2268540 | 214736 | 363797 | 822538 | 1475672 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Tribromophenol | ANT | Ave | 11041<br>218506 | 21117 | 33294 | 84762 | 148738 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Terphenyl-d14 | CRY | Ave | 57956<br>952090 | 102867 | 188644 | 411133 | 680843 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Lab Smp Id: ICIS-154120
Inj Date : 21-SEP-2009 01:32
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : ICIS-154120
Misc Info : 50ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.928 | 1.928 | (0.441) | 304342 | 50.0000 | 49 |
| | 71 Pyridine | 79 | 1.957 | 1.957 | (0.448) | 547033 | 50.0000 | 49 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.705) | 501888 | 50.0000 | 48 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.898) | 300624 | 50.0000 | 60 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.010 | 4.010 | (0.918) | 534559 | 50.0000 | 47 |
| | 1 Phenol | 94 | 4.022 | 4.022 | (0.921) | 614817 | 50.0000 | 49 |
| | 73 Aniline | 93 | 4.040 | 4.040 | (0.925) | 742133 | 50.0000 | 50 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.098 | 4.098 | (0.938) | 501676 | 50.0000 | 47 |
| | 2 2-Chlorophenol | 128 | 4.163 | 4.163 | (0.953) | 523457 | 50.0000 | 48 |
| | 113 n-decane | 43 | 4.210 | 4.210 | (0.964) | 448974 | 50.0000 | 48 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.987) | 630193 | 50.0000 | 49 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.369 | (1.000) | 305592 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.003) | 634123 | 50.0000 | 49 |
| | 74 Benzyl Alcohol | 108 | 4.510 | 4.510 | (1.032) | 304765 | 50.0000 | 48 |
| | 23 1,2-Dichlorobenzene | 146 | 4.540 | 4.540 | (1.039) | 583958 | 50.0000 | 49 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.628 | 4.628 | (1.059) | 410554 | 50.0000 | 47 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.640 | 4.640 | (1.062) | 531764 | 50.0000 | 51 |
| | 104 Acetophenone | 105 | 4.775 | 4.775 | (1.093) | 594285 | 50.0000 | 46 |
| | 4 4-Methylphenol | 108 | 4.781 | 4.781 | (1.094) | 431017 | 50.0000 | 55 |
| | 124 3 & 4 methylphenol | 108 | 4.781 | 4.781 | (1.094) | 431017 | 50.0000 | 55 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.781 | 4.781 | (1.094) | 291683 | 50.0000 | 45 |
| | 26 Hexachloroethane | 117 | 4.881 | 4.881 | (1.117) | 247123 | 50.0000 | 50 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.928 | 4.928 | (0.872) | 492293 | 50.0000 | 49 |
| | 27 Nitrobenzene | 77 | 4.951 | 4.951 | (0.876) | 670204 | 50.0000 | 48 |
| | 107 N,N-Dimethylaniline | 120 | 4.951 | 4.951 | (1.133) | 745986 | 50.0000 | 46 |
| | 28 Isophorone | 82 | 5.187 | 5.187 | (0.918) | 836854 | 50.0000 | 48 |
| | 5 2-Nitrophenol | 139 | 5.263 | 5.263 | (0.931) | 261836 | 50.0000 | 50 |
| | 6 2,4-Dimethylphenol | 122 | 5.316 | 5.316 | (0.941) | 389551 | 50.0000 | 48 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.404 | 5.404 | (0.956) | 513066 | 50.0000 | 49 |
| | 15 Benzoic Acid | 122 | 5.445 | 5.445 | (0.964) | 144716 | 50.0000 | 46 |
| | 7 2,4-Dichlorophenol | 162 | 5.510 | 5.510 | (0.975) | 348184 | 50.0000 | 48 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.592 | 5.592 | (0.990) | 440248 | 50.0000 | 49 |
| * | 80 Naphthalene-d8 | 136 | 5.651 | 5.651 | (1.000) | 1052231 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.669 | 5.669 | (1.003) | 1396772 | 50.0000 | 49 |
| | 32 4-Chloroaniline | 127 | 5.728 | 5.728 | (1.014) | 519320 | 50.0000 | 49 |
| | 33 Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.027) | 262468 | 50.0000 | 49 |
| | 111 Caprolactam | 113 | 6.104 | 6.104 | (1.080) | 106884 | 50.0000 | 52 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.228 | 6.228 | (1.102) | 354332 | 50.0000 | 49 |
| | 34 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.126) | 823758 | 50.0000 | 48 |
| | 120 1-Methylnaphthalene | 142 | 6.463 | 6.463 | (1.144) | 786530 | 50.0000 | 47 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 261366 | 50.0000 | 53 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.575 | 6.575 | (1.163) | 531968 | 50.0000 | 47 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.651 | 6.651 | (0.898) | 224506 | 50.0000 | 49 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.692 | 6.692 | (0.904) | 222696 | 50.0000 | 49 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.734 | 6.734 | (0.909) | 822538 | 50.0000 | 48 |
| | 102 Diphenyl | 154 | 6.834 | 6.834 | (0.923) | 941523 | 50.0000 | 49 |
| | 36 2-Chloronaphthalene | 162 | 6.851 | 6.851 | (0.925) | 748945 | 50.0000 | 49 |
| | 103 Diphenyl Ether | 170 | 6.939 | 6.939 | (0.937) | 516847 | 50.0000 | 49 |
| | 37 2-Nitroaniline | 65 | 6.957 | 6.957 | (0.940) | 255560 | 50.0000 | 53 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.069 | 7.069 | (0.955) | 597607 | 50.0000 | 49 |
| | 38 Dimethylphthalate | 163 | 7.139 | 7.139 | (0.964) | 738270 | 50.0000 | 49 |
| | 114 Coumarin | 146 | 7.157 | 7.157 | (0.967) | 233186 | 50.0000 | 49 |
| | 40 2,6-Dinitrotoluene | 165 | 7.198 | 7.198 | (0.972) | 169562 | 50.0000 | 51 |
| | 39 Acenaphthylene | 152 | 7.263 | 7.263 | (0.981) | 1152965 | 50.0000 | 50 |
| | 41 3-Nitroaniline | 138 | 7.363 | 7.363 | (0.994) | 169837 | 50.0000 | 50 |
| * | 82 Acenaphthene-d10 | 164 | 7.404 | 7.404 | (1.000) | 484646 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.439 | 7.439 | (1.005) | 651285 | 50.0000 | 49 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.428 | 7.428 | (1.003) | 595494 | 50.0000 | 48 |
| | 11 2,4-Dinitrophenol | 184 | 7.463 | 7.463 | (1.008) | 70531 | 50.0000 | 51 |
| | 12 4-Nitrophenol | 65 | 7.534 | 7.534 | (1.017) | 110040 | 50.0000 | 52 |
| | 44 2,4-Dinitrotoluene | 165 | 7.592 | 7.592 | (1.025) | 201052 | 50.0000 | 51 |
| | 43 Dibenzofuran | 168 | 7.604 | 7.604 | (1.027) | 931533 | 50.0000 | 48 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.833 | 7.833 | (1.058) | 704164 | 50.0000 | 50 |
| | 47 Fluorene | 166 | 7.945 | 7.945 | (1.073) | 712561 | 50.0000 | 49 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.945 | 7.945 | (1.073) | 341529 | 50.0000 | 48 |
| | 48 4-Nitroaniline | 138 | 7.969 | 7.969 | (1.076) | 145853 | 50.0000 | 50 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.998 | 7.998 | (0.902) | 87969 | 50.0000 | 53 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.063 | 8.063 | (0.909) | 439435 | 50.0000 | 47 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.098 | 8.098 | (0.913) | 817822 | 50.0000 | 48 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.181 | 8.181 | (1.105) | 84762 | 50.0000 | 51 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.422 | 8.422 | (0.950) | 194357 | 50.0000 | 49 |
| | 51 Hexachlorobenzene | 284 | 8.492 | 8.492 | (0.958) | 184722 | 50.0000 | 48 |
| | 112 Atrazine | 200 | 8.586 | 8.586 | (0.968) | 139794 | 50.0000 | 51 |
| | 14 Pentachlorophenol | 266 | 8.686 | 8.686 | (0.979) | 86342 | 50.0000 | 52 |
| | 115 n-Octadecane | 57 | 8.763 | 8.763 | (0.988) | 424331 | 50.0000 | 48 |
| * | 83 Phenanthrene-d10 | 188 | 8.869 | 8.869 | (1.000) | 592573 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.892 | 8.892 | (1.003) | 846603 | 50.0000 | 50 |
| | 53 Anthracene | 178 | 8.939 | 8.939 | (1.008) | 857033 | 50.0000 | 50 |
| | 54 Carbazole | 167 | 9.098 | 9.098 | (1.026) | 654328 | 50.0000 | 49 |
| | 55 Di-n-butylphthalate | 149 | 9.439 | 9.439 | (1.064) | 876180 | 50.0000 | 51 |
| | 56 Fluoranthene | 202 | 10.063 | 10.063 | (1.135) | 664936 | 50.0000 | 50 |
| | 58 Benzidine | 184 | 10.186 | 10.186 | (1.149) | 84908 | 50.0000 | 42 |
| | 57 Pyrene | 202 | 10.286 | 10.286 | (0.884) | 653867 | 50.0000 | 49 |
| $ | 78 Terphenyl-d14 | 244 | 10.439 | 10.439 | (0.897) | 411133 | 50.0000 | 48 |
| | 59 Butylbenzylphthalate | 149 | 10.969 | 10.969 | (0.943) | 248654 | 50.0000 | 51 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 11.080 | 11.080 | (0.952) | 580 | 0.50000 | 0.50 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.592 | 11.592 | (0.996) | 113762 | 50.0000 | 52 |
| | 61 Benzo(a)anthracene | 228 | 11.621 | 11.621 | (0.999) | 410727 | 50.0000 | 49 |
| * | 81 Chrysene-d12 | 240 | 11.633 | 11.633 | (1.000) | 297279 | 40.0000 | |
| | 62 Chrysene | 228 | 11.669 | 11.669 | (1.003) | 384312 | 50.0000 | 49 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.663 | 11.663 | (1.003) | 317835 | 50.0000 | 51 |
| | 64 Di-n-octylphthalate | 149 | 12.521 | 12.521 | (0.924) | 421761 | 50.0000 | 53 |
| | 65 Benzo(b)fluoranthene | 252 | 13.027 | 13.027 | (0.961) | 288888 | 50.0000 | 51 |
| | 66 Benzo(k)fluoranthene | 252 | 13.068 | 13.068 | (0.964) | 324636 | 50.0000 | 53 |
| | 67 Benzo(a)pyrene | 252 | 13.474 | 13.474 | (0.994) | 252606 | 50.0000 | 53 |
| * | 84 Perylene-d12 | 264 | 13.551 | 13.551 | (1.000) | 196937 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.074 | 15.074 | (1.112) | 216048 | 50.0000 | 50(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.110 | 15.110 | (1.115) | 226568 | 50.0000 | 53 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.498 | 15.498 | (1.144) | 228023 | 50.0000 | 52 |

QC Flag Legend

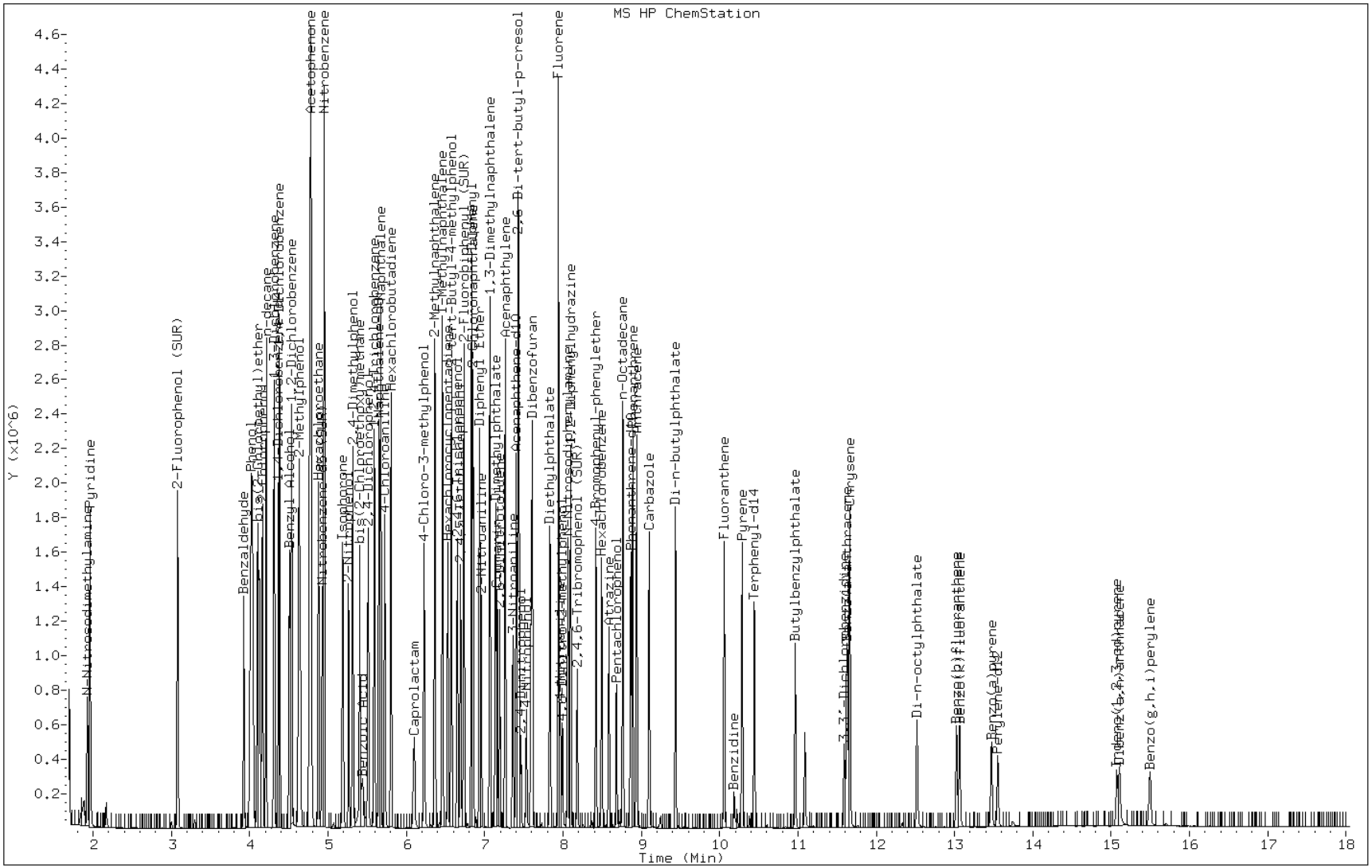
M - Compound response manually integrated.

Data File: z4010.d

Date: 21-SEP-2009 01:32

Client ID: Instrument: BNAMS11.i

Sample Info: ICIS-154120 Operator: BNAMS 4



# Manual Integration Report

Data File: z4010.d
Inj. Date and Time: 21-SEP-2009 01:32
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

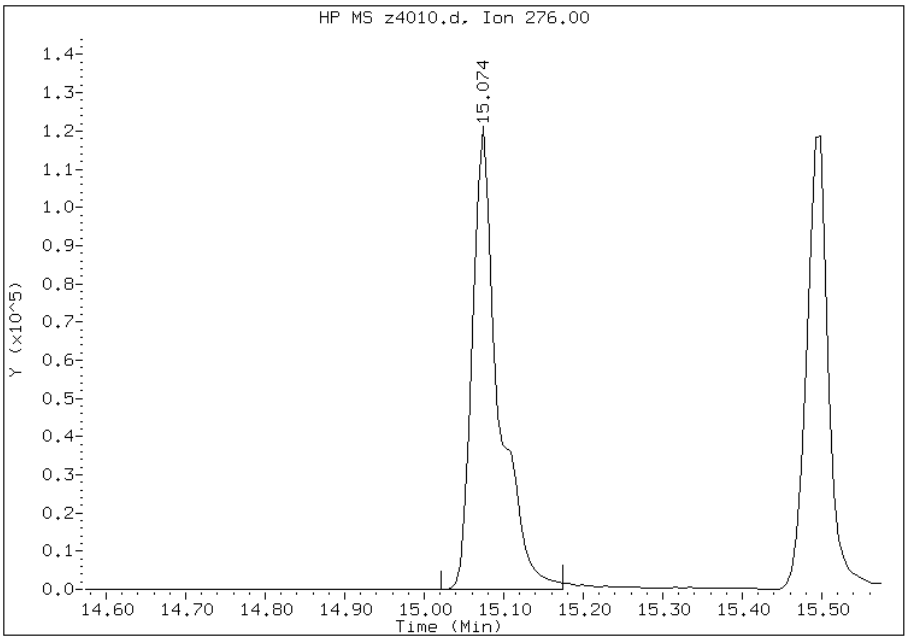
## Processing Integration Results

RT: 15.07

Response: 275092

Amount: 70

Conc: 70



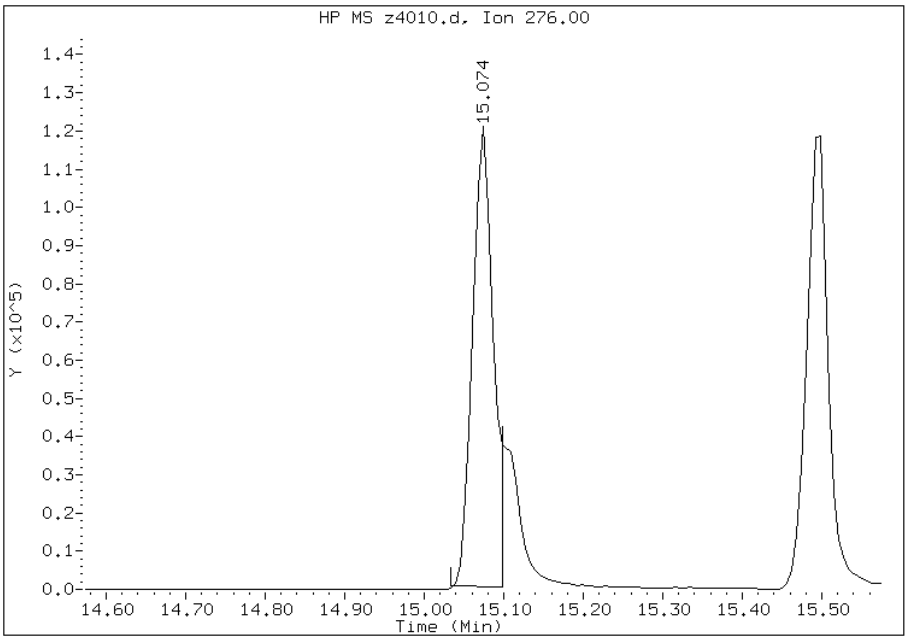

## Manual Integration Results

RT: 15.07

Response: 216048

Amount: 50

Conc: 50




Manually Integrated By: rusin
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Lab Smp Id: IC-154124
Inj Date : 21-SEP-2009 02:22
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154124
Misc Info : 120 ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 2.016 | 1.928 | (0.461) | 850300 | 120.000 | 120(AH) |
| | 71 Pyridine | 79 | 2.052 | 1.957 | (0.469) | 1474697 | 120.000 | 120(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.122 | 3.081 | (0.714) | 1306829 | 120.000 | 120 |
| | 110 Benzaldehyde | 77 | 3.940 | 3.922 | (0.900) | 326869 | 120.000 | 67 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.040 | 4.010 | (0.923) | 1380492 | 120.000 | 120 |
| | 1 Phenol | 94 | 4.057 | 4.022 | (0.927) | 1552264 | 120.000 | 110 |
| | 73 Aniline | 93 | 4.057 | 4.040 | (0.927) | 1683673 | 120.000 | 110 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.128 | 4.098 | (0.944) | 1522396 | 120.000 | 120(A) |
| | 2 2-Chlorophenol | 128 | 4.187 | 4.163 | (0.957) | 1377094 | 120.000 | 120 |
| | 113 n-decane | 43 | 4.222 | 4.210 | (0.965) | 1084032 | 120.000 | 110 |
| | 21 1,3-Dichlorobenzene | 146 | 4.328 | 4.310 | (0.989) | 1651179 | 120.000 | 120 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.375 | 4.369 | (1.000) | 354405 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.399 | 4.381 | (1.005) | 1640069 | 120.000 | 120 |
| | 74 Benzyl Alcohol | 108 | 4.534 | 4.510 | (1.036) | 827317 | 120.000 | 120 |
| | 23 1,2-Dichlorobenzene | 146 | 4.551 | 4.540 | (1.040) | 1498258 | 120.000 | 120 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.646 | 4.628 | (1.062) | 1089151 | 120.000 | 120 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.657 | 4.640 | (1.065) | 1201919 | 120.000 | 120 |
| | 104 Acetophenone | 105 | 4.798 | 4.775 | (1.097) | 1545669 | 120.000 | 120 |
| | 4 4-Methylphenol | 108 | 4.816 | 4.781 | (1.101) | 1048053 | 120.000 | 120(H) |
| | 124 3 & 4 methylphenol | 108 | 4.816 | 4.781 | (1.101) | 1048053 | 120.000 | 120(H) |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.834 | 4.781 | (1.105) | 809352 | 120.000 | 120(M) |
| | 26 Hexachloroethane | 117 | 4.887 | 4.881 | (1.117) | 618458 | 120.000 | 110 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.946 | 4.928 | (0.874) | 1314074 | 120.000 | 120 |
| | 27 Nitrobenzene | 77 | 4.975 | 4.951 | (0.879) | 1621580 | 120.000 | 110 |
| | 107 N,N-Dimethylaniline | 120 | 4.969 | 4.951 | (1.136) | 1893597 | 120.000 | 110 |
| | 28 Isophorone | 82 | 5.216 | 5.187 | (0.922) | 2322542 | 120.000 | 120 |
| | 5 2-Nitrophenol | 139 | 5.281 | 5.263 | (0.933) | 727622 | 120.000 | 120 |
| | 6 2,4-Dimethylphenol | 122 | 5.340 | 5.316 | (0.944) | 1056241 | 120.000 | 120 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.422 | 5.404 | (0.958) | 1395139 | 120.000 | 120 |
| | 15 Benzoic Acid | 122 | 5.522 | 5.445 | (0.976) | 538126 | 120.000 | 140(AH) |
| | 7 2,4-Dichlorophenol | 162 | 5.528 | 5.510 | (0.977) | 963622 | 120.000 | 120 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.604 | 5.592 | (0.991) | 1191796 | 120.000 | 120 |
| * | 80 Naphthalene-d8 | 136 | 5.657 | 5.651 | (1.000) | 1248288 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.681 | 5.669 | (1.004) | 3664161 | 120.000 | 120 |
| | 32 4-Chloroaniline | 127 | 5.740 | 5.728 | (1.015) | 1311708 | 120.000 | 110 |
| | 33 Hexachlorobutadiene | 225 | 5.810 | 5.804 | (1.027) | 701717 | 120.000 | 120 |
| | 111 Caprolactam | 113 | 6.175 | 6.104 | (1.091) | 260460 | 120.000 | 110(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 6.245 | 6.228 | (1.104) | 927273 | 120.000 | 110 |
| | 34 2-Methylnaphthalene | 142 | 6.375 | 6.363 | (1.127) | 2200886 | 120.000 | 120 |
| | 120 1-Methylnaphthalene | 142 | 6.475 | 6.463 | (1.145) | 2180677 | 120.000 | 120 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 731087 | 120.000 | 120(A) |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.587 | 6.575 | (1.164) | 1433683 | 120.000 | 120 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.663 | 6.651 | (0.899) | 660209 | 120.000 | 120(A) |
| | 10 2,4,5-Trichlorophenol | 196 | 6.710 | 6.692 | (0.906) | 586445 | 120.000 | 120 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.745 | 6.734 | (0.910) | 2268540 | 120.000 | 120(A) |
| | 102 Diphenyl | 154 | 6.845 | 6.834 | (0.924) | 2452845 | 120.000 | 120 |
| | 36 2-Chloronaphthalene | 162 | 6.863 | 6.851 | (0.926) | 1974226 | 120.000 | 120 |
| | 103 Diphenyl Ether | 170 | 6.945 | 6.939 | (0.937) | 1383756 | 120.000 | 120 |
| | 37 2-Nitroaniline | 65 | 6.969 | 6.957 | (0.940) | 527018 | 120.000 | 100 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.081 | 7.069 | (0.956) | 1587692 | 120.000 | 120 |
| | 38 Dimethylphthalate | 163 | 7.151 | 7.139 | (0.965) | 1882636 | 120.000 | 120 |
| | 114 Coumarin | 146 | 7.175 | 7.157 | (0.968) | 584123 | 120.000 | 110 |
| | 40 2,6-Dinitrotoluene | 165 | 7.210 | 7.198 | (0.973) | 439294 | 120.000 | 120 |
| | 39 Acenaphthylene | 152 | 7.275 | 7.263 | (0.982) | 2914889 | 120.000 | 120 |
| | 41 3-Nitroaniline | 138 | 7.381 | 7.363 | (0.996) | 410099 | 120.000 | 110 |
| * | 82 Acenaphthene-d10 | 164 | 7.410 | 7.404 | (1.000) | 550762 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.445 | 7.439 | (1.005) | 1675881 | 120.000 | 120 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.434 | 7.428 | (1.003) | 1609603 | 120.000 | 120 |
| | 11 2,4-Dinitrophenol | 184 | 7.475 | 7.463 | (1.009) | 218711 | 120.000 | 120(A) |
| | 12 4-Nitrophenol | 65 | 7.551 | 7.534 | (1.019) | 270689 | 120.000 | 110 |
| | 44 2,4-Dinitrotoluene | 165 | 7.604 | 7.592 | (1.026) | 487361 | 120.000 | 110 |
| | 43 Dibenzofuran | 168 | 7.616 | 7.604 | (1.028) | 2403485 | 120.000 | 120 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 45 Diethylphthalate | 149 | 7.845 | 7.833 | (1.059) | 1738006 | 120.000 | 110 |
| | 47 Fluorene | 166 | 7.951 | 7.945 | (1.073) | 1780962 | 120.000 | 110 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.951 | 7.945 | (1.073) | 902872 | 120.000 | 120 |
| | 48 4-Nitroaniline | 138 | 7.987 | 7.969 | (1.078) | 326364 | 120.000 | 110 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 8.010 | 7.998 | (0.903) | 237896 | 120.000 | 120(A) |
| | 49 N-Nitrosodiphenylamine | 169 | 8.075 | 8.063 | (0.910) | 1298806 | 120.000 | 130(A) |
| | 75 1,2-Diphenylhydrazine | 77 | 8.110 | 8.098 | (0.914) | 1999592 | 120.000 | 120 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.192 | 8.181 | (1.106) | 218506 | 120.000 | 120 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.434 | 8.422 | (0.951) | 503414 | 120.000 | 120(A) |
| | 51 Hexachlorobenzene | 284 | 8.504 | 8.492 | (0.959) | 481290 | 120.000 | 120(A) |
| | 112 Atrazine | 200 | 8.598 | 8.586 | (0.969) | 284700 | 120.000 | 110 |
| | 14 Pentachlorophenol | 266 | 8.692 | 8.686 | (0.980) | 233590 | 120.000 | 120(A) |
| | 115 n-Octadecane | 57 | 8.769 | 8.763 | (0.989) | 1048327 | 120.000 | 120 |
| * | 83 Phenanthrene-d10 | 188 | 8.869 | 8.869 | (1.000) | 611441 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.898 | 8.892 | (1.003) | 1996374 | 120.000 | 120 |
| | 53 Anthracene | 178 | 8.951 | 8.939 | (1.009) | 1998241 | 120.000 | 120 |
| | 54 Carbazole | 167 | 9.104 | 9.098 | (1.027) | 1460421 | 120.000 | 110 |
| | 55 Di-n-butylphthalate | 149 | 9.445 | 9.439 | (1.065) | 2023426 | 120.000 | 120 |
| | 56 Fluoranthene | 202 | 10.063 | 10.063 | (1.135) | 1520091 | 120.000 | 120 |
| | 58 Benzidine | 184 | 10.192 | 10.186 | (1.149) | 62323 | 120.000 | 36 |
| | 57 Pyrene | 202 | 10.292 | 10.286 | (0.884) | 1440086 | 120.000 | 120 |
| $ | 78 Terphenyl-d14 | 244 | 10.445 | 10.439 | (0.897) | 952090 | 120.000 | 120(A) |
| | 59 Butylbenzylphthalate | 149 | 10.975 | 10.969 | (0.943) | 575535 | 120.000 | 120(A) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.592 | 11.592 | (0.996) | 221150 | 120.000 | 110 |
| | 61 Benzo(a)anthracene | 228 | 11.627 | 11.621 | (0.999) | 935829 | 120.000 | 120(A) |
| * | 81 Chrysene-d12 | 240 | 11.639 | 11.633 | (1.000) | 282115 | 40.0000 | |
| | 62 Chrysene | 228 | 11.674 | 11.669 | (1.003) | 869967 | 120.000 | 120 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.663 | 11.663 | (1.002) | 745248 | 120.000 | 120(A) |
| | 64 Di-n-octylphthalate | 149 | 12.521 | 12.521 | (0.924) | 1050631 | 120.000 | 120(A) |
| | 65 Benzo(b)fluoranthene | 252 | 13.039 | 13.027 | (0.962) | 712939 | 120.000 | 120(A) |
| | 66 Benzo(k)fluoranthene | 252 | 13.074 | 13.068 | (0.964) | 714917 | 120.000 | 120 |
| | 67 Benzo(a)pyrene | 252 | 13.480 | 13.474 | (0.994) | 597899 | 120.000 | 120(A) |
| * | 84 Perylene-d12 | 264 | 13.557 | 13.551 | (1.000) | 189694 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.086 | 15.074 | (1.113) | 564813 | 120.000 | 130(A) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.121 | 15.110 | (1.115) | 566236 | 120.000 | 120(A) |
| | 70 Benzo(g,h,i)perylene | 276 | 15.510 | 15.498 | (1.144) | 570730 | 120.000 | 120(A) |

QC Flag Legend

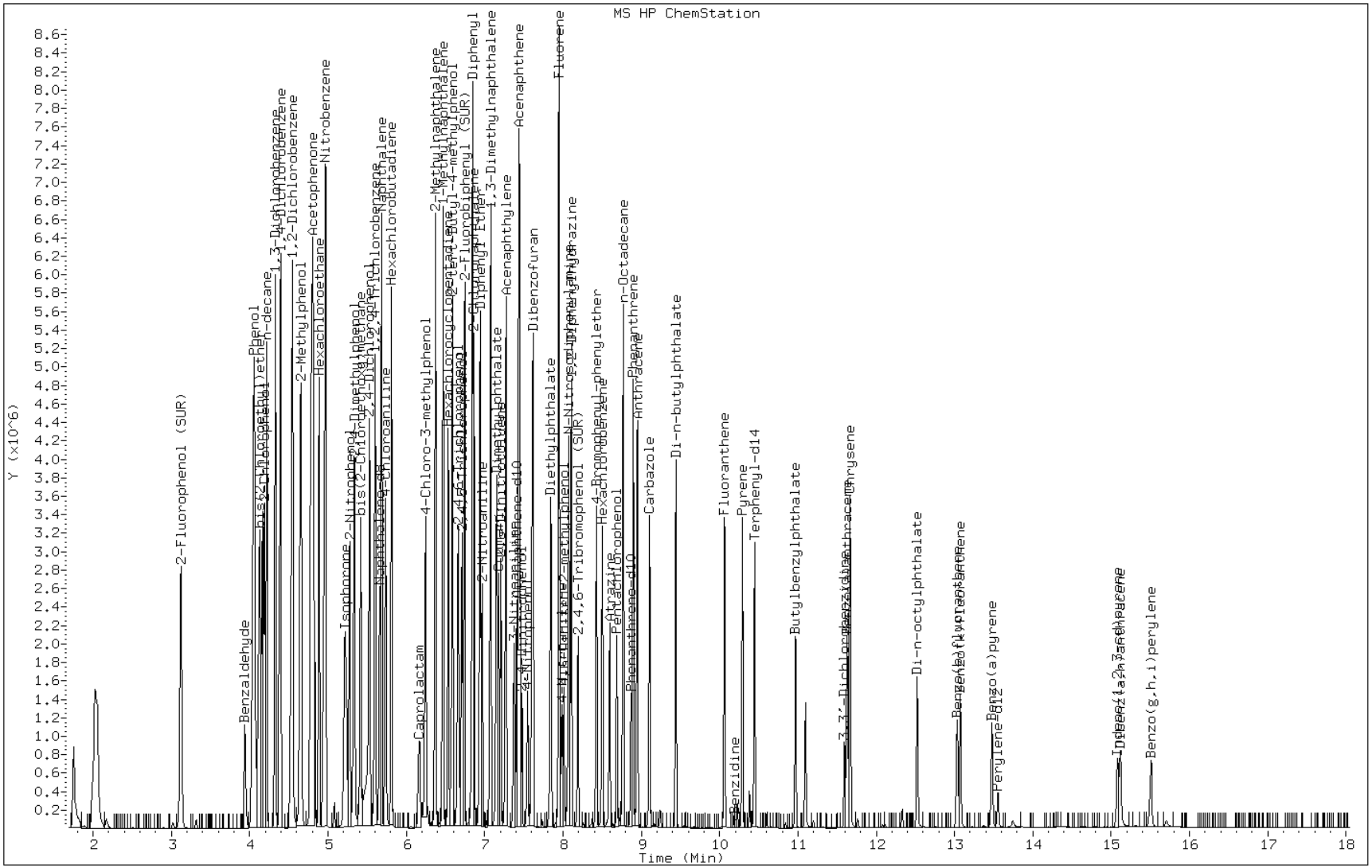
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4011.d

Date: 21-SEP-2009 02:22

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154124 Operator: BNAMS 4



Manual Integration Report

Data File: z4011.d
Inj. Date and Time: 21-SEP-2009 02:22
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/21/2009

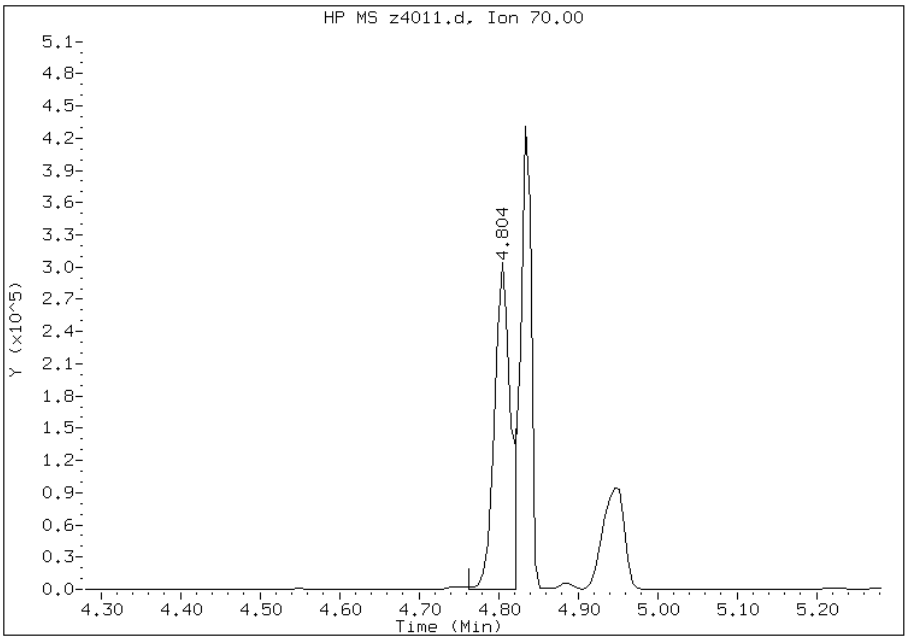
Processing Integration Results

RT: 4.80

Response: 449680

Amount: 101

Conc: 101



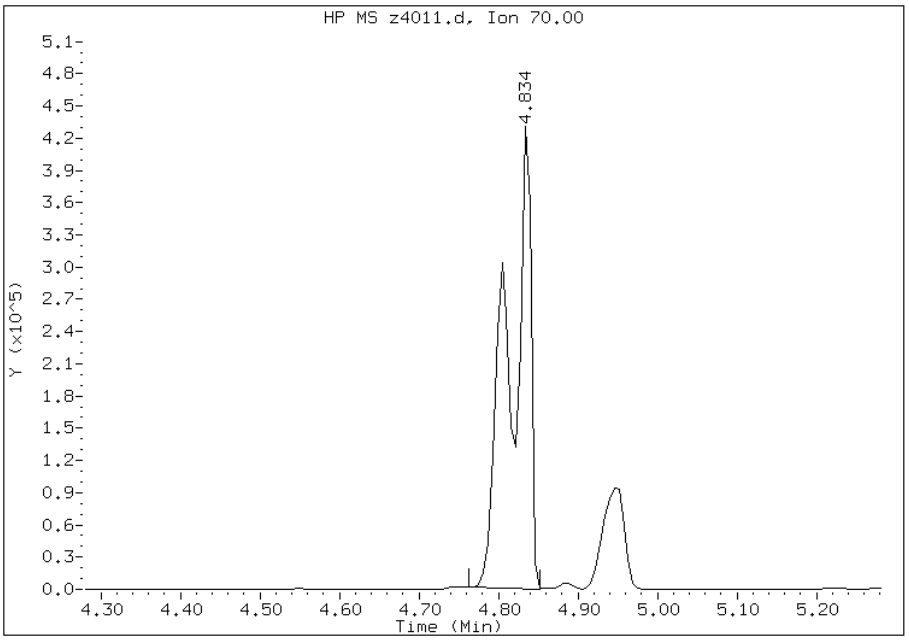

Manual Integration Results

RT: 4.83

Response: 809352

Amount: 120

Conc: 120




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Lab Smp Id: IC-154121
Inj Date : 21-SEP-2009 02:46
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154121
Misc Info : 5 ppmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.934 | 1.928 | (0.443) | 37652 | 5.00000 | 5.2(H) |
| | 71 Pyridine | 79 | 1.969 | 1.957 | (0.451) | 69544 | 5.00000 | 5.4(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 66155 | 5.00000 | 5.6 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 32083 | 5.00000 | 6.0 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.992 | 4.010 | (0.915) | 73205 | 5.00000 | 5.7 |
| | 1 Phenol | 94 | 4.004 | 4.022 | (0.918) | 81553 | 5.00000 | 5.6(H) |
| | 73 Aniline | 93 | 4.028 | 4.040 | (0.923) | 94178 | 5.00000 | 5.6 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.092 | 4.098 | (0.938) | 6439 | 0.50000 | 0.52 |
| | 2 2-Chlorophenol | 128 | 4.151 | 4.163 | (0.951) | 68005 | 5.00000 | 5.5 |
| | 113 n-decane | 43 | 4.204 | 4.210 | (0.964) | 61548 | 5.00000 | 5.8 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 79882 | 5.00000 | 5.4 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 353801 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 80134 | 5.00000 | 5.4 |
| | 74 Benzyl Alcohol | 108 | 4.498 | 4.510 | (1.031) | 37367 | 5.00000 | 5.2(H) |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 76430 | 5.00000 | 5.6 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| 3 | 2-Methylphenol | 108 | 4.616 | 4.628 | (1.058) | 57933 | 5.00000 | 5.8(H) |
| 24 | bis (2-chloroisopropyl) ether | 45 | 4.634 | 4.640 | (1.062) | 76310 | 5.00000 | 4.9(a) |
| 104 | Acetophenone | 105 | 4.763 | 4.775 | (1.092) | 89465 | 5.00000 | 6.0 |
| 4 | 4-Methylphenol | 108 | 4.769 | 4.781 | (1.093) | 65573 | 5.00000 | 7.3 |
| 124 | 3 & 4 methylphenol | 108 | 4.769 | 4.781 | (1.093) | 65674 | 5.00000 | 7.3(a) |
| 25 | N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.781 | (1.093) | 4292 | 0.50000 | 0.58 |
| 26 | Hexachloroethane | 117 | 4.875 | 4.881 | (1.117) | 2964 | 0.50000 | 0.53 |
| $ 76 | Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.928 | (0.871) | 63355 | 5.00000 | 5.2 |
| 27 | Nitrobenzene | 77 | 4.934 | 4.951 | (0.874) | 10179 | 0.50000 | 0.60 |
| 107 | N,N-Dimethylaniline | 120 | 4.939 | 4.951 | (1.132) | 11644 | 0.50000 | 0.62 |
| 28 | Isophorone | 82 | 5.175 | 5.187 | (0.917) | 111863 | 5.00000 | 5.3 |
| 5 | 2-Nitrophenol | 139 | 5.257 | 5.263 | (0.931) | 32833 | 5.00000 | 5.1 |
| 6 | 2,4-Dimethylphenol | 122 | 5.310 | 5.316 | (0.941) | 54968 | 5.00000 | 5.5 |
| 29 | bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.404 | (0.956) | 69228 | 5.00000 | 5.4 |
| 15 | Benzoic Acid | 122 | 5.375 | 5.445 | (0.952) | 14297 | 5.00000 | 3.8(aH) |
| 7 | 2,4-Dichlorophenol | 162 | 5.504 | 5.510 | (0.975) | 47438 | 5.00000 | 5.4 |
| 30 | 1,2,4-Trichlorobenzene | 180 | 5.586 | 5.592 | (0.990) | 6144 | 0.50000 | 0.55 |
| * 80 | Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1304352 | 40.0000 | |
| 31 | Naphthalene | 128 | 5.663 | 5.669 | (1.003) | 188531 | 5.00000 | 5.4 |
| 32 | 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 70216 | 5.00000 | 5.5 |
| 33 | Hexachlorobutadiene | 225 | 5.798 | 5.804 | (1.027) | 7270 | 1.00000 | 1.1 |
| 111 | Caprolactam | 113 | 6.045 | 6.104 | (1.071) | 12491 | 5.00000 | 5.0(H) |
| 8 | 4-Chloro-3-methylphenol | 107 | 6.216 | 6.228 | (1.101) | 47490 | 5.00000 | 5.4 |
| 34 | 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 117443 | 5.00000 | 5.6 |
| 120 | 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 113011 | 5.00000 | 5.5 |
| 35 | Hexachlorocyclopentadiene | 237 | 6.528 | 6.534 | (0.882) | 27978 | 5.00000 | 4.4(a) |
| 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.575 | (1.164) | 75186 | 5.00000 | 5.5 |
| 9 | 2,4,6-Trichlorophenol | 196 | 6.645 | 6.651 | (0.898) | 30074 | 5.00000 | 5.0 |
| 10 | 2,4,5-Trichlorophenol | 196 | 6.681 | 6.692 | (0.903) | 30928 | 5.00000 | 5.3 |
| $ 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.734 | (0.909) | 115532 | 5.00000 | 5.3 |
| 102 | Diphenyl | 154 | 6.828 | 6.834 | (0.923) | 131403 | 5.00000 | 5.4 |
| 36 | 2-Chloronaphthalene | 162 | 6.845 | 6.851 | (0.925) | 104352 | 5.00000 | 5.3 |
| 103 | Diphenyl Ether | 170 | 6.933 | 6.939 | (0.937) | 70858 | 5.00000 | 5.2 |
| 37 | 2-Nitroaniline | 65 | 6.945 | 6.957 | (0.939) | 62516 | 10.0000 | 10 |
| 123 | 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.069 | (0.955) | 81694 | 5.00000 | 5.2 |
| 38 | Dimethylphthalate | 163 | 7.128 | 7.139 | (0.963) | 103749 | 5.00000 | 5.4 |
| 114 | Coumarin | 146 | 7.151 | 7.157 | (0.967) | 32627 | 5.00000 | 5.4 |
| 40 | 2,6-Dinitrotoluene | 165 | 7.186 | 7.198 | (0.971) | 4205 | 1.00000 | 0.99(a) |
| 39 | Acenaphthylene | 152 | 7.257 | 7.263 | (0.981) | 157776 | 5.00000 | 5.3 |
| 41 | 3-Nitroaniline | 138 | 7.351 | 7.363 | (0.994) | 46637 | 10.0000 | 11 |
| * 82 | Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 622000 | 40.0000 | |
| 42 | Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 94442 | 5.00000 | 5.5 |
| 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.428 | (1.003) | 84500 | 5.00000 | 5.4 |
| 11 | 2,4-Dinitrophenol | 184 | 7.451 | 7.463 | (1.007) | 18081 | 15.0000 | 11(a) |
| 12 | 4-Nitrophenol | 65 | 7.528 | 7.534 | (1.017) | 41434 | 15.0000 | 15 |
| 44 | 2,4-Dinitrotoluene | 165 | 7.580 | 7.592 | (1.025) | 5146 | 1.00000 | 1.0 |
| 43 | Dibenzofuran | 168 | 7.598 | 7.604 | (1.027) | 133333 | 5.00000 | 5.5 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.828 | 7.833 | (1.058) | 94504 | 5.00000 | 5.3 |
| | 47 Fluorene | 166 | 7.939 | 7.945 | (1.073) | 102027 | 5.00000 | 5.5 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.945 | (1.073) | 49575 | 5.00000 | 5.5 |
| | 48 4-Nitroaniline | 138 | 7.951 | 7.969 | (1.075) | 40667 | 10.0000 | 11 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.998 | (0.901) | 26743 | 15.0000 | 12(a) |
| | 49 N-Nitrosodiphenylamine | 169 | 8.051 | 8.063 | (0.908) | 61735 | 5.00000 | 4.9(a) |
| | 75 1,2-Diphenylhydrazine | 77 | 8.092 | 8.098 | (0.913) | 112823 | 5.00000 | 5.2 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.181 | (1.105) | 11041 | 5.00000 | 5.1 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.416 | 8.422 | (0.950) | 25755 | 5.00000 | 5.0 |
| | 51 Hexachlorobenzene | 284 | 8.486 | 8.492 | (0.958) | 2525 | 0.50000 | 0.50 |
| | 112 Atrazine | 200 | 8.575 | 8.586 | (0.967) | 20040 | 5.00000 | 5.6 |
| | 14 Pentachlorophenol | 266 | 8.680 | 8.686 | (0.979) | 27733 | 15.0000 | 13(a) |
| | 115 n-Octadecane | 57 | 8.757 | 8.763 | (0.988) | 59069 | 5.00000 | 5.2 |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 776359 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.886 | 8.892 | (1.003) | 117592 | 5.00000 | 5.3 |
| | 53 Anthracene | 178 | 8.933 | 8.939 | (1.008) | 118608 | 5.00000 | 5.3 |
| | 54 Carbazole | 167 | 9.092 | 9.098 | (1.026) | 94215 | 5.00000 | 5.5 |
| | 55 Di-n-butylphthalate | 149 | 9.433 | 9.439 | (1.064) | 113002 | 5.00000 | 5.1 |
| | 56 Fluoranthene | 202 | 10.051 | 10.063 | (1.134) | 92223 | 5.00000 | 5.3 |
| | 58 Benzidine | 184 | 10.180 | 10.186 | (1.149) | 8462 | 5.00000 | 4.3(a) |
| | 57 Pyrene | 202 | 10.280 | 10.286 | (0.884) | 91826 | 5.00000 | 5.2 |
| $ | 78 Terphenyl-d14 | 244 | 10.433 | 10.439 | (0.897) | 57956 | 5.00000 | 5.2 |
| | 59 Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.943) | 29442 | 5.00000 | 4.6(a) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 28797 | 10.0000 | 10 |
| | 61 Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.999) | 6243 | 0.50000 | 0.55 |
| * | 81 Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 394294 | 40.0000 | |
| | 62 Chrysene | 228 | 11.657 | 11.669 | (1.003) | 54659 | 5.00000 | 5.2 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.003) | 38681 | 5.00000 | 4.7(a) |
| | 64 Di-n-octylphthalate | 149 | 12.515 | 12.521 | (0.924) | 37779 | 5.00000 | 4.0(a) |
| | 65 Benzo(b)fluoranthene | 252 | 13.021 | 13.027 | (0.961) | 2855 | 0.50000 | 0.43(a) |
| | 66 Benzo(k)fluoranthene | 252 | 13.057 | 13.068 | (0.964) | 2827 | 0.50000 | 0.41(a) |
| | 67 Benzo(a)pyrene | 252 | 13.462 | 13.474 | (0.994) | 2237 | 0.50000 | 0.40(a) |
| * | 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 234336 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.068 | 15.074 | (1.112) | 2522 | 0.50000 | 0.47(aM) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.109 | 15.110 | (1.115) | 2064 | 0.50000 | 0.40(aM) |
| | 70 Benzo(g,h,i)perylene | 276 | 15.480 | 15.498 | (1.143) | 22776 | 5.00000 | 4.3(a) |

QC Flag Legend

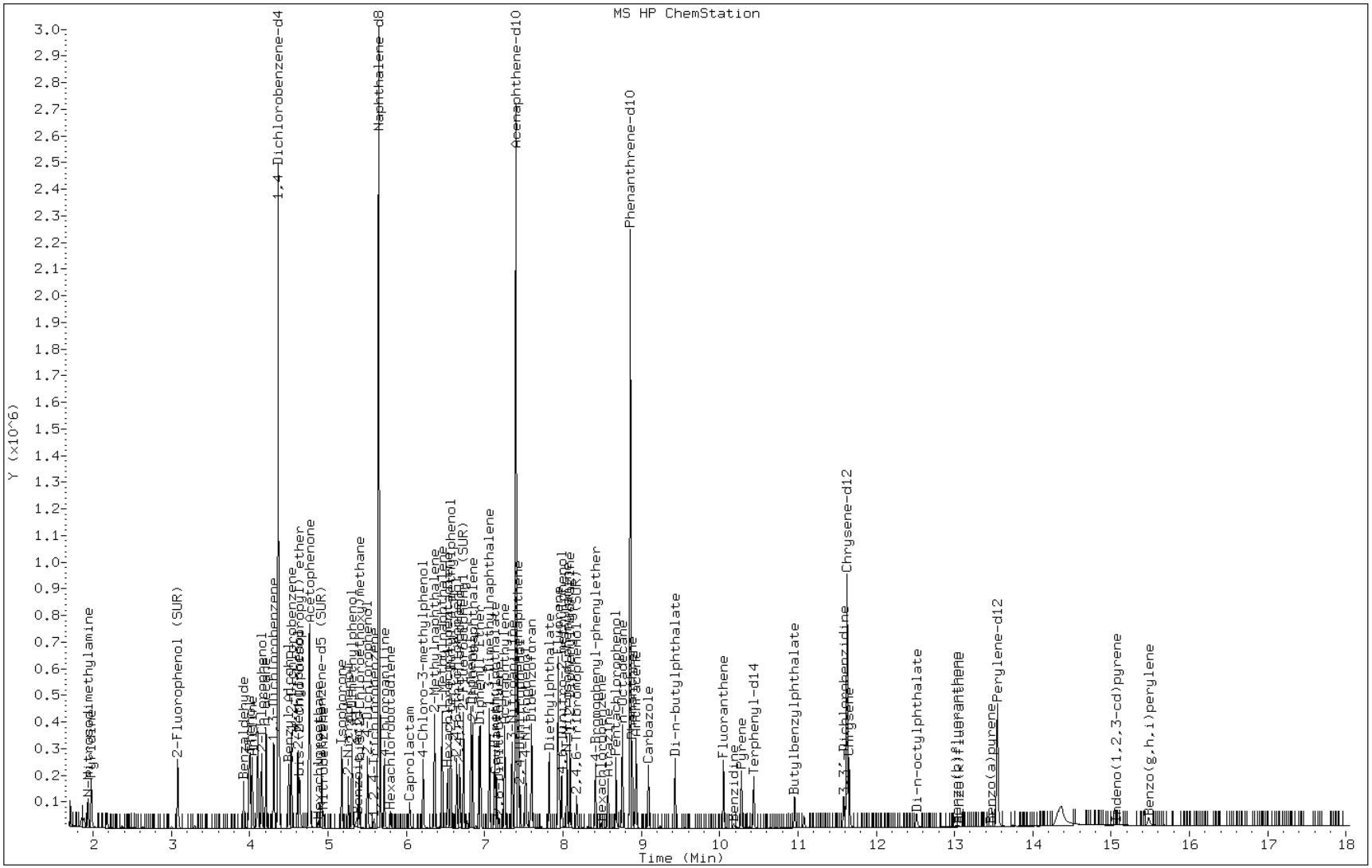
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4012.d

Date: 21-SEP-2009 02:46

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154121 Operator: BNAMS 4



# Manual Integration Report

Data File: z4012.d
Inj. Date and Time: 21-SEP-2009 02:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 09/21/2009

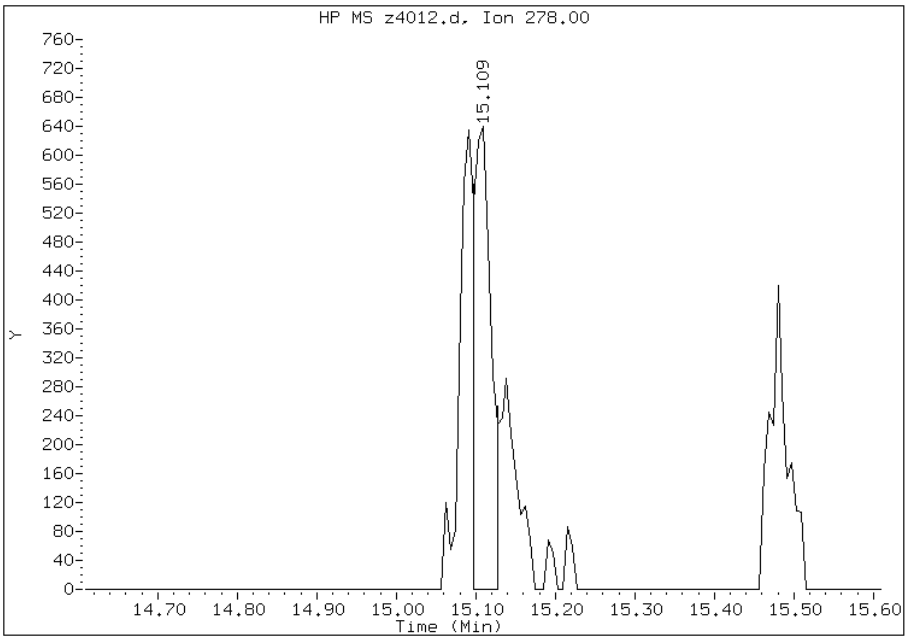
## Processing Integration Results

RT: 15.11

Response: 986

Amount: 0

Conc: 0



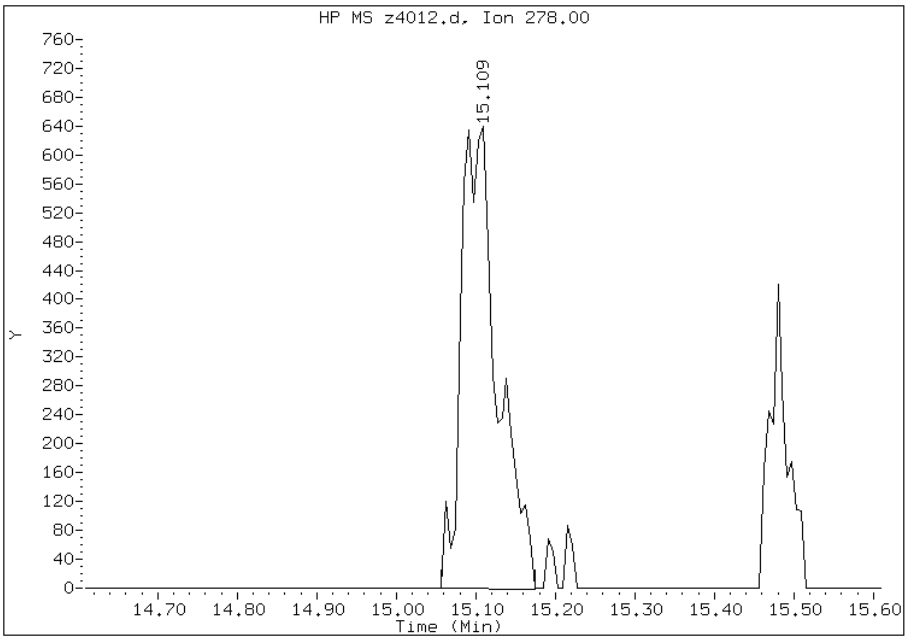

## Manual Integration Results

RT: 15.11

Response: 2064

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z4012.d
Inj. Date and Time: 21-SEP-2009 02:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

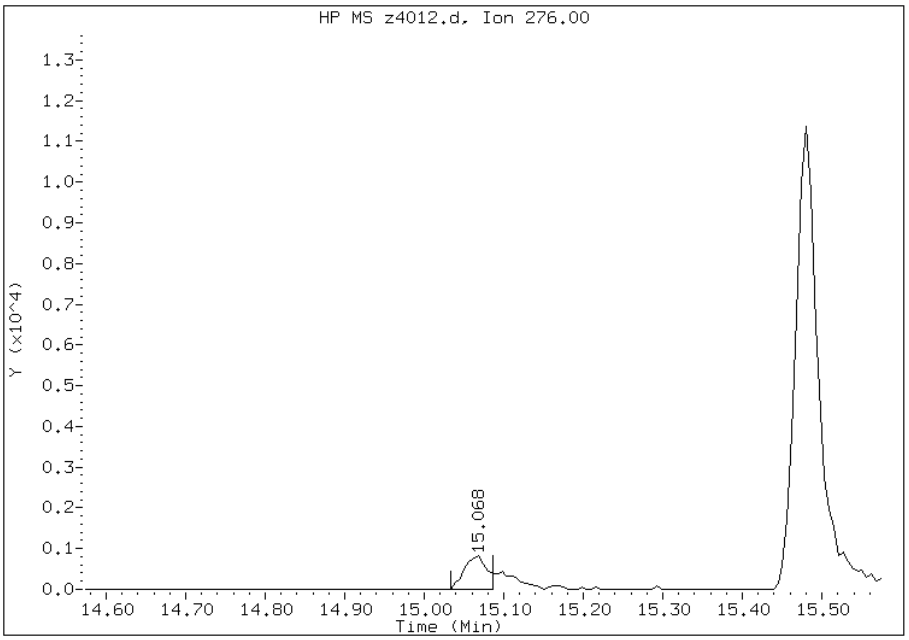
Processing Integration Results

RT: 15.07

Response: 1649

Amount: 0

Conc: 0



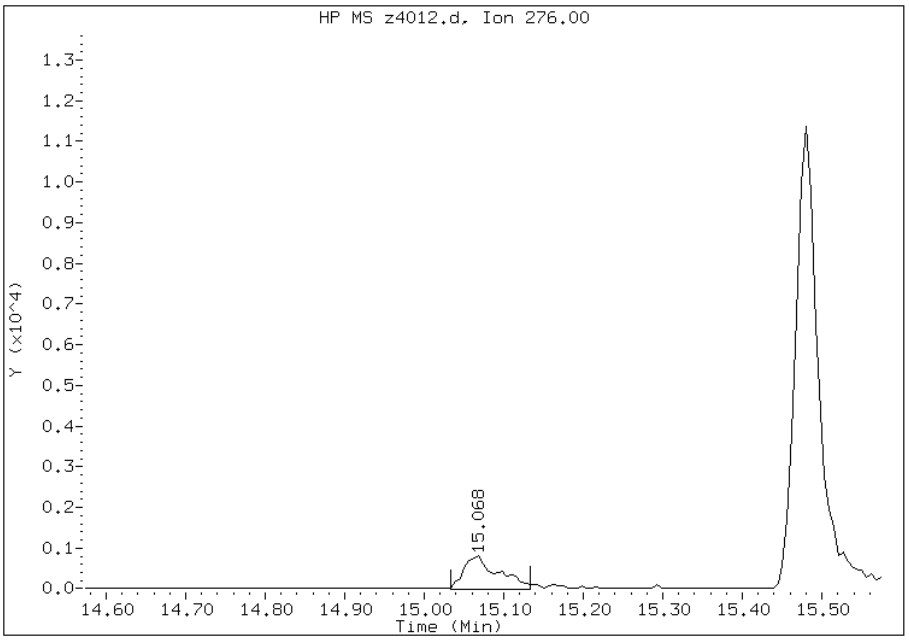

Manual Integration Results

RT: 15.07

Response: 2522

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Lab Smp Id: IC-154123
Inj Date : 21-SEP-2009 03:10
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154123
Misc Info : 80 ppmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.957 | 1.928 | (0.448) | 546145 | 80.0000 | 79 |
| | 71 Pyridine | 79 | 1.987 | 1.957 | (0.455) | 948960 | 80.0000 | 77 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.098 | 3.081 | (0.709) | 862452 | 80.0000 | 76 |
| | 110 Benzaldehyde | 77 | 3.934 | 3.922 | (0.900) | 328188 | 80.0000 | 67 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.028 | 4.010 | (0.922) | 937685 | 80.0000 | 77 |
| | 1 Phenol | 94 | 4.040 | 4.022 | (0.925) | 1040377 | 80.0000 | 76 |
| | 73 Aniline | 93 | 4.051 | 4.040 | (0.927) | 1198721 | 80.0000 | 76 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.116 | 4.098 | (0.942) | 904415 | 80.0000 | 77 |
| | 2 2-Chlorophenol | 128 | 4.175 | 4.163 | (0.956) | 915115 | 80.0000 | 78 |
| | 113 n-decane | 43 | 4.216 | 4.210 | (0.965) | 706245 | 80.0000 | 72 |
| | 21 1,3-Dichlorobenzene | 146 | 4.322 | 4.310 | (0.989) | 1081836 | 80.0000 | 77 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.369 | (1.000) | 339720 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.393 | 4.381 | (1.005) | 1075906 | 80.0000 | 77 |
| | 74 Benzyl Alcohol | 108 | 4.522 | 4.510 | (1.035) | 548858 | 80.0000 | 80 |
| | 23 1,2-Dichlorobenzene | 146 | 4.545 | 4.540 | (1.040) | 992064 | 80.0000 | 76 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 2-Methylphenol | 108 | 4.640 | 4.628 | (1.062) | 723736 | 80.0000 | 76 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.645 | 4.640 | (1.063) | 826670 | 80.0000 | 78 |
| | 104 Acetophenone | 105 | 4.787 | 4.775 | (1.096) | 1015692 | 80.0000 | 73 |
| | 4 4-Methylphenol | 108 | 4.798 | 4.781 | (1.098) | 696890 | 80.0000 | 81 |
| | 124 3 & 4 methylphenol | 108 | 4.798 | 4.781 | (1.098) | 696890 | 80.0000 | 81 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.792 | 4.781 | (1.097) | 521846 | 80.0000 | 75(M) |
| | 26 Hexachloroethane | 117 | 4.881 | 4.881 | (1.117) | 414316 | 80.0000 | 78 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.934 | 4.928 | (0.873) | 873681 | 80.0000 | 79 |
| | 27 Nitrobenzene | 77 | 4.963 | 4.951 | (0.878) | 1130187 | 80.0000 | 74 |
| | 107 N,N-Dimethylaniline | 120 | 4.963 | 4.951 | (1.136) | 1267606 | 80.0000 | 72 |
| | 28 Isophorone | 82 | 5.198 | 5.187 | (0.920) | 1527490 | 80.0000 | 79 |
| | 5 2-Nitrophenol | 139 | 5.269 | 5.263 | (0.932) | 475308 | 80.0000 | 80 |
| | 6 2,4-Dimethylphenol | 122 | 5.328 | 5.316 | (0.943) | 711303 | 80.0000 | 78 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.410 | 5.404 | (0.957) | 908378 | 80.0000 | 77 |
| | 15 Benzoic Acid | 122 | 5.487 | 5.445 | (0.971) | 255656 | 80.0000 | 76(H) |
| | 7 2,4-Dichlorophenol | 162 | 5.522 | 5.510 | (0.977) | 629036 | 80.0000 | 78 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.598 | 5.592 | (0.991) | 770590 | 80.0000 | 76 |
| * | 80 Naphthalene-d8 | 136 | 5.651 | 5.651 | (1.000) | 1202623 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.675 | 5.669 | (1.004) | 2418938 | 80.0000 | 76 |
| | 32 4-Chloroaniline | 127 | 5.734 | 5.728 | (1.015) | 902218 | 80.0000 | 77 |
| | 33 Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.027) | 461034 | 80.0000 | 76 |
| | 111 Caprolactam | 113 | 6.139 | 6.104 | (1.086) | 192605 | 80.0000 | 83(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 6.234 | 6.228 | (1.103) | 650810 | 80.0000 | 80 |
| | 34 2-Methylnaphthalene | 142 | 6.369 | 6.363 | (1.127) | 1465874 | 80.0000 | 77 |
| | 120 1-Methylnaphthalene | 142 | 6.469 | 6.463 | (1.145) | 1408330 | 80.0000 | 76 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 468211 | 80.0000 | 81 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.581 | 6.575 | (1.164) | 955907 | 80.0000 | 77 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.657 | 6.651 | (0.899) | 412655 | 80.0000 | 78 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.698 | 6.692 | (0.905) | 399068 | 80.0000 | 77 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.739 | 6.734 | (0.910) | 1475672 | 80.0000 | 76 |
| | 102 Diphenyl | 154 | 6.839 | 6.834 | (0.924) | 1658915 | 80.0000 | 76 |
| | 36 2-Chloronaphthalene | 162 | 6.857 | 6.851 | (0.926) | 1319610 | 80.0000 | 76 |
| | 103 Diphenyl Ether | 170 | 6.939 | 6.939 | (0.937) | 922091 | 80.0000 | 77 |
| | 37 2-Nitroaniline | 65 | 6.963 | 6.957 | (0.940) | 376556 | 80.0000 | 73(H) |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.075 | 7.069 | (0.956) | 1059390 | 80.0000 | 77 |
| | 38 Dimethylphthalate | 163 | 7.145 | 7.139 | (0.965) | 1294306 | 80.0000 | 76 |
| | 114 Coumarin | 146 | 7.169 | 7.157 | (0.968) | 396764 | 80.0000 | 75 |
| | 40 2,6-Dinitrotoluene | 165 | 7.204 | 7.198 | (0.973) | 303961 | 80.0000 | 80 |
| | 39 Acenaphthylene | 152 | 7.269 | 7.263 | (0.982) | 2008252 | 80.0000 | 77 |
| | 41 3-Nitroaniline | 138 | 7.369 | 7.363 | (0.995) | 286762 | 80.0000 | 76 |
| * | 82 Acenaphthene-d10 | 164 | 7.404 | 7.404 | (1.000) | 557514 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.439 | 7.439 | (1.005) | 1144433 | 80.0000 | 76 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.428 | 7.428 | (1.003) | 1079099 | 80.0000 | 77 |
| | 11 2,4-Dinitrophenol | 184 | 7.469 | 7.463 | (1.009) | 140182 | 80.0000 | 82 |
| | 12 4-Nitrophenol | 65 | 7.539 | 7.534 | (1.018) | 190379 | 80.0000 | 79 |
| | 44 2,4-Dinitrotoluene | 165 | 7.598 | 7.592 | (1.026) | 345847 | 80.0000 | 78 |
| | 43 Dibenzofuran | 168 | 7.610 | 7.604 | (1.028) | 1632324 | 80.0000 | 76 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| 45 | Diethylphthalate | 149 | 7.839 | 7.833 | (1.059) | 1215774 | 80.0000 | 77 |
| 47 | Fluorene | 166 | 7.945 | 7.945 | (1.073) | 1245455 | 80.0000 | 76 |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.945 | 7.945 | (1.073) | 613287 | 80.0000 | 76 |
| 48 | 4-Nitroaniline | 138 | 7.975 | 7.969 | (1.077) | 232402 | 80.0000 | 73 |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.004 | 7.998 | (0.903) | 159949 | 80.0000 | 86 |
| 49 | N-Nitrosodiphenylamine | 169 | 8.063 | 8.063 | (0.910) | 760326 | 80.0000 | 75 |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.104 | 8.098 | (0.914) | 1424226 | 80.0000 | 80 |
| $ 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.186 | 8.181 | (1.106) | 148738 | 80.0000 | 78 |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.428 | 8.422 | (0.951) | 340944 | 80.0000 | 80 |
| 51 | Hexachlorobenzene | 284 | 8.498 | 8.492 | (0.959) | 325935 | 80.0000 | 80 |
| 112 | Atrazine | 200 | 8.592 | 8.586 | (0.969) | 218972 | 80.0000 | 76 |
| 14 | Pentachlorophenol | 266 | 8.686 | 8.686 | (0.980) | 158623 | 80.0000 | 86 |
| 115 | n-Octadecane | 57 | 8.763 | 8.763 | (0.989) | 725711 | 80.0000 | 78 |
| * 83 | Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 636584 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.892 | 8.892 | (1.003) | 1403274 | 80.0000 | 78 |
| 53 | Anthracene | 178 | 8.939 | 8.939 | (1.009) | 1428255 | 80.0000 | 78 |
| 54 | Carbazole | 167 | 9.098 | 9.098 | (1.027) | 1058881 | 80.0000 | 76 |
| 55 | Di-n-butylphthalate | 149 | 9.439 | 9.439 | (1.065) | 1445957 | 80.0000 | 79 |
| 56 | Fluoranthene | 202 | 10.057 | 10.063 | (1.135) | 1088818 | 80.0000 | 77 |
| 58 | Benzidine | 184 | 10.186 | 10.186 | (1.149) | 52976 | 80.0000 | 41 |
| 57 | Pyrene | 202 | 10.286 | 10.286 | (0.884) | 1052652 | 80.0000 | 77 |
| $ 78 | Terphenyl-d14 | 244 | 10.439 | 10.439 | (0.897) | 680843 | 80.0000 | 78 |
| 59 | Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.942) | 424579 | 80.0000 | 83 |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 168157 | 80.0000 | 76 |
| 61 | Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.998) | 686318 | 80.0000 | 77 |
| * 81 | Chrysene-d12 | 240 | 11.633 | 11.633 | (1.000) | 312350 | 40.0000 | |
| 62 | Chrysene | 228 | 11.663 | 11.669 | (1.003) | 641593 | 80.0000 | 78 |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.002) | 544062 | 80.0000 | 82 |
| 64 | Di-n-octylphthalate | 149 | 12.516 | 12.521 | (0.924) | 750884 | 80.0000 | 85 |
| 65 | Benzo(b)fluoranthene | 252 | 13.027 | 13.027 | (0.961) | 498741 | 80.0000 | 82 |
| 66 | Benzo(k)fluoranthene | 252 | 13.068 | 13.068 | (0.964) | 557859 | 80.0000 | 86 |
| 67 | Benzo(a)pyrene | 252 | 13.474 | 13.474 | (0.994) | 441215 | 80.0000 | 85 |
| * 84 | Perylene-d12 | 264 | 13.551 | 13.551 | (1.000) | 213618 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.074 | 15.074 | (1.112) | 409590 | 80.0000 | 83 |
| 69 | Dibenz(a,h)anthracene | 278 | 15.109 | 15.110 | (1.115) | 399058 | 80.0000 | 84 |
| 70 | Benzo(g,h,i)perylene | 276 | 15.498 | 15.498 | (1.144) | 400975 | 80.0000 | 82 |

QC Flag Legend

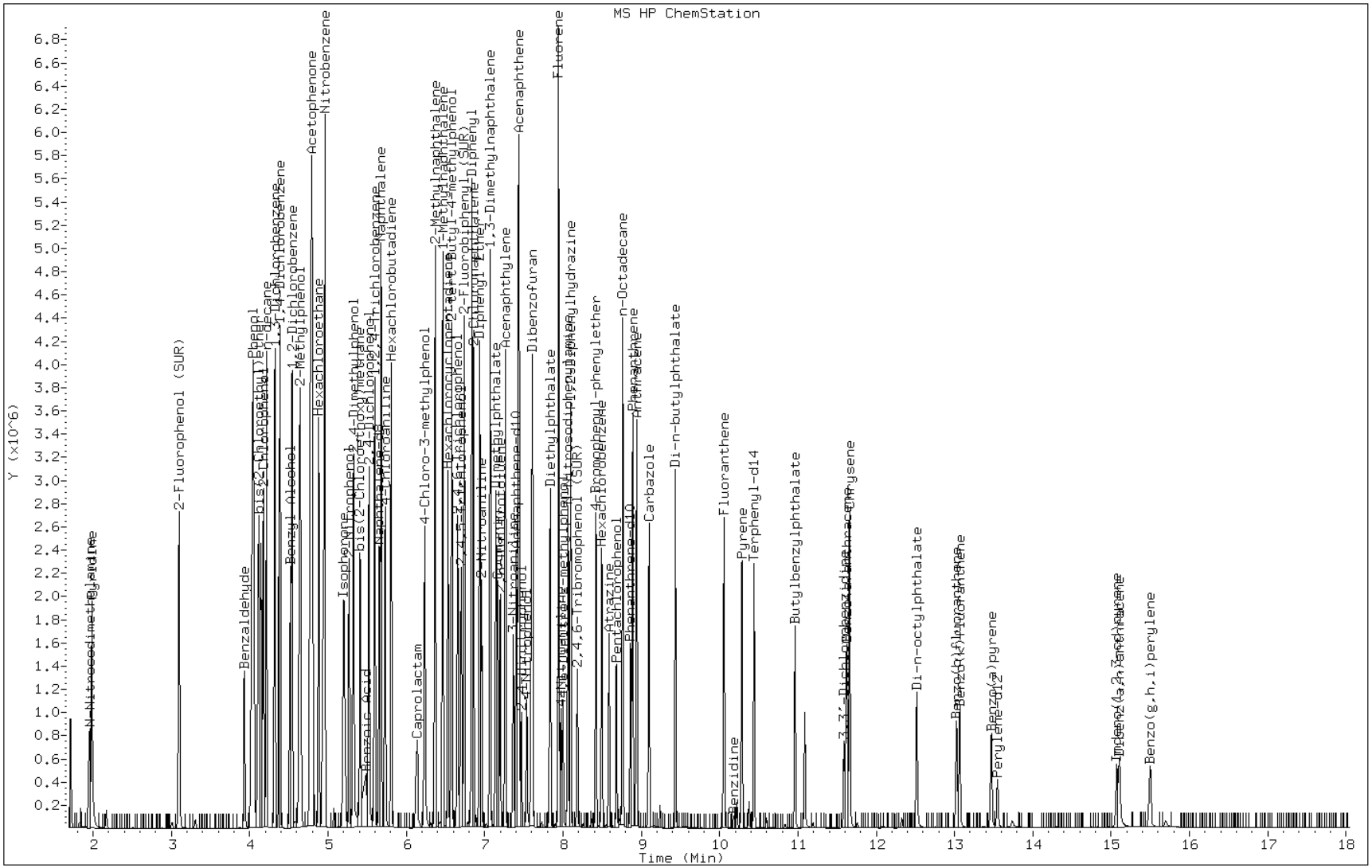
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4013.d

Date: 21-SEP-2009 03:10

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154123 Operator: BNAMS 4



# Manual Integration Report

Data File: z4013.d
Inj. Date and Time: 21-SEP-2009 03:10
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/21/2009

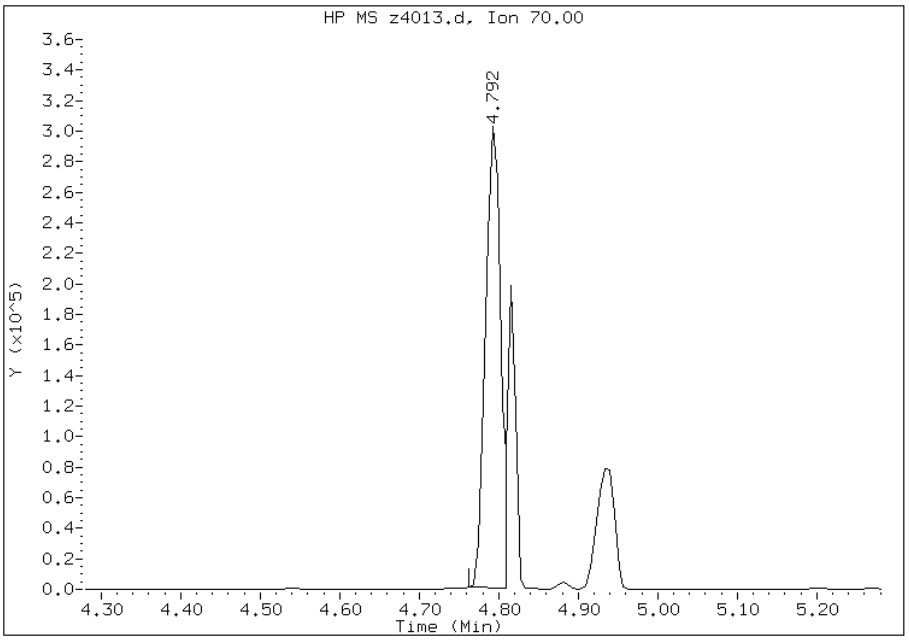
## Processing Integration Results

RT: 4.79

Response: 410721

Amount: 67

Conc: 67



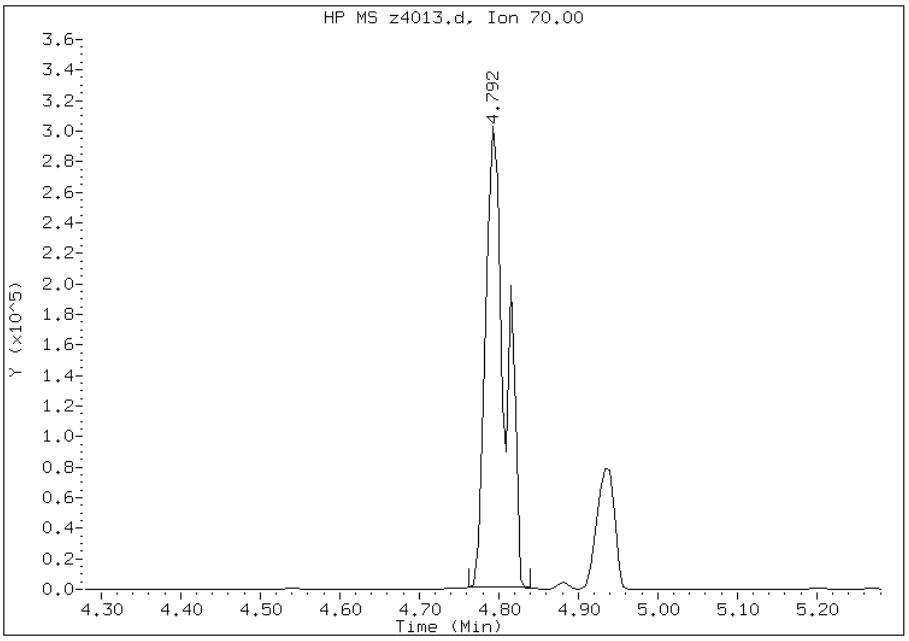

## Manual Integration Results

RT: 4.79

Response: 521846

Amount: 75

Conc: 75




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Lab Smp Id: IC-154122
Inj Date : 21-SEP-2009 03:34
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154122
Misc Info : 20 ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 07:05 asfawa Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.922 | 1.922 | (0.441) | 118921 | 20.0000 | 20(H) |
| | 71 Pyridine | 79 | 1.957 | 1.957 | (0.449) | 217697 | 20.0000 | 20 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 205419 | 20.0000 | 21 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 116727 | 20.0000 | 26 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.998 | 3.998 | (0.916) | 222156 | 20.0000 | 21 |
| | 1 Phenol | 94 | 4.010 | 4.010 | (0.919) | 252999 | 20.0000 | 21(H) |
| | 73 Aniline | 93 | 4.034 | 4.034 | (0.924) | 308283 | 20.0000 | 22 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.093 | 4.093 | (0.938) | 204476 | 20.0000 | 20 |
| | 2 2-Chlorophenol | 128 | 4.157 | 4.157 | (0.953) | 218026 | 20.0000 | 21 |
| | 113 n-decane | 43 | 4.210 | 4.210 | (0.965) | 194859 | 20.0000 | 22 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 250818 | 20.0000 | 20 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.363 | (1.000) | 293110 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 250403 | 20.0000 | 20 |
| | 74 Benzyl Alcohol | 108 | 4.498 | 4.498 | (1.031) | 120603 | 20.0000 | 20 |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.534 | (1.039) | 235149 | 20.0000 | 21 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 | 2-Methylphenol | 108 | 4.616 | 4.616 | (1.058) | 176472 | 20.0000 | 21 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.640 | 4.640 | (1.063) | 230806 | 20.0000 | 20 |
| | 104 | Acetophenone | 105 | 4.769 | 4.769 | (1.093) | 263818 | 20.0000 | 22 |
| | 4 | 4-Methylphenol | 108 | 4.769 | 4.769 | (1.093) | 187111 | 20.0000 | 25 |
| | 124 | 3 & 4 methylphenol | 108 | 4.769 | 4.769 | (1.093) | 187111 | 20.0000 | 25 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.769 | (1.093) | 125855 | 20.0000 | 21 |
| | 26 | Hexachloroethane | 117 | 4.875 | 4.875 | (1.117) | 98410 | 20.0000 | 21 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.916 | (0.871) | 209949 | 20.0000 | 21 |
| | 27 | Nitrobenzene | 77 | 4.940 | 4.940 | (0.875) | 289954 | 20.0000 | 21(H) |
| | 107 | N,N-Dimethylaniline | 120 | 4.945 | 4.945 | (1.133) | 313152 | 20.0000 | 21 |
| | 28 | Isophorone | 82 | 5.181 | 5.181 | (0.918) | 349801 | 20.0000 | 20 |
| | 5 | 2-Nitrophenol | 139 | 5.263 | 5.263 | (0.932) | 108343 | 20.0000 | 21 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.310 | 5.310 | (0.941) | 167543 | 20.0000 | 21 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.398 | (0.956) | 212265 | 20.0000 | 20 |
| | 15 | Benzoic Acid | 122 | 5.410 | 5.410 | (0.958) | 77050 | 20.0000 | 25(H) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.504 | 5.504 | (0.975) | 150573 | 20.0000 | 21 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.593 | 5.593 | (0.991) | 180194 | 20.0000 | 20 |
| * | 80 | Naphthalene-d8 | 136 | 5.645 | 5.645 | (1.000) | 1048427 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.669 | 5.669 | (1.004) | 577069 | 20.0000 | 21 |
| | 32 | 4-Chloroaniline | 127 | 5.722 | 5.722 | (1.014) | 221200 | 20.0000 | 21 |
| | 33 | Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.028) | 108420 | 20.0000 | 20 |
| | 111 | Caprolactam | 113 | 6.069 | 6.069 | (1.075) | 43052 | 20.0000 | 21(H) |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.216 | 6.216 | (1.101) | 148876 | 20.0000 | 21 |
| | 34 | 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 350367 | 20.0000 | 21 |
| | 120 | 1-Methylnaphthalene | 142 | 6.463 | 6.463 | (1.145) | 344397 | 20.0000 | 21 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.528 | 6.528 | (0.882) | 99098 | 20.0000 | 19 |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.569 | (1.164) | 236269 | 20.0000 | 21 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.645 | 6.645 | (0.898) | 93701 | 20.0000 | 20 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.687 | 6.687 | (0.904) | 97145 | 20.0000 | 21 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.728 | (0.909) | 363797 | 20.0000 | 21 |
| | 102 | Diphenyl | 154 | 6.828 | 6.828 | (0.923) | 403470 | 20.0000 | 21 |
| | 36 | 2-Chloronaphthalene | 162 | 6.845 | 6.845 | (0.925) | 320012 | 20.0000 | 21 |
| | 103 | Diphenyl Ether | 170 | 6.934 | 6.934 | (0.937) | 218358 | 20.0000 | 20 |
| | 37 | 2-Nitroaniline | 65 | 6.951 | 6.951 | (0.940) | 108902 | 20.0000 | 23 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.063 | (0.955) | 259240 | 20.0000 | 21 |
| | 38 | Dimethylphthalate | 163 | 7.134 | 7.134 | (0.964) | 310663 | 20.0000 | 20 |
| | 114 | Coumarin | 146 | 7.151 | 7.151 | (0.967) | 99541 | 20.0000 | 21 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.187 | 7.187 | (0.971) | 70155 | 20.0000 | 21 |
| | 39 | Acenaphthylene | 152 | 7.257 | 7.257 | (0.981) | 481273 | 20.0000 | 20 |
| | 41 | 3-Nitroaniline | 138 | 7.357 | 7.357 | (0.994) | 72023 | 20.0000 | 21 |
| * | 82 | Acenaphthene-d10 | 164 | 7.398 | 7.398 | (1.000) | 496353 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.434 | 7.434 | (1.005) | 277900 | 20.0000 | 20 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.422 | (1.003) | 265457 | 20.0000 | 21 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.457 | 7.457 | (1.008) | 36838 | 30.0000 | 27 |
| | 12 | 4-Nitrophenol | 65 | 7.528 | 7.528 | (1.017) | 65458 | 30.0000 | 30 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.586 | 7.586 | (1.025) | 85789 | 20.0000 | 21 |
| | 43 | Dibenzofuran | 168 | 7.598 | 7.598 | (1.027) | 408096 | 20.0000 | 21 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 45 | Diethylphthalate | 149 | 7.828 | 7.828 | (1.058) | 293202 | 20.0000 | 21 |
| 47 | Fluorene | 166 | 7.939 | 7.939 | (1.073) | 307220 | 20.0000 | 21 |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.939 | (1.073) | 145086 | 20.0000 | 20 |
| 48 | 4-Nitroaniline | 138 | 7.957 | 7.957 | (1.076) | 63960 | 20.0000 | 22 |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.986 | (0.901) | 50497 | 30.0000 | 28 |
| 49 | N-Nitrosodiphenylamine | 169 | 8.057 | 8.057 | (0.909) | 186839 | 20.0000 | 19 |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.092 | 8.092 | (0.913) | 352771 | 20.0000 | 20 |
| $ 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.175 | (1.105) | 33294 | 20.0000 | 20 |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.416 | 8.416 | (0.950) | 79392 | 20.0000 | 19 |
| 51 | Hexachlorobenzene | 284 | 8.486 | 8.486 | (0.958) | 76751 | 20.0000 | 20 |
| 112 | Atrazine | 200 | 8.581 | 8.581 | (0.968) | 59524 | 20.0000 | 21 |
| 14 | Pentachlorophenol | 266 | 8.681 | 8.681 | (0.979) | 48638 | 30.0000 | 28 |
| 115 | n-Octadecane | 57 | 8.757 | 8.757 | (0.988) | 193665 | 20.0000 | 21 |
| * 83 | Phenanthrene-d10 | 188 | 8.863 | 8.863 | (1.000) | 615526 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.886 | 8.886 | (1.003) | 358788 | 20.0000 | 20 |
| 53 | Anthracene | 178 | 8.933 | 8.933 | (1.008) | 367189 | 20.0000 | 21 |
| 54 | Carbazole | 167 | 9.092 | 9.092 | (1.026) | 286783 | 20.0000 | 21 |
| 55 | Di-n-butylphthalate | 149 | 9.433 | 9.433 | (1.064) | 370982 | 20.0000 | 21 |
| 56 | Fluoranthene | 202 | 10.051 | 10.051 | (1.134) | 290652 | 20.0000 | 21 |
| 58 | Benzidine | 184 | 10.180 | 10.180 | (1.149) | 92056 | 30.0000 | 54 |
| 57 | Pyrene | 202 | 10.280 | 10.280 | (0.884) | 288537 | 20.0000 | 21 |
| $ 78 | Terphenyl-d14 | 244 | 10.433 | 10.433 | (0.897) | 188644 | 20.0000 | 21 |
| 59 | Butylbenzylphthalate | 149 | 10.957 | 10.957 | (0.942) | 104852 | 20.0000 | 20 |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.586 | (0.996) | 70496 | 30.0000 | 32 |
| 61 | Benzo(a)anthracene | 228 | 11.616 | 11.616 | (0.999) | 170433 | 20.0000 | 19 |
| * 81 | Chrysene-d12 | 240 | 11.627 | 11.627 | (1.000) | 308090 | 40.0000 | |
| 62 | Chrysene | 228 | 11.657 | 11.657 | (1.003) | 162388 | 20.0000 | 20 |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.657 | (1.003) | 131488 | 20.0000 | 20 |
| 64 | Di-n-octylphthalate | 149 | 12.510 | 12.510 | (0.924) | 151266 | 20.0000 | 20 |
| 65 | Benzo(b)fluoranthene | 252 | 13.021 | 13.021 | (0.961) | 109119 | 20.0000 | 20 |
| 66 | Benzo(k)fluoranthene | 252 | 13.057 | 13.057 | (0.964) | 125296 | 20.0000 | 22 |
| 67 | Benzo(a)pyrene | 252 | 13.463 | 13.463 | (0.994) | 90516 | 20.0000 | 20 |
| * 84 | Perylene-d12 | 264 | 13.545 | 13.545 | (1.000) | 186425 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.062 | 15.062 | (1.112) | 79518 | 20.0000 | 19(M) |
| 69 | Dibenz(a,h)anthracene | 278 | 15.098 | 15.098 | (1.115) | 77505 | 20.0000 | 19 |
| 70 | Benzo(g,h,i)perylene | 276 | 15.480 | 15.480 | (1.143) | 81560 | 20.0000 | 19 |

QC Flag Legend

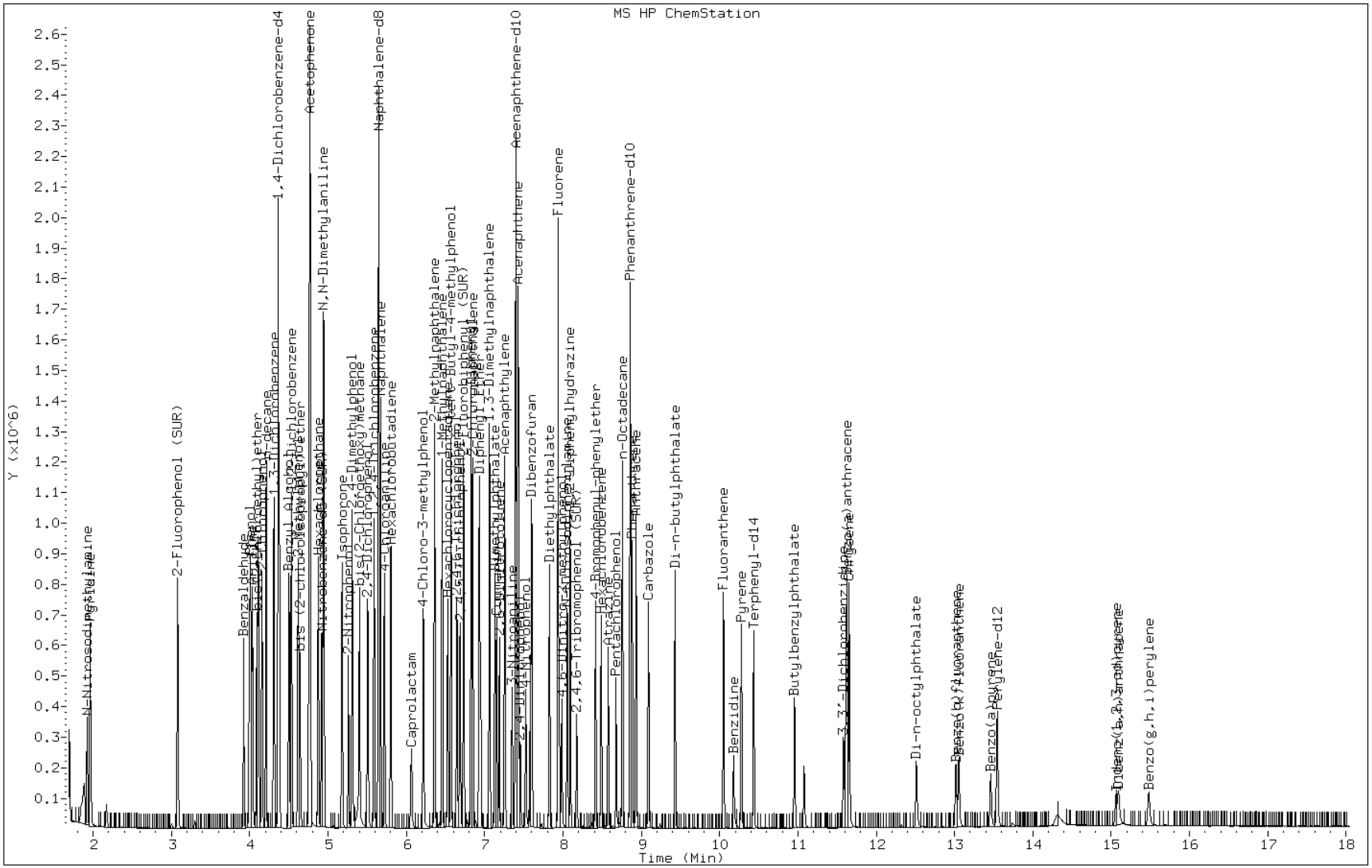
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4014.d

Date: 21-SEP-2009 03:34

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154122 Operator: BNAMS 4



# Manual Integration Report

Data File: z4014.d
Inj. Date and Time: 21-SEP-2009 03:34
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

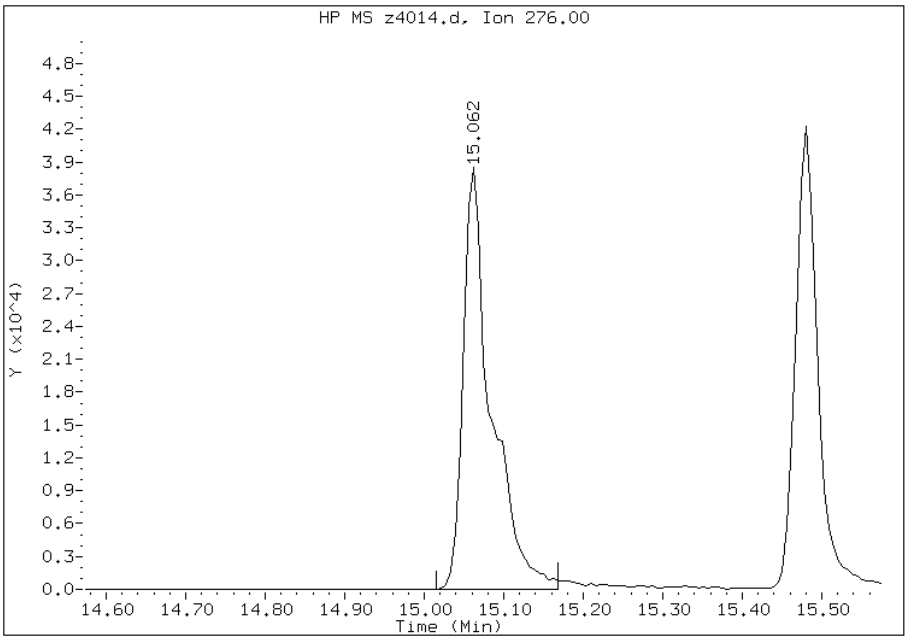
## Processing Integration Results

RT: 15.06

Response: 94563

Amount: 22

Conc: 22



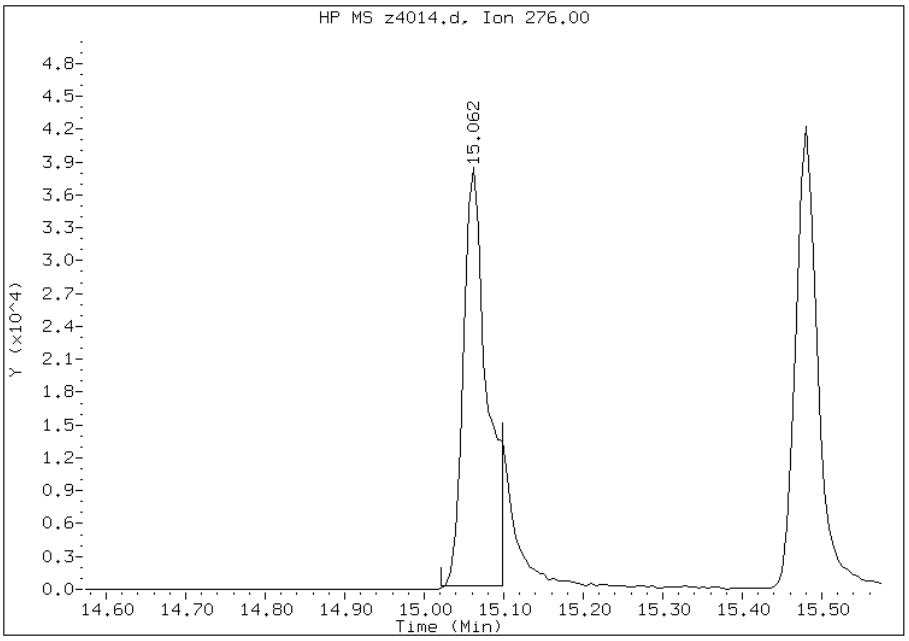

## Manual Integration Results

RT: 15.06

Response: 79518

Amount: 19

Conc: 19




Manually Integrated By: rusin
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Lab Smp Id: IC-154125
Inj Date : 21-SEP-2009 03:58
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154125
Misc Info : 10 ppmmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 19 | N-Nitrosodimethylamine | 74 | 1.928 | 1.928 | (0.442) | 73140 | 10.0000 | 10 |
| 71 | Pyridine | 79 | 1.963 | 1.957 | (0.450) | 133439 | 10.0000 | 10 |
| $ 16 | 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 129937 | 10.0000 | 11 |
| 110 | Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 71765 | 10.0000 | 13 |
| $ 17 | Phenol-d5 (SUR) | 99 | 3.993 | 4.010 | (0.915) | 140891 | 10.0000 | 11 |
| 1 | Phenol | 94 | 4.004 | 4.022 | (0.918) | 144955 | 10.0000 | 10 |
| 73 | Aniline | 93 | 4.028 | 4.040 | (0.923) | 187550 | 10.0000 | 11 |
| 20 | bis(2-Chloroethyl)ether | 93 | 4.093 | 4.098 | (0.938) | 124194 | 10.0000 | 10 |
| 2 | 2-Chlorophenol | 128 | 4.151 | 4.163 | (0.951) | 127366 | 10.0000 | 10 |
| 113 | n-decane | 43 | 4.204 | 4.210 | (0.964) | 118248 | 10.0000 | 11 |
| 21 | 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 151676 | 10.0000 | 10 |
| * 79 | 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 343570 | 40.0000 | |
| 22 | 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 151025 | 10.0000 | 10 |
| 74 | Benzyl Alcohol | 108 | 4.498 | 4.510 | (1.031) | 75846 | 10.0000 | 11 |
| 23 | 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 142036 | 10.0000 | 10 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.616 | 4.628 | (1.058) | 103410 | 10.0000 | 10 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.634 | 4.640 | (1.062) | 144471 | 10.0000 | 10 |
| | 104 Acetophenone | 105 | 4.763 | 4.775 | (1.092) | 161005 | 10.0000 | 11 |
| | 4 4-Methylphenol | 108 | 4.769 | 4.781 | (1.093) | 114617 | 10.0000 | 13 |
| | 124 3 & 4 methylphenol | 108 | 4.769 | 4.781 | (1.093) | 114617 | 10.0000 | 13 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.781 | (1.093) | 79149 | 10.0000 | 11 |
| | 26 Hexachloroethane | 117 | 4.875 | 4.881 | (1.117) | 60450 | 10.0000 | 11 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.928 | (0.871) | 122877 | 10.0000 | 10 |
| | 27 Nitrobenzene | 77 | 4.940 | 4.951 | (0.875) | 179691 | 10.0000 | 11 |
| | 107 N,N-Dimethylaniline | 120 | 4.940 | 4.951 | (1.132) | 193230 | 10.0000 | 11 |
| | 28 Isophorone | 82 | 5.175 | 5.187 | (0.917) | 213538 | 10.0000 | 10 |
| | 5 2-Nitrophenol | 139 | 5.257 | 5.263 | (0.931) | 61025 | 10.0000 | 9.9 |
| | 6 2,4-Dimethylphenol | 122 | 5.310 | 5.316 | (0.941) | 98427 | 10.0000 | 10 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.404 | (0.956) | 129907 | 10.0000 | 10 |
| | 15 Benzoic Acid | 122 | 5.393 | 5.445 | (0.955) | 39266 | 10.0000 | 10 |
| | 7 2,4-Dichlorophenol | 162 | 5.504 | 5.510 | (0.975) | 86671 | 10.0000 | 10 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.587 | 5.592 | (0.990) | 112442 | 10.0000 | 11 |
| * | 80 Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1236156 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.669 | 5.669 | (1.004) | 363002 | 10.0000 | 11 |
| | 32 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 140520 | 10.0000 | 11 |
| | 33 Hexachlorobutadiene | 225 | 5.798 | 5.804 | (1.027) | 66023 | 10.0000 | 10 |
| | 111 Caprolactam | 113 | 6.051 | 6.104 | (1.072) | 25298 | 10.0000 | 10 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.216 | 6.228 | (1.101) | 88837 | 10.0000 | 10 |
| | 34 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 214029 | 10.0000 | 11 |
| | 120 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 212351 | 10.0000 | 11 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.528 | 6.534 | (0.882) | 55753 | 10.0000 | 9.3 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.575 | (1.164) | 145042 | 10.0000 | 11 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.645 | 6.651 | (0.898) | 54868 | 10.0000 | 9.7 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.681 | 6.692 | (0.903) | 56431 | 10.0000 | 10 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.734 | (0.909) | 214736 | 10.0000 | 10 |
| | 102 Diphenyl | 154 | 6.828 | 6.834 | (0.923) | 245508 | 10.0000 | 10 |
| | 36 2-Chloronaphthalene | 162 | 6.845 | 6.851 | (0.925) | 198167 | 10.0000 | 10 |
| | 103 Diphenyl Ether | 170 | 6.934 | 6.939 | (0.937) | 135294 | 10.0000 | 10 |
| | 37 2-Nitroaniline | 65 | 6.945 | 6.957 | (0.939) | 66657 | 10.0000 | 11 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.069 | (0.955) | 156449 | 10.0000 | 10 |
| | 38 Dimethylphthalate | 163 | 7.128 | 7.139 | (0.963) | 195700 | 10.0000 | 11 |
| | 114 Coumarin | 146 | 7.151 | 7.157 | (0.967) | 62641 | 10.0000 | 11 |
| | 40 2,6-Dinitrotoluene | 165 | 7.187 | 7.198 | (0.971) | 41745 | 10.0000 | 10 |
| | 39 Acenaphthylene | 152 | 7.257 | 7.263 | (0.981) | 301427 | 10.0000 | 11 |
| | 41 3-Nitroaniline | 138 | 7.351 | 7.363 | (0.994) | 44234 | 10.0000 | 11 |
| * | 82 Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 593987 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 175927 | 10.0000 | 11 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.428 | (1.003) | 160010 | 10.0000 | 10 |
| | 11 2,4-Dinitrophenol | 184 | 7.451 | 7.463 | (1.007) | 26335 | 20.0000 | 17 |
| | 12 4-Nitrophenol | 65 | 7.528 | 7.534 | (1.017) | 51097 | 20.0000 | 20 |
| | 44 2,4-Dinitrotoluene | 165 | 7.581 | 7.592 | (1.025) | 50319 | 10.0000 | 10 |
| | 43 Dibenzofuran | 168 | 7.598 | 7.604 | (1.027) | 253500 | 10.0000 | 11 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

| | | QUANT SIG | | | | | AMOUNTS CAL-AMT | ON-COL |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.828 | 7.833 | (1.058) | 179325 | 10.0000 | 10 |
| | 47 Fluorene | 166 | 7.939 | 7.945 | (1.073) | 189054 | 10.0000 | 11 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.945 | (1.073) | 91729 | 10.0000 | 10 |
| | 48 4-Nitroaniline | 138 | 7.951 | 7.969 | (1.075) | 39288 | 10.0000 | 11 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.998 | (0.901) | 36708 | 20.0000 | 18 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.051 | 8.063 | (0.908) | 116830 | 10.0000 | 10 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.092 | 8.098 | (0.913) | 217804 | 10.0000 | 10 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.181 | (1.105) | 21117 | 10.0000 | 10 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.416 | 8.422 | (0.950) | 48400 | 10.0000 | 10 |
| | 51 Hexachlorobenzene | 284 | 8.486 | 8.492 | (0.958) | 47805 | 10.0000 | 10 |
| | 112 Atrazine | 200 | 8.581 | 8.586 | (0.968) | 36481 | 10.0000 | 11 |
| | 14 Pentachlorophenol | 266 | 8.681 | 8.686 | (0.979) | 36697 | 20.0000 | 18 |
| | 115 n-Octadecane | 57 | 8.757 | 8.763 | (0.988) | 117218 | 10.0000 | 11 |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 729585 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.881 | 8.892 | (1.002) | 220825 | 10.0000 | 10 |
| | 53 Anthracene | 178 | 8.933 | 8.939 | (1.008) | 222571 | 10.0000 | 10 |
| | 54 Carbazole | 167 | 9.092 | 9.098 | (1.026) | 174154 | 10.0000 | 11 |
| | 55 Di-n-butylphthalate | 149 | 9.433 | 9.439 | (1.064) | 218323 | 10.0000 | 10 |
| | 56 Fluoranthene | 202 | 10.051 | 10.063 | (1.134) | 166807 | 10.0000 | 10 |
| | 58 Benzidine | 184 | 10.180 | 10.186 | (1.149) | 87961 | 20.0000 | 35 |
| | 57 Pyrene | 202 | 10.275 | 10.286 | (0.884) | 166792 | 10.0000 | 11 |
| $ | 78 Terphenyl-d14 | 244 | 10.433 | 10.439 | (0.897) | 102867 | 10.0000 | 10 |
| | 59 Butylbenzylphthalate | 149 | 10.957 | 10.969 | (0.942) | 56621 | 10.0000 | 9.9 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.580 | 11.592 | (0.996) | 54454 | 20.0000 | 21 |
| | 61 Benzo(a)anthracene | 228 | 11.610 | 11.621 | (0.998) | 96567 | 10.0000 | 9.8 |
| * | 81 Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 348022 | 40.0000 | |
| | 62 Chrysene | 228 | 11.657 | 11.669 | (1.003) | 96715 | 10.0000 | 10 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.003) | 71375 | 10.0000 | 9.7 |
| | 64 Di-n-octylphthalate | 149 | 12.510 | 12.521 | (0.924) | 76187 | 10.0000 | 8.8 |
| | 65 Benzo(b)fluoranthene | 252 | 13.021 | 13.027 | (0.961) | 61395 | 10.0000 | 10 |
| | 66 Benzo(k)fluoranthene | 252 | 13.057 | 13.068 | (0.964) | 67771 | 10.0000 | 10 |
| | 67 Benzo(a)pyrene | 252 | 13.463 | 13.474 | (0.994) | 50258 | 10.0000 | 9.7 |
| * | 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 215112 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.062 | 15.074 | (1.112) | 40510 | 10.0000 | 8.5(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.098 | 15.110 | (1.115) | 42679 | 10.0000 | 9.2 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.480 | 15.498 | (1.143) | 45633 | 10.0000 | 9.5 |

QC Flag Legend

M - Compound response manually integrated.

Data File: z4015.d

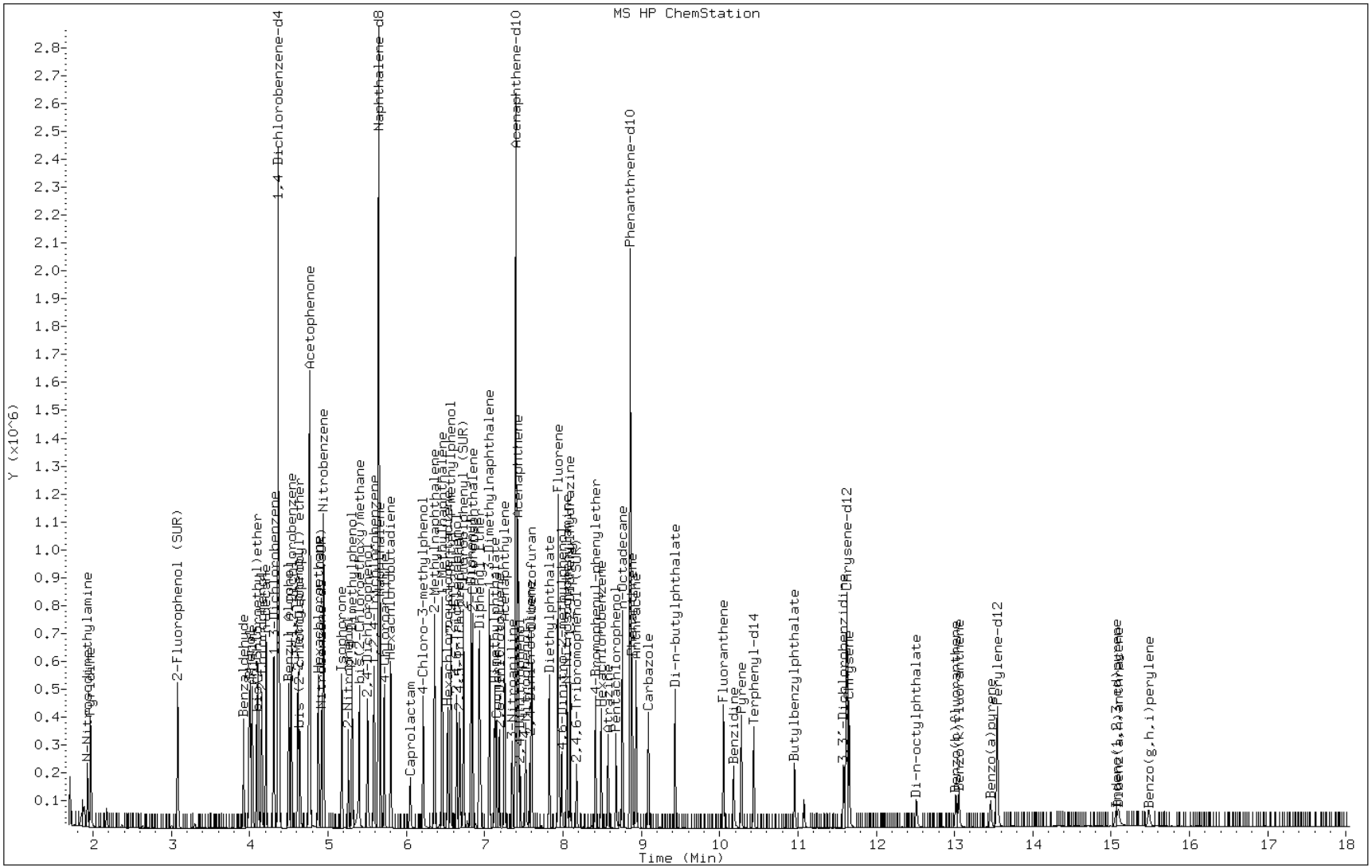
Date: 21-SEP-2009 03:58

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-154125

Operator: BNAMS 4



# Manual Integration Report

Data File: z4015.d
Inj. Date and Time: 21-SEP-2009 03:58
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

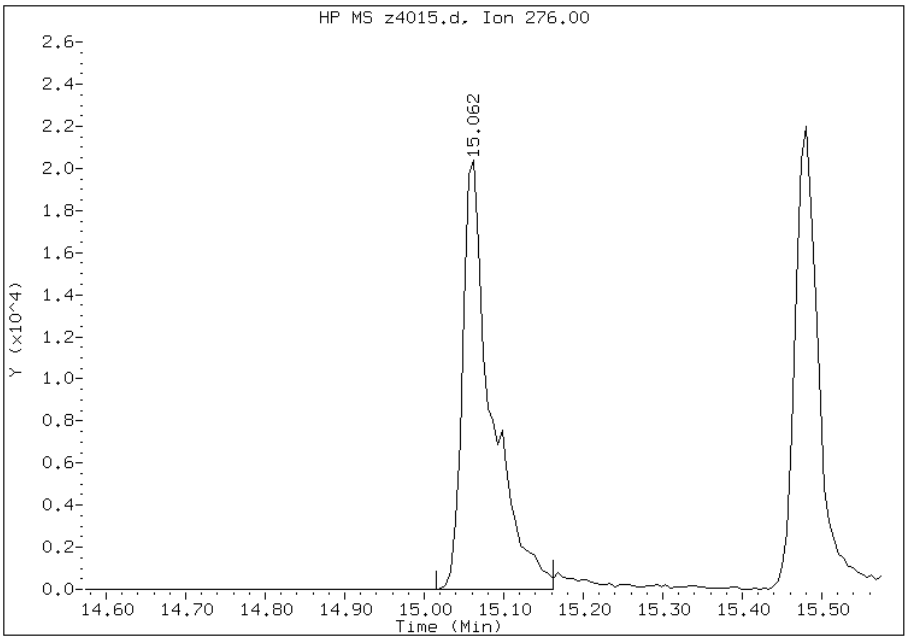
## Processing Integration Results

RT: 15.06

Response: 51949

Amount: 11

Conc: 11



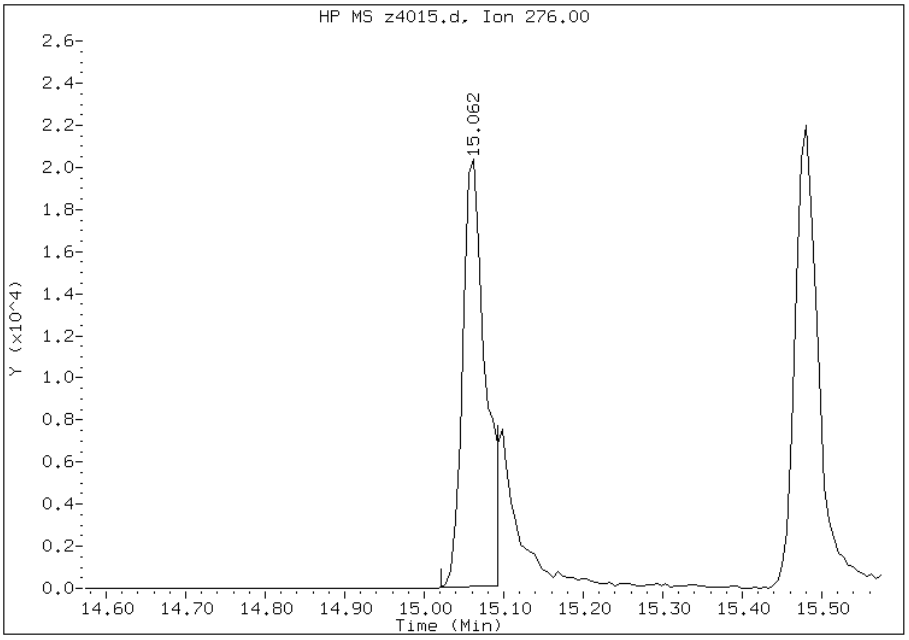

## Manual Integration Results

RT: 15.06

Response: 40510

Amount: 9

Conc: 9




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17472/2 Calibration Date: 09/18/2009 11:30

Instrument ID: BNAMS11 Calib Start Date: 09/14/2009 09:46

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/14/2009 12:48

Lab File ID: z3922.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | Ave | 0.6195 | 0.6211 | | 50100 | 50000 | 0.3 | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.9110 | 0.8298 | | 45500 | 50000 | -8.9 | 20.0 |
| Pyridine | Ave | 1.568 | 1.477 | | 47100 | 50000 | -5.8 | 20.0 |
| Benzaldehyde | Ave | 0.7351 | 0.6715 | | 45700 | 50000 | -8.6 | 20.0 |
| Phenol | Ave | 1.822 | 1.647 | | 45200 | 50000 | -9.6 | 20.0 |
| Aniline | Ave | 2.350 | 1.982 | | 42200 | 50000 | -15.7 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.676 | 1.367 | | 40800 | 50000 | -18.5 | 20.0 |
| 2-Chlorophenol | Ave | 1.517 | 1.394 | | 45900 | 50000 | -8.1 | 20.0 |
| n-Decane | QuaF | 1.373 | 1.225 | | 48800 | 50000 | -2.4 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.754 | 1.657 | | 47200 | 50000 | -5.5 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.725 | 1.641 | | 47600 | 50000 | -4.9 | 20.0 |
| Benzyl alcohol | Ave | 0.9995 | 0.8103 | | 40500 | 50000 | -18.9 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.659 | 1.528 | | 46100 | 50000 | -7.9 | 20.0 |
| 2-Methylphenol | Ave | 1.326 | 1.116 | | 42100 | 50000 | -15.9 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | QuaF | 1.867 | 1.489 | | 42800 | 50000 | -14.5 | 20.0 |
| Acetophenone | LinF | 1.862 | 1.590 | | 51500 | 50000 | 3.0 | 20.0 |
| 3 & 4 Methylphenol | LinF | 1.359 | 1.158 | | 49100 | 50000 | -1.8 | 20.0 |
| 4-Methylphenol | LinF | 1.359 | 1.155 | | 49000 | 50000 | -2.0 | 20.0 |
| N-Nitrosodi-n-propylamine | LinF | 1.026 | 0.7981 | 0.0500 | 45400 | 50000 | -9.1 | 20.0 |
| Hexachloroethane | Ave | 0.6712 | 0.6622 | | 49300 | 50000 | -1.3 | 20.0 |
| n,n'-Dimethylaniline | QuaF | 2.320 | 1.979 | | 47100 | 50000 | -5.8 | 20.0 |
| Nitrobenzene | QuaF | 0.5545 | 0.5186 | | 50100 | 50000 | 0.2 | 20.0 |
| Isophorone | Ave | 0.7664 | 0.6720 | | 43800 | 50000 | -12.3 | 20.0 |
| 2-Nitrophenol | Ave | 0.1987 | 0.1991 | | 50100 | 50000 | 0.2 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.3381 | 0.3048 | | 45100 | 50000 | -9.8 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.4456 | 0.4018 | | 45100 | 50000 | -9.8 | 20.0 |
| Benzoic acid | Ave | 0.1111 | 0.0788 | | 35500 | 50000 | -29.1* | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.3004 | 0.2728 | | 45400 | 50000 | -9.2 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3481 | 0.3364 | | 48300 | 50000 | -3.4 | 20.0 |
| Naphthalene | Ave | 1.137 | 1.060 | | 46600 | 50000 | -6.8 | 20.0 |
| 4-Chloroaniline | QuaF | 0.4391 | 0.4036 | | 49100 | 50000 | -1.8 | 20.0 |
| Hexachlorobutadiene | Ave | 0.2016 | 0.2013 | | 49900 | 50000 | -0.2 | 20.0 |
| Caprolactam | Ave | 0.0993 | 0.0882 | | 44400 | 50000 | -11.1 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.3018 | 0.2864 | | 47400 | 50000 | -5.1 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.7092 | 0.6429 | | 45300 | 50000 | -9.3 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6887 | 0.6117 | | 44400 | 50000 | -11.2 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.4181 | 0.4411 | 0.0500 | 52700 | 50000 | 5.5 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4704 | 0.4153 | | 44100 | 50000 | -11.7 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3899 | 0.3693 | | 47400 | 50000 | -5.3 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3691 | 0.3901 | | 52800 | 50000 | 5.7 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.624 | 1.536 | | 47300 | 50000 | -5.4 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17472/2 Calibration Date: 09/18/2009 11:30

Instrument ID: BNAMS11 Calib Start Date: 09/14/2009 09:46

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/14/2009 12:48

Lab File ID: z3922.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloronaphthalene | Ave | 1.253 | 1.220 | | 48700 | 50000 | -2.6 | 20.0 |
| Phenyl ether | Ave | 0.9000 | 0.8452 | | 47000 | 50000 | -6.1 | 20.0 |
| 2-Nitroaniline | Ave | 0.4644 | 0.4444 | | 47800 | 50000 | -4.3 | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 1.033 | 0.9755 | | 47200 | 50000 | -5.6 | 20.0 |
| Dimethyl phthalate | Ave | 1.278 | 1.287 | | 50300 | 50000 | 0.6 | 20.0 |
| Coumarin | Ave | 0.4148 | 0.4057 | | 48900 | 50000 | -2.2 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2790 | 0.2967 | | 53200 | 50000 | 6.3 | 20.0 |
| Acenaphthylene | Ave | 2.012 | 1.891 | | 47000 | 50000 | -6.0 | 20.0 |
| 3-Nitroaniline | Ave | 0.2893 | 0.3030 | | 52400 | 50000 | 4.7 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.047 | 1.025 | | 49000 | 50000 | -2.1 | 20.0 |
| Acenaphthene | Ave | 1.191 | 1.095 | | 46000 | 50000 | -8.0 | 20.0 |
| 2,4-Dinitrophenol | Ave | 0.0962 | 0.1096 | 0.0500 | 57000 | 50000 | 13.9 | 20.0 |
| 4-Nitrophenol | Ave | 0.1995 | 0.2177 | 0.0500 | 54600 | 50000 | 9.1 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3461 | 0.3690 | | 53300 | 50000 | 6.6 | 20.0 |
| Dibenzofuran | Ave | 1.665 | 1.575 | | 47300 | 50000 | -5.4 | 20.0 |
| Diethyl phthalate | Ave | 1.245 | 1.258 | | 50500 | 50000 | 1.0 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.6026 | 0.5883 | | 48800 | 50000 | -2.4 | 20.0 |
| Fluorene | Ave | 1.251 | 1.227 | | 49000 | 50000 | -2.0 | 20.0 |
| 4-Nitroaniline | LinF | 0.2622 | 0.2792 | | 62700 | 50000 | 25.4* | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1068 | 0.1123 | | 52600 | 50000 | 5.2 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6555 | 0.5888 | | 44900 | 50000 | -10.2 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 1.210 | 1.073 | | 44300 | 50000 | -11.3 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2652 | 0.2503 | | 47200 | 50000 | -5.6 | 20.0 |
| Hexachlorobenzene | Ave | 0.2477 | 0.2385 | | 48100 | 50000 | -3.7 | 20.0 |
| Atrazine | QuaF | 0.2008 | 0.1995 | | 51200 | 50000 | 2.4 | 20.0 |
| Pentachlorophenol | Ave | 0.1244 | 0.1194 | | 48000 | 50000 | -4.1 | 20.0 |
| n-Octadecane | Ave | 0.6787 | 0.5505 | | 40600 | 50000 | -18.9 | 20.0 |
| Phenanthrene | Ave | 1.185 | 1.133 | | 47800 | 50000 | -4.4 | 20.0 |
| Anthracene | Ave | 1.199 | 1.149 | | 47900 | 50000 | -4.1 | 20.0 |
| Carbazole | Ave | 0.9702 | 0.9465 | | 48800 | 50000 | -2.4 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.270 | 1.312 | | 51600 | 50000 | 3.3 | 20.0 |
| Fluoranthene | Ave | 0.9965 | 1.014 | | 50900 | 50000 | 1.7 | 20.0 |
| Benzidine | Ave | 0.1379 | 0.1017 | | 36900 | 50000 | -26.3* | 20.0 |
| Pyrene | Ave | 1.887 | 1.745 | | 46200 | 50000 | -7.5 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.7240 | 0.7352 | | 50800 | 50000 | 1.6 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.1923 | 0.1966 | | 511 | 500 | 2.2 | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.2812 | 0.2942 | | 52300 | 50000 | 4.6 | 20.0 |
| Benzo[a]anthracene | Ave | 1.168 | 1.127 | | 48300 | 50000 | -3.5 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.9154 | 0.9394 | | 51300 | 50000 | 2.6 | 20.0 |
| Chrysene | Ave | 1.020 | 1.050 | | 51500 | 50000 | 2.9 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-17472/2  Calibration Date: 09/18/2009 11:30

Instrument ID: BNAMS11  Calib Start Date: 09/14/2009 09:46

GC Column: Rtx-5MS  ID: 0.25(mm)  Calib End Date: 09/14/2009 12:48

Lab File ID: z3922.d  Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | Ave | 1.987 | 2.014 | | 50700 | 50000 | 1.4 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.200 | 1.251 | | 52100 | 50000 | 4.2 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.312 | 1.293 | | 49300 | 50000 | -1.5 | 20.0 |
| Benzo[a]pyrene | Ave | 0.9710 | 1.028 | | 52900 | 50000 | 5.9 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 0.7496 | 0.8039 | | 53600 | 50000 | 7.2 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.7595 | 0.8336 | | 54900 | 50000 | 9.7 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 0.7511 | 0.8264 | | 55000 | 50000 | 10.0 | 20.0 |
| 2-Fluorophenol | Ave | 1.454 | 1.333 | | 45800 | 50000 | -8.3 | 20.0 |
| Phenol-d5 | Ave | 1.718 | 1.448 | | 42100 | 50000 | -15.7 | 20.0 |
| Nitrobenzene-d5 | Ave | 0.4163 | 0.3827 | | 46000 | 50000 | -8.1 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.441 | 1.345 | | 46700 | 50000 | -6.7 | 20.0 |
| 2,4,6-Tribromophenol | Ave | 0.1359 | 0.1442 | | 53100 | 50000 | 6.1 | 20.0 |
| Terphenyl-d14 | Ave | 1.180 | 1.124 | | 47600 | 50000 | -4.8 | 20.0 |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3922.d
Report Date: 18-Sep-2009 12:06

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3922.d
Lab Smp Id: CCIS-154120
Inj Date : 18-SEP-2009 11:30
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : CCIS-154120
Misc Info : 50ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/8270C_08SP.m
Meth Date : 18-Sep-2009 12:06 croccom Quant Type: ISTD
Cal Date : 18-SEP-2009 11:30 Cal File: z3922.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.781 | 1.781 | (0.400) | 292778 | 50.0000 | 50 |
| | 19 N-Nitrosodimethylamine | 74 | 2.010 | 2.010 | (0.452) | 391206 | 50.0000 | 46(H) |
| | 71 Pyridine | 79 | 2.040 | 2.040 | (0.458) | 696126 | 50.0000 | 47 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.169 | 3.169 | (0.712) | 628560 | 50.0000 | 46 |
| | 110 Benzaldehyde | 77 | 4.010 | 4.010 | (0.901) | 316568 | 50.0000 | 46 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.098 | 4.098 | (0.921) | 682545 | 50.0000 | 42 |
| | 1 Phenol | 94 | 4.110 | 4.110 | (0.923) | 776593 | 50.0000 | 45 |
| | 73 Aniline | 93 | 4.128 | 4.128 | (0.927) | 934357 | 50.0000 | 42 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.187 | 4.187 | (0.941) | 644392 | 50.0000 | 41 |
| | 2 2-Chlorophenol | 128 | 4.251 | 4.251 | (0.955) | 657011 | 50.0000 | 46 |
| | 113 n-decane | 43 | 4.298 | 4.298 | (0.966) | 577560 | 50.0000 | 49 |
| | 21 1,3-Dichlorobenzene | 146 | 4.398 | 4.398 | (0.988) | 781039 | 50.0000 | 47 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.451 | 4.451 | (1.000) | 377138 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.469 | 4.469 | (1.004) | 773606 | 50.0000 | 48 |
| | 74 Benzyl Alcohol | 108 | 4.592 | 4.592 | (1.032) | 381977 | 50.0000 | 40 |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3922.d
Report Date: 18-Sep-2009 12:06

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 23 | 1,2-Dichlorobenzene | 146 | 4.622 | 4.622 | (1.038) | 720501 | 50.0000 | 46 |
| | 3 | 2-Methylphenol | 108 | 4.710 | 4.710 | (1.058) | 525954 | 50.0000 | 42 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.728 | 4.728 | (1.062) | 701861 | 50.0000 | 43 |
| | 104 | Acetophenone | 105 | 4.863 | 4.863 | (1.092) | 749538 | 50.0000 | 51 |
| | 4 | 4-Methylphenol | 108 | 4.869 | 4.869 | (1.094) | 544673 | 50.0000 | 49 |
| | 124 | 3 & 4 methylphenol | 108 | 4.869 | 4.869 | (1.094) | 545810 | 50.0000 | 49 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.869 | 4.869 | (1.094) | 376231 | 50.0000 | 45 |
| | 26 | Hexachloroethane | 117 | 4.963 | 4.963 | (1.115) | 312169 | 50.0000 | 49 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 5.016 | 5.016 | (0.874) | 630118 | 50.0000 | 46 |
| | 27 | Nitrobenzene | 77 | 5.040 | 5.040 | (0.878) | 853851 | 50.0000 | 50 |
| | 107 | N,N-Dimethylaniline | 120 | 5.040 | 5.040 | (1.132) | 932927 | 50.0000 | 47 |
| | 28 | Isophorone | 82 | 5.275 | 5.275 | (0.919) | 1106454 | 50.0000 | 44 |
| | 5 | 2-Nitrophenol | 139 | 5.351 | 5.351 | (0.932) | 327844 | 50.0000 | 50 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.404 | 5.404 | (0.942) | 501879 | 50.0000 | 45 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.492 | 5.492 | (0.957) | 661574 | 50.0000 | 45 |
| | 15 | Benzoic Acid | 122 | 5.534 | 5.534 | (0.964) | 129758 | 50.0000 | 35(M) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.598 | 5.598 | (0.975) | 449149 | 50.0000 | 45 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.681 | 5.681 | (0.990) | 553836 | 50.0000 | 48 |
| * | 80 | Naphthalene-d8 | 136 | 5.739 | 5.739 | (1.000) | 1317131 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.757 | 5.757 | (1.003) | 1745357 | 50.0000 | 46 |
| | 32 | 4-Chloroaniline | 127 | 5.810 | 5.810 | (1.012) | 664519 | 50.0000 | 49 |
| | 33 | Hexachlorobutadiene | 225 | 5.887 | 5.887 | (1.026) | 331409 | 50.0000 | 50 |
| | 111 | Caprolactam | 113 | 6.192 | 6.192 | (1.079) | 145260 | 50.0000 | 44 |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.316 | 6.316 | (1.100) | 471580 | 50.0000 | 47 |
| | 34 | 2-Methylnaphthalene | 142 | 6.451 | 6.451 | (1.124) | 1058542 | 50.0000 | 45 |
| | 120 | 1-Methylnaphthalene | 142 | 6.551 | 6.551 | (1.141) | 1007102 | 50.0000 | 44 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.616 | 6.616 | (0.883) | 346125 | 50.0000 | 53 |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.657 | 6.657 | (1.160) | 683772 | 50.0000 | 44 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.739 | 6.739 | (0.900) | 289802 | 50.0000 | 47 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.781 | 6.781 | (0.905) | 306140 | 50.0000 | 53 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.822 | 6.822 | (0.910) | 1055730 | 50.0000 | 47 |
| | 102 | Diphenyl | 154 | 6.922 | 6.922 | (0.924) | 1205315 | 50.0000 | 47 |
| | 36 | 2-Chloronaphthalene | 162 | 6.939 | 6.939 | (0.926) | 957080 | 50.0000 | 49 |
| | 103 | Diphenyl Ether | 170 | 7.022 | 7.022 | (0.937) | 663319 | 50.0000 | 47 |
| | 37 | 2-Nitroaniline | 65 | 7.045 | 7.045 | (0.940) | 348717 | 50.0000 | 48 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.157 | 7.157 | (0.955) | 765553 | 50.0000 | 47 |
| | 38 | Dimethylphthalate | 163 | 7.228 | 7.228 | (0.965) | 1009654 | 50.0000 | 50 |
| | 114 | Coumarin | 146 | 7.251 | 7.251 | (0.968) | 318345 | 50.0000 | 49 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.286 | 7.286 | (0.973) | 232860 | 50.0000 | 53 |
| | 39 | Acenaphthylene | 152 | 7.351 | 7.351 | (0.981) | 1483666 | 50.0000 | 47 |
| | 41 | 3-Nitroaniline | 138 | 7.451 | 7.451 | (0.994) | 237755 | 50.0000 | 52 |
| * | 82 | Acenaphthene-d10 | 164 | 7.492 | 7.492 | (1.000) | 627820 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.528 | 7.528 | (1.005) | 859424 | 50.0000 | 46 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.516 | 7.516 | (1.003) | 804437 | 50.0000 | 49 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.551 | 7.551 | (1.008) | 85988 | 50.0000 | 57 |
| | 12 | 4-Nitrophenol | 65 | 7.628 | 7.628 | (1.018) | 170853 | 50.0000 | 54 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.681 | 7.681 | (1.025) | 289540 | 50.0000 | 53 |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3922.d
Report Date: 18-Sep-2009 12:06

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 | Dibenzofuran | 168 | 7.698 | 7.698 | (1.027) | 1236176 | 50.0000 | 47 |
| | 45 | Diethylphthalate | 149 | 7.922 | 7.922 | (1.057) | 987529 | 50.0000 | 50 |
| | 47 | Fluorene | 166 | 8.039 | 8.039 | (1.073) | 962811 | 50.0000 | 49 |
| | 46 | 4-Chlorophenyl-phenylether | 204 | 8.033 | 8.033 | (1.072) | 461681 | 50.0000 | 49 |
| | 48 | 4-Nitroaniline | 138 | 8.063 | 8.063 | (1.076) | 219075 | 50.0000 | 63 |
| | 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.086 | 8.086 | (0.902) | 119949 | 50.0000 | 52 |
| | 49 | N-Nitrosodiphenylamine | 169 | 8.151 | 8.151 | (0.909) | 628771 | 50.0000 | 45 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 8.192 | 8.192 | (0.914) | 1145644 | 50.0000 | 44 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.275 | 8.275 | (1.104) | 113180 | 50.0000 | 53 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 8.516 | 8.516 | (0.950) | 267222 | 50.0000 | 47 |
| | 51 | Hexachlorobenzene | 284 | 8.586 | 8.586 | (0.958) | 254642 | 50.0000 | 48 |
| | 112 | Atrazine | 200 | 8.680 | 8.680 | (0.968) | 213050 | 50.0000 | 51 |
| | 14 | Pentachlorophenol | 266 | 8.780 | 8.780 | (0.980) | 127475 | 50.0000 | 48 |
| | 115 | n-Octadecane | 57 | 8.851 | 8.851 | (0.988) | 587869 | 50.0000 | 40 |
| * | 83 | Phenanthrene-d10 | 188 | 8.963 | 8.963 | (1.000) | 854255 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 8.986 | 8.986 | (1.003) | 1210256 | 50.0000 | 48 |
| | 53 | Anthracene | 178 | 9.039 | 9.039 | (1.009) | 1226790 | 50.0000 | 48 |
| | 54 | Carbazole | 167 | 9.192 | 9.192 | (1.026) | 1010732 | 50.0000 | 49 |
| | 55 | Di-n-butylphthalate | 149 | 9.533 | 9.533 | (1.064) | 1400613 | 50.0000 | 52 |
| | 56 | Fluoranthene | 202 | 10.163 | 10.163 | (1.134) | 1082502 | 50.0000 | 51 |
| | 58 | Benzidine | 184 | 10.286 | 10.286 | (1.148) | 108576 | 50.0000 | 37 |
| | 57 | Pyrene | 202 | 10.392 | 10.392 | (0.883) | 1064310 | 50.0000 | 46 |
| $ | 78 | Terphenyl-d14 | 244 | 10.545 | 10.545 | (0.896) | 685625 | 50.0000 | 48 |
| | 59 | Butylbenzylphthalate | 149 | 11.080 | 11.080 | (0.942) | 448474 | 50.0000 | 51 |
| | 109 | 2,3,7,8-TCDD (Screen) | 322 | 11.198 | 11.198 | (0.952) | 1199 | 0.50000 | 0.51 |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 11.716 | 11.716 | (0.996) | 179434 | 50.0000 | 52 |
| | 61 | Benzo(a)anthracene | 228 | 11.745 | 11.745 | (0.998) | 687575 | 50.0000 | 48 |
| * | 81 | Chrysene-d12 | 240 | 11.763 | 11.763 | (1.000) | 487983 | 40.0000 | |
| | 62 | Chrysene | 228 | 11.792 | 11.792 | (1.002) | 640556 | 50.0000 | 51 |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.780 | 11.780 | (1.002) | 573038 | 50.0000 | 51 |
| | 64 | Di-n-octylphthalate | 149 | 12.645 | 12.645 | (0.923) | 751414 | 50.0000 | 51 |
| | 65 | Benzo(b)fluoranthene | 252 | 13.168 | 13.168 | (0.961) | 466731 | 50.0000 | 52 |
| | 66 | Benzo(k)fluoranthene | 252 | 13.210 | 13.210 | (0.964) | 482318 | 50.0000 | 49 |
| | 67 | Benzo(a)pyrene | 252 | 13.621 | 13.621 | (0.994) | 383563 | 50.0000 | 53 |
| * | 84 | Perylene-d12 | 264 | 13.698 | 13.698 | (1.000) | 298477 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.257 | 15.257 | (1.114) | 299938 | 50.0000 | 54(M) |
| | 69 | Dibenz(a,h)anthracene | 278 | 15.292 | 15.292 | (1.116) | 310995 | 50.0000 | 55 |
| | 70 | Benzo(g,h,i)perylene | 276 | 15.698 | 15.698 | (1.146) | 308320 | 50.0000 | 55 |

QC Flag Legend

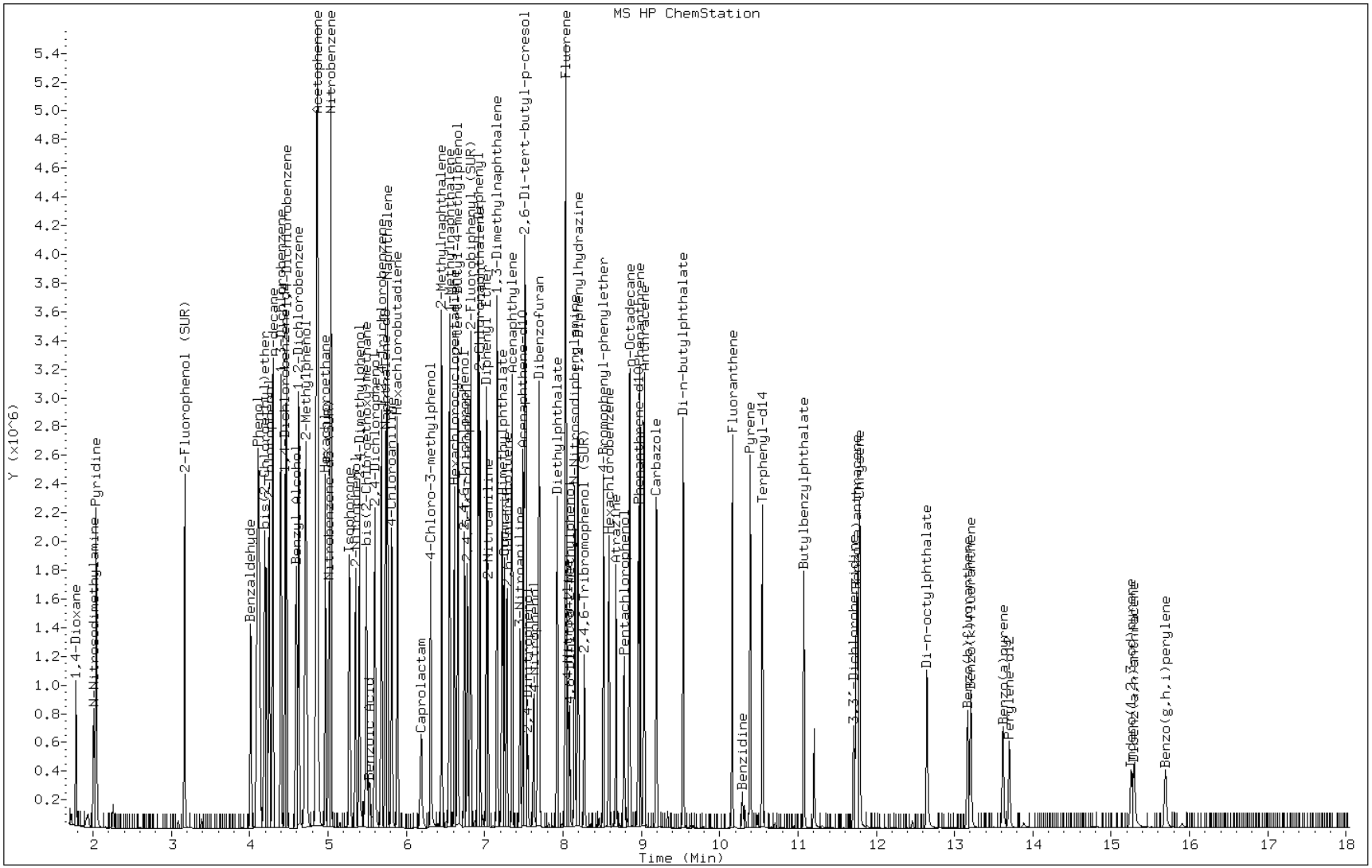
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z3922.d

Date: 18-SEP-2009 11:30

Client ID: Instrument: BNAMS11.i

Sample Info: CCIS-154120 Operator: BNAMS 4



# Manual Integration Report

Data File: z3922.d
Inj. Date and Time: 18-SEP-2009 11:30
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/21/2009

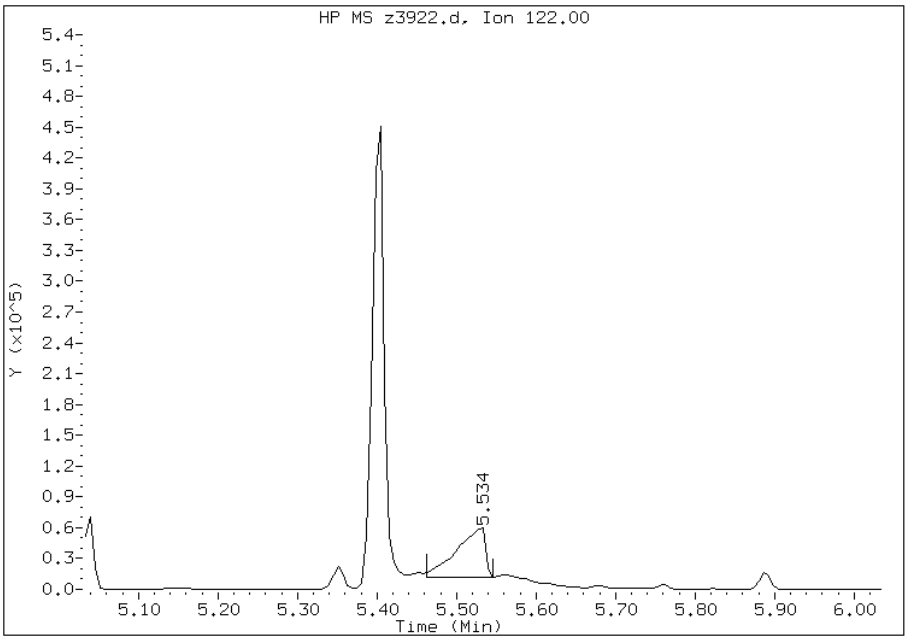
## Processing Integration Results

RT: 5.53

Response: 124722

Amount: 34

Conc: 34



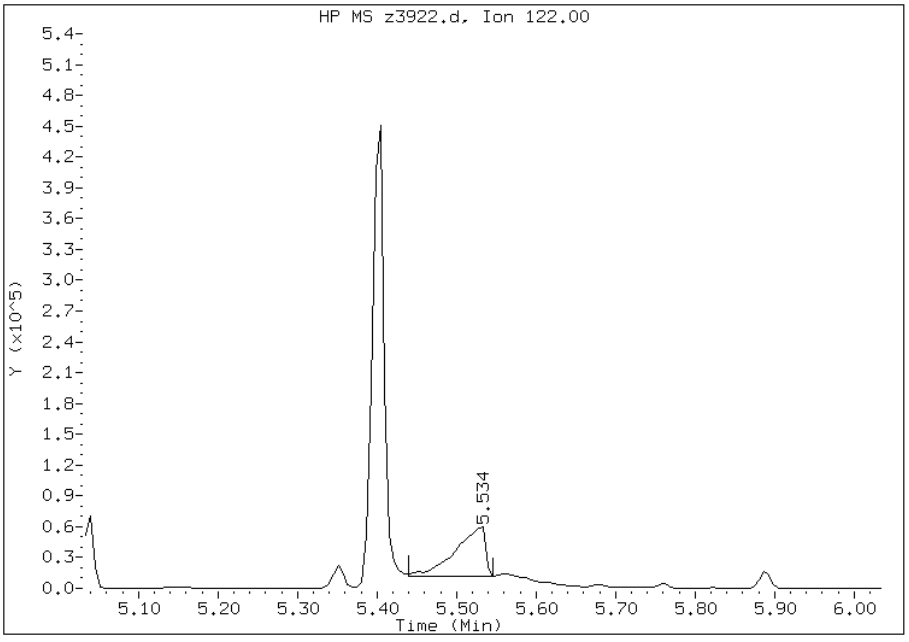

## Manual Integration Results

RT: 5.53

Response: 129758

Amount: 35

Conc: 35




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3922.d
Inj. Date and Time: 18-SEP-2009 11:30
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

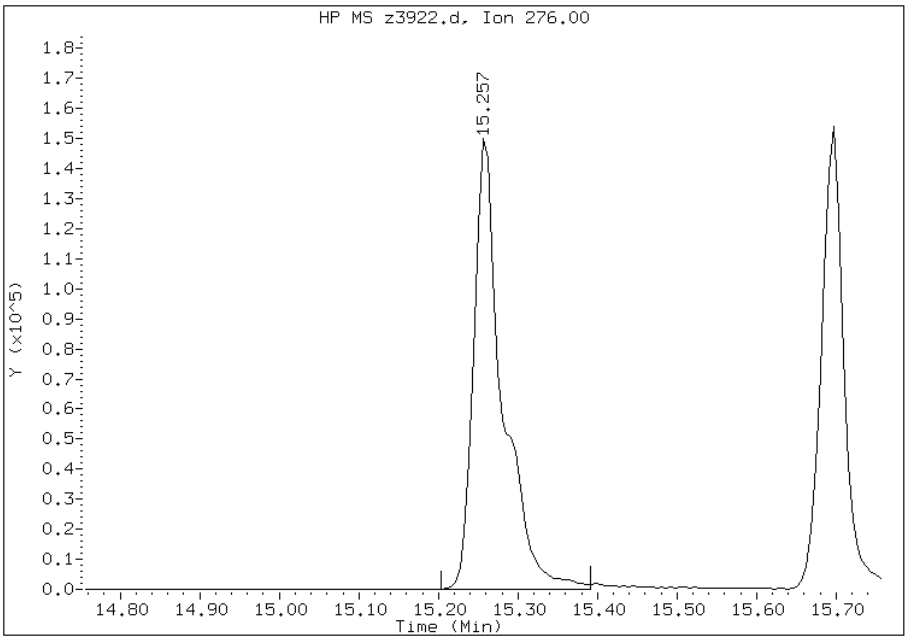
## Processing Integration Results

RT: 15.26

Response: 376404

Amount: 67

Conc: 67



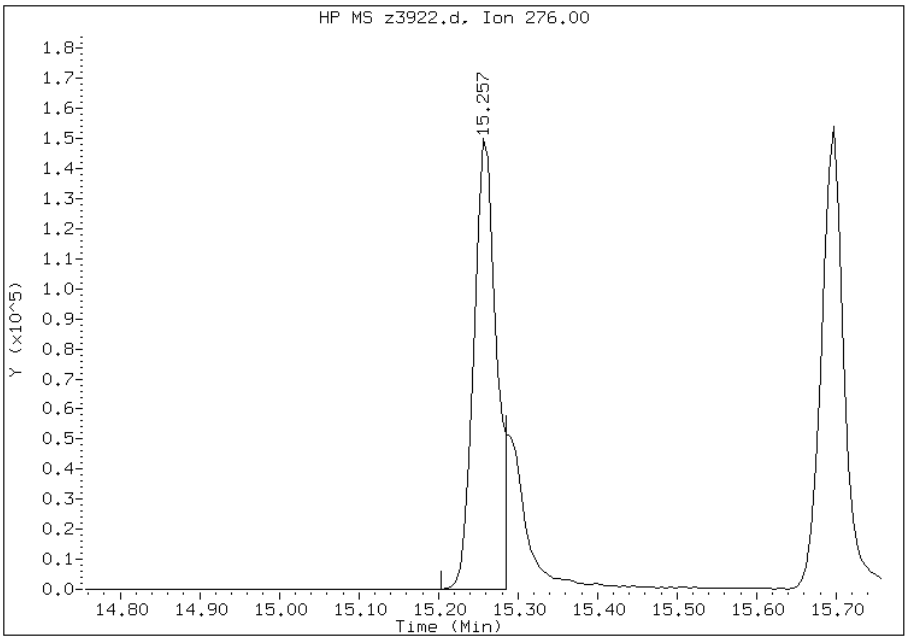

## Manual Integration Results

RT: 15.26

Response: 299938

Amount: 54

Conc: 54




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-18146/2 Calibration Date: 09/28/2009 08:32

Instrument ID: BNAMS11 Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/21/2009 03:58

Lab File ID: z4270.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | Ave | | 0.5871 | | 10.0 | 50000 | -4.3 | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.8191 | 0.7837 | | 47800 | 50000 | -4.3 | 20.0 |
| Pyridine | Ave | 1.471 | 1.414 | | 48000 | 50000 | -3.9 | 20.0 |
| Benzaldehyde | Ave | 0.6558 | 0.2734 | | 20800 | 50000 | -58.3* | 20.0 |
| Phenol | Ave | 1.643 | 1.543 | | 46900 | 50000 | -6.1 | 20.0 |
| Aniline | Ave | 1.951 | 1.896 | | 48600 | 50000 | -2.8 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.396 | 1.305 | | 46800 | 50000 | -6.5 | 20.0 |
| 2-Chlorophenol | Ave | 1.420 | 1.365 | | 48000 | 50000 | -3.9 | 20.0 |
| n-Decane | Ave | 1.222 | 1.142 | | 46700 | 50000 | -6.6 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.680 | 1.620 | | 48200 | 50000 | -3.6 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.677 | 1.613 | | 48100 | 50000 | -3.8 | 20.0 |
| Benzyl alcohol | Ave | 0.8224 | 0.8477 | | 51500 | 50000 | 3.1 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.564 | 1.510 | | 48300 | 50000 | -3.4 | 20.0 |
| 2-Methylphenol | Ave | 1.147 | 1.058 | | 46100 | 50000 | -7.8 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | QuaF | 1.454 | 1.337 | | 48800 | 50000 | -2.5 | 20.0 |
| Acetophenone | Ave | 1.700 | 1.588 | | 46700 | 50000 | -6.6 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.8406 | 0.7465 | 0.0500 | 44400 | 50000 | -11.2 | 20.0 |
| 3 & 4 Methylphenol | LinF | 1.206 | 1.047 | | 51200 | 50000 | 2.5 | 20.0 |
| 4-Methylphenol | LinF | 1.206 | 1.048 | | 51300 | 50000 | 2.5 | 20.0 |
| Hexachloroethane | Ave | 0.6473 | 0.6337 | | 48900 | 50000 | -2.1 | 20.0 |
| n,n'-Dimethylaniline | Ave | 2.103 | 1.929 | | 45900 | 50000 | -8.3 | 20.0 |
| Nitrobenzene | Ave | 0.5286 | 0.4903 | | 46400 | 50000 | -7.2 | 20.0 |
| Isophorone | Ave | 0.6560 | 0.6213 | | 47400 | 50000 | -5.3 | 20.0 |
| 2-Nitrophenol | Ave | 0.1994 | 0.1979 | | 49600 | 50000 | -0.7 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.3082 | 0.2905 | | 47100 | 50000 | -5.7 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.3984 | 0.3847 | | 48300 | 50000 | -3.4 | 20.0 |
| Benzoic acid | Ave | 0.1203 | 0.1116 | | 46400 | 50000 | -7.3 | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.2737 | 0.2641 | | 48300 | 50000 | -3.5 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3430 | 0.3301 | | 48100 | 50000 | -3.8 | 20.0 |
| Naphthalene | Ave | 1.080 | 1.033 | | 47800 | 50000 | -4.3 | 20.0 |
| 4-Chloroaniline | Ave | 0.4046 | 0.3938 | | 48700 | 50000 | -2.7 | 20.0 |
| Hexachlorobutadiene | Ave | 0.2037 | 0.1974 | | 48400 | 50000 | -3.1 | 20.0 |
| Caprolactam | Ave | 0.0786 | 0.0775 | | 49300 | 50000 | -1.4 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.2751 | 0.2585 | | 47000 | 50000 | -6.0 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6508 | 0.6163 | | 47400 | 50000 | -5.3 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6338 | 0.6018 | | 47500 | 50000 | -5.1 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.4047 | 0.4408 | 0.0500 | 54500 | 50000 | 8.9 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4276 | 0.4079 | | 47700 | 50000 | -4.6 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3790 | 0.3655 | | 48200 | 50000 | -3.6 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3749 | 0.3620 | | 48300 | 50000 | -3.5 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.583 | 1.534 | | 48500 | 50000 | -3.1 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-18146/2 Calibration Date: 09/28/2009 08:32

Instrument ID: BNAMS11 Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/21/2009 03:58

Lab File ID: z4270.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloronaphthalene | Ave | 1.263 | 1.202 | | 47600 | 50000 | -4.8 | 20.0 |
| Phenyl ether | Ave | 0.8700 | 0.8333 | | 47900 | 50000 | -4.2 | 20.0 |
| 2-Nitroaniline | Ave | 0.3947 | 0.3983 | | 50500 | 50000 | 0.9 | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 1.008 | 0.9708 | | 48200 | 50000 | -3.7 | 20.0 |
| Dimethyl phthalate | Ave | 1.237 | 1.150 | | 46500 | 50000 | -7.1 | 20.0 |
| Coumarin | Ave | 0.3895 | 0.3734 | | 47900 | 50000 | -4.1 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2754 | 0.2721 | | 49400 | 50000 | -1.2 | 20.0 |
| Acenaphthylene | Ave | 1.911 | 1.828 | | 47800 | 50000 | -4.3 | 20.0 |
| 3-Nitroaniline | Ave | 0.2790 | 0.2791 | | 50000 | 50000 | 0.0 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.026 | 0.9925 | | 48300 | 50000 | -3.3 | 20.0 |
| Acenaphthene | Ave | 1.106 | 0.9921 | | 44900 | 50000 | -10.3 | 20.0 |
| 2,4-Dinitrophenol | QuaF | 0.1066 | 0.1063 | 0.0500 | 47300 | 50000 | -5.5 | 20.0 |
| 4-Nitrophenol | Ave | 0.1736 | 0.1702 | 0.0500 | 49000 | 50000 | -2.0 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3254 | 0.3156 | | 48500 | 50000 | -3.0 | 20.0 |
| Dibenzofuran | Ave | 1.587 | 1.476 | | 46500 | 50000 | -7.0 | 20.0 |
| Diethyl phthalate | Ave | 1.152 | 1.090 | | 47300 | 50000 | -5.4 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.5834 | 0.5419 | | 46400 | 50000 | -7.1 | 20.0 |
| Fluorene | Ave | 1.199 | 1.115 | | 46500 | 50000 | -7.0 | 20.0 |
| 4-Nitroaniline | Ave | 0.2384 | 0.2392 | | 50200 | 50000 | 0.3 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1127 | 0.1156 | | 51300 | 50000 | 2.6 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6304 | 0.5850 | | 46400 | 50000 | -7.2 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 1.136 | 1.060 | | 46700 | 50000 | -6.7 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2656 | 0.2540 | | 47800 | 50000 | -4.4 | 20.0 |
| Hexachlorobenzene | Ave | 0.2566 | 0.2390 | | 46600 | 50000 | -6.9 | 20.0 |
| Atrazine | Ave | 0.1860 | 0.1963 | | 52800 | 50000 | 5.5 | 20.0 |
| Pentachlorophenol | Ave | 0.1116 | 0.1103 | | 49400 | 50000 | -1.2 | 20.0 |
| n-Octadecane | Ave | 0.5992 | 0.5601 | | 46700 | 50000 | -6.5 | 20.0 |
| Phenanthrene | Ave | 1.154 | 1.101 | | 47700 | 50000 | -4.5 | 20.0 |
| Anthracene | Ave | 1.167 | 1.122 | | 48100 | 50000 | -3.9 | 20.0 |
| Carbazole | Ave | 0.8948 | 0.8963 | | 50100 | 50000 | 0.2 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.165 | 1.153 | | 49500 | 50000 | -1.0 | 20.0 |
| Fluoranthene | Ave | 0.8985 | 0.9136 | | 50800 | 50000 | 1.7 | 20.0 |
| Benzidine | Ave | 0.1368 | 0.0511 | | 18700 | 50000 | -54.5* | 20.0 |
| Pyrene | Ave | 1.800 | 1.643 | | 45600 | 50000 | -9.0 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.6596 | 0.6440 | | 48800 | 50000 | -2.7 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.1561 | 0.2775 | | 889 | 500 | 256.0* | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.2911 | 0.2825 | | 48500 | 50000 | -3.3 | 20.0 |
| Benzo[a]anthracene | Ave | 1.132 | 1.083 | | 47800 | 50000 | -4.6 | 20.0 |
| Chrysene | Ave | 1.061 | 1.016 | | 47900 | 50000 | -4.5 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.8443 | 0.8283 | | 49100 | 50000 | -2.2 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVIS 460-18146/2  Calibration Date: 09/28/2009 08:32

Instrument ID: BNAMS11  Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS  ID: 0.25(mm)  Calib End Date: 09/21/2009 03:58

Lab File ID: z4270.d  Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | Ave | 1.608 | 1.707 | | 53100 | 50000 | 4.8 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.147 | 1.140 | | 49700 | 50000 | -1.4 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.242 | 1.295 | | 52100 | 50000 | 3.5 | 20.0 |
| Benzo[a]pyrene | Ave | 0.9631 | 1.005 | | 52200 | 50000 | 3.5 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 0.8827 | 0.8443 | | 47800 | 50000 | -7.7 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.8632 | 0.8715 | | 50500 | 50000 | 0.6 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 0.8948 | 0.8693 | | 48600 | 50000 | -3.6 | 20.0 |
| 2-Fluorophenol | Ave | 1.370 | 1.344 | | 49100 | 50000 | -1.9 | 20.0 |
| Phenol-d5 | Ave | 1.482 | 1.450 | | 48900 | 50000 | -2.1 | 20.0 |
| Nitrobenzene-d5 | Ave | 0.3792 | 0.3797 | | 50100 | 50000 | 0.1 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.409 | 1.421 | | 50500 | 50000 | 0.9 | 20.0 |
| 2,4,6-Tribromophenol | Ave | 0.1373 | 0.1407 | | 51200 | 50000 | 2.4 | 20.0 |
| Terphenyl-d14 | Ave | 1.151 | 1.199 | | 52100 | 50000 | 3.9 | 20.0 |

Data File: /chem/BNAMS11.i/8270/09-21-09/28sep09.b/z4270.d
Report Date: 28-Sep-2009 09:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/28sep09.b/z4270.d
Lab Smp Id: CCVIS-210292
Inj Date : 28-SEP-2009 08:32
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : CCVIS-210292
Misc Info : 50ppm bna4407
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/28sep09.b/8270C_08SP.m
Meth Date : 28-Sep-2009 09:07 croccom Quant Type: ISTD
Cal Date : 28-SEP-2009 08:32 Cal File: z4270.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 19 | N-Nitrosodimethylamine | 74 | 1.813 | 1.813 | (0.429) | 339279 | 50.0000 | 48 |
| 71 | Pyridine | 79 | 1.843 | 1.843 | (0.436) | 611954 | 50.0000 | 48 |
| $ 16 | 2-Fluorophenol (SUR) | 112 | 2.955 | 2.955 | (0.698) | 582055 | 50.0000 | 49 |
| 110 | Benzaldehyde | 77 | 3.790 | 3.790 | (0.896) | 118352 | 50.0000 | 21 |
| $ 17 | Phenol-d5 (SUR) | 99 | 3.884 | 3.884 | (0.918) | 627894 | 50.0000 | 49 |
| 1 | Phenol | 94 | 3.896 | 3.896 | (0.921) | 667865 | 50.0000 | 47 |
| 73 | Aniline | 93 | 3.902 | 3.902 | (0.922) | 820899 | 50.0000 | 48 |
| 20 | bis(2-Chloroethyl)ether | 93 | 3.966 | 3.966 | (0.937) | 565108 | 50.0000 | 47 |
| 2 | 2-Chlorophenol | 128 | 4.025 | 4.025 | (0.951) | 590813 | 50.0000 | 48 |
| 113 | n-decane | 43 | 4.078 | 4.078 | (0.964) | 494291 | 50.0000 | 47 |
| 21 | 1,3-Dichlorobenzene | 146 | 4.178 | 4.178 | (0.987) | 701212 | 50.0000 | 48 |
| * 79 | 1,4-Dichlorobenzene-d4 | 152 | 4.231 | 4.231 | (1.000) | 346334 | 40.0000 | |
| 22 | 1,4-Dichlorobenzene | 146 | 4.249 | 4.249 | (1.004) | 698495 | 50.0000 | 48 |
| 74 | Benzyl Alcohol | 108 | 4.378 | 4.378 | (1.035) | 367003 | 50.0000 | 52 |
| 23 | 1,2-Dichlorobenzene | 146 | 4.401 | 4.401 | (1.040) | 653847 | 50.0000 | 48 |

Data File: /chem/BNAMS11.i/8270/09-21-09/28sep09.b/z4270.d
Report Date: 28-Sep-2009 09:07

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 3 2-Methylphenol | 108 | 4.501 | 4.501 | (1.064) | 458025 | 50.0000 | 46 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.513 | 4.513 | (1.067) | 578769 | 50.0000 | 49 |
| | 104 Acetophenone | 105 | 4.649 | 4.649 | (1.099) | 687458 | 50.0000 | 47 |
| | 4 4-Methylphenol | 108 | 4.660 | 4.660 | (1.101) | 453656 | 50.0000 | 51 |
| | 124 3 & 4 methylphenol | 108 | 4.660 | 4.660 | (1.101) | 453466 | 50.0000 | 51 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.654 | 4.654 | (1.100) | 323169 | 50.0000 | 44 |
| | 26 Hexachloroethane | 117 | 4.743 | 4.743 | (1.121) | 274346 | 50.0000 | 49 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.796 | 4.796 | (0.870) | 572139 | 50.0000 | 50 |
| | 27 Nitrobenzene | 77 | 4.819 | 4.819 | (0.874) | 738883 | 50.0000 | 46 |
| | 107 N,N-Dimethylaniline | 120 | 4.819 | 4.819 | (1.139) | 835169 | 50.0000 | 46 |
| | 28 Isophorone | 82 | 5.054 | 5.054 | (0.917) | 936275 | 50.0000 | 47 |
| | 5 2-Nitrophenol | 139 | 5.131 | 5.131 | (0.931) | 298276 | 50.0000 | 50 |
| | 6 2,4-Dimethylphenol | 122 | 5.190 | 5.190 | (0.941) | 437759 | 50.0000 | 47 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.278 | 5.278 | (0.957) | 579637 | 50.0000 | 48 |
| | 15 Benzoic Acid | 122 | 5.319 | 5.319 | (0.965) | 168092 | 50.0000 | 46 |
| | 7 2,4-Dichlorophenol | 162 | 5.384 | 5.384 | (0.977) | 398036 | 50.0000 | 48 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.460 | 5.460 | (0.990) | 497408 | 50.0000 | 48 |
| * | 80 Naphthalene-d8 | 136 | 5.513 | 5.513 | (1.000) | 1205533 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.537 | 5.537 | (1.004) | 1556609 | 50.0000 | 48 |
| | 32 4-Chloroaniline | 127 | 5.596 | 5.596 | (1.015) | 593428 | 50.0000 | 49 |
| | 33 Hexachlorobutadiene | 225 | 5.672 | 5.672 | (1.029) | 297391 | 50.0000 | 48 |
| | 111 Caprolactam | 113 | 5.972 | 5.972 | (1.083) | 116726 | 50.0000 | 49 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.101 | 6.101 | (1.107) | 389581 | 50.0000 | 47 |
| | 34 2-Methylnaphthalene | 142 | 6.231 | 6.231 | (1.130) | 928738 | 50.0000 | 47 |
| | 120 1-Methylnaphthalene | 142 | 6.331 | 6.331 | (1.148) | 906874 | 50.0000 | 47 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.395 | 6.395 | (0.880) | 303479 | 50.0000 | 54 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.443 | 6.443 | (1.169) | 614641 | 50.0000 | 48 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.519 | 6.519 | (0.897) | 251648 | 50.0000 | 48 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.560 | 6.560 | (0.903) | 249211 | 50.0000 | 48 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.601 | 6.601 | (0.909) | 978718 | 50.0000 | 50 |
| | 102 Diphenyl | 154 | 6.695 | 6.695 | (0.921) | 1055918 | 50.0000 | 48 |
| | 36 2-Chloronaphthalene | 162 | 6.713 | 6.713 | (0.924) | 827934 | 50.0000 | 48 |
| | 103 Diphenyl Ether | 170 | 6.801 | 6.801 | (0.936) | 573735 | 50.0000 | 48 |
| | 37 2-Nitroaniline | 65 | 6.819 | 6.819 | (0.938) | 274218 | 50.0000 | 50 |
| | 123 1,3-Dimethylnaphthalene | 156 | 6.937 | 6.937 | (0.955) | 668441 | 50.0000 | 48 |
| | 38 Dimethylphthalate | 163 | 7.007 | 7.007 | (0.964) | 791524 | 50.0000 | 46 |
| | 114 Coumarin | 146 | 7.025 | 7.025 | (0.967) | 257104 | 50.0000 | 48 |
| | 40 2,6-Dinitrotoluene | 165 | 7.060 | 7.060 | (0.972) | 187351 | 50.0000 | 49 |
| | 39 Acenaphthylene | 152 | 7.125 | 7.125 | (0.981) | 1258630 | 50.0000 | 48 |
| | 41 3-Nitroaniline | 138 | 7.231 | 7.231 | (0.995) | 192159 | 50.0000 | 50 |
| * | 82 Acenaphthene-d10 | 164 | 7.266 | 7.266 | (1.000) | 550824 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.301 | 7.301 | (1.005) | 683113 | 50.0000 | 45 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.295 | 7.295 | (1.004) | 683379 | 50.0000 | 48 |
| | 11 2,4-Dinitrophenol | 184 | 7.331 | 7.331 | (1.009) | 73203 | 50.0000 | 47 |
| | 12 4-Nitrophenol | 65 | 7.407 | 7.407 | (1.019) | 117163 | 50.0000 | 49 |
| | 44 2,4-Dinitrotoluene | 165 | 7.460 | 7.460 | (1.027) | 217270 | 50.0000 | 48 |
| | 43 Dibenzofuran | 168 | 7.466 | 7.466 | (1.028) | 1016151 | 50.0000 | 46 |

Data File: /chem/BNAMS11.i/8270/09-21-09/28sep09.b/z4270.d
Report Date: 28-Sep-2009 09:07

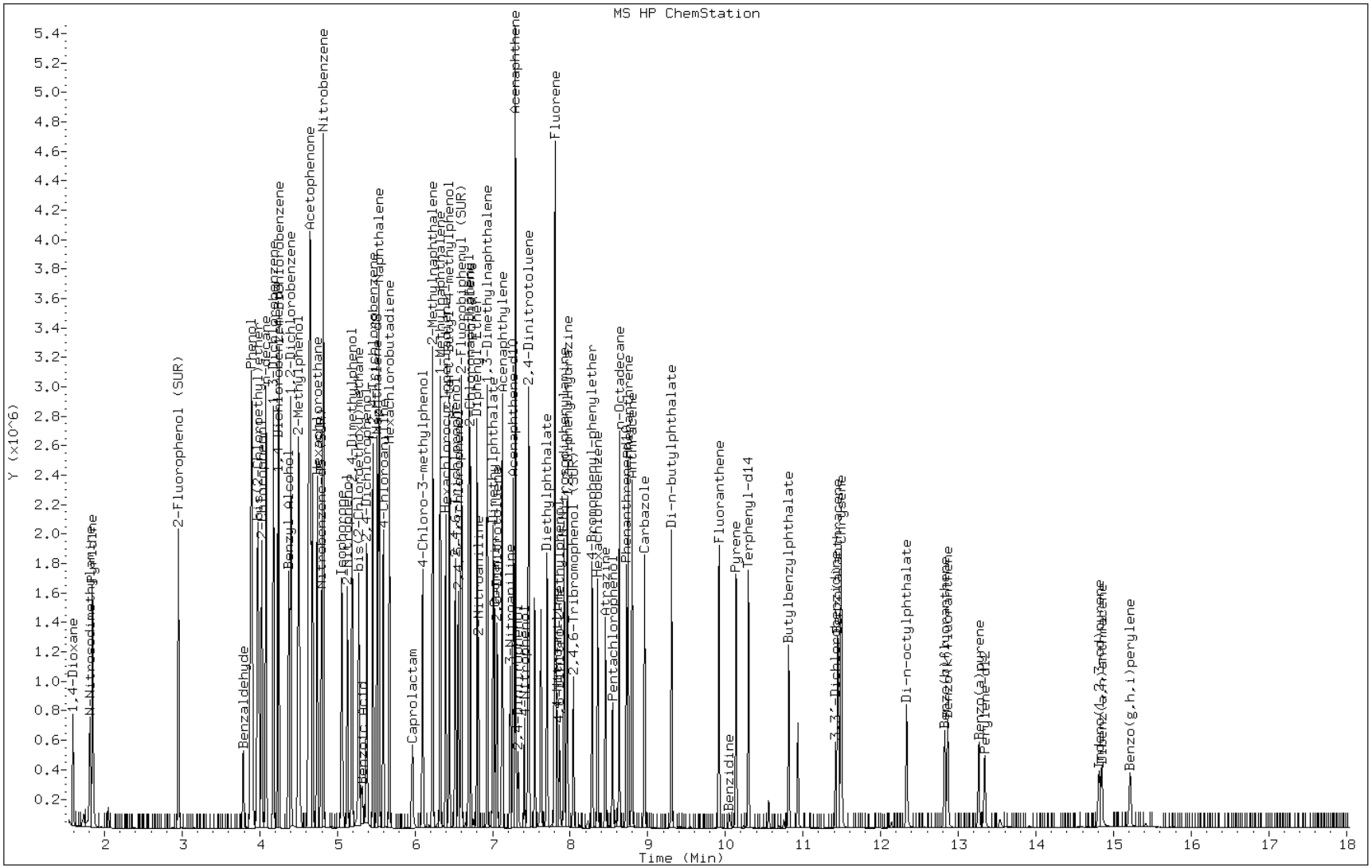
| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.701 | 7.701 | (1.060) | 750412 | 50.0000 | 47 |
| | 47 Fluorene | 166 | 7.807 | 7.807 | (1.074) | 768010 | 50.0000 | 46 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.807 | 7.807 | (1.074) | 373100 | 50.0000 | 46 |
| | 48 4-Nitroaniline | 138 | 7.831 | 7.831 | (1.078) | 164692 | 50.0000 | 50 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.860 | 7.860 | (0.901) | 97056 | 50.0000 | 51 |
| | 49 N-Nitrosodiphenylamine | 169 | 7.925 | 7.925 | (0.908) | 491077 | 50.0000 | 46 |
| | 75 1,2-Diphenylhydrazine | 77 | 7.960 | 7.960 | (0.912) | 889773 | 50.0000 | 47 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.042 | 8.042 | (1.107) | 96841 | 50.0000 | 51 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.284 | 8.284 | (0.949) | 213184 | 50.0000 | 48 |
| | 51 Hexachlorobenzene | 284 | 8.354 | 8.354 | (0.958) | 200613 | 50.0000 | 46 |
| | 112 Atrazine | 200 | 8.454 | 8.454 | (0.969) | 164759 | 50.0000 | 53 |
| | 14 Pentachlorophenol | 266 | 8.548 | 8.548 | (0.980) | 92592 | 50.0000 | 49 |
| | 115 n-Octadecane | 57 | 8.631 | 8.631 | (0.989) | 470160 | 50.0000 | 47 |
| * | 83 Phenanthrene-d10 | 188 | 8.725 | 8.725 | (1.000) | 671532 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.748 | 8.748 | (1.003) | 924588 | 50.0000 | 48 |
| | 53 Anthracene | 178 | 8.801 | 8.801 | (1.009) | 942035 | 50.0000 | 48 |
| | 54 Carbazole | 167 | 8.960 | 8.960 | (1.027) | 752360 | 50.0000 | 50 |
| | 55 Di-n-butylphthalate | 149 | 9.307 | 9.307 | (1.067) | 968182 | 50.0000 | 50 |
| | 56 Fluoranthene | 202 | 9.919 | 9.919 | (1.137) | 766861 | 50.0000 | 51 |
| | 58 Benzidine | 184 | 10.048 | 10.048 | (1.152) | 42890 | 50.0000 | 19 |
| | 57 Pyrene | 202 | 10.142 | 10.142 | (0.885) | 750829 | 50.0000 | 46 |
| $ | 78 Terphenyl-d14 | 244 | 10.295 | 10.295 | (0.898) | 548048 | 50.0000 | 52 |
| | 59 Butylbenzylphthalate | 149 | 10.813 | 10.813 | (0.944) | 294304 | 50.0000 | 49 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 10.919 | 10.919 | (0.953) | 1268 | 0.50000 | 0.89 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.419 | 11.419 | (0.996) | 129108 | 50.0000 | 48 |
| | 61 Benzo(a)anthracene | 228 | 11.448 | 11.448 | (0.999) | 494911 | 50.0000 | 48 |
| * | 81 Chrysene-d12 | 240 | 11.460 | 11.460 | (1.000) | 365584 | 40.0000 | |
| | 62 Chrysene | 228 | 11.489 | 11.489 | (1.003) | 464384 | 50.0000 | 48 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.495 | 11.495 | (1.003) | 378531 | 50.0000 | 49 |
| | 64 Di-n-octylphthalate | 149 | 12.336 | 12.336 | (0.925) | 520369 | 50.0000 | 53 |
| | 65 Benzo(b)fluoranthene | 252 | 12.830 | 12.830 | (0.962) | 347368 | 50.0000 | 50 |
| | 66 Benzo(k)fluoranthene | 252 | 12.866 | 12.866 | (0.964) | 394745 | 50.0000 | 52 |
| | 67 Benzo(a)pyrene | 252 | 13.266 | 13.266 | (0.994) | 306264 | 50.0000 | 52 |
| * | 84 Perylene-d12 | 264 | 13.342 | 13.342 | (1.000) | 243848 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 14.813 | 14.813 | (1.110) | 257363 | 50.0000 | 48 |
| | 69 Dibenz(a,h)anthracene | 278 | 14.848 | 14.848 | (1.113) | 265653 | 50.0000 | 50 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.213 | 15.213 | (1.140) | 264979 | 50.0000 | 48 |

Data File: z4270.d

Date: 28-SEP-2009 08:32

Client ID: Instrument: BNAMS11.i

Sample Info: CCVIS-210292 Operator: BNAMS 4



Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3791.d
Report Date: 14-Sep-2009 09:22

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3791.d
Lab Smp Id: DFTPP-61180
Inj Date  : 14-SEP-2009 08:55
Operator  : BNA2 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

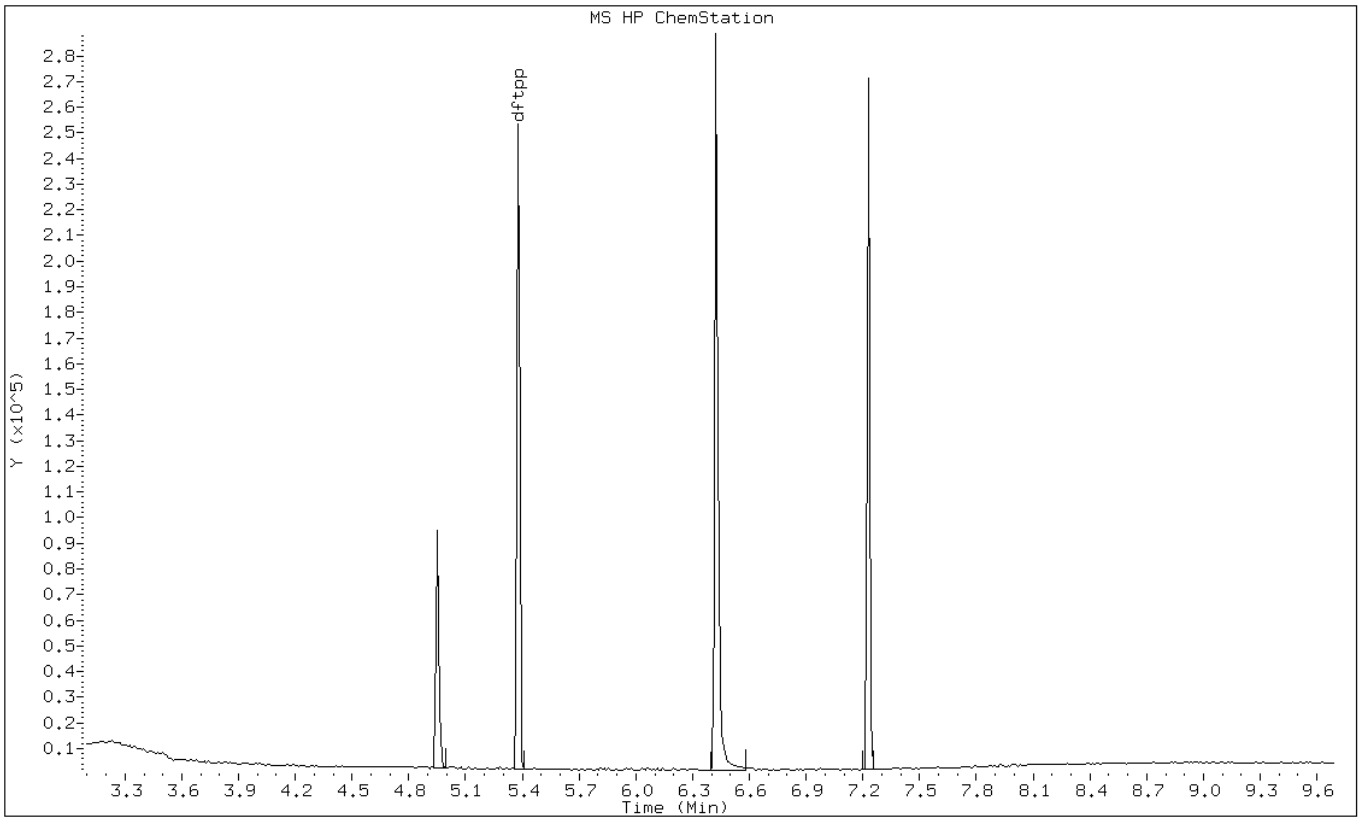
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.377 | 5.377 | 0.000 | 198 | 18560 | | | 0.00- 100.00 | 100.00 |
| 5.377 | 5.377 | 0.000 | 51 | 8174 | | | 30.00- 60.00 | 44.04 |
| 5.377 | 5.377 | 0.000 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.377 | 5.377 | 0.000 | 69 | 7281 | | | 0.00- 0.00 | 39.23 |
| 5.377 | 5.377 | 0.000 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.377 | 5.377 | 0.000 | 127 | 8976 | | | 40.00- 60.00 | 48.36 |
| 5.377 | 5.377 | 0.000 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.377 | 5.377 | 0.000 | 199 | 1195 | | | 5.00- 9.00 | 6.44 |
| 5.377 | 5.377 | 0.000 | 275 | 4073 | | | 10.00- 30.00 | 21.95 |
| 5.377 | 5.377 | 0.000 | 365 | 471 | | | 1.00- 0.00 | 2.54 |
| 5.377 | 5.377 | 0.000 | 441 | 1935 | | | 0.01- 100.00 | 72.64 |
| 5.377 | 5.377 | 0.000 | 442 | 13403 | | | 40.00- 110.00 | 72.21 |
| 5.377 | 5.377 | 0.000 | 443 | 2664 | | | 17.00- 23.00 | 19.88 |

Data File: z3791.d

Date: 14-SEP-2009 08:55

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2



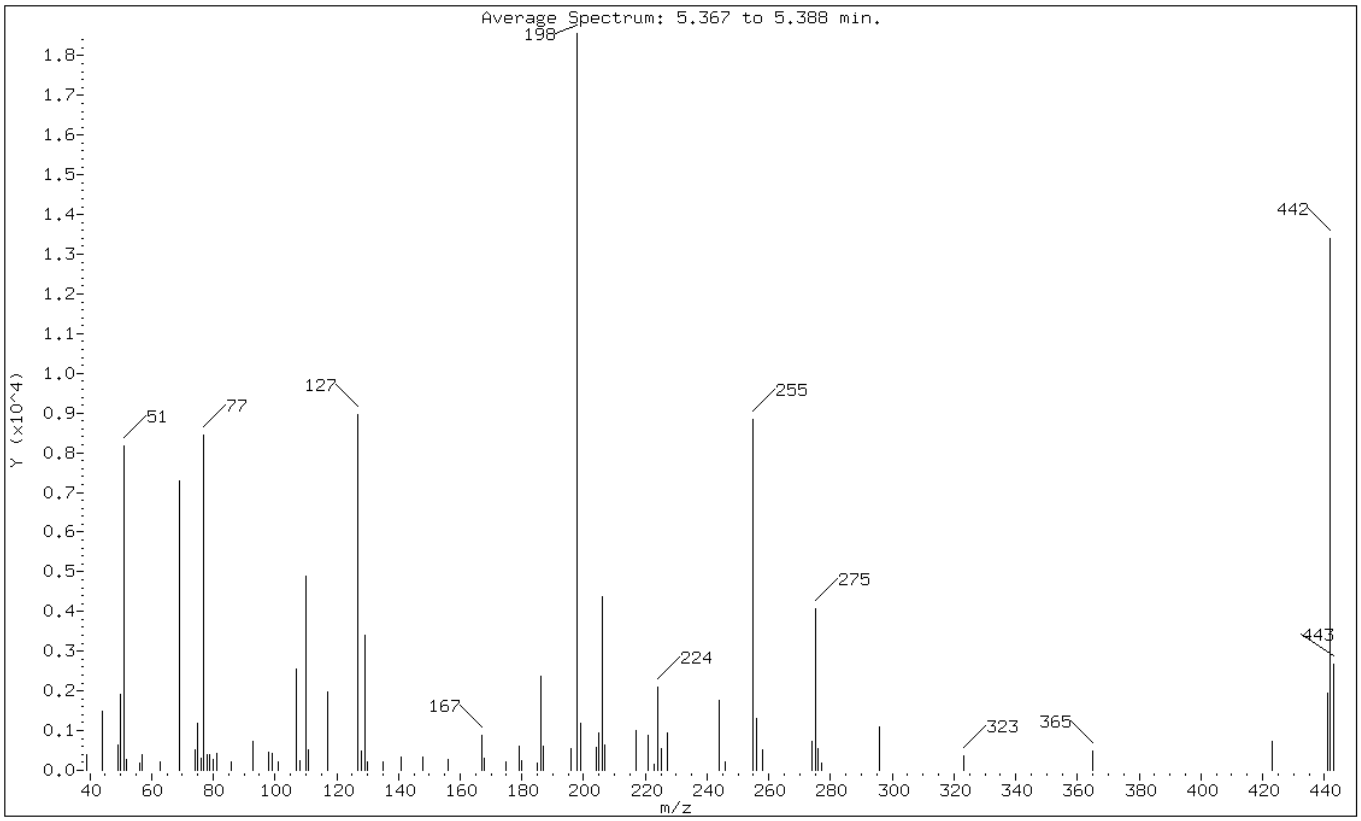
Data File: z3791.d

Date: 14-SEP-2009 08:55

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 44.04 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 39.23 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 48.36 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.44 |
| 275 | 10.00 - 30.00% of mass 198 | 21.95 |
| 365 | Greater than 1.00% of mass 198 | 2.54 |
| 441 | 0.01 - 100.00% of mass 443 | 10.43 ( 72.64) |
| 442 | 40.00 - 110.00% of mass 198 | 72.21 |
| 443 | 17.00 - 23.00% of mass 442 | 14.35 ( 19.88) |

Data File: z3791.d

Date: 14-SEP-2009 08:55

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3791.d
Spectrum: Average Spectrum: 5.367 to 5.388 min.
Location of Maximum: 198.00
Number of points: 73

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 404 | 93.00 | 743 | 175.00 | 215 | 244.00 | 1755 |
| 44.00 | 1479 | 98.00 | 469 | 179.00 | 609 | 246.00 | 219 |
| 49.00 | 631 | 99.00 | 422 | 180.00 | 250 | 255.00 | 8839 |
| 50.00 | 1915 | 101.00 | 202 | 185.00 | 171 | 256.00 | 1294 |
| 51.00 | 8174 | 107.00 | 2566 | 186.00 | 2380 | 258.00 | 515 |
| 52.00 | 274 | 108.00 | 256 | 187.00 | 620 | 274.00 | 728 |
| 56.00 | 192 | 110.00 | 4880 | 196.00 | 543 | 275.00 | 4073 |
| 57.00 | 402 | 111.00 | 503 | 198.00 | 18560 | 276.00 | 538 |
| 63.00 | 219 | 117.00 | 1964 | 199.00 | 1195 | 277.00 | 194 |
| 69.00 | 7281 | 127.00 | 8976 | 204.00 | 571 | 296.00 | 1093 |
| 74.00 | 511 | 128.00 | 472 | 205.00 | 947 | 323.00 | 358 |
| 75.00 | 1177 | 129.00 | 3413 | 206.00 | 4387 | 365.00 | 471 |
| 76.00 | 293 | 130.00 | 208 | 207.00 | 623 | 423.00 | 743 |
| 77.00 | 8433 | 135.00 | 215 | 217.00 | 1017 | 441.00 | 1935 |
| 78.00 | 400 | 141.00 | 321 | 221.00 | 896 | 442.00 | 13403 |
| 79.00 | 380 | 148.00 | 322 | 223.00 | 167 | 443.00 | 2664 |
| 80.00 | 272 | 156.00 | 266 | 224.00 | 2101 | | |
| 81.00 | 421 | 167.00 | 876 | 225.00 | 544 | | |
| 86.00 | 207 | 168.00 | 291 | 227.00 | 931 | | |

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3920.d
Report Date: 18-Sep-2009 11:05

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3920.d
Lab Smp Id: DFTPP-61180
Inj Date  : 18-SEP-2009 10:27
Operator  : BNA2 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/18sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

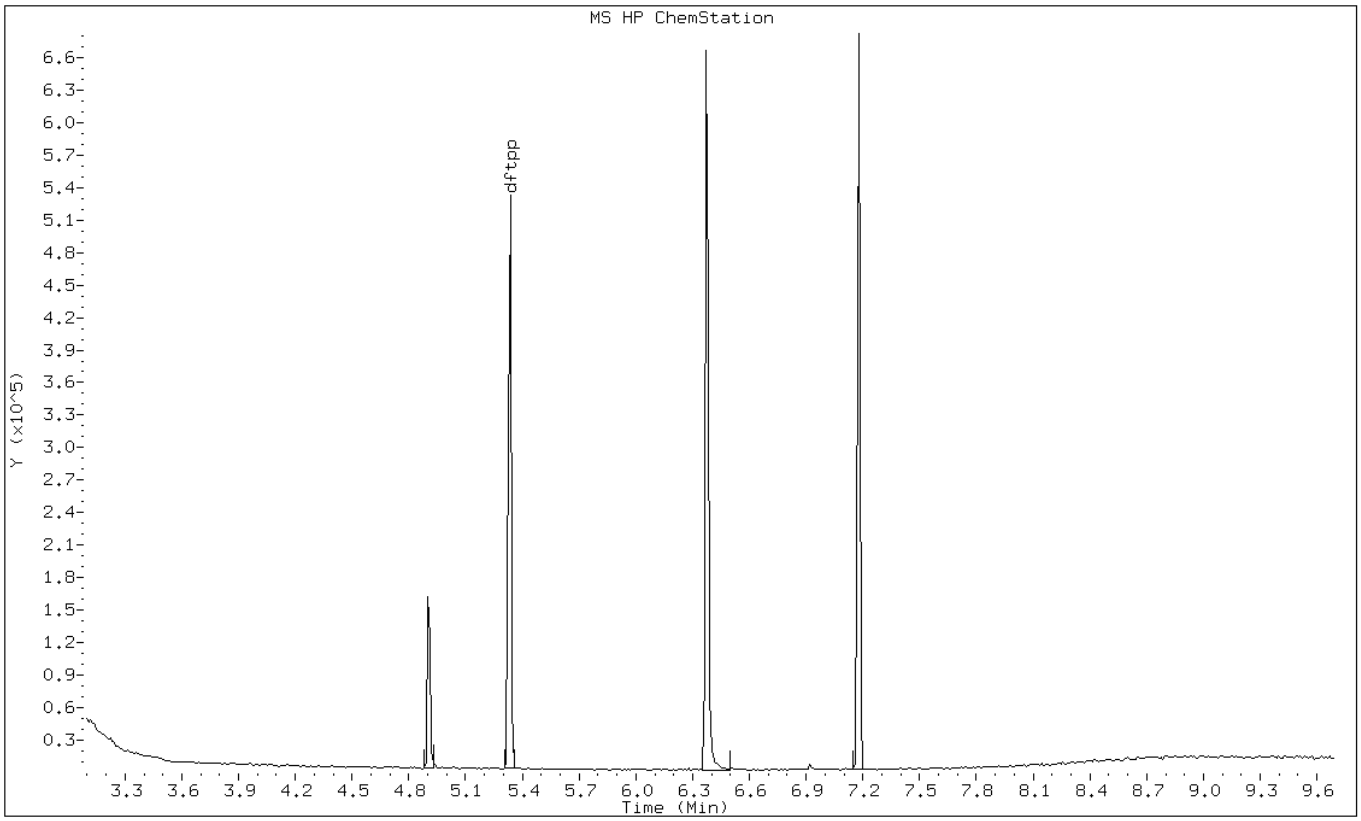
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.336 | 5.377 | -0.041 | 198 | 36343 | | | 0.00- 100.00 | 100.00 |
| 5.336 | 5.377 | -0.041 | 51 | 15223 | | | 30.00- 60.00 | 41.89 |
| 5.336 | 5.377 | -0.041 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.336 | 5.377 | -0.041 | 69 | 14250 | | | 0.00- 0.00 | 39.21 |
| 5.336 | 5.377 | -0.041 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.336 | 5.377 | -0.041 | 127 | 18603 | | | 40.00- 60.00 | 51.19 |
| 5.336 | 5.377 | -0.041 | 197 | 193 | | | 0.00- 1.00 | 0.53 |
| 5.336 | 5.377 | -0.041 | 199 | 2435 | | | 5.00- 9.00 | 6.70 |
| 5.336 | 5.377 | -0.041 | 275 | 9477 | | | 10.00- 30.00 | 26.08 |
| 5.336 | 5.377 | -0.041 | 365 | 854 | | | 1.00- 0.00 | 2.35 |
| 5.336 | 5.377 | -0.041 | 441 | 4595 | | | 0.01- 100.00 | 76.74 |
| 5.336 | 5.377 | -0.041 | 442 | 31943 | | | 40.00- 110.00 | 87.89 |
| 5.336 | 5.377 | -0.041 | 443 | 5988 | | | 17.00- 23.00 | 18.75 |

Data File: z3920.d

Date: 18-SEP-2009 10:27

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2



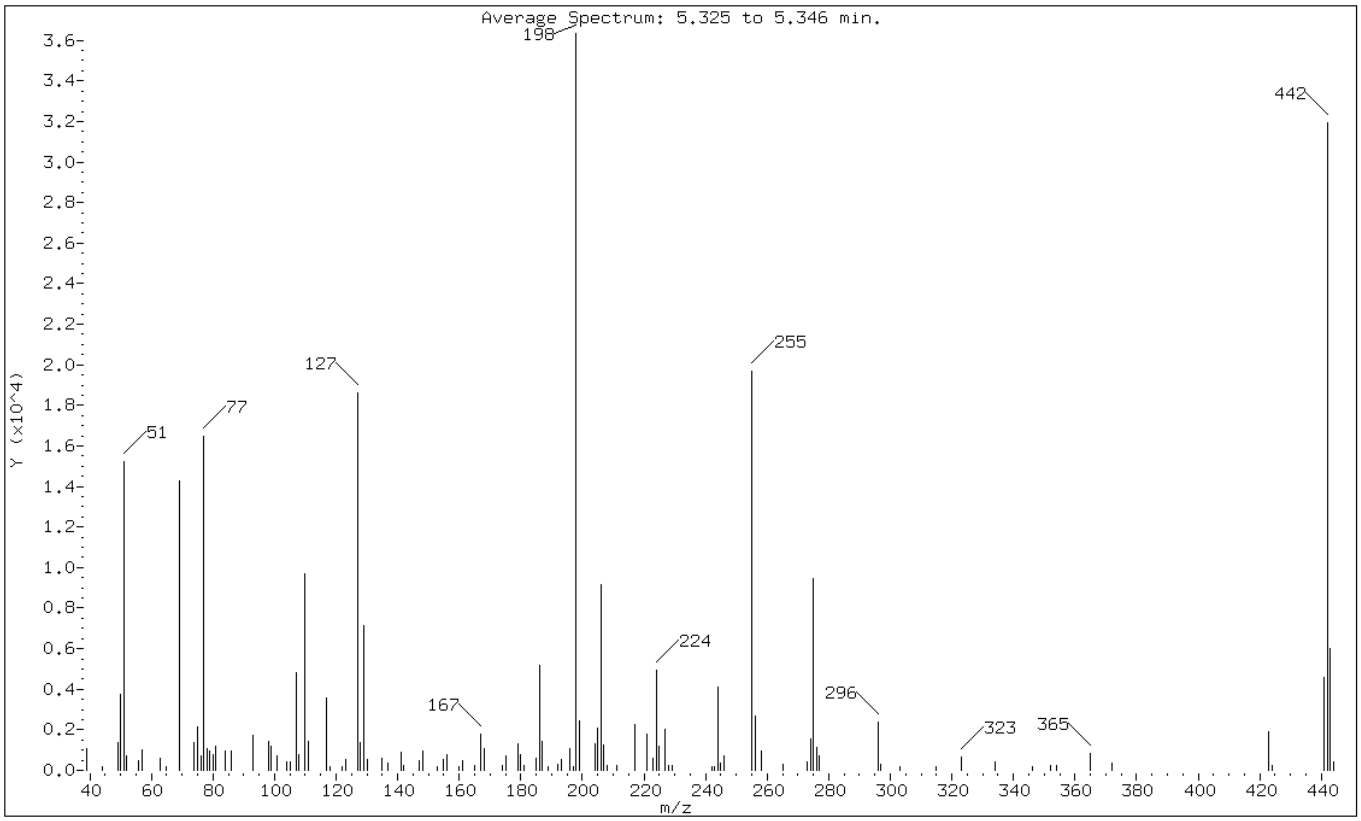
Data File: z3920.d

Date: 18-SEP-2009 10:27

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 41.89 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 39.21 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 51.19 |
| 197 | Less than 1.00% of mass 198 | 0.53 |
| 199 | 5.00 - 9.00% of mass 198 | 6.70 |
| 275 | 10.00 - 30.00% of mass 198 | 26.08 |
| 365 | Greater than 1.00% of mass 198 | 2.35 |
| 441 | 0.01 - 100.00% of mass 443 | 12.64 ( 76.74) |
| 442 | 40.00 - 110.00% of mass 198 | 87.89 |
| 443 | 17.00 - 23.00% of mass 442 | 16.48 ( 18.75) |

Data File: z3920.d

Date: 18-SEP-2009 10:27

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-14-09/18sep09.b/z3920.d
Spectrum: Average Spectrum: 5.325 to 5.346 min.
Location of Maximum: 198.00
Number of points: 113

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 1044 | 110.00 | 9720 | 185.00 | 583 | 255.00 | 19680 |
| 44.00 | 179 | 111.00 | 1411 | 186.00 | 5180 | 256.00 | 2697 |
| 49.00 | 1379 | 117.00 | 3542 | 187.00 | 1452 | 258.00 | 981 |
| 50.00 | 3721 | 118.00 | 181 | 189.00 | 207 | 265.00 | 286 |
| 51.00 | 15223 | 122.00 | 174 | 192.00 | 270 | 273.00 | 425 |
| 52.00 | 742 | 123.00 | 516 | 193.00 | 516 | 274.00 | 1563 |
| 56.00 | 473 | 127.00 | 18600 | 196.00 | 1084 | 275.00 | 9477 |
| 57.00 | 1005 | 128.00 | 1387 | 197.00 | 193 | 276.00 | 1129 |
| 63.00 | 614 | 129.00 | 7141 | 198.00 | 36336 | 277.00 | 698 |
| 65.00 | 183 | 130.00 | 557 | 199.00 | 2435 | 296.00 | 2359 |
| 69.00 | 14250 | 135.00 | 575 | 204.00 | 1325 | 297.00 | 286 |
| 74.00 | 1396 | 137.00 | 359 | 205.00 | 2088 | 303.00 | 193 |
| 75.00 | 2135 | 141.00 | 894 | 206.00 | 9178 | 315.00 | 195 |
| 76.00 | 699 | 142.00 | 214 | 207.00 | 1276 | 323.00 | 635 |
| 77.00 | 16448 | 147.00 | 489 | 208.00 | 220 | 334.00 | 401 |
| 78.00 | 1084 | 148.00 | 954 | 211.00 | 244 | 346.00 | 169 |
| 79.00 | 952 | 153.00 | 176 | 217.00 | 2260 | 352.00 | 216 |
| 80.00 | 756 | 155.00 | 547 | 221.00 | 1764 | 354.00 | 209 |
| 81.00 | 1215 | 156.00 | 760 | 223.00 | 584 | 365.00 | 854 |
| 84.00 | 957 | 160.00 | 197 | 224.00 | 4923 | 372.00 | 356 |
| 86.00 | 928 | 161.00 | 450 | 225.00 | 1218 | 423.00 | 1916 |
| 93.00 | 1696 | 165.00 | 221 | 227.00 | 1994 | 424.00 | 264 |
| 98.00 | 1423 | 167.00 | 1775 | 228.00 | 213 | 441.00 | 4595 |
| 99.00 | 1208 | 168.00 | 1067 | 229.00 | 260 | 442.00 | 31936 |
| 101.00 | 687 | 174.00 | 223 | 242.00 | 182 | 443.00 | 5988 |
| 104.00 | 405 | 175.00 | 696 | 243.00 | 181 | 444.00 | 442 |
| 105.00 | 439 | 179.00 | 1303 | 244.00 | 4129 | | |
| 107.00 | 4845 | 180.00 | 798 | 245.00 | 367 | | |
| 108.00 | 784 | 181.00 | 259 | 246.00 | 740 | | |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Report Date: 21-Sep-2009 06:37

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Lab Smp Id: DFTPP-61180
Inj Date  : 21-SEP-2009 00:31
Operator  : BNA2 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

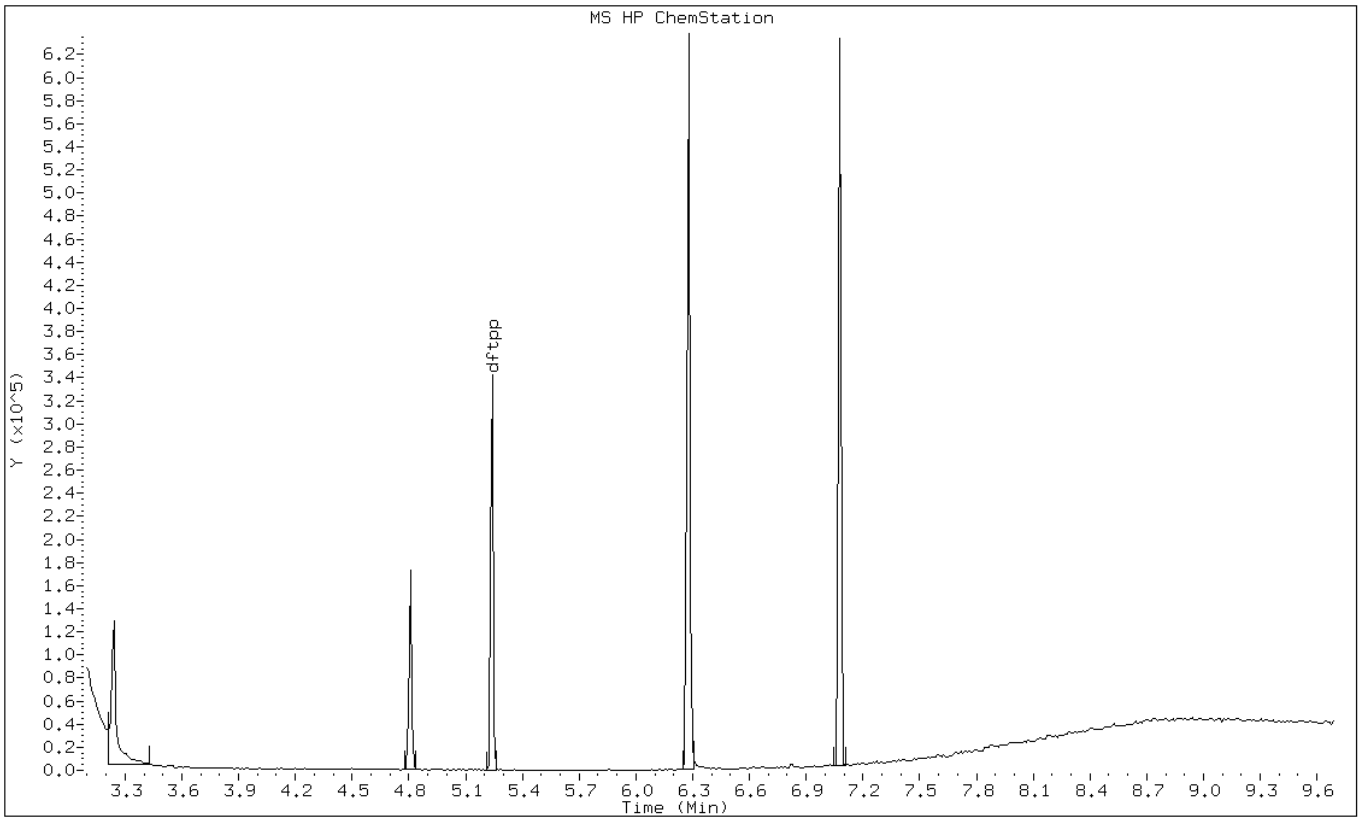
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.242 | 5.377 | -0.135 | 198 | 24154 | | | 0.00- 100.00 | 100.00 |
| 5.242 | 5.377 | -0.135 | 51 | 9514 | | | 30.00- 60.00 | 39.39 |
| 5.242 | 5.377 | -0.135 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 69 | 9052 | | | 0.00- 0.00 | 37.48 |
| 5.242 | 5.377 | -0.135 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 127 | 11815 | | | 40.00- 60.00 | 48.92 |
| 5.242 | 5.377 | -0.135 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 199 | 1541 | | | 5.00- 9.00 | 6.38 |
| 5.242 | 5.377 | -0.135 | 275 | 6290 | | | 10.00- 30.00 | 26.04 |
| 5.242 | 5.377 | -0.135 | 365 | 624 | | | 1.00- 0.00 | 2.58 |
| 5.242 | 5.377 | -0.135 | 441 | 3007 | | | 0.01- 100.00 | 72.01 |
| 5.242 | 5.377 | -0.135 | 442 | 21767 | | | 40.00- 110.00 | 90.12 |
| 5.242 | 5.377 | -0.135 | 443 | 4176 | | | 17.00- 23.00 | 19.19 |

Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2



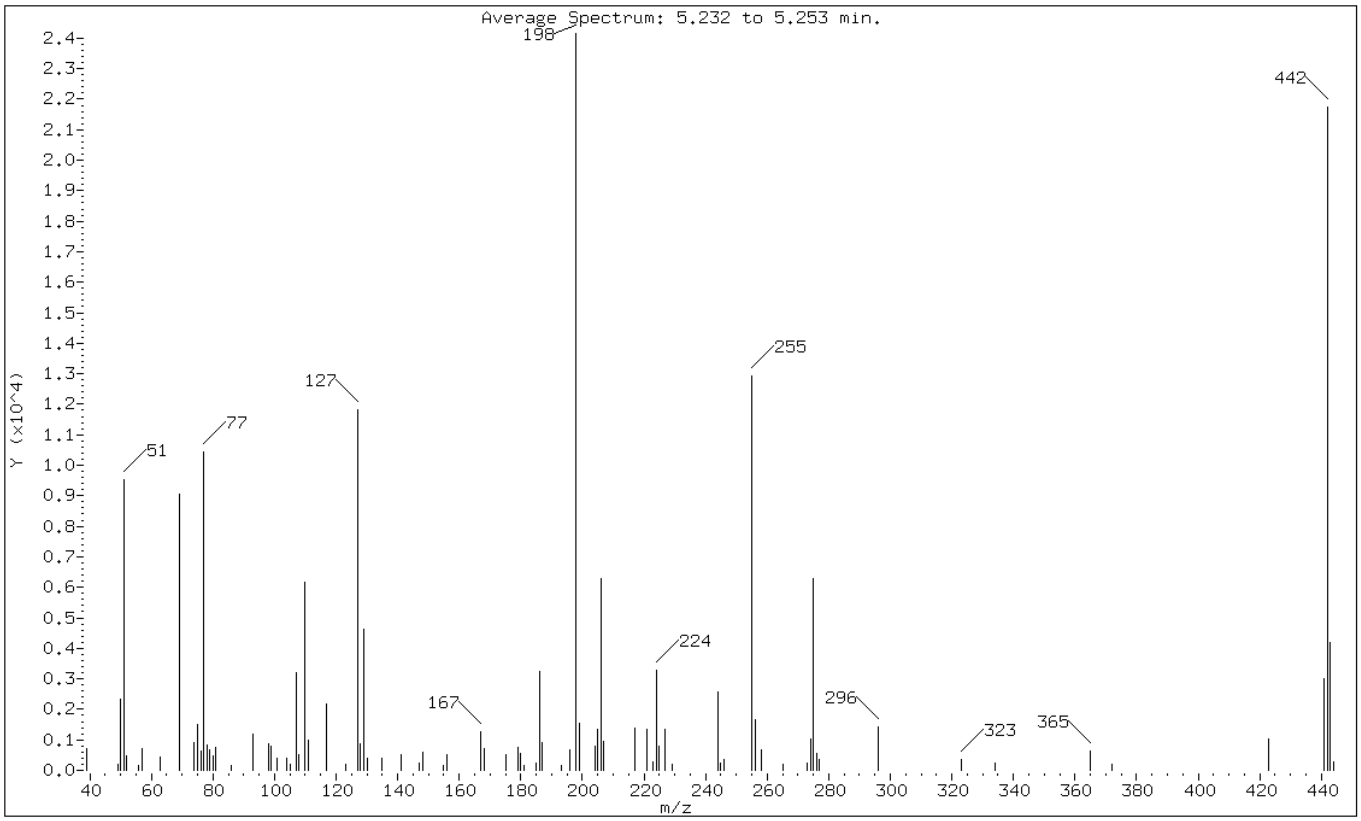
Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 39.39 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 37.48 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 48.92 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.38 |
| 275 | 10.00 - 30.00% of mass 198 | 26.04 |
| 365 | Greater than 1.00% of mass 198 | 2.58 |
| 441 | 0.01 - 100.00% of mass 443 | 12.45 ( 72.01) |
| 442 | 40.00 - 110.00% of mass 198 | 90.12 |
| 443 | 17.00 - 23.00% of mass 442 | 17.29 ( 19.19) |

Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Spectrum: Average Spectrum: 5.232 to 5.253 min.
Location of Maximum: 198.00
Number of points: 86

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 712 | 104.00 | 386 | 180.00 | 565 | 246.00 | 347 |
| 49.00 | 188 | 105.00 | 187 | 181.00 | 176 | 255.00 | 12940 |
| 50.00 | 2316 | 107.00 | 3194 | 185.00 | 248 | 256.00 | 1663 |
| 51.00 | 9514 | 108.00 | 531 | 186.00 | 3257 | 258.00 | 664 |
| 52.00 | 487 | 110.00 | 6169 | 187.00 | 914 | 265.00 | 193 |
| 56.00 | 173 | 111.00 | 971 | 193.00 | 173 | 273.00 | 252 |
| 57.00 | 699 | 117.00 | 2187 | 196.00 | 674 | 274.00 | 1036 |
| 63.00 | 424 | 123.00 | 200 | 198.00 | 24152 | 275.00 | 6290 |
| 69.00 | 9052 | 127.00 | 11815 | 199.00 | 1541 | 276.00 | 545 |
| 74.00 | 895 | 128.00 | 867 | 204.00 | 772 | 277.00 | 357 |
| 75.00 | 1484 | 129.00 | 4615 | 205.00 | 1343 | 296.00 | 1431 |
| 76.00 | 622 | 130.00 | 401 | 206.00 | 6287 | 323.00 | 369 |
| 77.00 | 10447 | 135.00 | 405 | 207.00 | 930 | 334.00 | 222 |
| 78.00 | 811 | 141.00 | 501 | 217.00 | 1399 | 365.00 | 624 |
| 79.00 | 656 | 147.00 | 218 | 221.00 | 1345 | 372.00 | 198 |
| 80.00 | 494 | 148.00 | 598 | 223.00 | 267 | 423.00 | 1025 |
| 81.00 | 756 | 155.00 | 170 | 224.00 | 3289 | 441.00 | 3007 |
| 86.00 | 171 | 156.00 | 513 | 225.00 | 776 | 442.00 | 21760 |
| 93.00 | 1190 | 167.00 | 1276 | 227.00 | 1358 | 443.00 | 4176 |
| 98.00 | 857 | 168.00 | 723 | 229.00 | 183 | 444.00 | 272 |
| 99.00 | 785 | 175.00 | 502 | 244.00 | 2575 | | |
| 101.00 | 379 | 179.00 | 739 | 245.00 | 237 | | |

Data File: /chem/BNAMS11.i/8270/09-21-09/28sep09.b/z4269.d
Report Date: 28-Sep-2009 08:38

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-21-09/28sep09.b/z4269.d
Lab Smp Id: DFTPP-61180
Inj Date  : 28-SEP-2009 08:12
Operator  : BNA2 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/28sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.087 | 5.377 | -0.290 | 198 | 27719 | | | 0.00- 100.00 | 100.00 |
| 5.087 | 5.377 | -0.290 | 51 | 10866 | | | 30.00- 60.00 | 39.20 |
| 5.087 | 5.377 | -0.290 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.087 | 5.377 | -0.290 | 69 | 10629 | | | 0.00- 0.00 | 38.35 |
| 5.087 | 5.377 | -0.290 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.087 | 5.377 | -0.290 | 127 | 14023 | | | 40.00- 60.00 | 50.59 |
| 5.087 | 5.377 | -0.290 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.087 | 5.377 | -0.290 | 199 | 1938 | | | 5.00- 9.00 | 6.99 |
| 5.087 | 5.377 | -0.290 | 275 | 6558 | | | 10.00- 30.00 | 23.66 |
| 5.087 | 5.377 | -0.290 | 365 | 856 | | | 1.00- 0.00 | 3.09 |
| 5.087 | 5.377 | -0.290 | 441 | 3268 | | | 0.01- 100.00 | 74.14 |
| 5.087 | 5.377 | -0.290 | 442 | 22606 | | | 40.00- 110.00 | 81.55 |
| 5.087 | 5.377 | -0.290 | 443 | 4408 | | | 17.00- 23.00 | 19.50 |

Data File: z4269.d

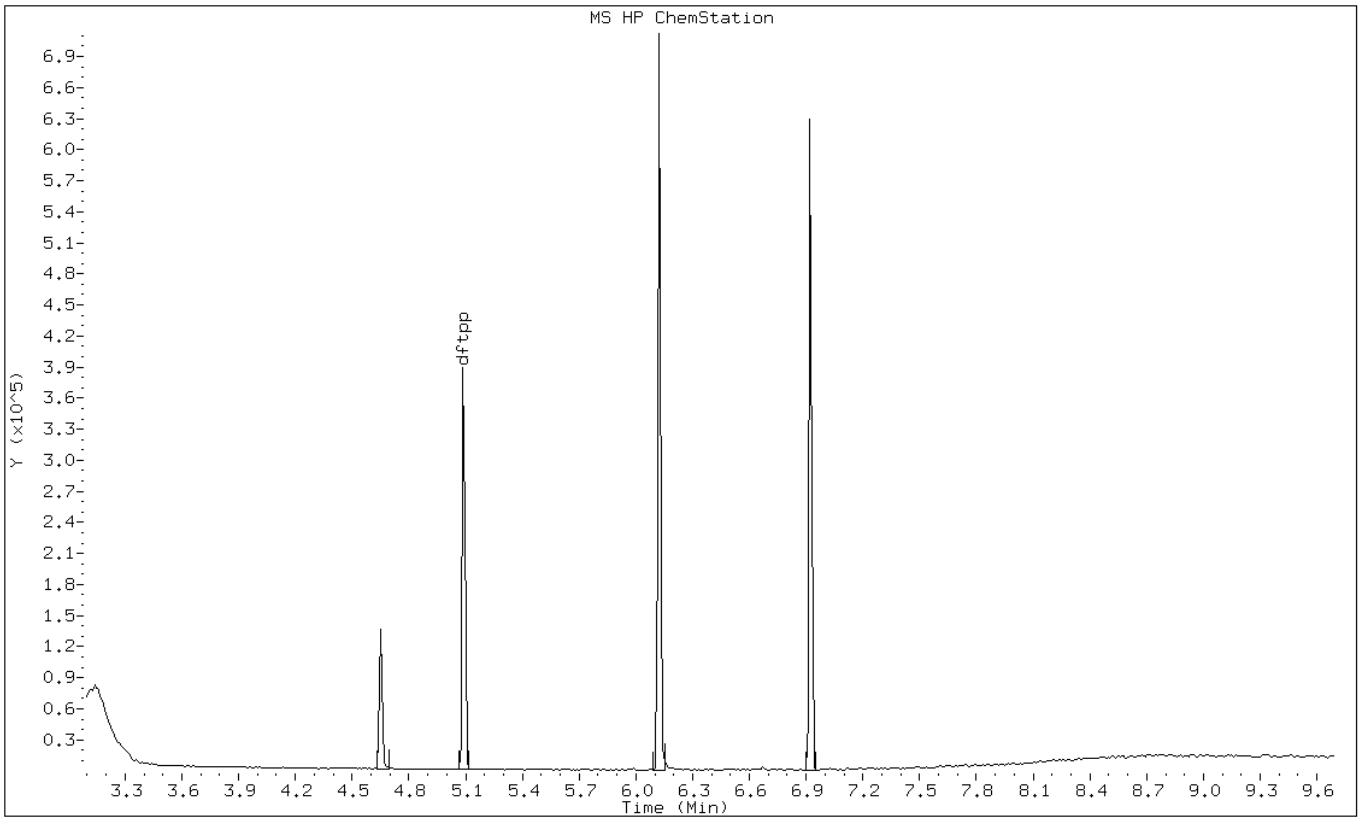
Date: 28-SEP-2009 08:12

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-61180

Operator: BNA2



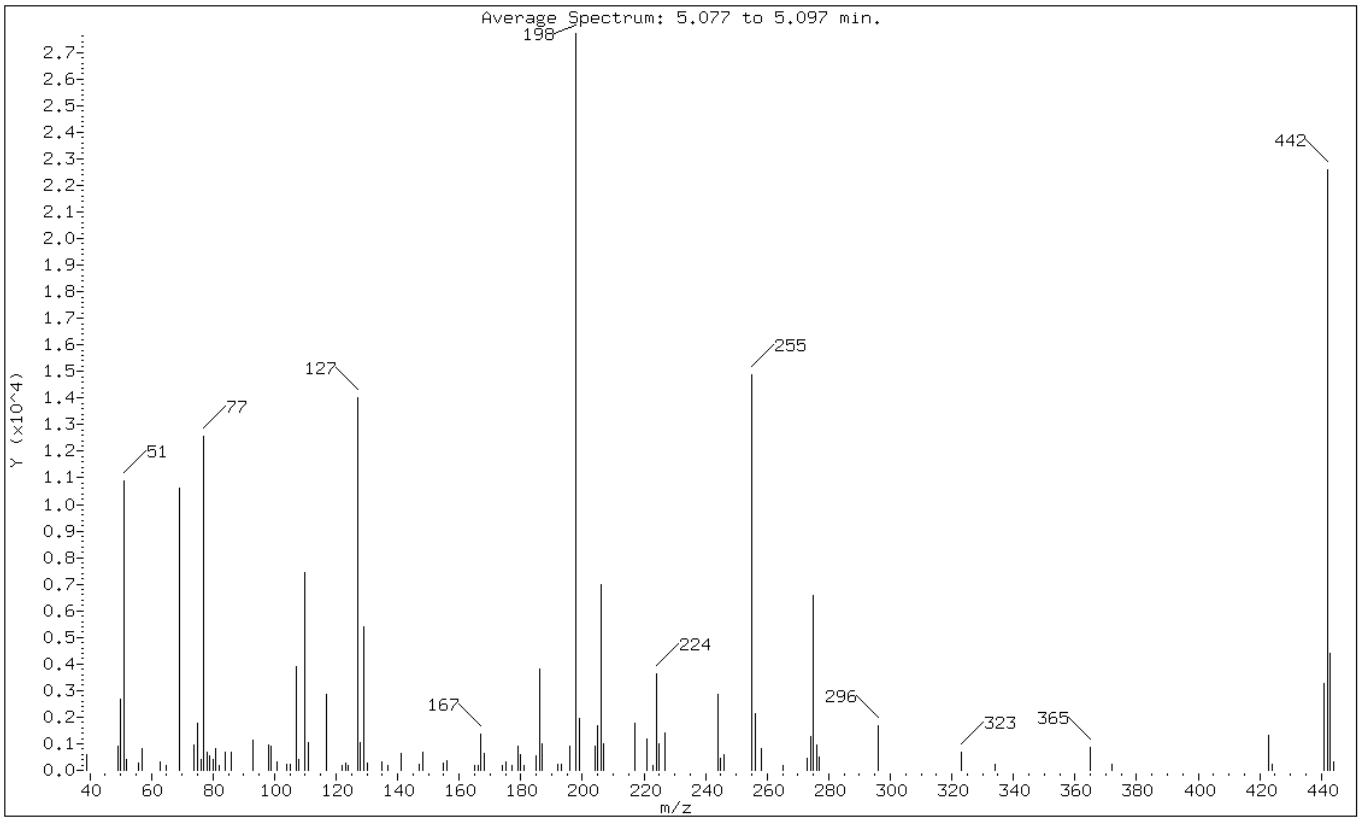
Data File: z4269.d

Date: 28-SEP-2009 08:12

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 39.20 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 38.35 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 50.59 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.99 |
| 275 | 10.00 - 30.00% of mass 198 | 23.66 |
| 365 | Greater than 1.00% of mass 198 | 3.09 |
| 441 | 0.01 - 100.00% of mass 443 | 11.79 ( 74.14) |
| 442 | 40.00 - 110.00% of mass 198 | 81.55 |
| 443 | 17.00 - 23.00% of mass 442 | 15.90 ( 19.50) |

Data File: z4269.d

Date: 28-SEP-2009 08:12

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-21-09/28sep09.b/z4269.d
Spectrum: Average Spectrum: 5.077 to 5.097 min.
Location of Maximum: 198.00
Number of points: 97

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 586 | 104.00 | 210 | 174.00 | 197 | 245.00 | 445 |
| 49.00 | 901 | 105.00 | 230 | 175.00 | 319 | 246.00 | 597 |
| 50.00 | 2658 | 107.00 | 3889 | 177.00 | 198 | 255.00 | 14869 |
| 51.00 | 10866 | 108.00 | 430 | 179.00 | 908 | 256.00 | 2118 |
| 52.00 | 427 | 110.00 | 7446 | 180.00 | 597 | 258.00 | 807 |
| 56.00 | 258 | 111.00 | 1045 | 181.00 | 173 | 265.00 | 184 |
| 57.00 | 829 | 117.00 | 2863 | 185.00 | 534 | 273.00 | 459 |
| 63.00 | 295 | 122.00 | 171 | 186.00 | 3826 | 274.00 | 1272 |
| 65.00 | 178 | 123.00 | 277 | 187.00 | 1016 | 275.00 | 6558 |
| 69.00 | 10629 | 124.00 | 171 | 192.00 | 226 | 276.00 | 956 |
| 74.00 | 960 | 127.00 | 14023 | 193.00 | 207 | 277.00 | 520 |
| 75.00 | 1760 | 128.00 | 1065 | 196.00 | 914 | 296.00 | 1699 |
| 76.00 | 419 | 129.00 | 5389 | 198.00 | 27712 | 323.00 | 689 |
| 77.00 | 12546 | 130.00 | 294 | 199.00 | 1938 | 334.00 | 241 |
| 78.00 | 678 | 135.00 | 332 | 204.00 | 886 | 365.00 | 856 |
| 79.00 | 552 | 137.00 | 192 | 205.00 | 1662 | 372.00 | 234 |
| 80.00 | 413 | 141.00 | 633 | 206.00 | 6971 | 423.00 | 1327 |
| 81.00 | 806 | 147.00 | 248 | 207.00 | 1013 | 424.00 | 211 |
| 82.00 | 184 | 148.00 | 695 | 217.00 | 1775 | 441.00 | 3268 |
| 84.00 | 662 | 155.00 | 251 | 221.00 | 1161 | 442.00 | 22600 |
| 86.00 | 667 | 156.00 | 344 | 223.00 | 198 | 443.00 | 4408 |
| 93.00 | 1142 | 165.00 | 180 | 224.00 | 3616 | 444.00 | 318 |
| 98.00 | 939 | 166.00 | 168 | 225.00 | 986 | | |
| 99.00 | 897 | 167.00 | 1379 | 227.00 | 1410 | | |
| 101.00 | 321 | 168.00 | 645 | 244.00 | 2872 | | |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-17294/1-A

Matrix: Water | Lab File ID: z4273.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/28/2009 10:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 18146 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 73 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 47 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 77 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 37 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 75 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 70 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/28sep09.b/z4273.d
Report Date: 28-Sep-2009 10:38

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/28sep09.b/z4273.d
Lab Smp Id: MB 460-17294/1-A
Inj Date  : 28-SEP-2009 10:00
Operator  : BNAMS 4 Inst ID: BNAMS11.i
Smp Info  : MB 460-17294/1-A
Misc Info : MB 460-17294/1-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/28sep09.b/8270C_08SP.m
Meth Date : 28-Sep-2009 09:07 croccom Quant Type: ISTD
Cal Date  : 28-SEP-2009 08:32 Cal File: z4270.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.625 | 1.596 | (0.384) | 1217 | 0.16892 | 0.34(a) |
| $ 16 2-Fluorophenol (SUR) | 112 | 2.954 | 2.955 | (0.698) | 388854 | 23.5683 | 47 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.866 | 3.884 | (0.914) | 325177 | 18.2700 | 36 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.231 | 4.231 | (1.000) | 490863 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.395 | 4.401 | (1.039) | 3035 | 0.16375 | 0.33(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.784 | 4.796 | (0.868) | 646552 | 38.3780 | 77 |
| * 80 Naphthalene-d8 | 136 | 5.513 | 5.513 | (1.000) | 1774878 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.595 | 6.601 | (0.908) | 1122820 | 36.5556 | 73 |
| * 82 Acenaphthene-d10 | 164 | 7.260 | 7.266 | (1.000) | 864333 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.036 | 8.042 | (1.107) | 106512 | 35.0462 | 70 |
| * 83 Phenanthrene-d10 | 188 | 8.725 | 8.725 | (1.000) | 1141101 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.295 | 10.295 | (0.899) | 643728 | 37.4115 | 75 |
| * 81 Chrysene-d12 | 240 | 11.454 | 11.460 | (1.000) | 573900 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.336 | 13.342 | (1.000) | 351424 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/28sep09.b/z4273.d
Report Date: 28-Sep-2009 10:38

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z4273.d

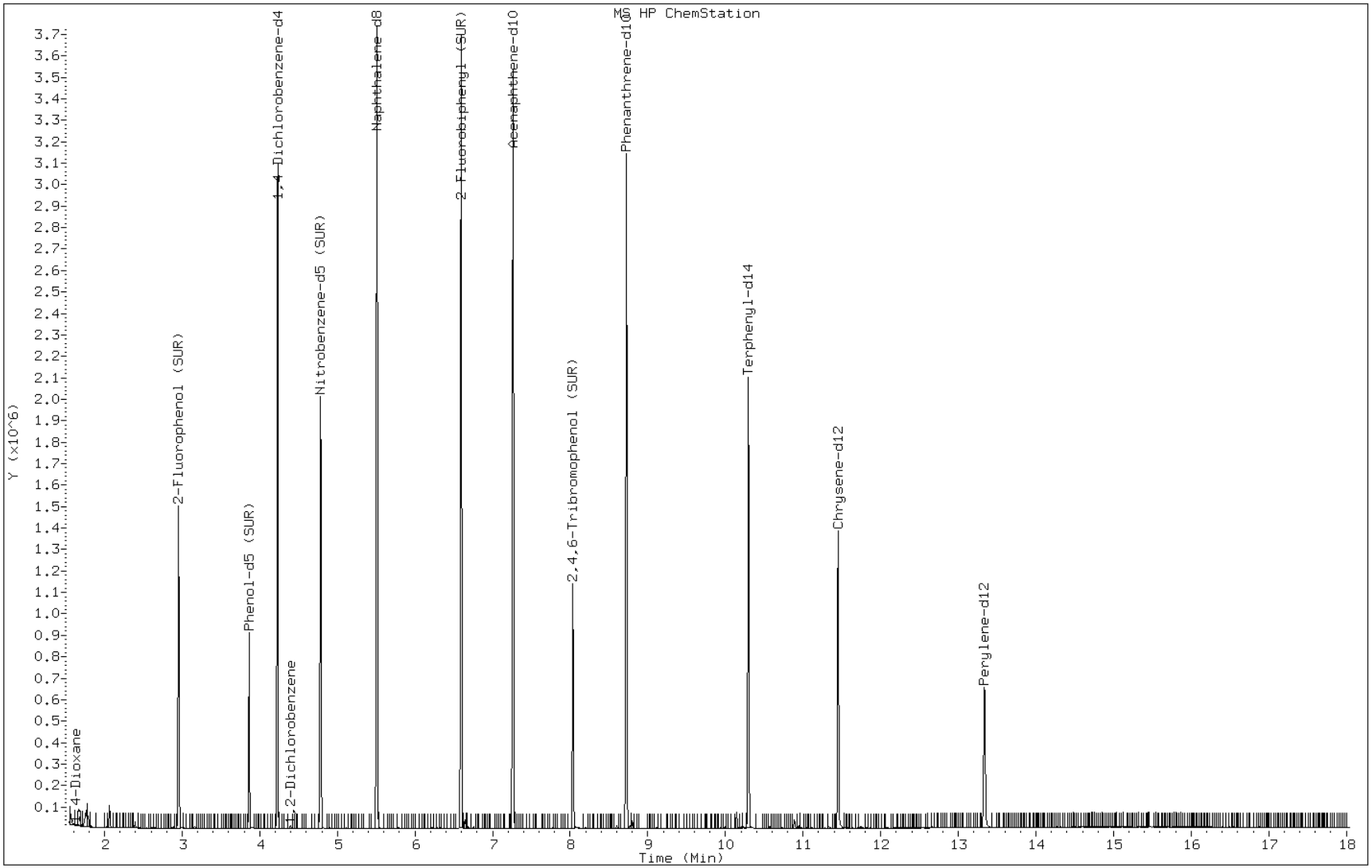
Date: 28-SEP-2009 10:00

Client ID:

Instrument: BNAMS11.i

Sample Info: MB 460-17294/1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-17294/2-A

Matrix: Water | Lab File ID: z4018.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/21/2009 07:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 71.1 | | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 76.7 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 91 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 56 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 89 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 41 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 85 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 79 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4018.d
Report Date: 21-Sep-2009 13:30

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4018.d
Lab Smp Id: LCS 460-17294/2-A
Inj Date : 21-SEP-2009 07:30
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : LCS 460-17294/2-A
Misc Info : LCS 460-17294/2-A
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 10 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.946 | 1.928 | (0.445) | 254103 | 29.7467 | 59 |
| | 71 Pyridine | 79 | 1.975 | 1.957 | (0.452) | 412129 | 26.8417 | 54 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.087 | 3.081 | (0.706) | 394385 | 27.9965 | 56 |
| | 110 Benzaldehyde | 77 | 3.928 | 3.922 | (0.899) | 417433 | 49.4713 | 99 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.998 | 4.010 | (0.915) | 308797 | 20.5811 | 41 |
| | 1 Phenol | 94 | 4.016 | 4.022 | (0.919) | 361824 | 20.9673 | 42 |
| | 73 Aniline | 93 | 4.040 | 4.040 | (0.925) | 740710 | 35.5596 | 71 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.098 | 4.098 | (0.938) | 603424 | 42.8538 | 86 |
| | 2 2-Chlorophenol | 128 | 4.163 | 4.163 | (0.953) | 592802 | 40.3477 | 81 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.987) | 723187 | 40.8853 | 82 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.369 | (1.000) | 428866 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.387 | 4.381 | (1.004) | 724879 | 40.7270 | 81 |
| | 74 Benzyl Alcohol | 108 | 4.504 | 4.510 | (1.031) | 337335 | 39.4354 | 79 |
| | 23 1,2-Dichlorobenzene | 146 | 4.540 | 4.540 | (1.039) | 682140 | 41.6181 | 83 |
| | 3 2-Methylphenol | 108 | 4.628 | 4.628 | (1.059) | 419922 | 36.4409 | 73 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4018.d
Report Date: 21-Sep-2009 13:30

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.640 | 4.640 | (1.062) | 640556 | 42.9169 | 86 |
| | 104 Acetophenone | 105 | 4.775 | 4.775 | (1.093) | 762061 | 45.6862 | 91 |
| | 4 4-Methylphenol | 108 | 4.781 | 4.781 | (1.094) | 358321 | 29.6189 | 59 |
| | 124 3 & 4 methylphenol | 108 | 4.781 | 4.781 | (1.094) | 358321 | 29.6189 | 59 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.781 | 4.781 | (1.094) | 365602 | 44.6568 | 89 |
| | 26 Hexachloroethane | 117 | 4.881 | 4.881 | (1.117) | 282206 | 40.6859 | 81 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.928 | 4.928 | (0.872) | 617297 | 44.3372 | 89 |
| | 27 Nitrobenzene | 77 | 4.951 | 4.951 | (0.876) | 780426 | 41.1739 | 82 |
| | 107 N,N-Dimethylaniline | 120 | 4.951 | 4.951 | (1.133) | 803206 | 38.3607 | 77 |
| | 28 Isophorone | 82 | 5.187 | 5.187 | (0.918) | 1015098 | 42.8900 | 86 |
| | 5 2-Nitrophenol | 139 | 5.269 | 5.263 | (0.932) | 313885 | 42.3876 | 85 |
| | 6 2,4-Dimethylphenol | 122 | 5.316 | 5.316 | (0.941) | 416044 | 37.7635 | 76 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.410 | 5.404 | (0.957) | 620251 | 42.7456 | 85 |
| | 15 Benzoic Acid | 122 | 5.404 | 5.445 | (0.956) | 34139 | 8.34126 | 17 |
| | 7 2,4-Dichlorophenol | 162 | 5.516 | 5.510 | (0.976) | 425052 | 43.1649 | 86 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.592 | 5.592 | (0.990) | 518962 | 41.6808 | 83 |
| * | 80 Naphthalene-d8 | 136 | 5.651 | 5.651 | (1.000) | 1487934 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.675 | 5.669 | (1.004) | 1628277 | 41.2193 | 82 |
| | 32 4-Chloroaniline | 127 | 5.728 | 5.728 | (1.014) | 610064 | 41.5373 | 83 |
| | 33 Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.027) | 314206 | 42.3288 | 85 |
| | 111 Caprolactam | 113 | 6.081 | 6.104 | (1.076) | 40078 | 13.2584 | 26 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.222 | 6.228 | (1.101) | 392607 | 39.1783 | 78 |
| | 34 2-Methylnaphthalene | 142 | 6.369 | 6.363 | (1.127) | 985920 | 42.3194 | 85 |
| | 120 1-Methylnaphthalene | 142 | 6.463 | 6.463 | (1.144) | 11834 | 0.53200 | 1.1(a) |
| | 35 Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 249616 | 35.6132 | 71 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.651 | 6.651 | (0.898) | 267055 | 44.3568 | 89 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.687 | 6.692 | (0.903) | 263480 | 44.1187 | 88 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.734 | 6.734 | (0.909) | 1001663 | 45.4102 | 91 |
| | 102 Diphenyl | 154 | 6.834 | 6.834 | (0.923) | 1125048 | 44.5582 | 89 |
| | 36 2-Chloronaphthalene | 162 | 6.851 | 6.851 | (0.925) | 870271 | 43.3303 | 87 |
| | 103 Diphenyl Ether | 170 | 6.939 | 6.939 | (0.937) | 595532 | 42.9666 | 86 |
| | 37 2-Nitroaniline | 65 | 6.957 | 6.957 | (0.940) | 287550 | 41.9573 | 84 |
| | 38 Dimethylphthalate | 163 | 7.139 | 7.139 | (0.964) | 829652 | 41.9052 | 84 |
| | 40 2,6-Dinitrotoluene | 165 | 7.192 | 7.198 | (0.971) | 186234 | 40.9560 | 82 |
| | 39 Acenaphthylene | 152 | 7.263 | 7.263 | (0.981) | 1288080 | 41.6595 | 83 |
| | 41 3-Nitroaniline | 138 | 7.363 | 7.363 | (0.994) | 184024 | 40.4045 | 81 |
| * | 82 Acenaphthene-d10 | 164 | 7.404 | 7.404 | (1.000) | 649841 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.434 | 7.439 | (1.004) | 753116 | 43.1200 | 86 |
| | 11 2,4-Dinitrophenol | 184 | 7.457 | 7.463 | (1.007) | 68491 | 36.2110 | 72 |
| | 12 4-Nitrophenol | 65 | 7.528 | 7.534 | (1.017) | 48427 | 16.4106 | 33 |
| | 44 2,4-Dinitrotoluene | 165 | 7.592 | 7.592 | (1.025) | 214392 | 39.7638 | 80 |
| | 43 Dibenzofuran | 168 | 7.604 | 7.604 | (1.027) | 1050276 | 42.0429 | 84 |
| | 45 Diethylphthalate | 149 | 7.834 | 7.833 | (1.058) | 758145 | 40.1482 | 80 |
| | 47 Fluorene | 166 | 7.945 | 7.945 | (1.073) | 782924 | 40.9718 | 82 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.945 | (1.072) | 384257 | 41.9548 | 84 |
| | 48 4-Nitroaniline | 138 | 7.969 | 7.969 | (1.076) | 155519 | 39.7608 | 80 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.992 | 7.998 | (0.902) | 89598 | 41.4028 | 83 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4018.d
Report Date: 21-Sep-2009 13:30

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 49 N-Nitrosodiphenylamine | 169 | 8.063 | 8.063 | (0.910) | 523404 | 48.4176 | 97 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.098 | 8.098 | (0.914) | 889785 | 44.2270 | 88 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.181 | 8.181 | (1.105) | 90324 | 39.7365 | 79 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.422 | 8.422 | (0.950) | 206252 | 43.1379 | 86 |
| | 51 Hexachlorobenzene | 284 | 8.492 | 8.492 | (0.958) | 191388 | 42.1170 | 84 |
| | 112 Atrazine | 200 | 8.586 | 8.586 | (0.969) | 149525 | 43.4797 | 87 |
| | 14 Pentachlorophenol | 266 | 8.686 | 8.686 | (0.980) | 82338 | 38.7650 | 78 |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 728871 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.892 | 8.892 | (1.003) | 886138 | 42.5484 | 85 |
| | 53 Anthracene | 178 | 8.939 | 8.939 | (1.009) | 892615 | 42.3378 | 85 |
| | 54 Carbazole | 167 | 9.098 | 9.098 | (1.027) | 689541 | 42.8377 | 86 |
| | 55 Di-n-butylphthalate | 149 | 9.439 | 9.439 | (1.065) | 908399 | 42.1448 | 84 |
| | 56 Fluoranthene | 202 | 10.057 | 10.063 | (1.135) | 696232 | 42.5633 | 85 |
| | 58 Benzidine | 184 | 10.186 | 10.186 | (1.149) | 55394 | 26.5201 | 53(R) |
| | 57 Pyrene | 202 | 10.286 | 10.286 | (0.884) | 678379 | 39.8665 | 80 |
| $ | 78 Terphenyl-d14 | 244 | 10.439 | 10.439 | (0.897) | 456594 | 42.6750 | 85 |
| | 59 Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.942) | 272481 | 42.1081 | 84 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 127212 | 42.9691 | 86 |
| | 61 Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.998) | 453759 | 42.4519 | 85 |
| * | 81 Chrysene-d12 | 240 | 11.633 | 11.633 | (1.000) | 386820 | 40.0000 | |
| | 62 Chrysene | 228 | 11.663 | 11.669 | (1.003) | 434753 | 43.4694 | 87 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.002) | 342988 | 41.4670 | 83 |
| | 64 Di-n-octylphthalate | 149 | 12.516 | 12.521 | (0.924) | 467467 | 40.1433 | 80 |
| | 65 Benzo(b)fluoranthene | 252 | 13.027 | 13.027 | (0.961) | 342753 | 42.9714 | 86 |
| | 66 Benzo(k)fluoranthene | 252 | 13.063 | 13.068 | (0.964) | 380956 | 42.5017 | 85 |
| | 67 Benzo(a)pyrene | 252 | 13.468 | 13.474 | (0.994) | 255899 | 36.6904 | 73 |
| * | 84 Perylene-d12 | 264 | 13.551 | 13.551 | (1.000) | 271875 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.068 | 15.074 | (1.112) | 271827 | 45.5692 | 91(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.104 | 15.110 | (1.115) | 274512 | 43.8824 | 88 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.492 | 15.498 | (1.143) | 283020 | 44.9538 | 90 |

QC Flag Legend

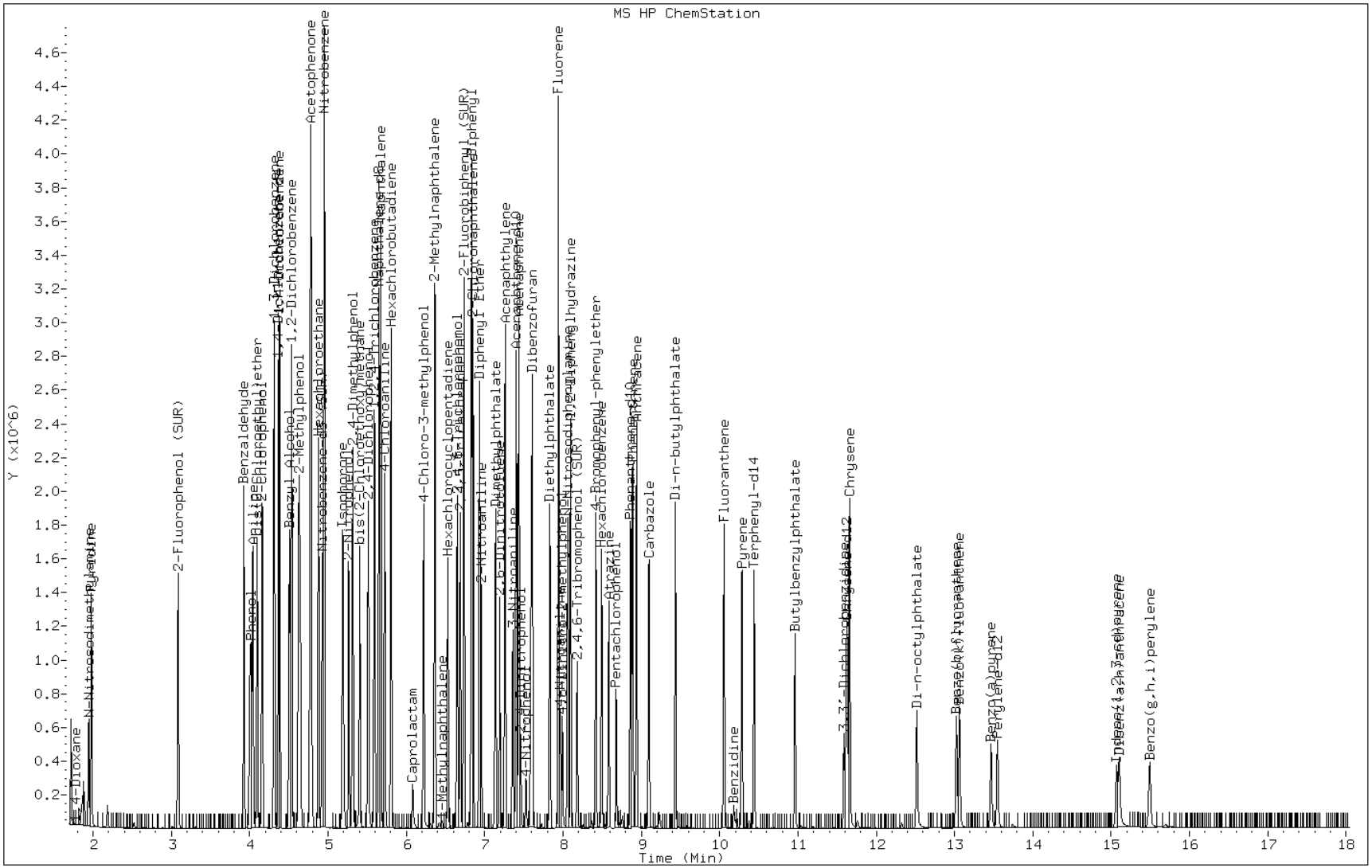
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: z4018.d

Date: 21-SEP-2009 07:30

Client ID: Instrument: BNAMS11.i

Sample Info: LCS 460-17294/2-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-02RR MS | Lab Sample ID: 460-5722-3 MS

Matrix: Water | Lab File ID: z4025.d

Analysis Method: 8270C | Date Collected: 09/15/2009 10:00

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/21/2009 10:22

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 1730 | | 50 | 17 |
| 121-69-7 | n,n'-Dimethylaniline | 96.2 | | 10 | 2.7 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 0 | 64-119 | D |
| 367-12-4 | 2-Fluorophenol | 0 | 15-57 | D |
| 4165-60-0 | Nitrobenzene-d5 | 0 | 69-120 | D |
| 4165-62-2 | Phenol-d5 | 0 | 10-41 | D |
| 1718-51-0 | Terphenyl-d14 | 0 | 38-141 | D |
| 118-79-6 | 2,4,6-Tribromophenol | 0 | 69-127 | D |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4025.d
Report Date: 21-Sep-2009 15:48

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4025.d
Lab Smp Id: 460-5722-H-3-A MS  Client Smp ID: TW-02RR
Inj Date  : 21-SEP-2009 10:22
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5722-H-3-A MS
Misc Info : 460-5722-H-3-A MS
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin  Quant Type: ISTD
Cal Date  : 21-SEP-2009 01:32  Cal File: z4010.d
Als bottle: 17  QC Sample: MS
Dil Factor: 10.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 10.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.940 | 1.928 | (0.445) | 18885 | 2.57012 | 51(a) |
| | 71 Pyridine | 79 | 1.981 | 1.957 | (0.454) | 32449 | 2.45689 | 49(a) |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 37547 | 5.17309 | 100 |
| | 1 Phenol | 94 | 4.004 | 4.022 | (0.918) | 23328 | 1.57156 | 31(aH) |
| | 73 Aniline | 93 | 4.040 | 4.040 | (0.926) | 1551756 | 86.6045 | 1700(R) |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.087 | 4.098 | (0.937) | 57209 | 4.72324 | 94 |
| | 2 2-Chlorophenol | 128 | 4.151 | 4.163 | (0.951) | 48960 | 3.87399 | 77(a) |
| | 21 1,3-Dichlorobenzene | 146 | 4.304 | 4.310 | (0.987) | 68753 | 4.51873 | 90(a) |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 368904 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 72679 | 4.74716 | 95(a) |
| | 74 Benzyl Alcohol | 108 | 4.492 | 4.510 | (1.030) | 25805 | 3.50701 | 70(a) |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 66613 | 4.72472 | 94(a) |
| | 3 2-Methylphenol | 108 | 4.610 | 4.628 | (1.057) | 35492 | 3.58062 | 72(a) |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.634 | 4.640 | (1.062) | 67599 | 5.26526 | 100 |
| | 104 Acetophenone | 105 | 4.763 | 4.775 | (1.092) | 80392 | 5.60295 | 110(R) |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4025.d
Report Date: 21-Sep-2009 15:48

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 4 | 4-Methylphenol | 108 | 4.763 | 4.781 | (1.092) | 30456 | 2.92669 | 58(a) |
| 124 | 3 & 4 methylphenol | 108 | 4.763 | 4.781 | (1.092) | 30456 | 2.92669 | 58(a) |
| 25 | N-Nitroso-di-n-propylamine | 70 | 4.763 | 4.781 | (1.092) | 37337 | 5.30184 | 110 |
| 26 | Hexachloroethane | 117 | 4.875 | 4.881 | (1.117) | 25889 | 4.33911 | 87 |
| 27 | Nitrobenzene | 77 | 4.934 | 4.951 | (0.874) | 81833 | 4.77918 | 96 |
| 107 | N,N-Dimethylaniline | 120 | 4.940 | 4.951 | (1.132) | 86676 | 4.81246 | 96 |
| 28 | Isophorone | 82 | 5.175 | 5.187 | (0.917) | 101174 | 4.73207 | 95(a) |
| 5 | 2-Nitrophenol | 139 | 5.257 | 5.263 | (0.931) | 25877 | 3.86827 | 77(a) |
| 6 | 2,4-Dimethylphenol | 122 | 5.304 | 5.316 | (0.940) | 42243 | 4.24446 | 85(a) |
| 29 | bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.404 | (0.956) | 60865 | 4.64330 | 93(a) |
| 15 | Benzoic Acid | 122 | 5.398 | 5.445 | (0.956) | 893 | 0.24153 | 4.8(a) |
| 7 | 2,4-Dichlorophenol | 162 | 5.504 | 5.510 | (0.975) | 36398 | 4.09167 | 82(a) |
| 30 | 1,2,4-Trichlorobenzene | 180 | 5.587 | 5.592 | (0.990) | 51421 | 4.57167 | 91 |
| * 80 | Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1344154 | 40.0000 | |
| 31 | Naphthalene | 128 | 5.663 | 5.669 | (1.003) | 165899 | 4.64890 | 93(a) |
| 32 | 4-Chloroaniline | 127 | 5.716 | 5.728 | (1.012) | 66193 | 4.98895 | 100(R) |
| 33 | Hexachlorobutadiene | 225 | 5.798 | 5.804 | (1.027) | 30723 | 4.58162 | 92 |
| 111 | Caprolactam | 113 | 6.039 | 6.104 | (1.070) | 2173 | 0.79575 | 16(a) |
| 8 | 4-Chloro-3-methylphenol | 107 | 6.210 | 6.228 | (1.100) | 35604 | 3.93297 | 79(a) |
| 34 | 2-Methylnaphthalene | 142 | 6.357 | 6.363 | (1.126) | 100619 | 4.78093 | 96(a) |
| 120 | 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 5017 | 0.24967 | 5.0(a) |
| 35 | Hexachlorocyclopentadiene | 237 | 6.528 | 6.534 | (0.882) | 18391 | 2.64197 | 53(a) |
| 9 | 2,4,6-Trichlorophenol | 196 | 6.651 | 6.651 | (0.899) | 21752 | 3.63784 | 73(a) |
| 10 | 2,4,5-Trichlorophenol | 196 | 6.681 | 6.692 | (0.903) | 21953 | 3.70130 | 74(a) |
| 102 | Diphenyl | 154 | 6.828 | 6.834 | (0.923) | 121007 | 4.82561 | 96(a) |
| 36 | 2-Chloronaphthalene | 162 | 6.845 | 6.851 | (0.925) | 93180 | 4.67138 | 93(a) |
| 103 | Diphenyl Ether | 170 | 6.928 | 6.939 | (0.936) | 62405 | 4.53346 | 91(a) |
| 37 | 2-Nitroaniline | 65 | 6.945 | 6.957 | (0.939) | 30104 | 4.42287 | 88(a) |
| 38 | Dimethylphthalate | 163 | 7.128 | 7.139 | (0.963) | 92500 | 4.70434 | 94(a) |
| 40 | 2,6-Dinitrotoluene | 165 | 7.181 | 7.198 | (0.971) | 18577 | 4.11358 | 82 |
| 39 | Acenaphthylene | 152 | 7.257 | 7.263 | (0.981) | 138101 | 4.49731 | 90(a) |
| 41 | 3-Nitroaniline | 138 | 7.351 | 7.363 | (0.994) | 19209 | 4.24663 | 85(a) |
| * 82 | Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 645390 | 40.0000 | |
| 42 | Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 83372 | 4.80642 | 96(a) |
| 11 | 2,4-Dinitrophenol | 184 | 7.457 | 7.463 | (1.008) | 1678 | 0.89327 | 18(aR) |
| 12 | 4-Nitrophenol | 65 | 7.522 | 7.534 | (1.017) | 2242 | 0.76499 | 15(a) |
| 44 | 2,4-Dinitrotoluene | 165 | 7.581 | 7.592 | (1.025) | 21381 | 3.99293 | 80 |
| 43 | Dibenzofuran | 168 | 7.598 | 7.604 | (1.027) | 118564 | 4.77889 | 96(a) |
| 45 | Diethylphthalate | 149 | 7.822 | 7.833 | (1.057) | 86245 | 4.59867 | 92(a) |
| 47 | Fluorene | 166 | 7.933 | 7.945 | (1.072) | 89398 | 4.71062 | 94(a) |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.933 | 7.945 | (1.072) | 43684 | 4.80250 | 96(a) |
| 48 | 4-Nitroaniline | 138 | 7.951 | 7.969 | (1.075) | 15900 | 4.09312 | 82(a) |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.998 | (0.901) | 4364 | 1.80123 | 36(aR) |
| 49 | N-Nitrosodiphenylamine | 169 | 8.051 | 8.063 | (0.908) | 58163 | 4.80580 | 96(a) |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.092 | 8.098 | (0.913) | 99932 | 4.43669 | 89(a) |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.416 | 8.422 | (0.950) | 22463 | 4.19644 | 84(a) |
| 51 | Hexachlorobenzene | 284 | 8.486 | 8.492 | (0.958) | 21632 | 4.25198 | 85 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4025.d
Report Date: 21-Sep-2009 15:48

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 112 Atrazine | 200 | 8.575 | 8.586 | (0.967) | 16670 | 4.32972 | 86(a) |
| | 14 Pentachlorophenol | 266 | 8.680 | 8.686 | (0.979) | 3317 | 1.39488 | 28(aR) |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 816016 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.880 | 8.892 | (1.002) | 107980 | 4.63102 | 93(a) |
| | 53 Anthracene | 178 | 8.933 | 8.939 | (1.008) | 105786 | 4.48171 | 90(a) |
| | 54 Carbazole | 167 | 9.086 | 9.098 | (1.025) | 80570 | 4.47086 | 89(a) |
| | 55 Di-n-butylphthalate | 149 | 9.433 | 9.439 | (1.064) | 100774 | 4.17608 | 84(a) |
| | 56 Fluoranthene | 202 | 10.051 | 10.063 | (1.134) | 80924 | 4.41886 | 88(a) |
| | 58 Benzidine | 184 | 10.180 | 10.186 | (1.149) | 20066 | 8.58075 | 170(R) |
| | 57 Pyrene | 202 | 10.280 | 10.286 | (0.884) | 80321 | 4.66311 | 93(a) |
| | 59 Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.943) | 24595 | 3.75480 | 75(a) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 11620 | 3.87744 | 78(a) |
| | 61 Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.999) | 44862 | 4.14631 | 83 |
| * | 81 Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 391560 | 40.0000 | |
| | 62 Chrysene | 228 | 11.657 | 11.669 | (1.003) | 44080 | 4.35405 | 87(a) |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.003) | 29866 | 3.56707 | 71(a) |
| | 64 Di-n-octylphthalate | 149 | 12.510 | 12.521 | (0.924) | 23251 | 2.26296 | 45(aR) |
| | 65 Benzo(b)fluoranthene | 252 | 13.015 | 13.027 | (0.961) | 25692 | 3.65065 | 73 |
| | 66 Benzo(k)fluoranthene | 252 | 13.057 | 13.068 | (0.964) | 30284 | 3.82929 | 76 |
| | 67 Benzo(a)pyrene | 252 | 13.462 | 13.474 | (0.994) | 17597 | 2.85954 | 57 |
| * | 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 239881 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.062 | 15.074 | (1.112) | 11783 | 2.23876 | 45(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.098 | 15.110 | (1.115) | 14057 | 2.54680 | 51 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.480 | 15.498 | (1.143) | 17861 | 3.21535 | 64(a) |

QC Flag Legend

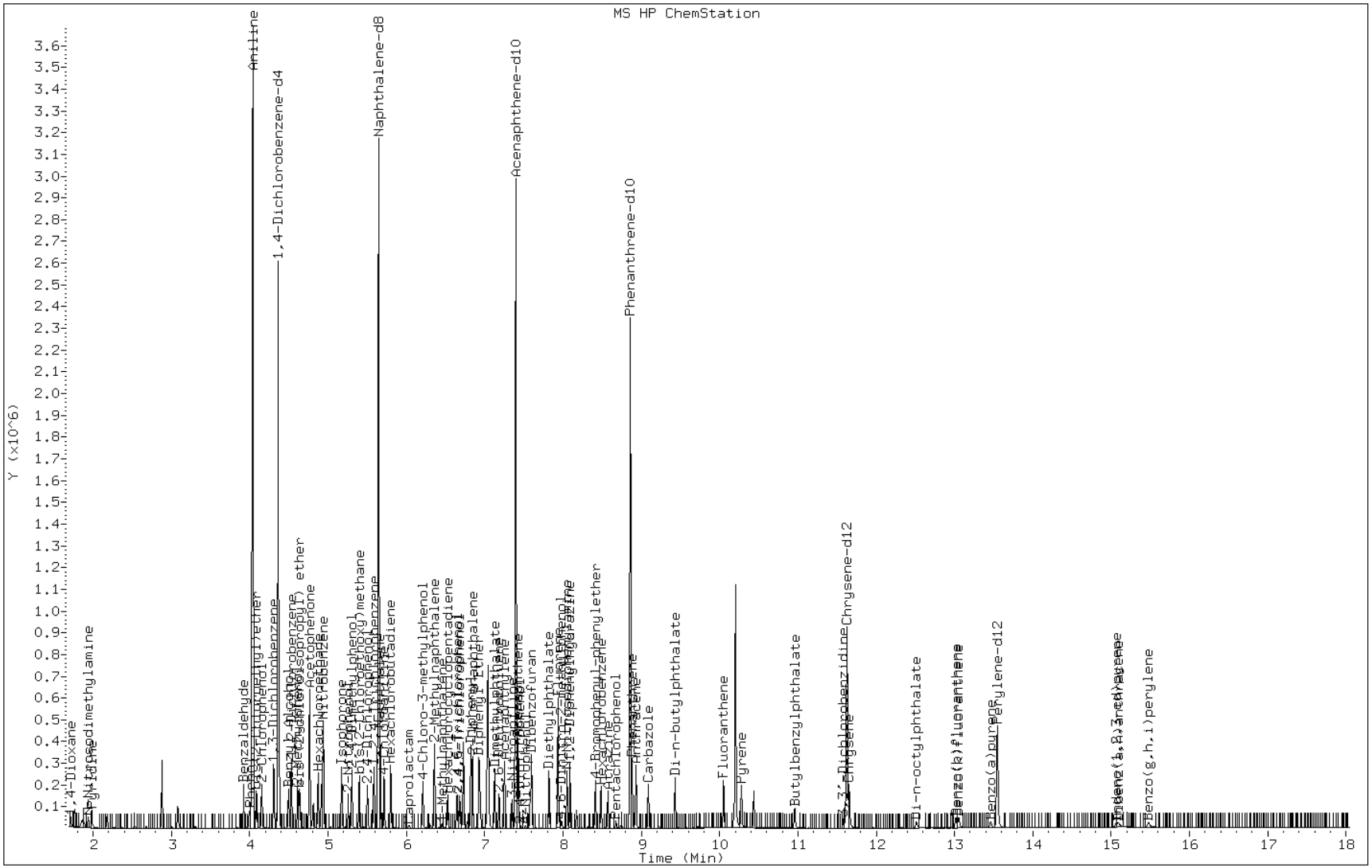
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4025.d

Date: 21-SEP-2009 10:22

Client ID: TW-02RR Instrument: BNAMS11.i

Sample Info: 460-5722-H-3-A MS Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-02RR MSD | Lab Sample ID: 460-5722-3 MSD

Matrix: Water | Lab File ID: z4026.d

Analysis Method: 8270C | Date Collected: 09/15/2009 10:00

Extract. Method: 3510C | Date Extracted: 09/17/2009 18:40

Sample wt/vol: 1000(mL) | Date Analyzed: 09/21/2009 10:46

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 1600 | | 50 | 17 |
| 121-69-7 | n,n'-Dimethylaniline | 94.3 | | 10 | 2.7 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 0 | 64-119 | D |
| 367-12-4 | 2-Fluorophenol | 0 | 15-57 | D |
| 4165-60-0 | Nitrobenzene-d5 | 0 | 69-120 | D |
| 4165-62-2 | Phenol-d5 | 0 | 10-41 | D |
| 1718-51-0 | Terphenyl-d14 | 0 | 38-141 | D |
| 118-79-6 | 2,4,6-Tribromophenol | 0 | 69-127 | D |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4026.d
Report Date: 21-Sep-2009 15:48

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4026.d
Lab Smp Id: 460-5722-H-3-B MSD  Client Smp ID: TW-02RR
Inj Date  : 21-SEP-2009 10:46
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5722-H-3-B MSD
Misc Info : 460-5722-H-3-B MSD
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin  Quant Type: ISTD
Cal Date  : 21-SEP-2009 01:32  Cal File: z4010.d
Als bottle: 18  QC Sample: MSD
Dil Factor: 10.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 10.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.934 | 1.928 | (0.443) | 18944 | 2.59077 | 52(a) |
| | 71 Pyridine | 79 | 1.975 | 1.957 | (0.453) | 30426 | 2.31500 | 46(a) |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 33074 | 4.57912 | 92(a) |
| | 1 Phenol | 94 | 4.004 | 4.022 | (0.918) | 23172 | 1.56869 | 31(a) |
| | 73 Aniline | 93 | 4.040 | 4.040 | (0.926) | 1428818 | 80.1336 | 1600(R) |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.087 | 4.098 | (0.937) | 56713 | 4.70521 | 94 |
| | 2 2-Chlorophenol | 128 | 4.152 | 4.163 | (0.951) | 49580 | 3.94226 | 79(a) |
| | 21 1,3-Dichlorobenzene | 146 | 4.304 | 4.310 | (0.987) | 68763 | 4.54151 | 91(a) |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 367107 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 72625 | 4.76686 | 95(a) |
| | 74 Benzyl Alcohol | 108 | 4.493 | 4.510 | (1.030) | 25472 | 3.47870 | 70(a) |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 67191 | 4.78904 | 96(a) |
| | 3 2-Methylphenol | 108 | 4.610 | 4.628 | (1.057) | 35479 | 3.59683 | 72(a) |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.634 | 4.640 | (1.062) | 67540 | 5.28642 | 100 |
| | 104 Acetophenone | 105 | 4.763 | 4.775 | (1.092) | 82144 | 5.75308 | 120(R) |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4026.d
Report Date: 21-Sep-2009 15:48

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 4 | 4-Methylphenol | 108 | 4.763 | 4.781 | (1.092) | 31482 | 3.04010 | 61(a) |
| 124 | 3 & 4 methylphenol | 108 | 4.763 | 4.781 | (1.092) | 31482 | 3.04010 | 61(a) |
| 25 | N-Nitroso-di-n-propylamine | 70 | 4.763 | 4.781 | (1.092) | 39635 | 5.65571 | 110 |
| 26 | Hexachloroethane | 117 | 4.875 | 4.881 | (1.117) | 26542 | 4.47033 | 89 |
| 27 | Nitrobenzene | 77 | 4.934 | 4.951 | (0.874) | 82763 | 4.83690 | 97 |
| 107 | N,N-Dimethylaniline | 120 | 4.940 | 4.951 | (1.132) | 84529 | 4.71622 | 94 |
| 28 | Isophorone | 82 | 5.175 | 5.187 | (0.917) | 105178 | 4.92281 | 98(a) |
| 5 | 2-Nitrophenol | 139 | 5.257 | 5.263 | (0.931) | 27212 | 4.07070 | 81(a) |
| 6 | 2,4-Dimethylphenol | 122 | 5.304 | 5.316 | (0.940) | 42220 | 4.24514 | 85(a) |
| 29 | bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.404 | (0.956) | 62213 | 4.74948 | 95(a) |
| 15 | Benzoic Acid | 122 | 5.393 | 5.445 | (0.955) | 942 | 0.25496 | 5.1(a) |
| 7 | 2,4-Dichlorophenol | 162 | 5.504 | 5.510 | (0.975) | 38204 | 4.29772 | 86(a) |
| 30 | 1,2,4-Trichlorobenzene | 180 | 5.587 | 5.592 | (0.990) | 51776 | 4.60648 | 92 |
| * 80 | Naphthalene-d8 | 136 | 5.646 | 5.651 | (1.000) | 1343208 | 40.0000 | |
| 31 | Naphthalene | 128 | 5.663 | 5.669 | (1.003) | 167594 | 4.69971 | 94(a) |
| 32 | 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 65453 | 4.93665 | 99(aR) |
| 33 | Hexachlorobutadiene | 225 | 5.798 | 5.804 | (1.027) | 29806 | 4.44800 | 89 |
| 111 | Caprolactam | 113 | 6.034 | 6.104 | (1.069) | 2395 | 0.87767 | 18(a) |
| 8 | 4-Chloro-3-methylphenol | 107 | 6.210 | 6.228 | (1.100) | 38133 | 4.21530 | 84(a) |
| 34 | 2-Methylnaphthalene | 142 | 6.357 | 6.363 | (1.126) | 104776 | 4.98196 | 100 |
| 120 | 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 4944 | 0.24621 | 4.9(a) |
| 35 | Hexachlorocyclopentadiene | 237 | 6.528 | 6.534 | (0.882) | 16965 | 2.45512 | 49(a) |
| 9 | 2,4,6-Trichlorophenol | 196 | 6.651 | 6.651 | (0.899) | 23687 | 3.99071 | 80(a) |
| 10 | 2,4,5-Trichlorophenol | 196 | 6.681 | 6.692 | (0.903) | 22986 | 3.90408 | 78(a) |
| 102 | Diphenyl | 154 | 6.828 | 6.834 | (0.923) | 124885 | 5.01703 | 100 |
| 36 | 2-Chloronaphthalene | 162 | 6.845 | 6.851 | (0.925) | 96069 | 4.85178 | 97(a) |
| 103 | Diphenyl Ether | 170 | 6.928 | 6.939 | (0.936) | 65417 | 4.78736 | 96(a) |
| 37 | 2-Nitroaniline | 65 | 6.945 | 6.957 | (0.939) | 31461 | 4.65637 | 93(a) |
| 38 | Dimethylphthalate | 163 | 7.128 | 7.139 | (0.963) | 96873 | 4.96313 | 99(a) |
| 40 | 2,6-Dinitrotoluene | 165 | 7.187 | 7.198 | (0.971) | 19324 | 4.31058 | 86 |
| 39 | Acenaphthylene | 152 | 7.251 | 7.263 | (0.980) | 143555 | 4.70945 | 94(a) |
| 41 | 3-Nitroaniline | 138 | 7.351 | 7.363 | (0.994) | 19636 | 4.37309 | 87(a) |
| * 82 | Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 640659 | 40.0000 | |
| 42 | Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 86023 | 4.99587 | 100 |
| 11 | 2,4-Dinitrophenol | 184 | 7.457 | 7.463 | (1.008) | 1776 | 0.95242 | 19(aR) |
| 12 | 4-Nitrophenol | 65 | 7.522 | 7.534 | (1.017) | 2544 | 0.87445 | 17(a) |
| 44 | 2,4-Dinitrotoluene | 165 | 7.581 | 7.592 | (1.025) | 21896 | 4.11931 | 82 |
| 43 | Dibenzofuran | 168 | 7.598 | 7.604 | (1.027) | 122229 | 4.96299 | 99(a) |
| 45 | Diethylphthalate | 149 | 7.822 | 7.833 | (1.057) | 89210 | 4.79190 | 96(a) |
| 47 | Fluorene | 166 | 7.934 | 7.945 | (1.072) | 92560 | 4.91325 | 98(a) |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.945 | (1.073) | 45811 | 5.07353 | 100 |
| 48 | 4-Nitroaniline | 138 | 7.951 | 7.969 | (1.075) | 16681 | 4.32588 | 86(a) |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.987 | 7.998 | (0.901) | 4393 | 1.86711 | 37(aR) |
| 49 | N-Nitrosodiphenylamine | 169 | 8.051 | 8.063 | (0.908) | 61148 | 5.20265 | 100 |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.092 | 8.098 | (0.913) | 104995 | 4.80006 | 96(a) |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.416 | 8.422 | (0.950) | 23310 | 4.48414 | 90(a) |
| 51 | Hexachlorobenzene | 284 | 8.487 | 8.492 | (0.958) | 22893 | 4.63363 | 93 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4026.d
Report Date: 21-Sep-2009 15:48

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 112 | Atrazine | 200 | 8.575 | 8.586 | (0.967) | 16794 | 4.49162 | 90(a) |
| 14 | Pentachlorophenol | 266 | 8.681 | 8.686 | (0.979) | 3311 | 1.43375 | 29(aR) |
| * 83 | Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 792455 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.881 | 8.892 | (1.002) | 109461 | 4.83411 | 97(a) |
| 53 | Anthracene | 178 | 8.934 | 8.939 | (1.008) | 108034 | 4.71303 | 94(a) |
| 54 | Carbazole | 167 | 9.092 | 9.098 | (1.026) | 81270 | 4.64378 | 93(a) |
| 55 | Di-n-butylphthalate | 149 | 9.434 | 9.439 | (1.064) | 104819 | 4.47285 | 89(a) |
| 56 | Fluoranthene | 202 | 10.051 | 10.063 | (1.134) | 81924 | 4.60647 | 92(a) |
| 58 | Benzidine | 184 | 10.181 | 10.186 | (1.149) | 20158 | 8.87638 | 180(R) |
| 57 | Pyrene | 202 | 10.281 | 10.286 | (0.884) | 82043 | 4.78572 | 96(a) |
| 59 | Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.943) | 25978 | 3.98479 | 80(a) |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 12132 | 4.06752 | 81(a) |
| 61 | Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.999) | 47609 | 4.42110 | 88 |
| * 81 | Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 389708 | 40.0000 | |
| 62 | Chrysene | 228 | 11.657 | 11.669 | (1.003) | 48456 | 4.80904 | 96(a) |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.003) | 30366 | 3.64402 | 73(a) |
| 64 | Di-n-octylphthalate | 149 | 12.510 | 12.521 | (0.924) | 26617 | 2.56425 | 51(aR) |
| 65 | Benzo(b)fluoranthene | 252 | 13.016 | 13.027 | (0.961) | 25508 | 3.58768 | 72 |
| 66 | Benzo(k)fluoranthene | 252 | 13.057 | 13.068 | (0.964) | 37535 | 4.69793 | 94 |
| 67 | Benzo(a)pyrene | 252 | 13.463 | 13.474 | (0.994) | 18547 | 2.98330 | 60 |
| * 84 | Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 242343 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.057 | 15.074 | (1.112) | 12997 | 2.44433 | 49 |
| 69 | Dibenz(a,h)anthracene | 278 | 15.098 | 15.110 | (1.115) | 17284 | 3.09965 | 62 |
| 70 | Benzo(g,h,i)perylene | 276 | 15.480 | 15.498 | (1.143) | 17433 | 3.10642 | 62(a) |

QC Flag Legend

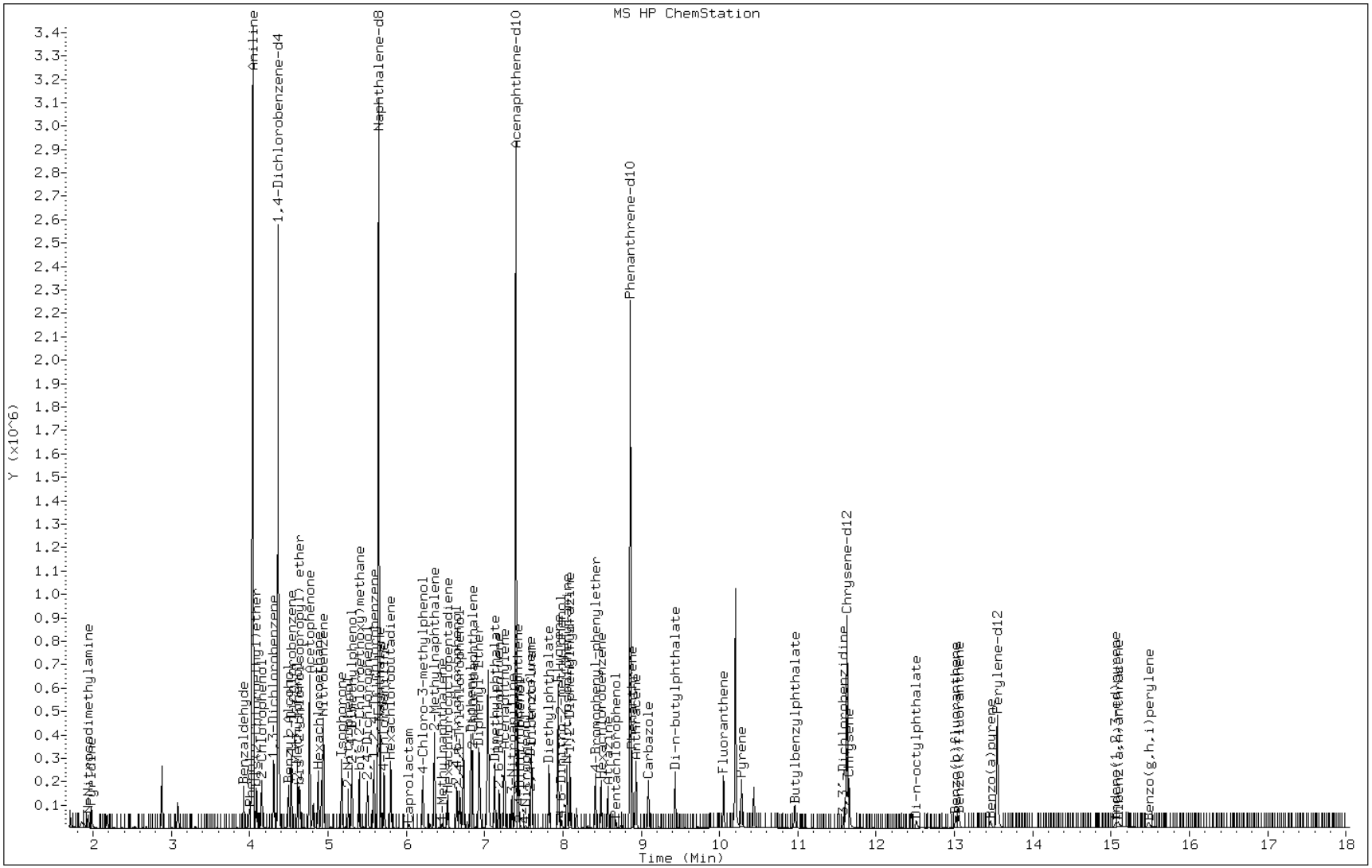
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: z4026.d

Date: 21-SEP-2009 10:46

Client ID: TW-02RR Instrument: BNAMS11.i

Sample Info: 460-5722-H-3-B MSD Operator: BNAMS 4



TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/14sep09.b

Date Generated: 09/16/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/14/09 0855 | z3791.d | 1 | DFTPP-61180 | | | 0 | 0 | 1 | 2.0 | all | 4378 | a |
| 09/14/09 0914 | z3792.d | 2 | ICIS-154120 | | | 1000 | 2 | 1 | 1.0 | all | 4392 | NA.X |
| 09/14/09 0946 | z3793.d | 3 | ICIS-154120 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1020 | z3794.d | 4 | IC-154124 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1044 | z3795.d | 5 | IC-154121 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1109 | z3796.d | 6 | IC-154123 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1133 | z3797.d | 7 | IC-154122 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1200 | z3798.d | 8 | IC-154125 | | | 1000 | 2 | 1 | 1.0 | all | | NA.X |
| 09/14/09 1248 | z3799.d | 9 | IC-154125 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1320 | z3800.d | 10 | icv | 14sep09 | | 1000 | 1 | 1 | 1.0 | all | | a |
| 09/14/09 1402 | z3801.d | 11 | MB 460-16748/1-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | a |
| 09/14/09 1427 | z3802.d | 12 | LCS 460-16748/2-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | a |
| 09/14/09 1451 | z3803.d | 13 | 460-5112-A-34-E | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | a |
| 09/14/09 1516 | z3804.d | 14 | 460-5112-A-34-C MS | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | TSP.X |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/14sep09.b

Date Generated: 09/16/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/14/09 1541 | z3805.d | 15 | 460-5112-A-34-D MSD | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1605 | z3806.d | 16 | 460-5112-A-35-C | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1630 | z3807.d | 17 | 460-5495-A-1-C | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1654 | z3808.d | 18 | 460-5523-A-2-F | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1719 | z3809.d | 19 | LB 460-16592/1-B | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1743 | z3810.d | 20 | MB 460-16763/1-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1808 | z3811.d | 21 | LCS 460-16763/2-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1832 | z3812.d | 22 | LCSD 460-16763/3-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1856 | z3813.d | 23 | 460-5188-A-1-H | 460-16763 | 09/11/09 | 990 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1921 | z3814.d | 24 | LB 460-16594/1-B | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1945 | z3815.d | 25 | MB 460-16765/1-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | all | | TSP. x |
| 09/14/09 2010 | z3816.d | 26 | LCS 460-16765/2-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | all | | TSP. x |
| 09/14/09 2035 | z3817.d | 27 | LCSD 460-16765/3-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | all | | TSP. x |
| 09/14/09 2100 | z3818.d | 28 | 460-5520-C-1-A | 460-16765 | 09/11/09 | 950 | 2 | 1 | 1.0 | all | | TSP. x |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/14sep09.b

Date Generated: 09/16/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/14/09 2124 | z3819.d | 29 | 460-5529-F-1-A | 460-16765 | 09/11/09 | 990 | 2 | 1 | 1.0 | all | ✓ | ZSP. X |
| 09/14/09 2149 | z3820.d | 30 | blk | 14sep09 | ✓ | 1000 | 2 | 1 | 1.0 | all | ✓ | NO MM. X |

Signed: W Read and Understood by: [signature]

Date: 9/16/09 Date: 9-16-09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/18sep09.b

Date Generated: 09/21/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/18/09 1027 | z3920.d | 1 | DFTPP-61180 | | | 0 | 0 | 1 | 2.0 | all | 4318 | C |
| 09/18/09 1130 | z3922.d | 3 | CCIS-154120 | | | 1000 | 2 | 1 | 1.0 | all | 4392 | C |
| 09/18/09 1231 | z3923.d | 4 | MB 460-17023/1-A | 18sep09 | | 1000 | 2 | 1 | 1.0 | all | | C |
| 09/18/09 1255 | z3924.d | 5 | LCS 460-17023/2-A | 18sep09 | | 1000 | 2 | 1 | 1.0 | all | | C |
| 09/18/09 1319 | z3925.d | 6 | LCSD 460-17023/3-A | 18sep09 | | 1000 | 2 | 1 | 1.0 | all | | ISurP RR · X |
| 09/18/09 1344 | z3926.d | 7 | 460-5670-A-8-A | 460-17023 | 09/15/09 | 1000 | 2 | 1 | 1.0 | all | | C |
| 09/18/09 1453 | z3927.d | 8 | LB 460-16880/1-B | 18sep09 | | 1000 | 2 | 1 | 1.0 | all | | C |
| 09/18/09 1517 | z3928.d | 9 | LCSD 460-17023/3-A | 18sep09 | | 1000 | 2 | 1 | 1.0 | all | | C |
| 09/18/09 1611 | z3929.d | 10 | MB 460-17294/1-A | 18sep09 | | 1000 | 2 | 1 | 1.0 | all | | RR ISurP · X |
| 09/18/09 1635 | z3930.d | 11 | LCS 460-17294/2-A | 18sep09 | | 1000 | 2 | 1 | 1.0 | all | | RR ISurP · X |
| 09/18/09 1700 | z3931.d | 12 | 460-5745-B-13-A | 460-17294 | 09/17/09 | 990 | 2 | 1 | 1.0 | all | | C |
| 09/18/09 1725 | z3932.d | 13 | 460-5722-H-3-C | 460-17294 | 09/17/09 | 1000 | 2 | 1 | 1.0 | all | | RR 10X · X |
| 09/18/09 1749 | z3933.d | 14 | 460-5722-H-3-A MS | 460-17294 | 09/17/09 | 1000 | 2 | 1 | 1.0 | all | | RR 10X · X |
| 09/18/09 1813 | z3934.d | 15 | 460-5722-H-3-B MSD | 460-17294 | 09/17/09 | 1000 | 2 | 1 | 1.0 | all | | RR 10X · X |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/18sep09.b

Date Generated: 09/21/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/18/09 1838 | z3935.d | 16 | 460-5722-H-1-A | 460-17294 | 09/17/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/18/09 1902 | z3936.d | 17 | 460-5722-H-2-A | 460-17294 | 09/17/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/18/09 1926 | z3937.d | 18 | 460-5722-H-4-A | 460-17294 | 09/17/09 | 1000 | 2 | 1 | 1.0 | all | | RR10% · X |
| 09/18/09 1951 | z3938.d | 19 | 460-5722-H-5-A | 460-17294 | 09/17/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/18/09 2015 | z3939.d | 20 | 460-5722-H-6-A | 460-17294 | 09/17/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/18/09 2039 | z3940.d | 21 | 460-5722-H-7-A | 460-17294 | 09/17/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/18/09 2103 | z3941.d | 22 | 460-5722-H-8-A | 460-17294 | 09/17/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/18/09 2127 | z3942.d | 23 | 460-5722-H-9-A | 460-17294 | 09/17/09 | 1000 | 2 | ~~1~~ 2X AP | 1.0 | all | | G |
| 09/18/09 2152 | z3943.d | 24 | 460-5729-E-1-A | 460-17294 | 09/17/09 | 1000 | 2 | ~~1~~ 2X AP | 1.0 | all | | G |
| 09/18/09 2216 | z3944.d | 25 | 460-5518-E-3-A | 460-16655 | 09/11/09 | 890 | 2 | ~~1~~ 2X | 1.0 | all | | G-625 NG. 625. X |
| 09/18/09 2241 | z3945.d | 26 | 460-5518-E-3-A | 460-16655 | 09/11/09 | 890 | 2 | ~~1~~ 5X | 1.0 | all | | use 2x G 625 ~~OUT of clock · X~~ |

Signed: U Read and Understood by:

Date: 9/20/09 Date: 09.21.09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-21-09/21sep09.b

Date Generated: 09/21/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 0031 | z4009.d | 1 | DFTPP-61180 | — | — | 0 | 0 | 1 | 2.0 | all | 4379 | G |
| 09/21/09 0132 | z4010.d | 2 | ICIS-154120 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0222 | z4011.d | 3 | IC-154124 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0246 | z4012.d | 4 | IC-154121 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0310 | z4013.d | 5 | IC-154123 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0334 | z4014.d | 6 | IC-154122 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0358 | z4015.d | 7 | IC-154125 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0423 | z4016.d | 8 | icv | 21sep09 | — | 1000 | 1 | 1 | 1.0 | all | 4401 | G |
| 09/21/09 0706 | z4017.d | 9 | MB 460-17294/1-A | 460-17294 | — | 1000 | 2 | 1 | 1.0 | all | — | RE ~~smith hit~~ possible cls |
| 09/21/09 0730 | z4018.d | 10 | LCS 460-17294/2-A | 460-17294 | — | 1000 | 2 | 1 | 1.0 | all | — | G ~~RE 2 sur hyn~~ |
| 09/21/09 0754 | z4019.d | 11 | MB 460-17400/1-A | 460-17400 | — | 1000 | 2 | 1 | 1.0 | all | — | G |
| 09/21/09 0819 | z4020.d | 12 | 460-5774-H-2-A MS | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all | — | G Sur dilated out |
| 09/21/09 0844 | z4021.d | 13 | 460-5774-H-2-B MSD | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all | — | RE 2nd run |
| 09/21/09 0908 | z4022.d | 14 | MB 460-17396/1-A | 460-17396 | — | 250 | 2 | 1 | 1.0 | jTCLP | — | TCLP run RE 2 sur hyn (base) |

8270 range good except for 1) 1,4-Dioxane 2) benzaldehyde 3) benzoic acid 4) benzidine

Outside 6c limits for 3 failed range compounds

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-21-09/21sep09.b

Date Generated: 09/21/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 0933 | z4023.d | 15 | LB2 460-17272/1-C | 460-17396 | — | 250 | 2 | 1 | 1.0 | jTCLP | — | ~~RR~~ 2surr MSA ~~RR 1surr MSA @ 9/21/09~~ |
| 09/21/09 0958 | z4024.d | 16 | 460-5722-H-3-C | 460-17294 | 09/17/09 | 1000 | 2 | 10 | 1.0 | all | — | 6 surr diluted out |
| 09/21/09 1022 | z4025.d | 17 | 460-5722-H-3-A MS | 460-17294 | 09/17/09 | 1000 | 2 | 10 | 1.0 | all | — | 6 surr diluted out |
| 09/21/09 1046 | z4026.d | 18 | 460-5722-H-3-B MSD | 460-17294 | 09/17/09 | 1000 | 2 | 10 | 1.0 | all | — | 6 surr diluted out |
| 09/21/09 1111 | z4027.d | 19 | 460-5722-H-4-A | 460-17294 | 09/17/09 | 1000 | 2 | 10 | 1.0 | all | — | 6 surr diluted out |
| 09/21/09 1135 | z4028.d | 20 | 460-5774-H-9-A | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all | — | 6 surr diluted out |
| 09/21/09 1201 | z4029.d | 21 | 460-5842-A-1-C | 460-17396 | 09/19/09 | 250 | 2 | 5 | 1.0 | jTCLP | — | RR 10x |
| 09/21/09 1230 | z4030.d | 22 | MB 460-17396/1-A | 460-17396 | — | ~~250~~ 1000 @ 9/21/09 | 2 | 1 | 1.0 | ~~all~~ jTCLP | — | RR 2surr high in TCLP |
| 09/21/09 1255 | z4031.d | 23 | 460-5774-H-2-B MSD | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all @ 9/24 | — | NR Outside DPDP limits |

Signed: Michael Lucas Read and Understood by:

Date: 9/21/09 Date: 9-22-09

# Organic Prep Worksheet

Batch Number: 460-17294
Method: 3510C
Analyst: Gayo, Rey

Date Open: Sep 17 2009 6:40PM
Batch End:

| Lab ID | Client ID | Method Chain | Basis | pH of the sample at receipt | Initial weight/volume of sample | Final weight/volume of sample | pH of the sample after first adjustment | pH of the sample after the second adjust | OP625/82SP_00007 |
|---|---|---|---|---|---|---|---|---|---|
| MB~460-17294/1 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | |
| LCS~460-17294/2 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| 460-5722-H-3~MS | TW-02RR | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| 460-5722-H-3~MSD | TW-02RR | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| 460-5722-H-3 | TW-02RR | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5722-H-1 | MW-31 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5722-H-2 | MW-34 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5722-H-4 | DUP-091509 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5722-H-5 | MW-9S | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5722-H-6 | MW-32 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5722-H-7 | TW-01 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5722-H-8 | MW-35 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5722-H-9 | MW-36 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5729-E-1 | Anthony-Seep-1 | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5745-B-13 | FB091609 | | T | 7 | 990 mL | 2 mL | <2 | >12 | |

# Organic Prep Worksheet

Batch Number: 460-17294
Method: 3510C
Analyst: Gayo, Rey

Date Open: Sep 17 2009 6:40PM
Batch End:

| Lab ID | Client ID | Method Chain | Basis | OP625/82SU_00006 |
|---|---|---|---|---|
| MB~460-17294/1 | | 3510C, 8270C | | 1 mL |
| LCS~460-17294/2 | | 3510C, 8270C | | 1 mL |
| 460-5722-H-3~MS | TW-02RR | 3510C, 8270C | T | 1 mL |
| 460-5722-H-3~MSD | TW-02RR | 3510C, 8270C | T | 1 mL |
| 460-5722-H-3 | TW-02RR | 3510C, 8270C | T | 1 mL |
| 460-5722-H-1 | MW-31 | 3510C, 8270C | T | 1 mL |
| 460-5722-H-2 | MW-34 | 3510C, 8270C | T | 1 mL |
| 460-5722-H-4 | DUP-091509 | 3510C, 8270C | T | 1 mL |
| 460-5722-H-5 | MW-9S | 3510C, 8270C | T | 1 mL |
| 460-5722-H-6 | MW-32 | 3510C, 8270C | T | 1 mL |
| 460-5722-H-7 | TW-01 | 3510C, 8270C | T | 1 mL |
| 460-5722-H-8 | MW-35 | 3510C, 8270C | T | 1 mL |
| 460-5722-H-9 | MW-36 | 3510C, 8270C | T | 1 mL |
| 460-5729-E-1 | Anthony-Seep-1 | | T | 1 mL |
| 460-5745-B-13 | FB091609 | | T | 1 mL |

| | |
|---|---|
| Person's name who did the prep: | Rey Gayo |
| Prep Solvent Name: | MeCl2 |
| Prep Solvent Lot #: | H22S00 |
| Prep Solvent Volume Used: | 3*60 mL |
| Person's name who witnessed reagent drop: | JS |
| Acid used for pH adjustment: | H2SO4 |
| Acid used for pH adjust Lot #: | G20022 |
| Base used for pH adjustment: | NaOH |
| Base used for pH adjust Lot #: | OPO76 |
| Person's name who did the concentration: | RG |
| Concentration Start Time: | 22:00 |
| Concentration End Time: | 01:00 |
| Na2SO4 Lot Number: | H12597 |
| Oven, Bath or Block Temperature 1: | 35c |
| Sufficient volume for MS/MSD?: | yes |

# Organic Prep Worksheet

Batch Number: 460-17294
Method: 3510C
Analyst: Gayo, Rey

Date Open: Sep 17 2009 6:40PM
Batch End:

Comments

| Lab ID | Client ID | Method Chain | Basis | Analysis comment |
|---|---|---|---|---|
| MB~460-17294/1 | | 3510C, 8270C | | |
| LCS~460-17294/2 | | 3510C, 8270C | | |
| 460-5722-H-3~MS | TW-02RR | 3510C, 8270C | T | |
| 460-5722-H-3~MSD | TW-02RR | 3510C, 8270C | T | |
| 460-5722-H-3 | TW-02RR | 3510C, 8270C | T | |
| 460-5722-H-1 | MW-31 | 3510C, 8270C | T | |
| 460-5722-H-2 | MW-34 | 3510C, 8270C | T | |
| 460-5722-H-4 | DUP-091509 | 3510C, 8270C | T | |
| 460-5722-H-5 | MW-9S | 3510C, 8270C | T | |
| 460-5722-H-6 | MW-32 | 3510C, 8270C | T | |
| 460-5722-H-7 | TW-01 | 3510C, 8270C | T | |
| 460-5722-H-8 | MW-35 | 3510C, 8270C | T | |
| 460-5722-H-9 | MW-36 | 3510C, 8270C | T | |
| 460-5729-E-1 | Anthony-Seep-1 | | T | |
| 460-5745-B-13 | FB091609 | | T | |

Batch Comment: SM_ISTD_00009

# GC VOA

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.53 (mm)

| Client Sample ID | Lab Sample ID | 1Pent1 # |
|---|---|---|
| MW-31 | 460-5722-1 | 107 |
| MW-34 | 460-5722-2 | 101 |
| TW-02RR | 460-5722-3 | 103 |
| DUP-091509 | 460-5722-4 | 103 |
| MW-9S | 460-5722-5 | 103 |
| MW-32 | 460-5722-6 | 102 |
| TW-01 | 460-5722-7 | 104 |
| MW-35 | 460-5722-8 | 102 |
| MW-36 | 460-5722-9 | 115 |
| | MB 460-17223/15 | 89 |
| | LCS 460-17223/4 | 100 |
| | LCSD 460-17223/5 | 105 |
| TW-02RR MS | 460-5722-3 MS | 94 |
| TW-02RR MSD | 460-5722-3 MSD | 96 |

| | QC LIMITS |
|---|---|
| 1Pent = 1-Pentanol | 52-122 |

# Column to be used to flag recovery values

FORM II 8015B

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4055.d

Lab ID: LCS 460-17223/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methanol | 5000 | 4150 | 83 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GC VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4056.d

Lab ID: LCSD 460-17223/5 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methanol | 5000 | 4950 | 99 | 18 | 30 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4057.d

Lab ID: 460-5722-3 MS Client ID: TW-02RR MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methanol | 5000 | 1000 | 4380 | 67 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4058.d

Lab ID: 460-5722-3 MSD Client ID: TW-02RR MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methanol | 5000 | 4140 | 62 | 6 | 30 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison  Job No.: 460-5722-1

SDG No.:

Lab Sample ID: MB 460-17223/15

Matrix: Water  Date Extracted:

Lab File ID:(1) gc5f4066.d  Lab File ID:(2)

Date Analyzed:(1) 09/17/2009 09:08  Date Analyzed:(2)

Instrument ID:(1) BNAGC5  Instrument ID:(2)

GC Column:(1) Rtx-624 ID: 0.53(mm)  GC Column:(2)  ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|
| | LCS 460-17223/4 | 09/17/2009 07:59 | |
| | LCSD 460-17223/5 | 09/17/2009 08:05 | |
| TW-02RR MS | 460-5722-3 MS | 09/17/2009 08:12 | |
| TW-02RR MSD | 460-5722-3 MSD | 09/17/2009 08:18 | |
| MW-31 | 460-5722-1 | 09/17/2009 08:30 | |
| MW-34 | 460-5722-2 | 09/17/2009 08:37 | |
| TW-02RR | 460-5722-3 | 09/17/2009 08:43 | |
| DUP-091509 | 460-5722-4 | 09/17/2009 08:49 | |
| MW-9S | 460-5722-5 | 09/17/2009 08:55 | |
| MW-32 | 460-5722-6 | 09/17/2009 09:26 | |
| TW-01 | 460-5722-7 | 09/17/2009 09:33 | |
| MW-35 | 460-5722-8 | 09/17/2009 09:39 | |
| MW-36 | 460-5722-9 | 09/17/2009 09:45 | |

FORM VIII
HYDROCARBONS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Instrument ID: BNAGC5 Calibration Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calibration End Date: 09/16/2009 15:51

Calibration ID: 3106

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | 1Pent | | |
|---|---|---|---|---|---|---|
| | | | | RT # | | |
| SURROGATE RT FROM CONTINUING CALIBRATION | | | | 3.70 | | |
| UPPER LIMIT | | | | 3.80 | | |
| LOWER LIMIT | | | | 3.60 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 460-17223/3 | | 09/17/2009 07:53 | gc5f4054.d | 3.70 | | |
| LCS 460-17223/4 | | 09/17/2009 07:59 | gc5f4055.d | 3.69 | | |
| LCSD 460-17223/5 | | 09/17/2009 08:05 | gc5f4056.d | 3.68 | | |
| 460-5722-3 MS | TW-02RR MS | 09/17/2009 08:12 | gc5f4057.d | 3.67 | | |
| 460-5722-3 MSD | TW-02RR MSD | 09/17/2009 08:18 | gc5f4058.d | 3.66 | | |
| 460-5722-1 | MW-31 | 09/17/2009 08:30 | gc5f4060.d | 3.64 | | |
| 460-5722-2 | MW-34 | 09/17/2009 08:37 | gc5f4061.d | 3.64 | | |
| 460-5722-3 | TW-02RR | 09/17/2009 08:43 | gc5f4062.d | 3.63 | | |
| 460-5722-4 | DUP-091509 | 09/17/2009 08:49 | gc5f4063.d | 3.62 | | |
| 460-5722-5 | MW-9S | 09/17/2009 08:55 | gc5f4064.d | 3.63 | | |
| MB 460-17223/15 | | 09/17/2009 09:08 | gc5f4066.d | 3.61 | | |
| CCV 460-17223/16 | | 09/17/2009 09:14 | gc5f4067.d | 3.61 | | |

1Pent = 1-Pentanol

1Pent RT Limit = ± 0.10 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII 8015B

FORM VIII
HYDROCARBONS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Instrument ID: BNAGC5 Calibration Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calibration End Date: 09/16/2009 15:51

Calibration ID: 3106

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | 1Pent RT # | | |
|---|---|---|---|---|---|---|
| SURROGATE RT FROM CONTINUING CALIBRATION | | | | 3.61 | | |
| UPPER LIMIT | | | | 3.71 | | |
| LOWER LIMIT | | | | 3.51 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 460-17229/1 | | 09/17/2009 09:14 | gc5f4067.d | 3.61 | | |
| 460-5722-6 | MW-32 | 09/17/2009 09:26 | gc5f4069.d | 3.61 | | |
| 460-5722-7 | TW-01 | 09/17/2009 09:33 | gc5f4070.d | 3.61 | | |
| 460-5722-8 | MW-35 | 09/17/2009 09:39 | gc5f4071.d | 3.62 | | |
| 460-5722-9 | MW-36 | 09/17/2009 09:45 | gc5f4072.d | 3.62 | | |
| CCV 460-17229/8 | | 09/17/2009 09:58 | gc5f4074.d | 3.62 | | |

1Pent = 1-Pentanol

1Pent RT Limit = ± 0.10 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII 8015B

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-31 Lab Sample ID: 460-5722-1

Matrix: Water Lab File ID: gc5f4060.d

Analysis Method: 8015B Date Collected: 09/15/2009 14:05

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 08:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17223 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 730 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 107 | 52-122 | |

Data File: gc5f4060.d
Report Date: 17-Sep-2009 10:05

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4060.d
Lab Smp Id: 460-5722-A-1 Client Smp ID: MW-31
Inj Date : 17-SEP-2009 08:30
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5722-A-1
Misc Info : 460-5722-A-1
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:04 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

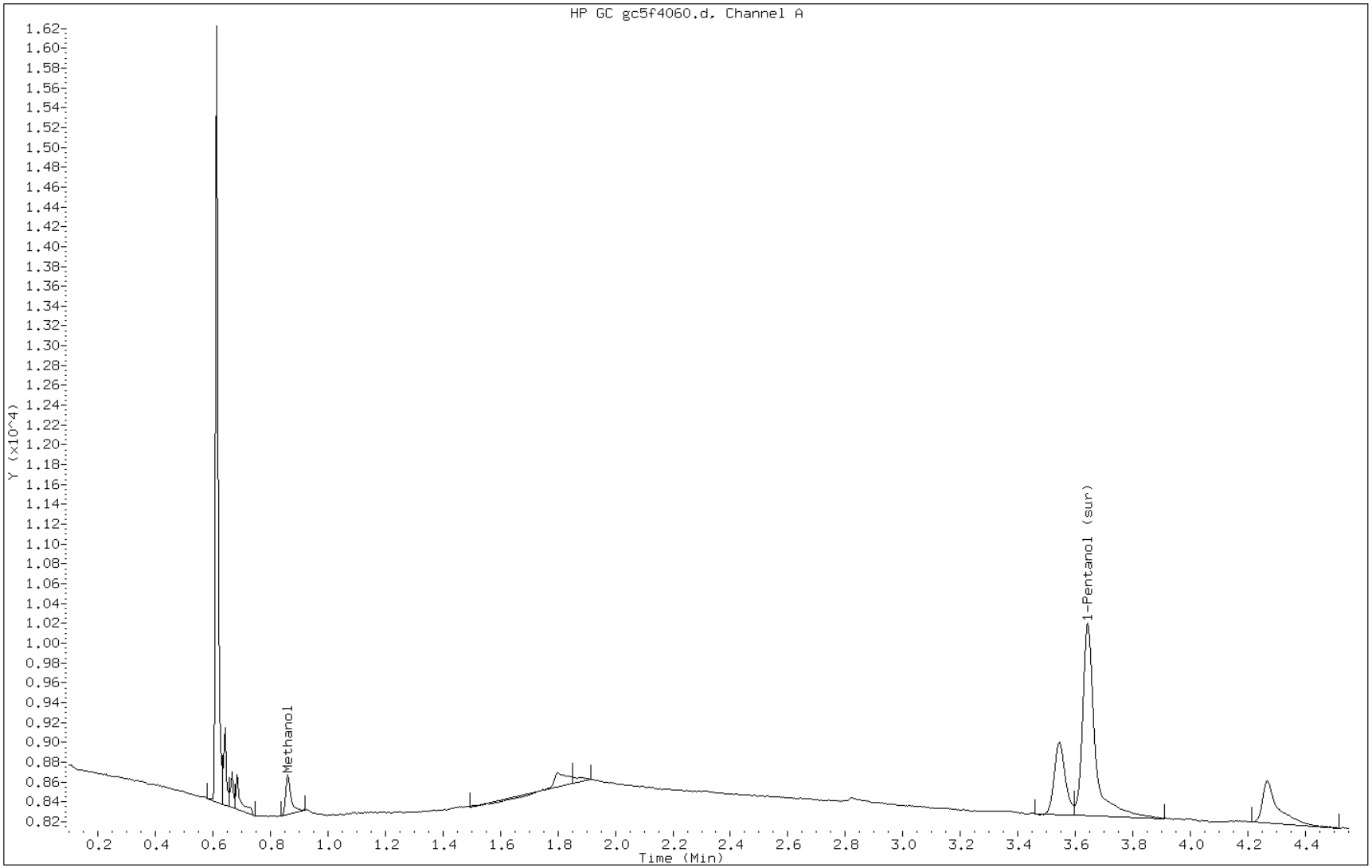
| | Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 3 | Methanol | 0.860 | 0.891 | -0.031 | 2595 | 733.121 | 733 |
| 5 | Ethanol | Compound Not Detected. | | | | | |
| 4 | tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 | Isopropanol | Compound Not Detected. | | | | | |
| 7 | 1-Propanol | Compound Not Detected. | | | | | |
| 9 | Isobutanol | Compound Not Detected. | | | | | |
| 10 | n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 | 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 | 1-Pentanol (sur) | 3.643 | 3.701 | -0.058 | 28906 | 5359.14 | 5360 |

Data File: gc5f4060.d

Date: 17-SEP-2009 08:30

Client ID: MW-31 Instrument: BNAGC5.i

Sample Info: 460-5722-A-1 Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-34  Lab Sample ID: 460-5722-2

Matrix: Water  Lab File ID: gc5f4061.d

Analysis Method: 8015B  Date Collected: 09/15/2009 12:45

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 08:37

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17223  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 1000 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 101 | 52-122 | |

Data File: gc5f4061.d
Report Date: 17-Sep-2009 10:05

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4061.d
Lab Smp Id: 460-5722-B-2 Client Smp ID: MW-34
Inj Date : 17-SEP-2009 08:37
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5722-B-2
Misc Info : 460-5722-B-2
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:04 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

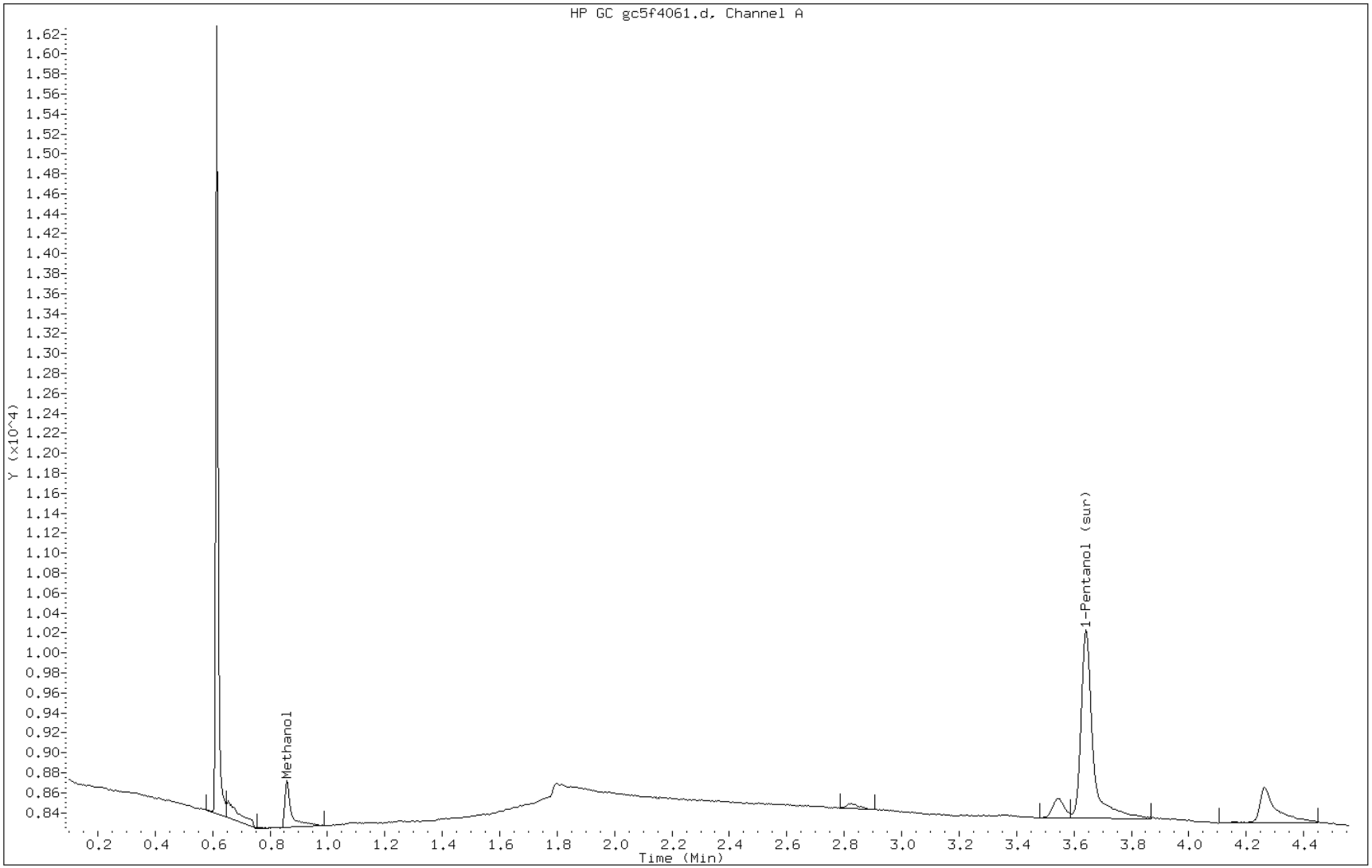
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.861 | 0.891 | -0.030 | 3700 | 1045.30 | 1040 |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.641 | 3.701 | -0.060 | 27207 | 5044.15 | 5040 |

Data File: gc5f4061.d

Date: 17-SEP-2009 08:37

Client ID: MW-34 Instrument: BNAGC5.i

Sample Info: 460-5722-B-2 Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-02RR  Lab Sample ID: 460-5722-3

Matrix: Water  Lab File ID: gc5f4062.d

Analysis Method: 8015B  Date Collected: 09/15/2009 10:00

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 08:43

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17223  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 1000 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 103 | 52-122 | |

Data File: gc5f4062.d
Report Date: 17-Sep-2009 10:05

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4062.d
Lab Smp Id: 460-5722-A-3 Client Smp ID: TW-02RR
Inj Date : 17-SEP-2009 08:43
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5722-A-3
Misc Info : 460-5722-A-3
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:04 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.855 | 0.891 | -0.036 | 3644 | 1029.48 | 1030 |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.628 | 3.701 | -0.073 | 27662 | 5128.50 | 5130 |

Data File: gc5f4062.d

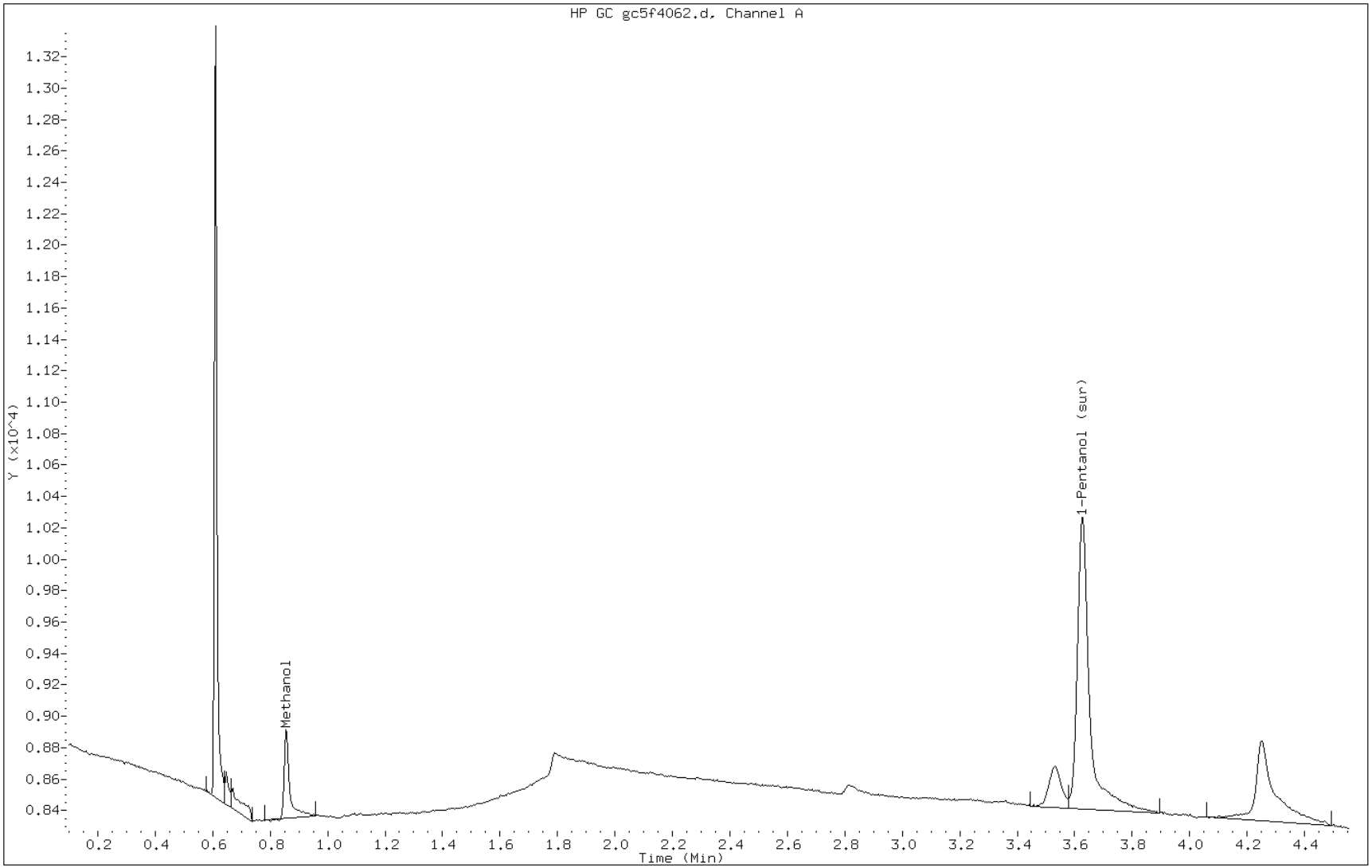
Date: 17-SEP-2009 08:43

Client ID: TW-02RR

Instrument: BNAGC5.i

Sample Info: 460-5722-A-3

Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5722-1

SDG No.:

Client Sample ID: DUP-091509  Lab Sample ID: 460-5722-4

Matrix: Water  Lab File ID: gc5f4063.d

Analysis Method: 8015B  Date Collected: 09/15/2009 00:00

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 08:49

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17223  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 1200 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 103 | 52-122 | |

Data File: gc5f4063.d
Report Date: 17-Sep-2009 10:05

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4063.d
Lab Smp Id: 460-5722-A-4 Client Smp ID: DUP-091509
Inj Date : 17-SEP-2009 08:49
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5722-A-4
Misc Info : 460-5722-A-4
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:04 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

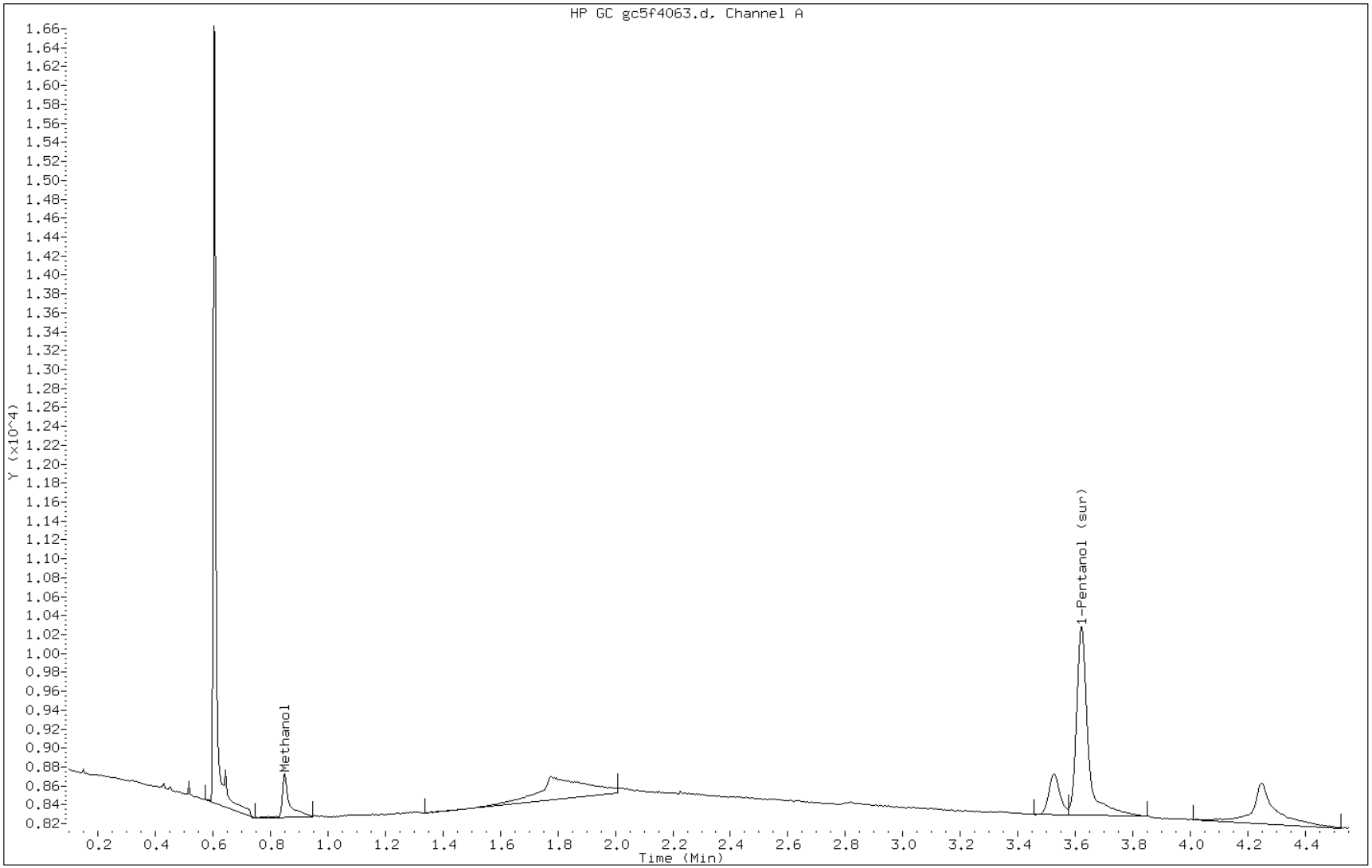
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.849 | 0.891 | -0.042 | 4149 | 1172.15 | 1170 |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.622 | 3.701 | -0.079 | 27680 | 5131.84 | 5130 |

Data File: gc5f4063.d

Date: 17-SEP-2009 08:49

Client ID: DUP-091509 Instrument: BNAGC5.i

Sample Info: 460-5722-A-4 Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-9S  Lab Sample ID: 460-5722-5

Matrix: Water  Lab File ID: gc5f4064.d

Analysis Method: 8015B  Date Collected: 09/15/2009 13:15

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 08:55

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17223  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 730 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 103 | 52-122 | |

Data File: gc5f4064.d
Report Date: 17-Sep-2009 10:16

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4064.d
Lab Smp Id: 460-5722-C-5 Client Smp ID: MW-9S
Inj Date : 17-SEP-2009 08:55
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5722-C-5
Misc Info : 460-5722-C-5
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:04 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.851 | 0.891 | -0.040 | 2600 | 734.534 | 734 |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.627 | 3.701 | -0.074 | 27773 | 5149.08 | 5150 |

Data File: gc5f4064.d

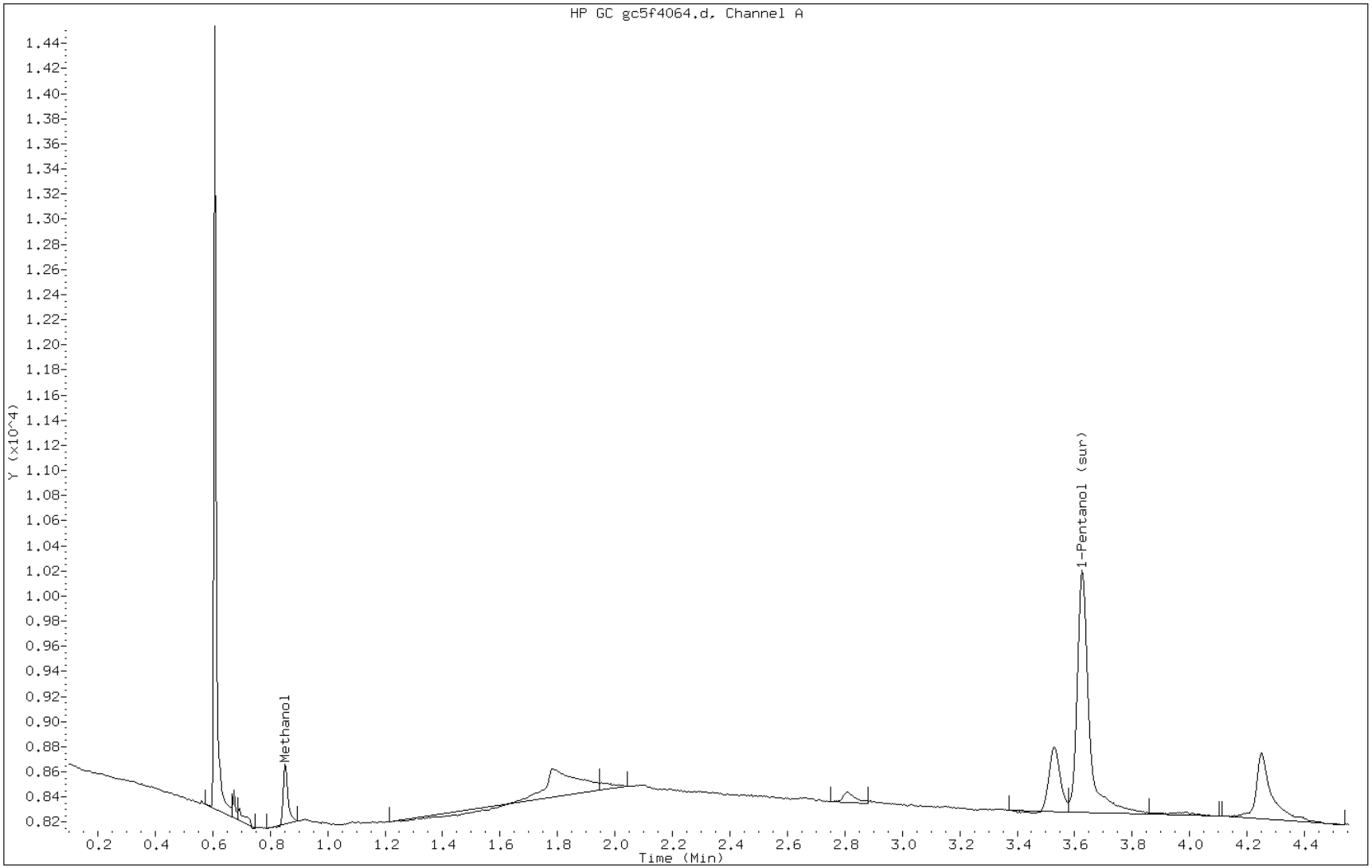
Date: 17-SEP-2009 08:55

Client ID: MW-9S

Instrument: BNAGC5.i

Sample Info: 460-5722-C-5

Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-32  Lab Sample ID: 460-5722-6

Matrix: Water  Lab File ID: gc5f4069.d

Analysis Method: 8015B  Date Collected: 09/15/2009 14:45

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 09:26

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17229  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 1200 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 102 | 52-122 | |

Data File: gc5f4069.d
Report Date: 17-Sep-2009 11:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/gc5f4069.d
Lab Smp Id: 460-5722-A-6 Client Smp ID: MW-32
Inj Date : 17-SEP-2009 09:26
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5722-A-6
Misc Info : 460-5722-A-6
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/alcohols2008.m
Meth Date : 17-Sep-2009 11:15 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

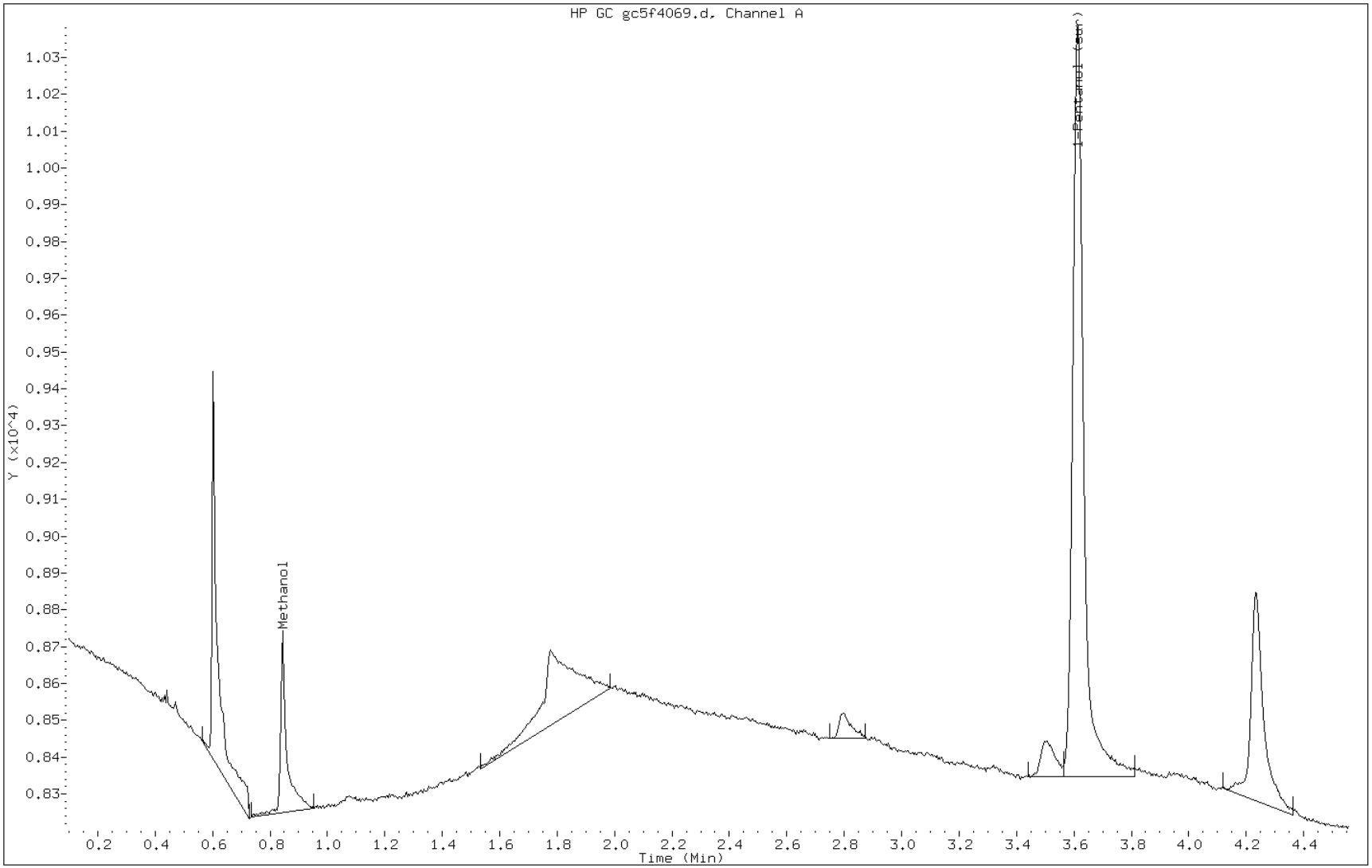
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.844 | 0.846 | -0.002 | 4222 | 1192.77 | 1190 |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.612 | 3.614 | -0.002 | 27617 | 5120.16 | 5120 |

Data File: gc5f4069.d

Date: 17-SEP-2009 09:26

Client ID: MW-32 Instrument: BNAGC5.i

Sample Info: 460-5722-A-6 Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-01 Lab Sample ID: 460-5722-7

Matrix: Water Lab File ID: gc5f4070.d

Analysis Method: 8015B Date Collected: 09/15/2009 15:10

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 09:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17229 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 970 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 104 | 52-122 | |

Data File: gc5f4070.d
Report Date: 17-Sep-2009 11:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/gc5f4070.d
Lab Smp Id: 460-5722-C-7 Client Smp ID: TW-01
Inj Date : 17-SEP-2009 09:33
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5722-C-7
Misc Info : 460-5722-C-7
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/alcohols2008.m
Meth Date : 17-Sep-2009 11:15 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.823 | 0.846 | -0.023 | 3427 | 968.172 | 968(M) |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.607 | 3.614 | -0.007 | 28071 | 5204.33 | 5200(M) |

QC Flag Legend

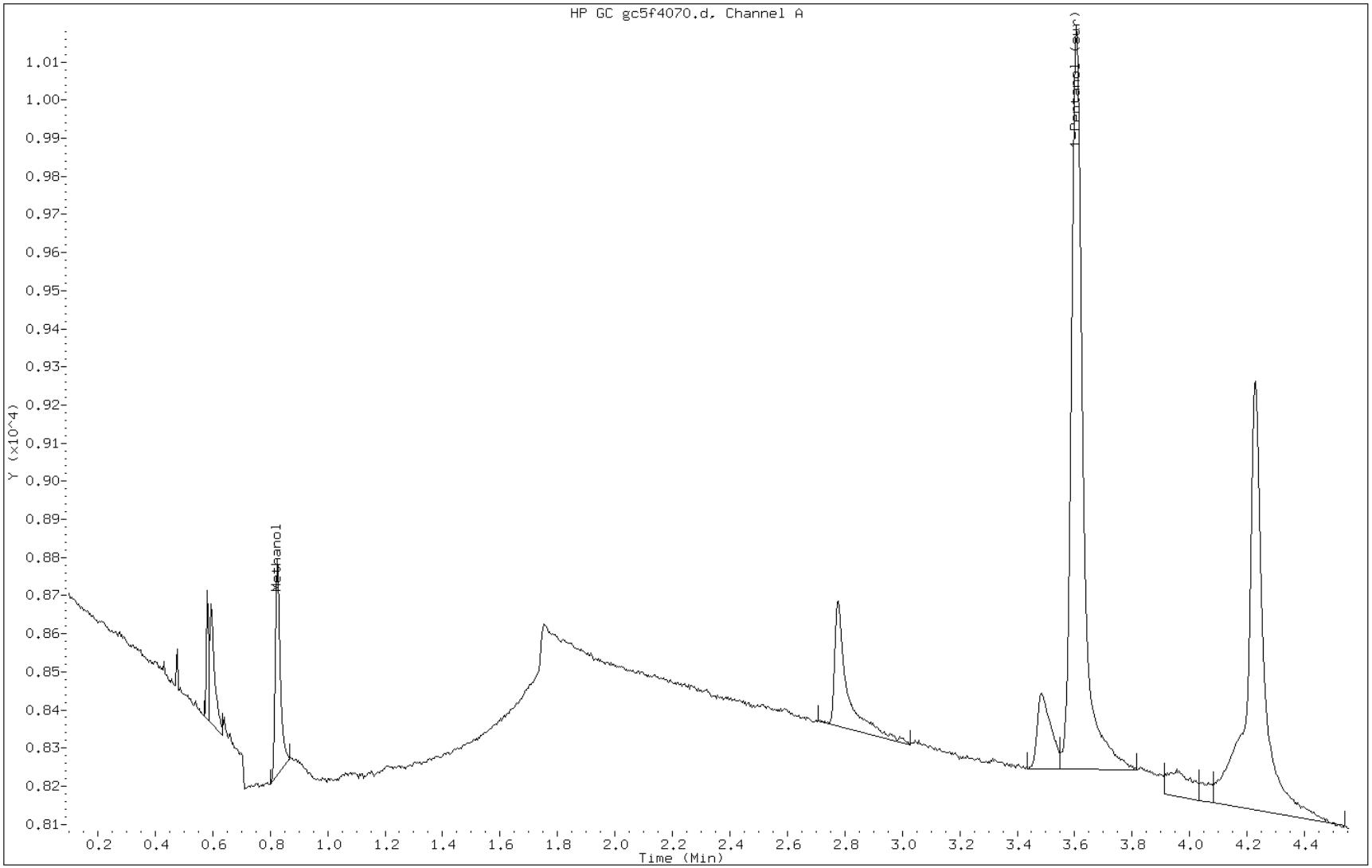
M - Compound response manually integrated.

Data File: gc5f4070.d

Date: 17-SEP-2009 09:33

Client ID: TW-01 Instrument: BNAGC5.i

Sample Info: 460-5722-C-7 Operator: 615



# Manual Integration Report

Data File: gc5f4070.d
Inj. Date and Time: 17-SEP-2009 09:33
Instrument ID: BNAGC5.i
Client ID: TW-01
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 0.84

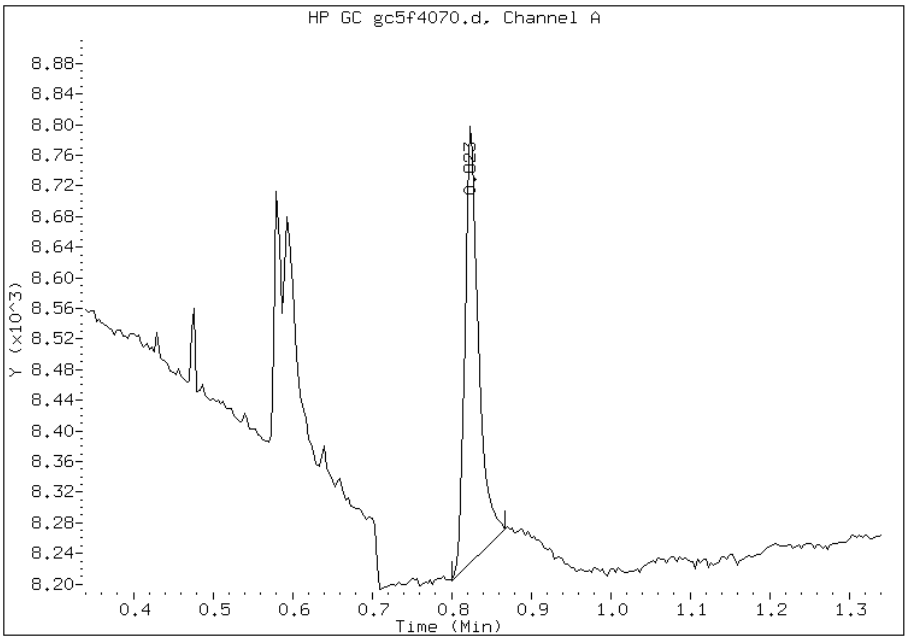
## Manual Integration Results

RT: 0.82

Response: 3427

Amount: 968.17

Conc: 968.17




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4070.d
Inj. Date and Time: 17-SEP-2009 09:33
Instrument ID: BNAGC5.i
Client ID: TW-01
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 3.62

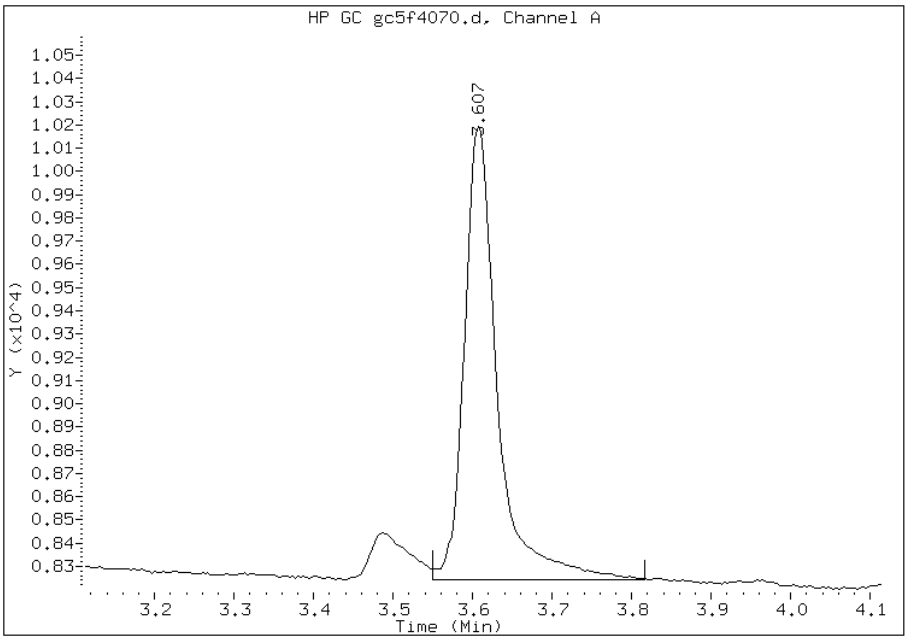
## Manual Integration Results

RT: 3.61

Response: 28071

Amount: 5204.33

Conc: 5204.33




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-35 Lab Sample ID: 460-5722-8

Matrix: Water Lab File ID: gc5f4071.d

Analysis Method: 8015B Date Collected: 09/15/2009 11:20

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 09:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17229 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 1100 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 102 | 52-122 | |

Data File: gc5f4071.d
Report Date: 17-Sep-2009 11:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/gc5f4071.d
Lab Smp Id: 460-5722-C-8 Client Smp ID: MW-35
Inj Date : 17-SEP-2009 09:39
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5722-C-8
Misc Info : 460-5722-C-8
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/alcohols2008.m
Meth Date : 17-Sep-2009 11:15 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

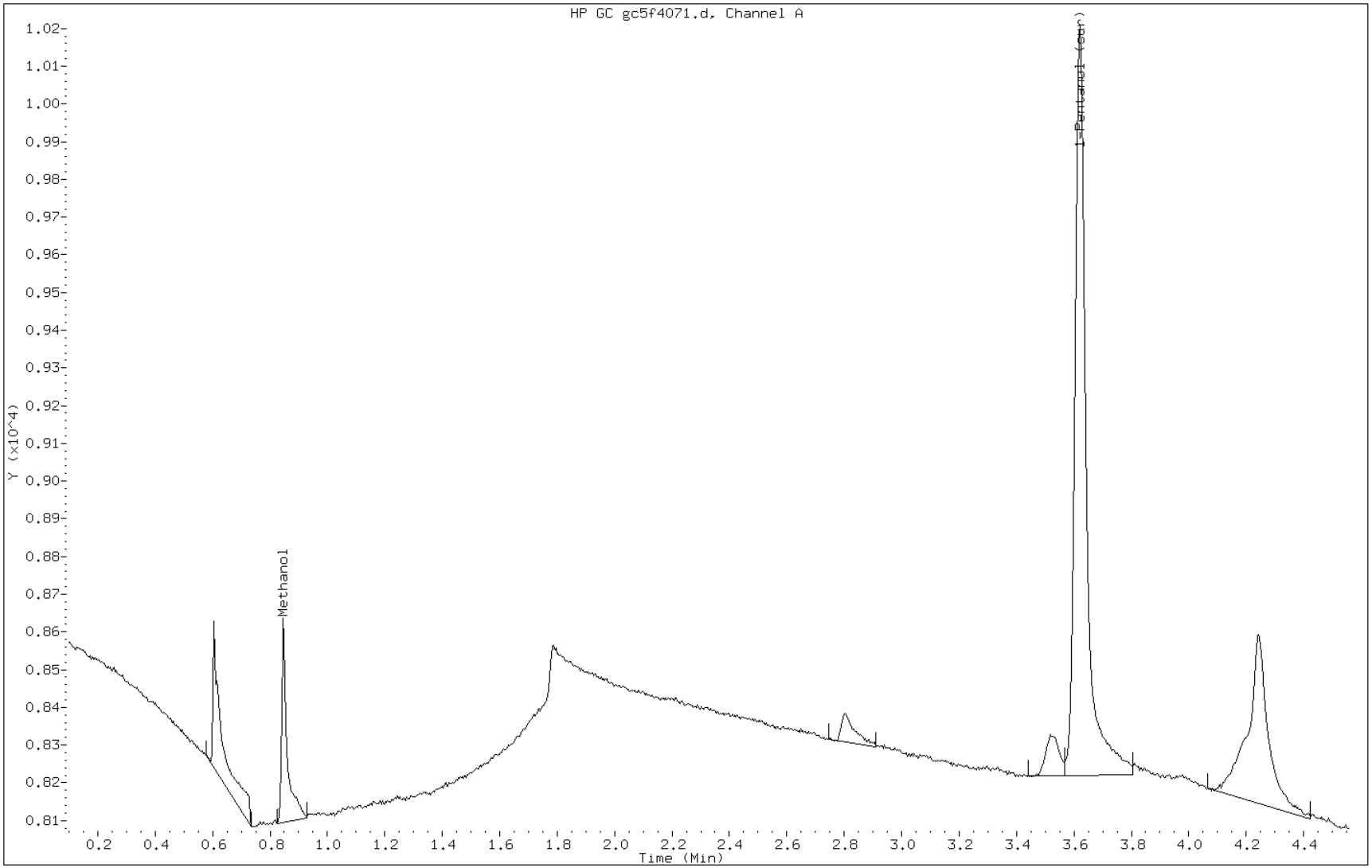
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.847 | 0.846 | 0.001 | 3964 | 1119.88 | 1120 |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.619 | 3.614 | 0.005 | 27601 | 5117.19 | 5120 |

Data File: gc5f4071.d

Date: 17-SEP-2009 09:39

Client ID: MW-35 Instrument: BNAGC5.i

Sample Info: 460-5722-C-8 Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5722-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-5722-9

Matrix: Water | Lab File ID: gc5f4072.d

Analysis Method: 8015B | Date Collected: 09/15/2009 10:10

Sample wt/vol: 1(uL) | Date Analyzed: 09/17/2009 09:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17229 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 115 | 52-122 | |

Data File: gc5f4072.d
Report Date: 17-Sep-2009 11:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/gc5f4072.d
Lab Smp Id: 460-5722-A-9 Client Smp ID: MW-36
Inj Date : 17-SEP-2009 09:45
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5722-A-9
Misc Info : 460-5722-A-9
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/alcohols2008.m
Meth Date : 17-Sep-2009 11:15 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

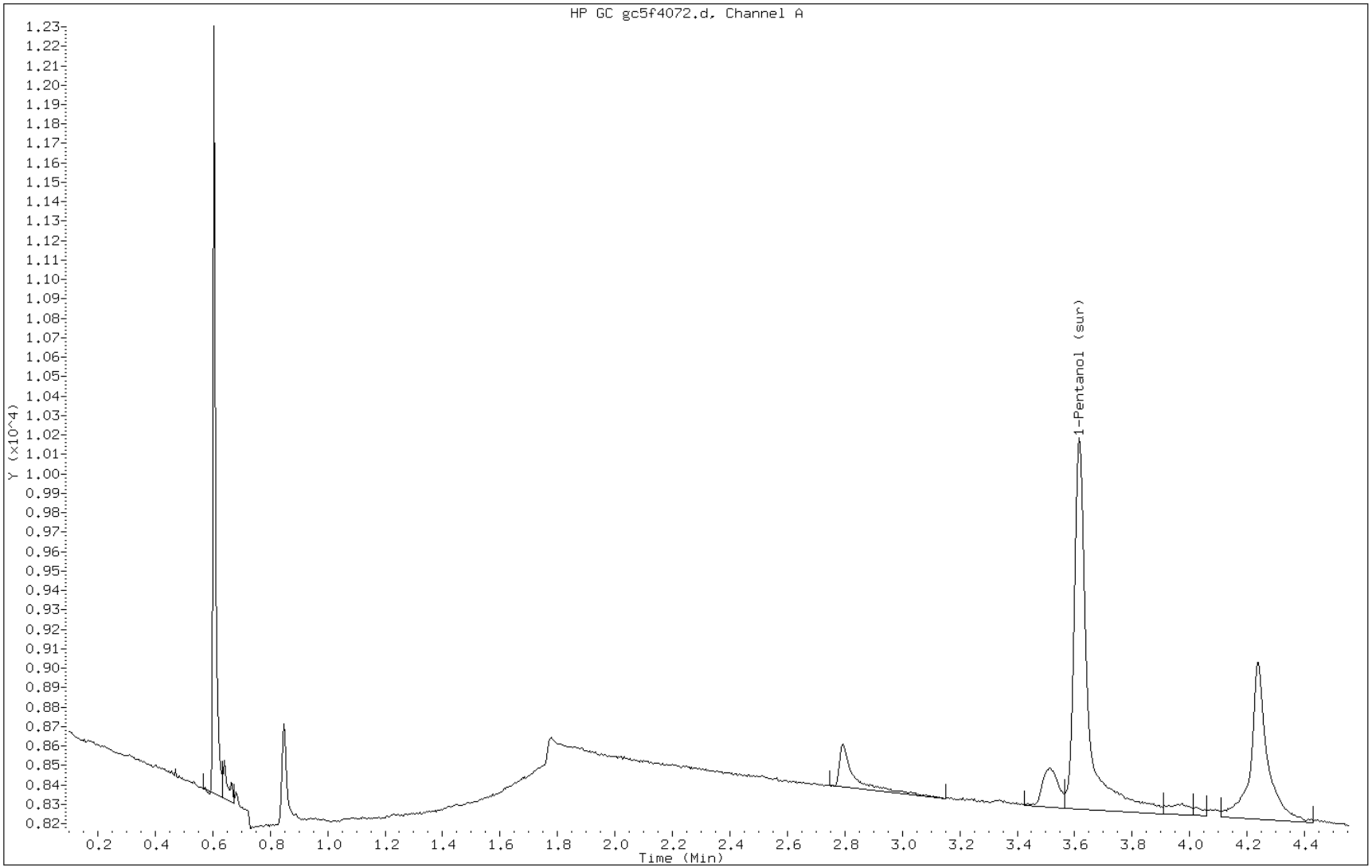
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.617 | 3.614 | 0.003 | 30904 | 5729.57 | 5730 |

Data File: gc5f4072.d

Date: 17-SEP-2009 09:45

Client ID: MW-36 Instrument: BNAGC5.i

Sample Info: 460-5722-A-9 Operator: 615



FORM VI
GC VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17212

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2009 15:26 Calibration End Date: 09/16/2009 15:51 Calibration ID: 3106

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17212/7 | gc5f4051.d |
| Level 2 | IC 460-17212/6 | gc5f4050.d |
| Level 3 | IC 460-17212/5 | gc5f4049.d |
| Level 4 | IC 460-17212/4 | gc5f4048.d |
| Level 5 | IC 460-17212/3 | gc5f4047.d |

| ANALYTE | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | | | | | RT WINDOW | AVG RT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Methanol | 0.927 | 0.923 | 0.927 | 0.937 | 0.941 | | | | | | 0.827 - 1.027 | 0.931 |
| Ethanol | 1.177 | 1.173 | 1.180 | 1.189 | 1.194 | | | | | | 1.080 - 1.280 | 1.183 |
| 2-Methyl-2-propanol | 1.383 | 1.380 | 1.387 | 1.399 | 1.403 | | | | | | 1.287 - 1.487 | 1.390 |
| Isopropyl alcohol | 1.553 | 1.547 | 1.553 | 1.566 | 1.569 | | | | | | 1.453 - 1.653 | 1.558 |
| Propanol | 1.843 | 1.840 | 1.847 | 1.860 | 1.864 | | | | | | 1.747 - 1.947 | 1.851 |
| Isobutyl alcohol | 2.136 | 2.133 | 2.140 | 2.155 | 2.158 | | | | | | 2.040 - 2.240 | 2.144 |
| n-Butanol | 2.413 | 2.411 | 2.417 | 2.433 | 2.435 | | | | | | 2.317 - 2.517 | 2.422 |
| sec-Butyl Alcohol | 2.760 | 2.755 | 2.760 | 2.777 | 2.780 | | | | | | 2.660 - 2.860 | 2.766 |
| 1-Pentanol | 3.780 | 3.777 | 3.780 | 3.797 | 3.801 | | | | | | 3.680 - 3.880 | 3.787 |

FORM VI
GC VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17212

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2009 15:26 Calibration End Date: 09/16/2009 15:51 Calibration ID: 3106

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17212/7 | gc5f4051.d |
| Level 2 | IC 460-17212/6 | gc5f4050.d |
| Level 3 | IC 460-17212/5 | gc5f4049.d |
| Level 4 | IC 460-17212/4 | gc5f4048.d |
| Level 5 | IC 460-17212/3 | gc5f4047.d |

| ANALYTE | RRF | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 5 | LVL 2 | LVL 3 | LVL 4 | | B | M1 | M2 | | | | | | | | |
| Methanol | 3.0640 3.5335 | 3.7710 | 3.7776 | 3.5522 | Ave | | 4 | | | | 8.2 | | 20.0 | | | |
| Ethanol | 3.0920 3.7970 | 4.4930 | 4.1370 | 3.8228 | Ave | | 4 | | | | 13.4 | | 20.0 | | | |
| 2-Methyl-2-propanol | 3.3560 4.0549 | 4.3600 | 4.3490 | 4.0348 | Ave | | 4 | | | | 10.1 | | 20.0 | | | |
| Isopropyl alcohol | 6.1560 5.8636 | 6.1630 | 6.1868 | 5.7817 | Ave | | 6 | | | | 3.2 | | 20.0 | | | |
| Propanol | 4.7180 4.8537 | 4.9360 | 5.0560 | 4.7147 | Ave | | 5 | | | | 3.0 | | 20.0 | | | |
| Isobutyl alcohol | 5.9800 4.5516 | 4.7595 | 4.8170 | 4.5563 | Ave | | 5 | | | | 12.1 | | 20.0 | | | |
| n-Butanol | 7.0600 5.3611 | 5.3690 | 5.3396 | 5.2469 | Ave | | 6 | | | | 13.7 | | 20.0 | | | |
| sec-Butyl Alcohol | 6.7700 5.2537 | 5.1140 | 5.1882 | 4.9640 | Ave | | 5 | | | | 13.6 | | 20.0 | | | |
| 1-Pentanol | 5.4540 5.2596 | 5.3770 | 5.6726 | 5.2057 | Ave | | 5 | | | | 3.4 | | 20.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5722-1 Analy Batch No.: 17212

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2009 15:26 Calibration End Date: 09/16/2009 15:51 Calibration ID: 3106

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17212/7 | gc5f4051.d |
| Level 2 | IC 460-17212/6 | gc5f4050.d |
| Level 3 | IC 460-17212/5 | gc5f4049.d |
| Level 4 | IC 460-17212/4 | gc5f4048.d |
| Level 5 | IC 460-17212/3 | gc5f4047.d |

| ANALYTE | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Methanol | Ave | 1532 | 7542 | 18888 | 88805 | 176675 | 500 | 2000 | 5000 | 25000 | 50000 |
| Ethanol | Ave | 1546 | 8986 | 20685 | 95570 | 189850 | 500 | 2000 | 5000 | 25000 | 50000 |
| 2-Methyl-2-propanol | Ave | 1678 | 8720 | 21745 | 100869 | 202745 | 500 | 2000 | 5000 | 25000 | 50000 |
| Isopropyl alcohol | Ave | 3078 | 12326 | 30934 | 144542 | 293182 | 500 | 2000 | 5000 | 25000 | 50000 |
| Propanol | Ave | 2359 | 9872 | 25280 | 117868 | 242687 | 500 | 2000 | 5000 | 25000 | 50000 |
| Isobutyl alcohol | Ave | 2990 | 9519 | 24085 | 113907 | 227580 | 500 | 2000 | 5000 | 25000 | 50000 |
| n-Butanol | Ave | 3530 | 10738 | 26698 | 131173 | 268055 | 500 | 2000 | 5000 | 25000 | 50000 |
| sec-Butyl Alcohol | Ave | 3385 | 10228 | 25941 | 124099 | 262685 | 500 | 2000 | 5000 | 25000 | 50000 |
| 1-Pentanol | Ave | 2727 | 10754 | 28363 | 130143 | 262978 | 500 | 2000 | 5000 | 25000 | 50000 |

Curve Type Legend:
Ave = Average

Data File: gc5f4047.d
Report Date: 17-Sep-2009 08:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/gc5f4047.d
Lab Smp Id: SGALCL5_00002
Inj Date  : 16-SEP-2009 15:26
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : SGALCL5_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 08:10 patelhe Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:26 Cal File: gc5f4047.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|
| | | | | | CAL-AMT | ON-COL |
| Compounds | RT | EXP RT | DLT RT | RESPONSE | ( ug/L) | ( ug/L) |
| 3 Methanol | 0.941 | 0.927 | 0.014 | 176675 | 50000.0 | 49900 |
| 5 Ethanol | 1.194 | 1.180 | 0.014 | 189850 | 50000.0 | 49100 |
| 4 tert-Butyl Alcohol | 1.403 | 1.387 | 0.016 | 202745 | 50000.0 | 50300(A) |
| 6 Isopropanol | 1.569 | 1.553 | 0.016 | 293182 | 50000.0 | 48600 |
| 7 1-Propanol | 1.864 | 1.847 | 0.017 | 242687 | 50000.0 | 50000 |
| 9 Isobutanol | 2.158 | 2.140 | 0.018 | 227580 | 50000.0 | 46100 |
| 10 n-Butanol(1-Butanol) | 2.435 | 2.417 | 0.018 | 268055 | 50000.0 | 47200 |
| 8 2-Butanol | 2.780 | 2.760 | 0.020 | 262685 | 50000.0 | 48100 |
| $ 11 1-Pentanol (sur) | 3.801 | 3.781 | 0.020 | 262978 | 50000.0 | 40800 |

QC Flag Legend

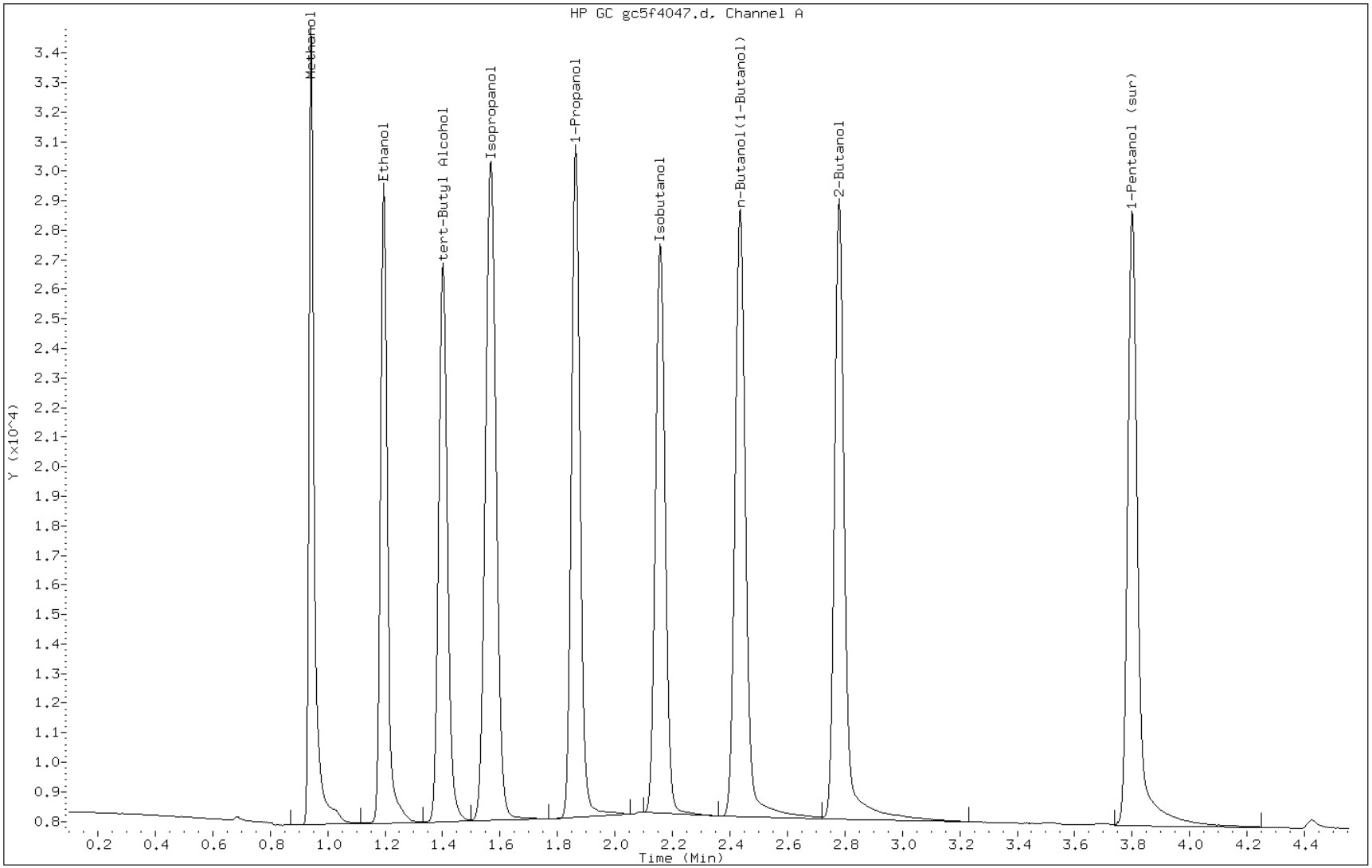
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: gc5f4047.d

Date: 16-SEP-2009 15:26

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL5_00002 Operator: 615



Data File: gc5f4048.d
Report Date: 17-Sep-2009 08:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/gc5f4048.d
Lab Smp Id: SGALCL4_00002
Inj Date : 16-SEP-2009 15:32
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL4_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 08:10 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:32 Cal File: gc5f4048.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.937 | 0.927 | 0.010 | 88805 | 25000.0 | 25100 |
| 5 Ethanol | 1.189 | 1.180 | 0.009 | 95570 | 25000.0 | 24700 |
| 4 tert-Butyl Alcohol | 1.399 | 1.387 | 0.012 | 100869 | 25000.0 | 25000 |
| 6 Isopropanol | 1.566 | 1.553 | 0.013 | 144542 | 25000.0 | 24000 |
| 7 1-Propanol | 1.860 | 1.847 | 0.013 | 117868 | 25000.0 | 24300(M) |
| 9 Isobutanol | 2.155 | 2.140 | 0.015 | 113907 | 25000.0 | 23100 |
| 10 n-Butanol(1-Butanol) | 2.433 | 2.417 | 0.016 | 131173 | 25000.0 | 23100 |
| 8 2-Butanol | 2.777 | 2.760 | 0.017 | 124099 | 25000.0 | 22700 |
| $ 11 1-Pentanol (sur) | 3.797 | 3.781 | 0.016 | 130143 | 25000.0 | 20200 |

QC Flag Legend

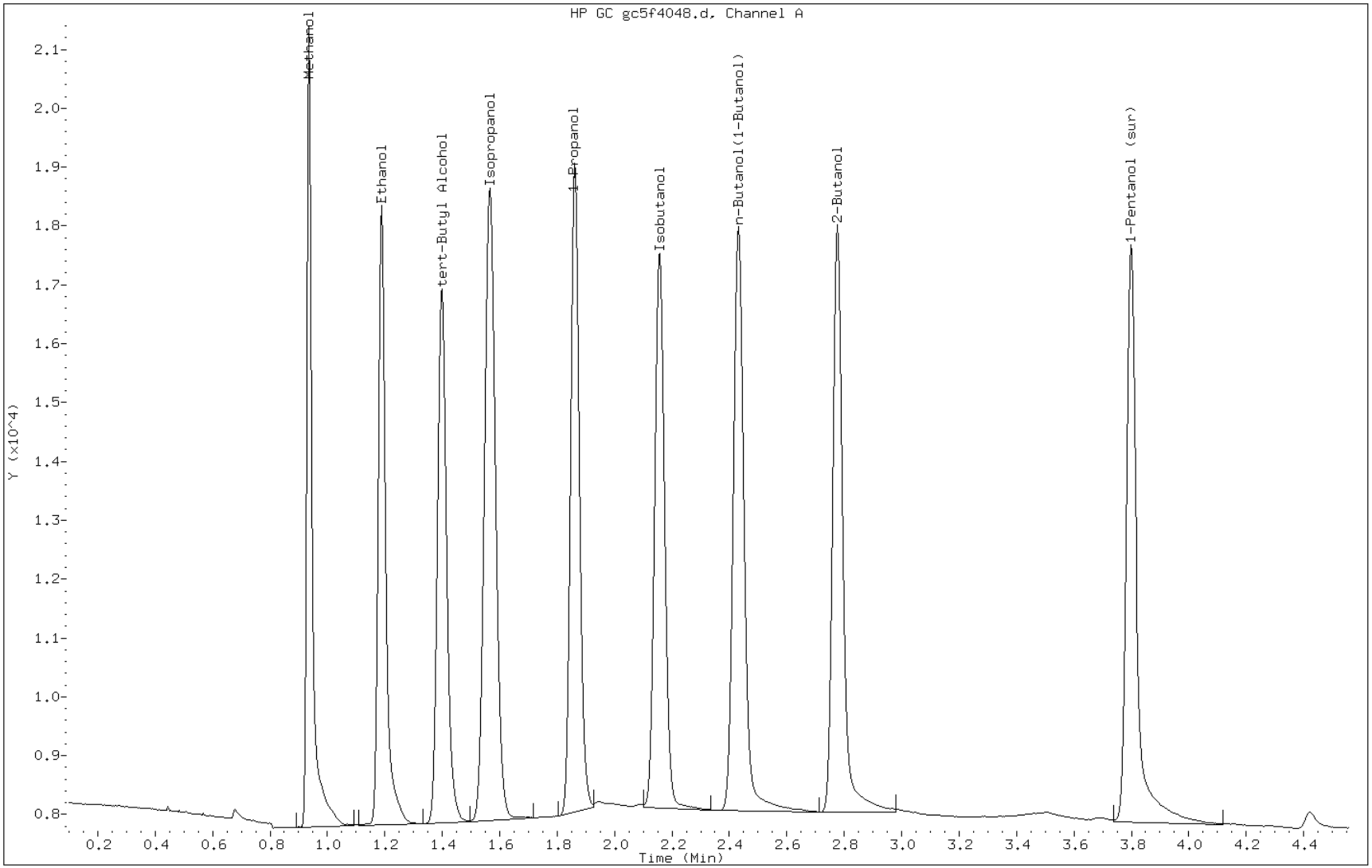
M - Compound response manually integrated.

Data File: gc5f4048.d

Date: 16-SEP-2009 15:32

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL4_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4048.d
Inj. Date and Time: 16-SEP-2009 15:32
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.85

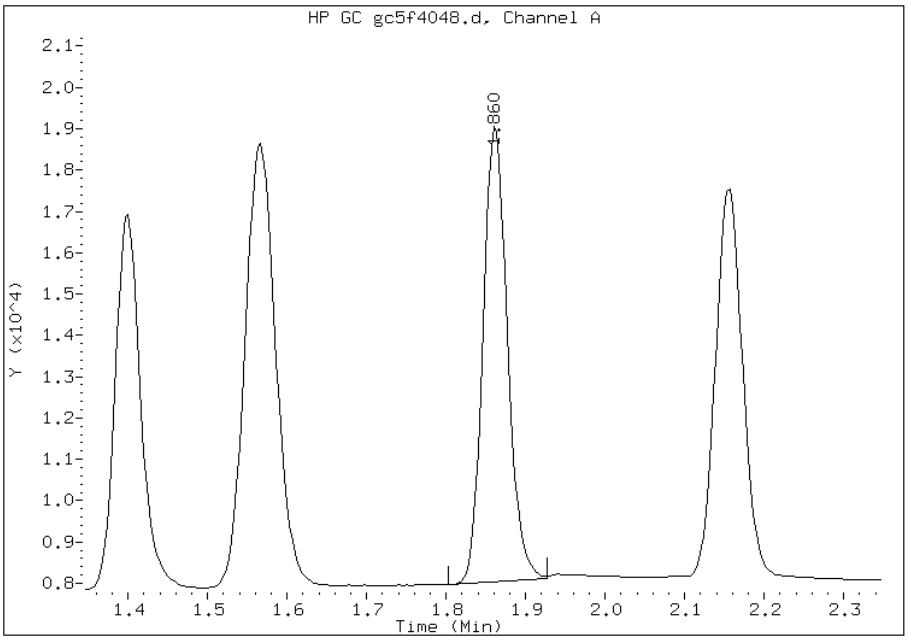
## Manual Integration Results

RT: 1.86

Response: 117868

Amount: 24274.19

Conc: 24274.19




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4049.d
Report Date: 17-Sep-2009 08:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/gc5f4049.d
Lab Smp Id: SGALCL3_00002
Inj Date : 16-SEP-2009 15:38
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL3_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 08:10 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:38 Cal File: gc5f4049.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.927 | 0.927 | 0.000 | 18888 | 5000.00 | 5340(M) |
| 5 Ethanol | 1.180 | 1.180 | 0.000 | 20685 | 5000.00 | 5350(M) |
| 4 tert-Butyl Alcohol | 1.387 | 1.387 | 0.000 | 21745 | 5000.00 | 5390(M) |
| 6 Isopropanol | 1.553 | 1.553 | 0.000 | 30934 | 5000.00 | 5130(M) |
| 7 1-Propanol | 1.847 | 1.847 | 0.000 | 25280 | 5000.00 | 5210(M) |
| 9 Isobutanol | 2.140 | 2.140 | 0.000 | 24085 | 5000.00 | 4880(M) |
| 10 n-Butanol(1-Butanol) | 2.417 | 2.417 | 0.000 | 26698 | 5000.00 | 4700(M) |
| 8 2-Butanol | 2.760 | 2.760 | 0.000 | 25941 | 5000.00 | 4750(M) |
| $ 11 1-Pentanol (sur) | 3.780 | 3.780 | 0.000 | 28363 | 5000.00 | 4440(M) |

QC Flag Legend

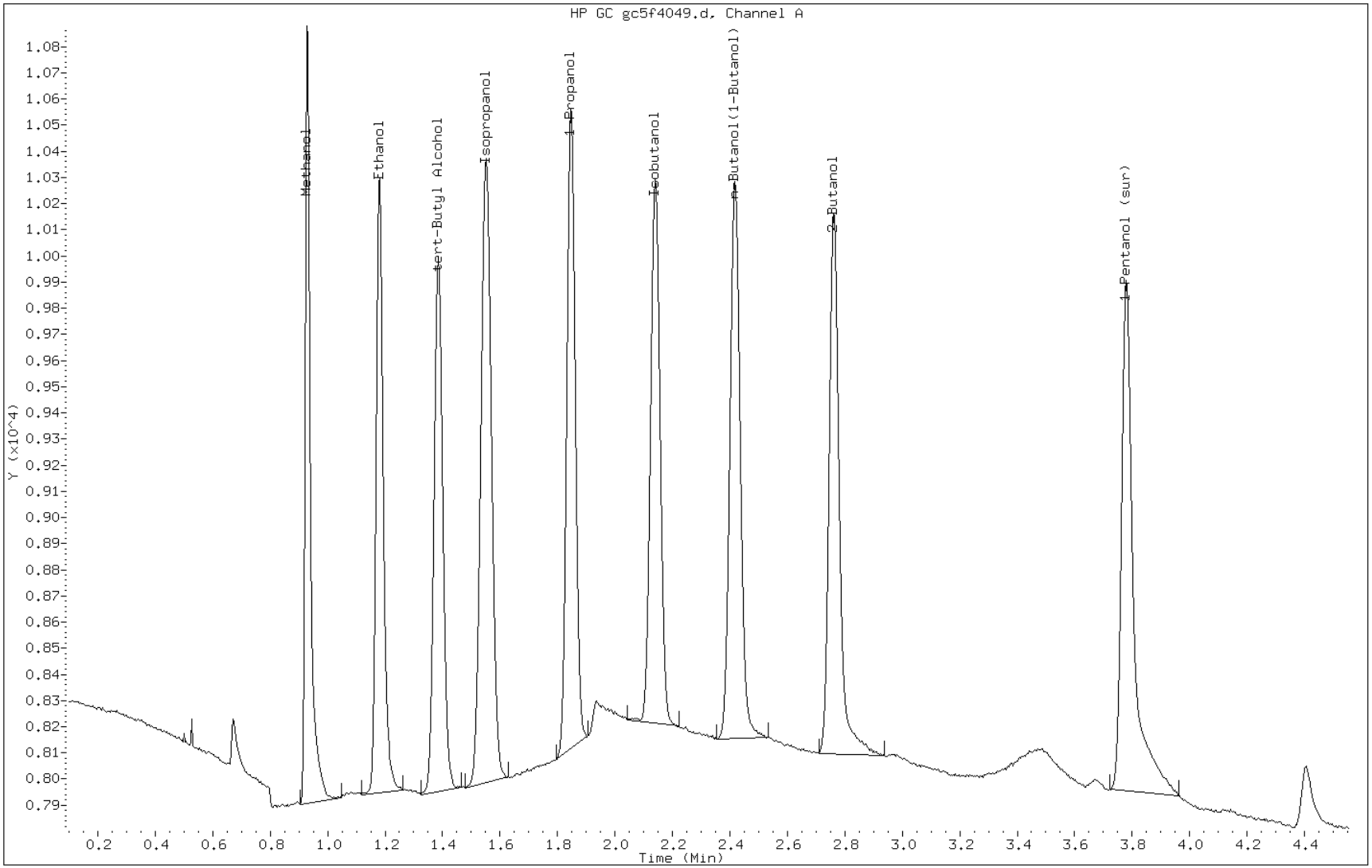
M - Compound response manually integrated.

Data File: gc5f4049.d

Date: 16-SEP-2009 15:38

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

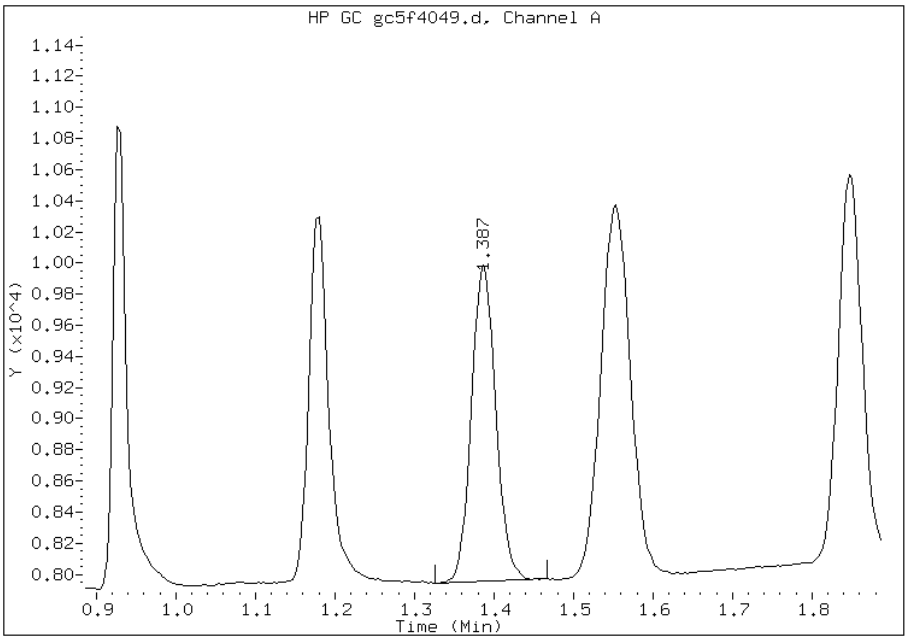
## Manual Integration Results

RT: 1.39

Response: 21745

Amount: 5394.53

Conc: 5394.53




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.85

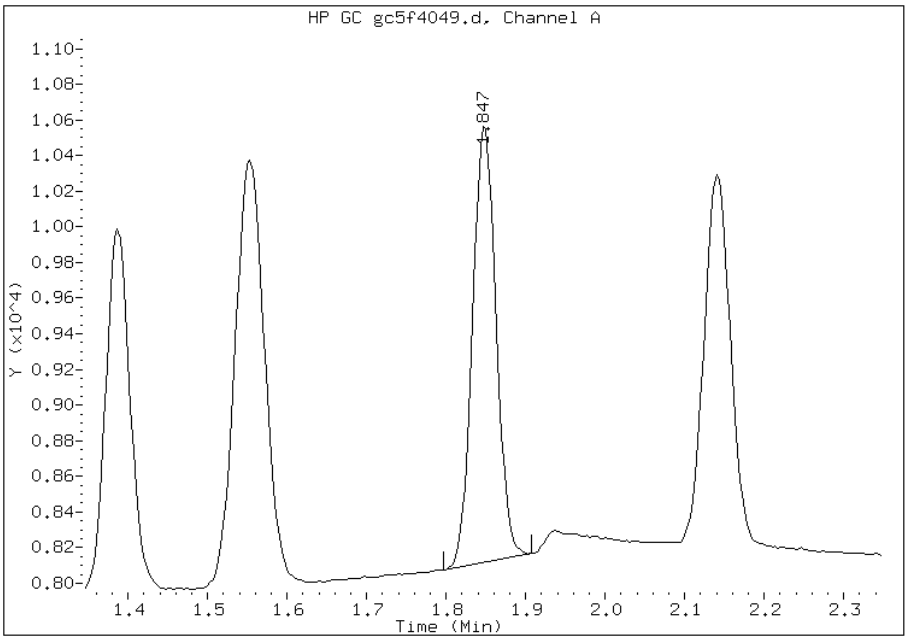
## Manual Integration Results

RT: 1.85

Response: 25280

Amount: 5206.26

Conc: 5206.26




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound: 3 Methanol
CAS #: 67-56-1
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 0.93

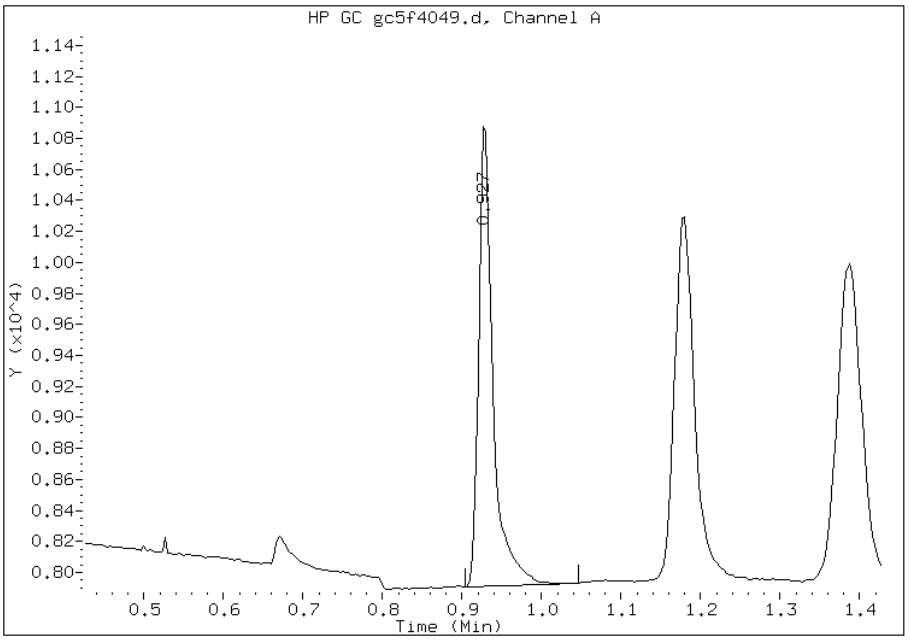
## Manual Integration Results

RT: 0.93

Response: 18888

Amount: 5336.11

Conc: 5336.11




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 2.42

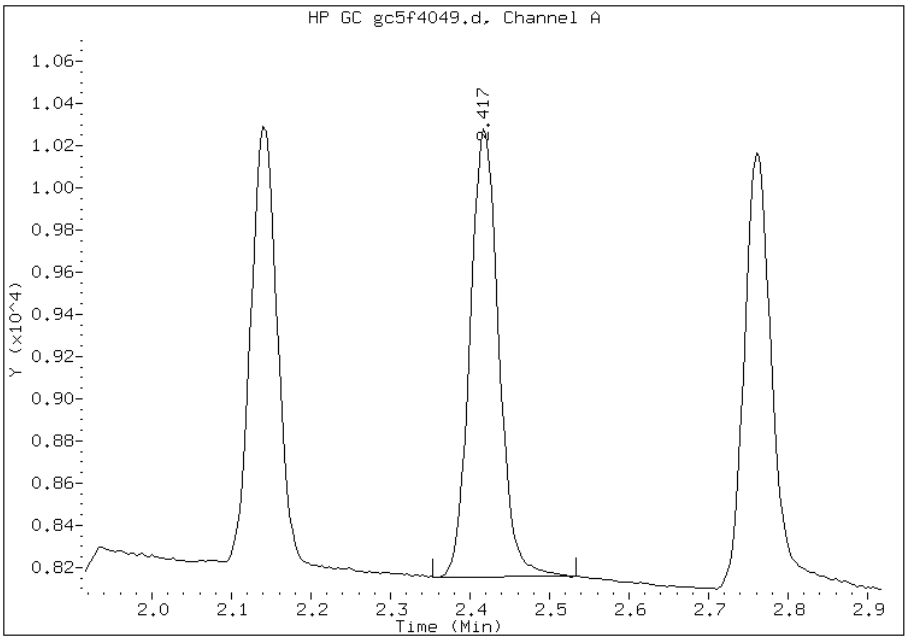
## Manual Integration Results

RT: 2.42

Response: 26698

Amount: 4704.22

Conc: 4704.22




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.18

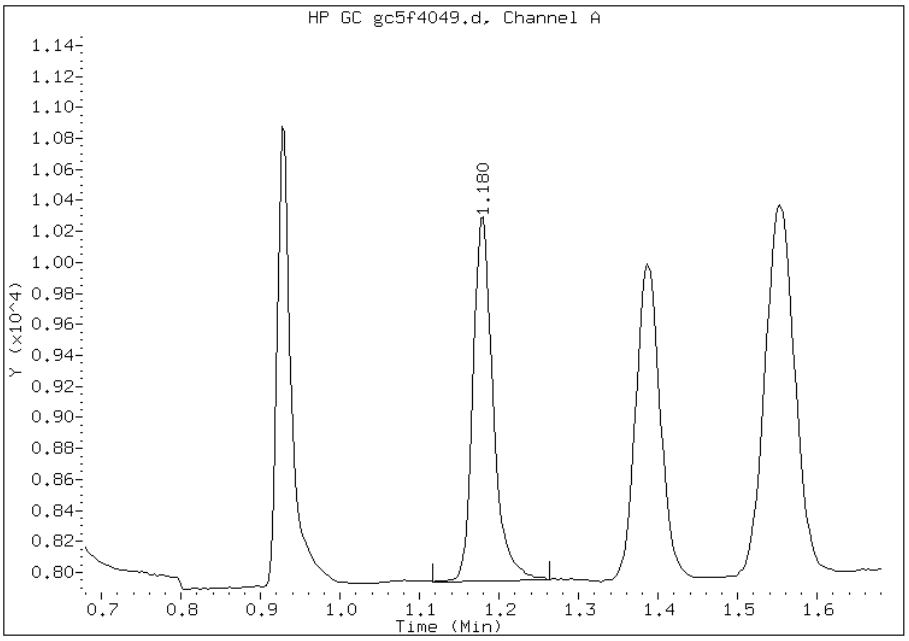
## Manual Integration Results

RT: 1.18

Response: 20685

Amount: 5347.23

Conc: 5347.23




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.55

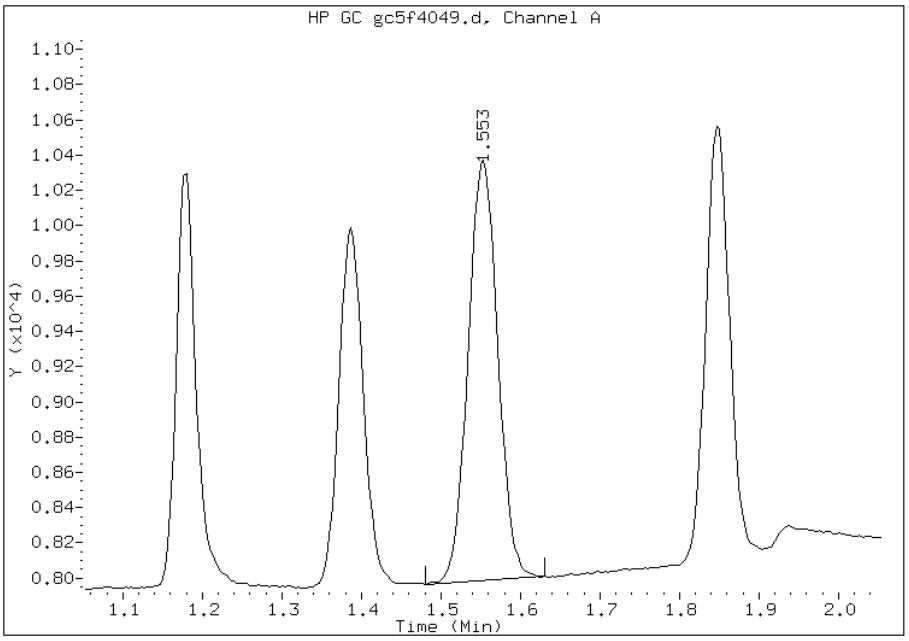
## Manual Integration Results

RT: 1.55

Response: 30934

Amount: 5129.83

Conc: 5129.83




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 2.14

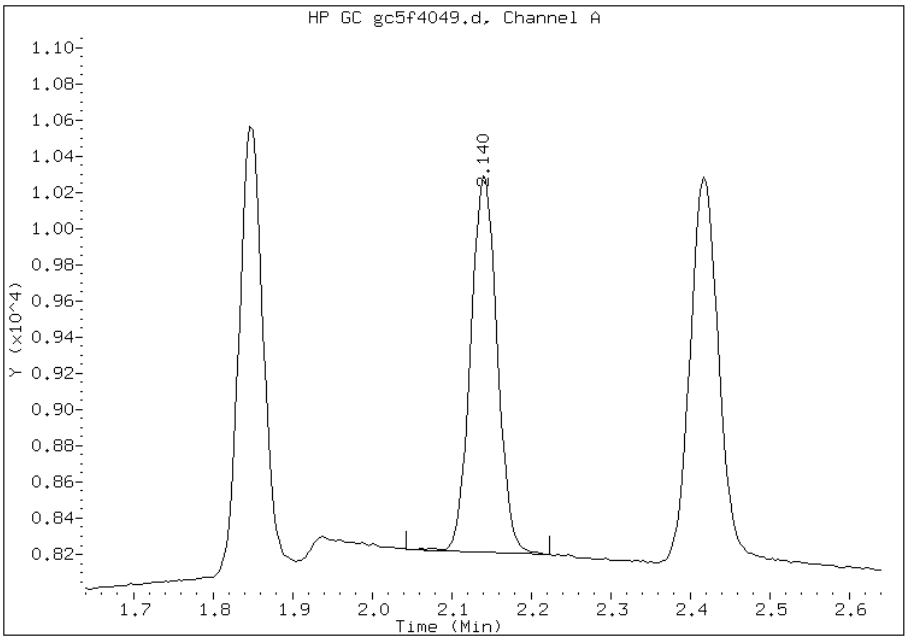
## Manual Integration Results

RT: 2.14

Response: 24085

Amount: 4882.55

Conc: 4882.55




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 2.76

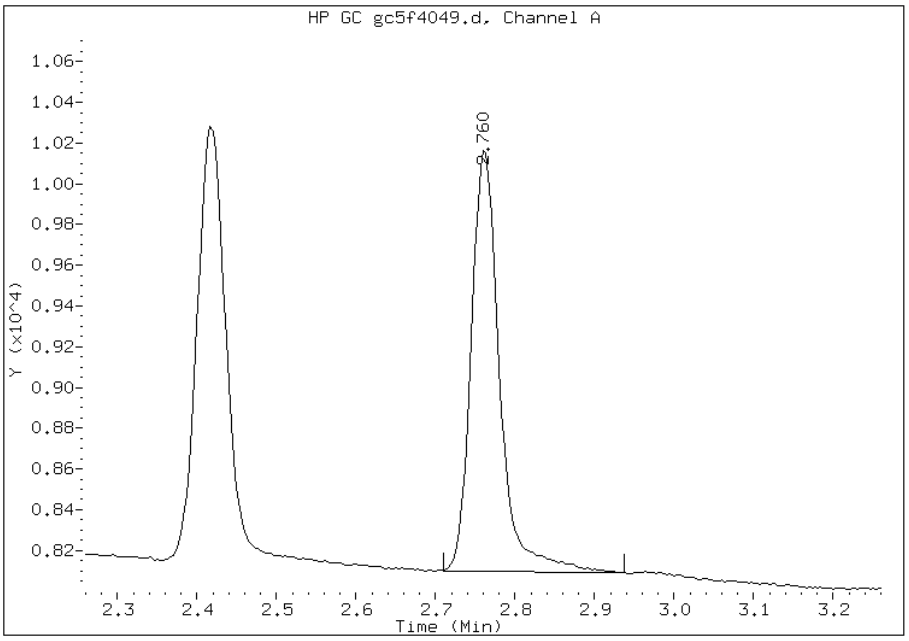
## Manual Integration Results

RT: 2.76

Response: 25941

Amount: 4752.86

Conc: 4752.86




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/17/2009

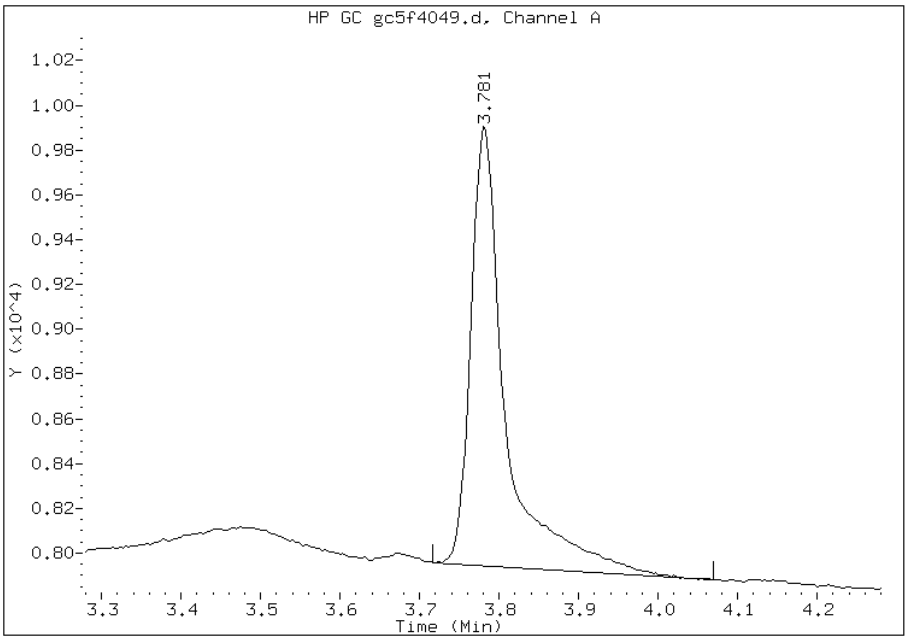
## Processing Integration Results

RT: 3.78

Response: 30133

Amount: 5481.42

Conc: 5481.42



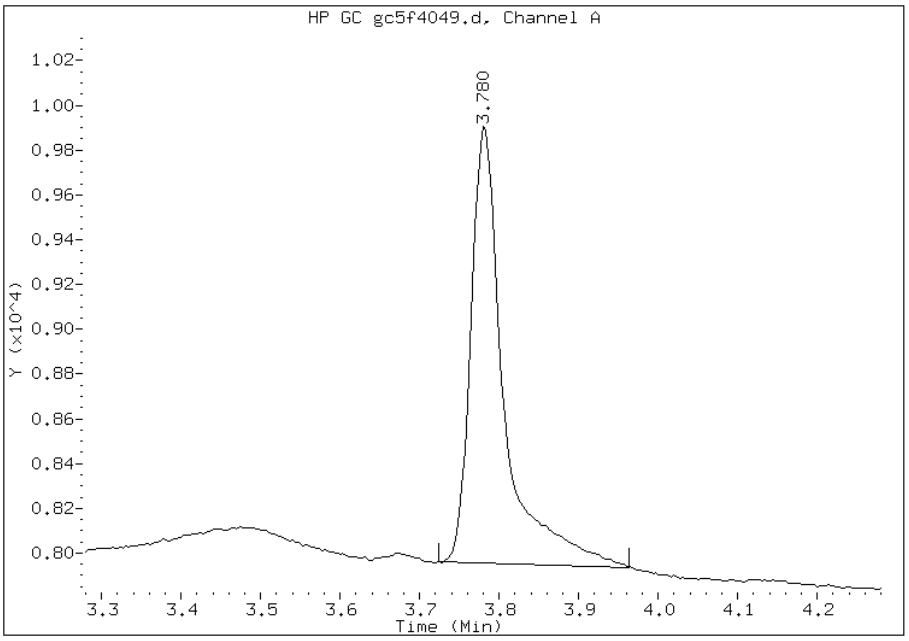

## Manual Integration Results

RT: 3.78

Response: 28363

Amount: 4445.63

Conc: 4445.63




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4050.d
Report Date: 17-Sep-2009 08:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/gc5f4050.d
Lab Smp Id: SGALCL2_00002
Inj Date : 16-SEP-2009 15:44
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL2_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 08:10 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:44 Cal File: gc5f4050.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.923 | 0.927 | -0.004 | 7542 | 2000.00 | 2130(M) |
| 5 Ethanol | 1.173 | 1.180 | -0.007 | 8986 | 2000.00 | 2320(M) |
| 4 tert-Butyl Alcohol | 1.380 | 1.387 | -0.007 | 8720 | 2000.00 | 2160(M) |
| 6 Isopropanol | 1.547 | 1.553 | -0.006 | 12326 | 2000.00 | 2040(M) |
| 7 1-Propanol | 1.840 | 1.847 | -0.007 | 9872 | 2000.00 | 2030(M) |
| 9 Isobutanol | 2.133 | 2.140 | -0.007 | 9519 | 2000.00 | 1930 |
| 10 n-Butanol(1-Butanol) | 2.411 | 2.417 | -0.006 | 10738 | 2000.00 | 1890 |
| 8 2-Butanol | 2.755 | 2.760 | -0.005 | 10228 | 2000.00 | 1870 |
| $ 11 1-Pentanol (sur) | 3.777 | 3.780 | -0.003 | 10754 | 2000.00 | 1780(M) |

QC Flag Legend

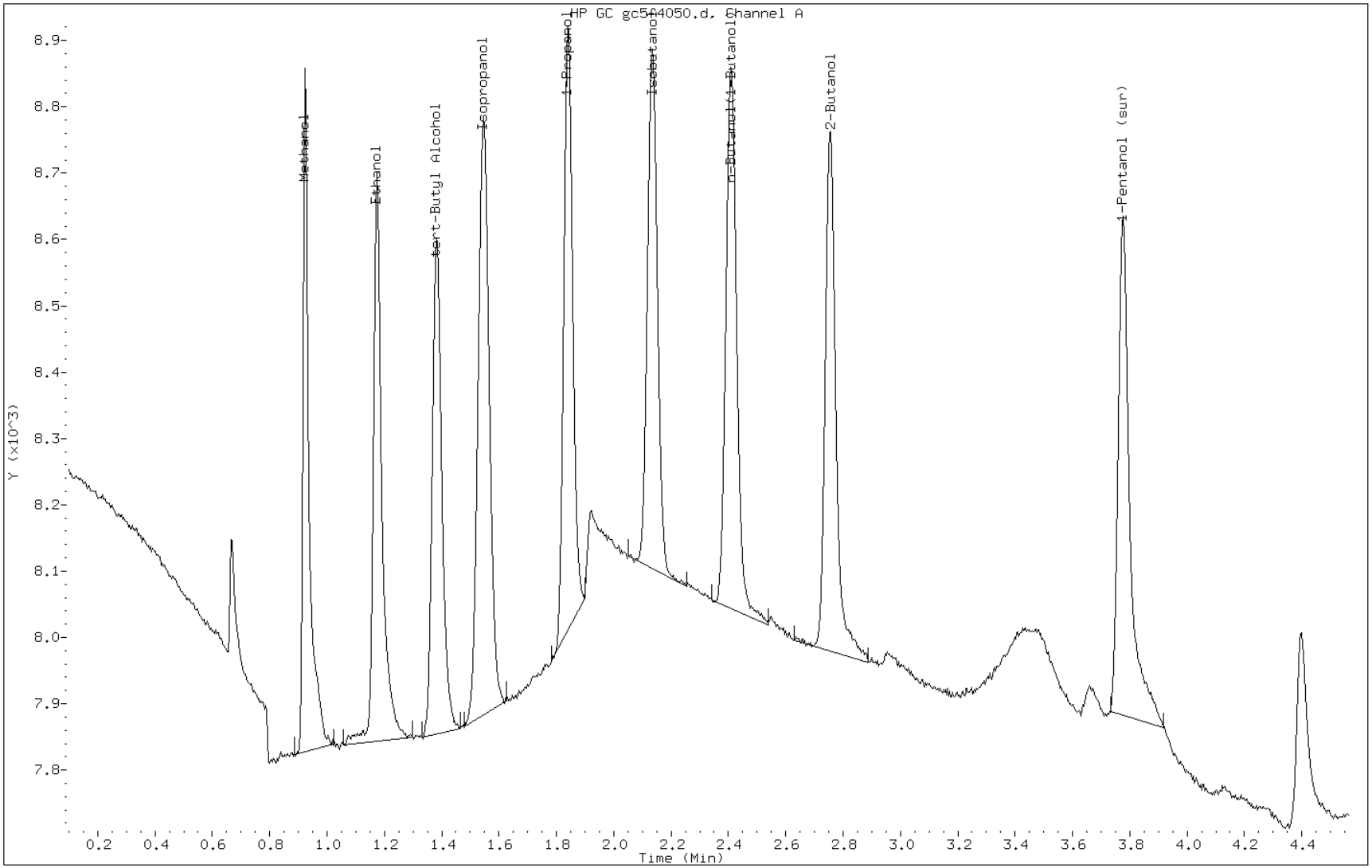
M - Compound response manually integrated.

Data File: gc5f4050.d

Date: 16-SEP-2009 15:44

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL2_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.55

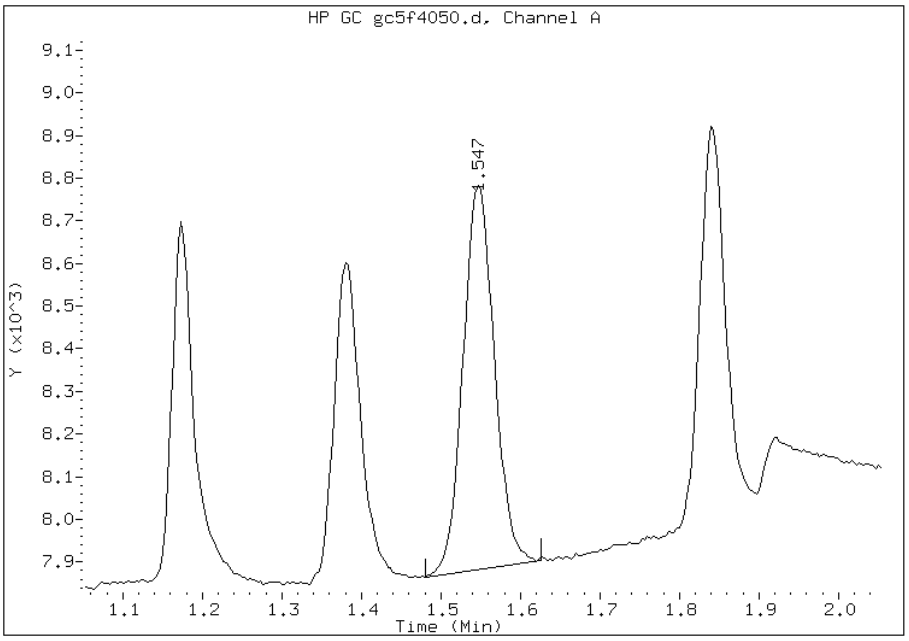
## Manual Integration Results

RT: 1.55

Response: 12326

Amount: 2044.04

Conc: 2044.04




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.85

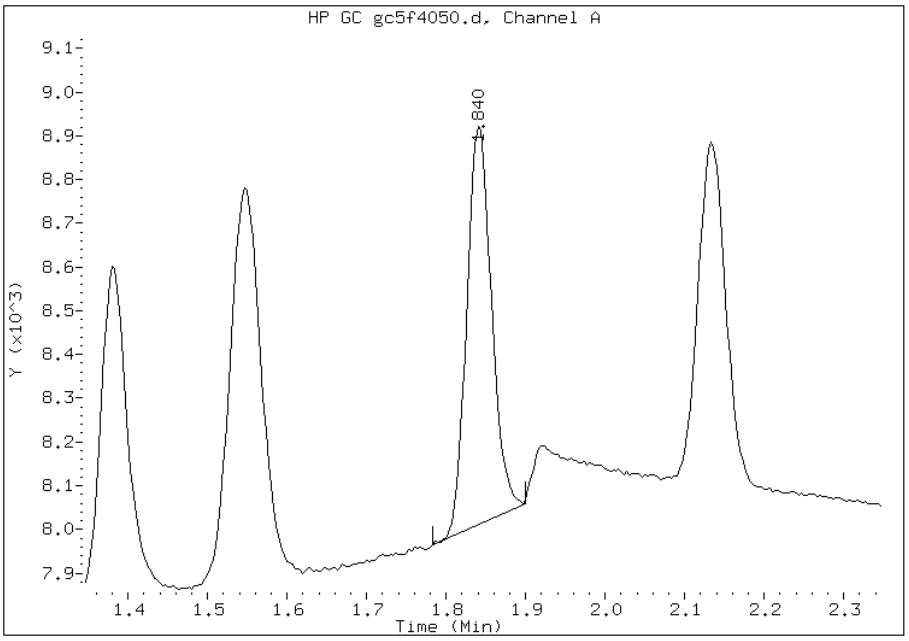
## Manual Integration Results

RT: 1.84

Response: 9872

Amount: 2033.08

Conc: 2033.08




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.18

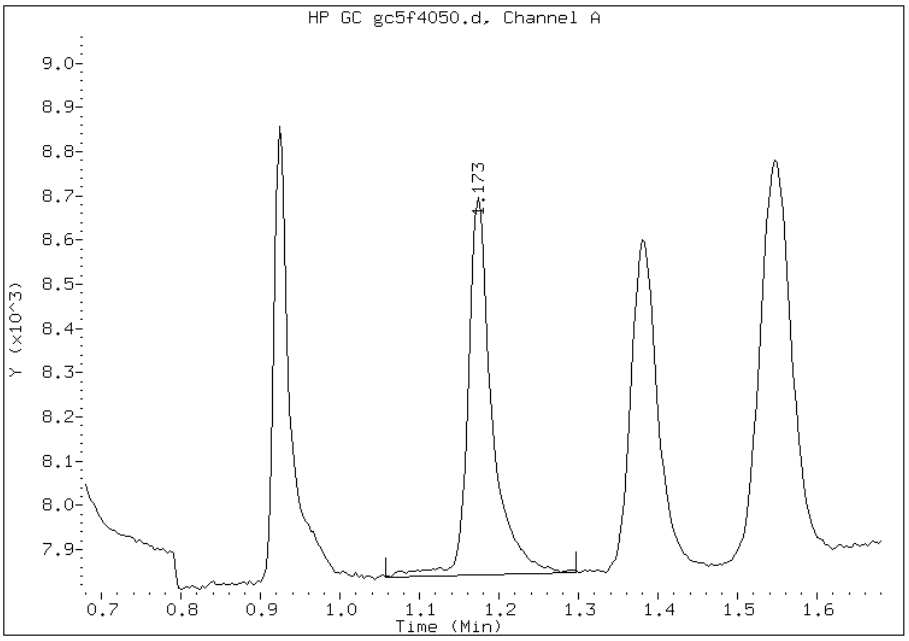
## Manual Integration Results

RT: 1.17

Response: 8986

Amount: 2322.95

Conc: 2322.95




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 0.93

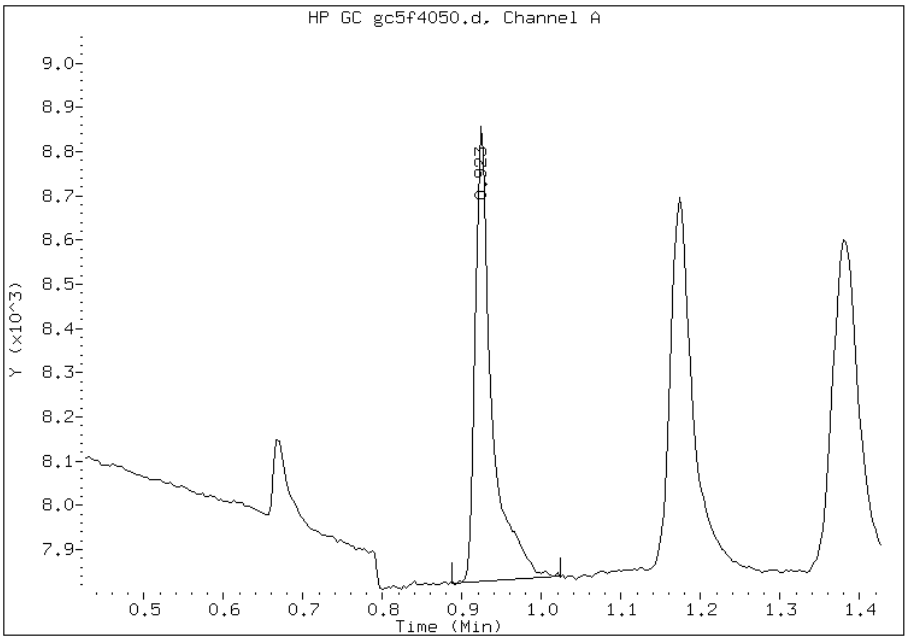
## Manual Integration Results

RT: 0.92

Response: 7542

Amount: 2130.71

Conc: 2130.71




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

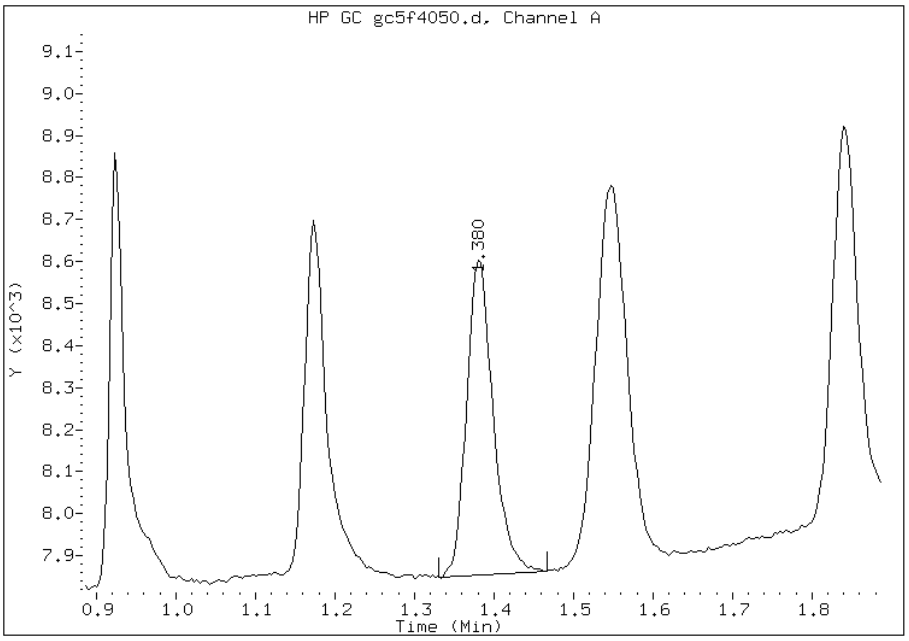
## Manual Integration Results

RT: 1.38

Response: 8720

Amount: 2163.27

Conc: 2163.27




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/17/2009

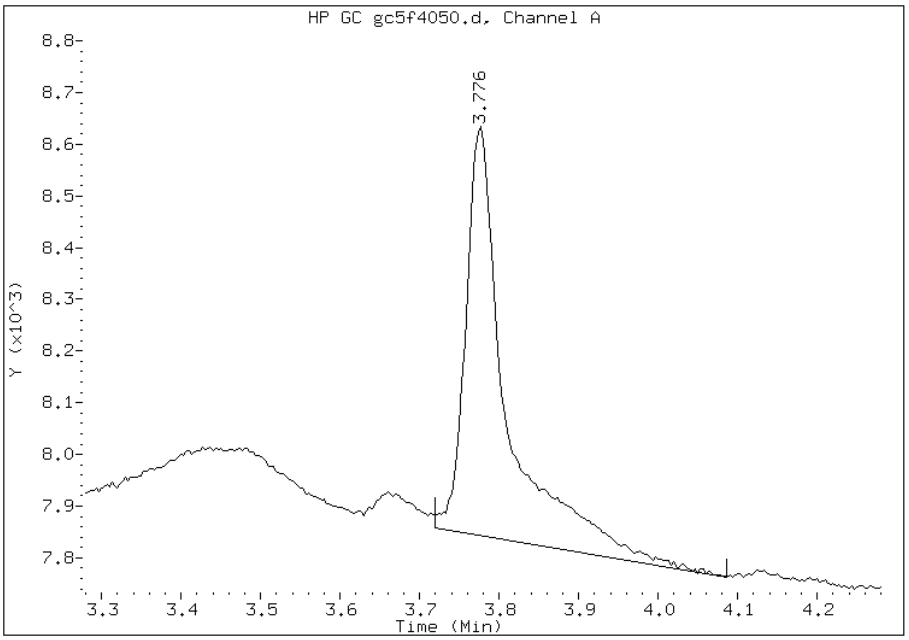
## Processing Integration Results

RT: 3.78

Response: 14192

Amount: 2406.66

Conc: 2406.66



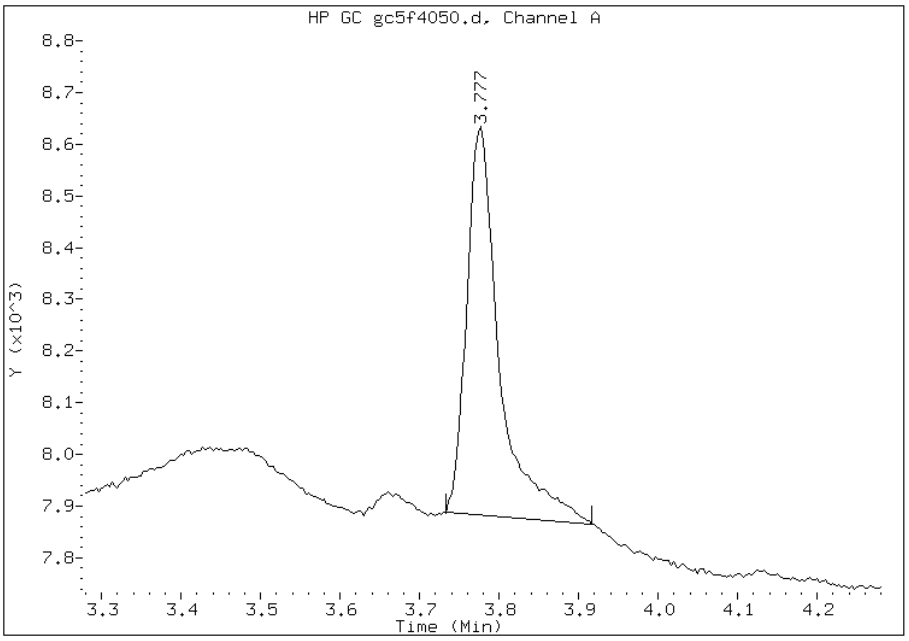

## Manual Integration Results

RT: 3.78

Response: 10754

Amount: 1781.59

Conc: 1781.59




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4051.d
Report Date: 17-Sep-2009 08:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/gc5f4051.d
Lab Smp Id: SGALCL1_00002
Inj Date : 16-SEP-2009 15:51
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL1_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 08:10 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.927 | 0.927 | 0.000 | 1532 | 500.000 | 433(aM) |
| 5 Ethanol | 1.177 | 1.180 | -0.003 | 1546 | 500.000 | 400(aM) |
| 4 tert-Butyl Alcohol | 1.383 | 1.387 | -0.004 | 1678 | 500.000 | 416(aM) |
| 6 Isopropanol | 1.553 | 1.553 | 0.000 | 3078 | 500.000 | 510(M) |
| 7 1-Propanol | 1.843 | 1.847 | -0.004 | 2359 | 500.000 | 486(aM) |
| 9 Isobutanol | 2.136 | 2.140 | -0.004 | 2990 | 500.000 | 606 |
| 10 n-Butanol(1-Butanol) | 2.413 | 2.417 | -0.004 | 3530 | 500.000 | 622(M) |
| 8 2-Butanol | 2.760 | 2.760 | 0.000 | 3385 | 500.000 | 620 |
| $ 11 1-Pentanol (sur) | 3.780 | 3.780 | 0.000 | 2727 | 500.000 | 506(M) |

QC Flag Legend

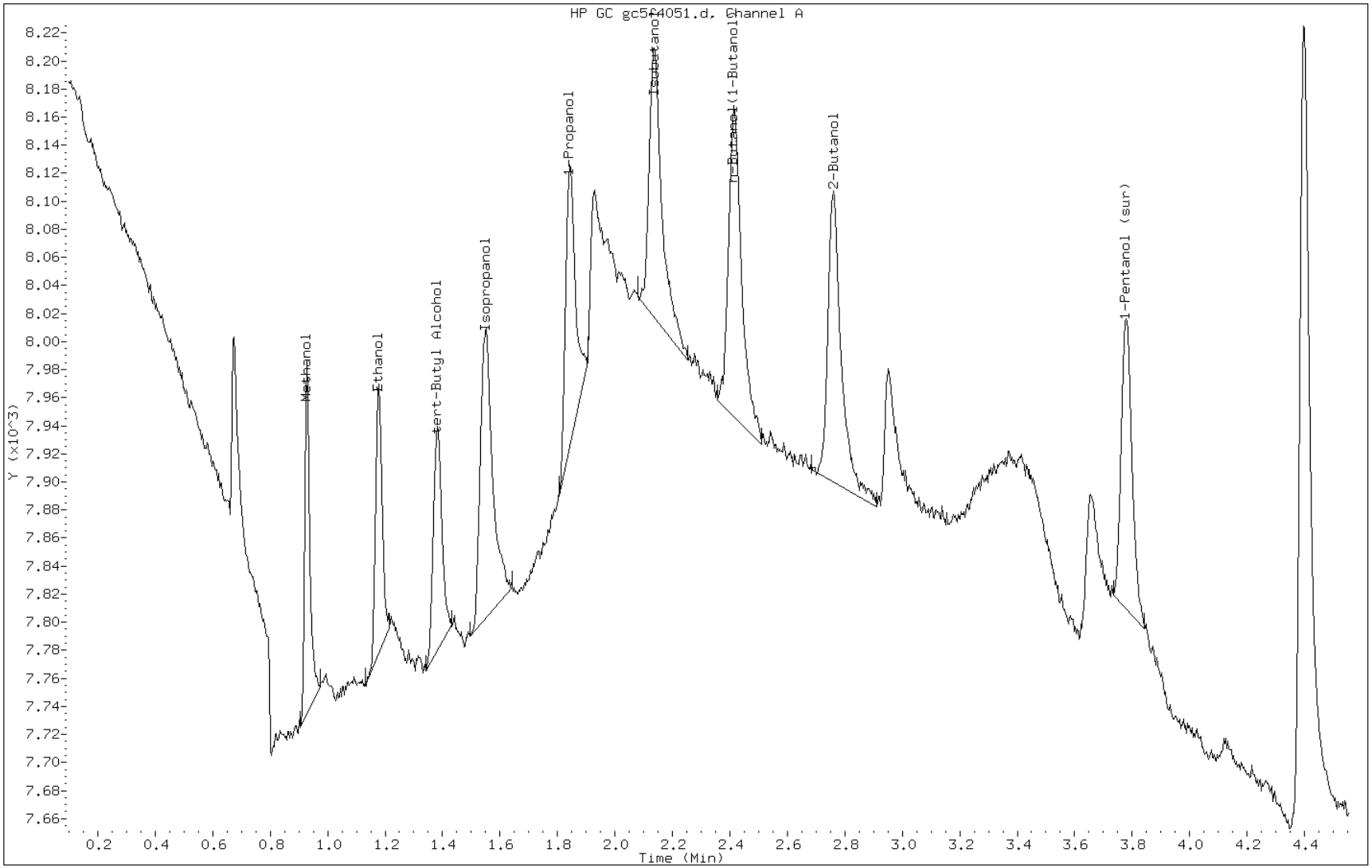
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: gc5f4051.d

Date: 16-SEP-2009 15:51

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL1_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.55

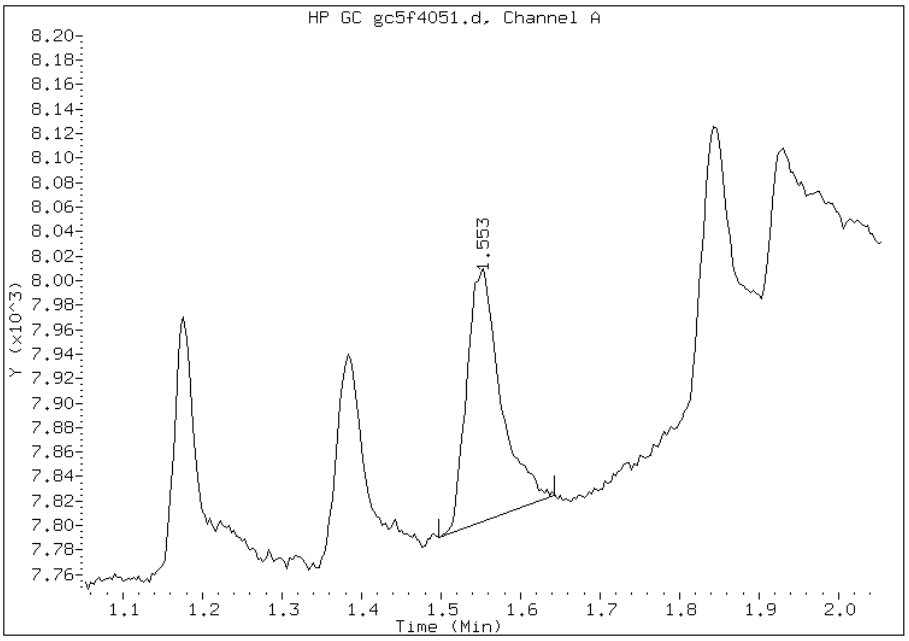
## Manual Integration Results

RT: 1.55

Response: 3078

Amount: 510.43

Conc: 510.43




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/17/2009

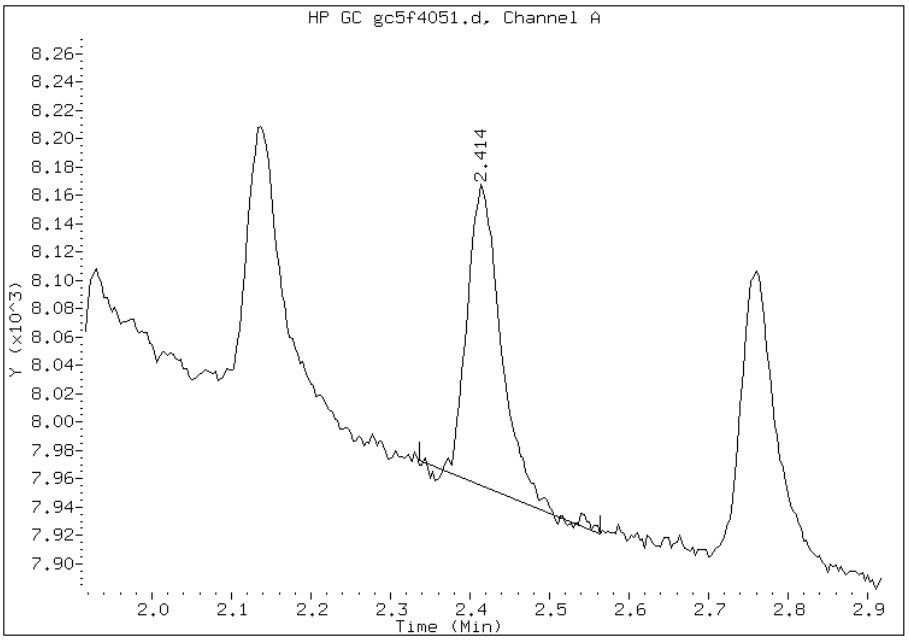
## Processing Integration Results

RT: 2.41

Response: 3167

Amount: 542.59

Conc: 542.59



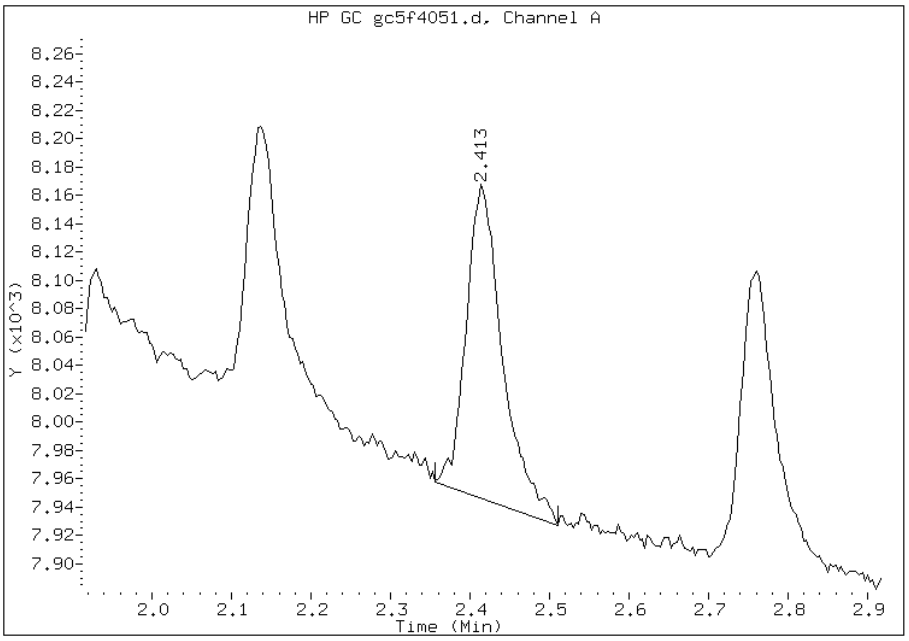

## Manual Integration Results

RT: 2.41

Response: 3530

Amount: 621.99

Conc: 621.99




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.18

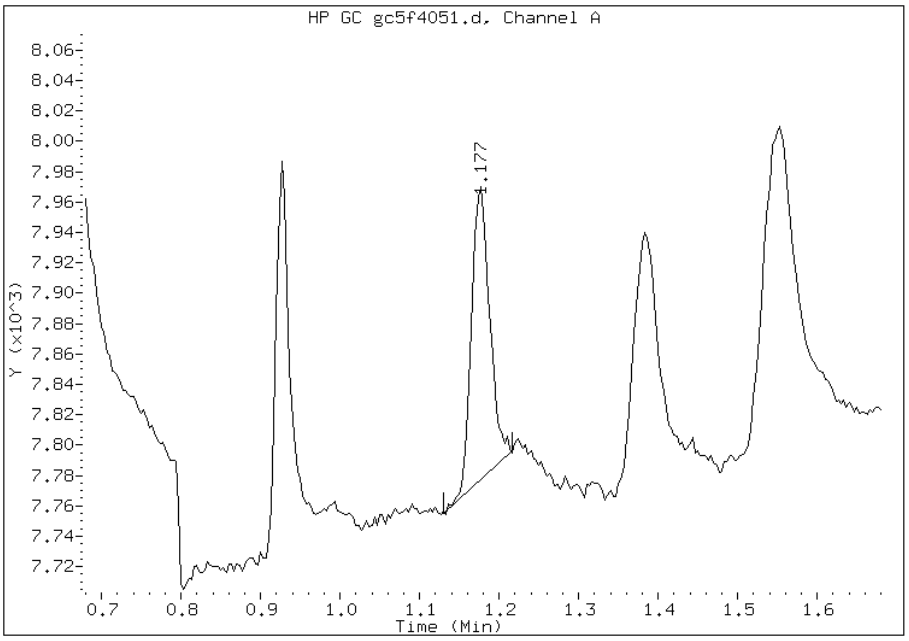
## Manual Integration Results

RT: 1.18

Response: 1546

Amount: 399.65

Conc: 399.65




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.85

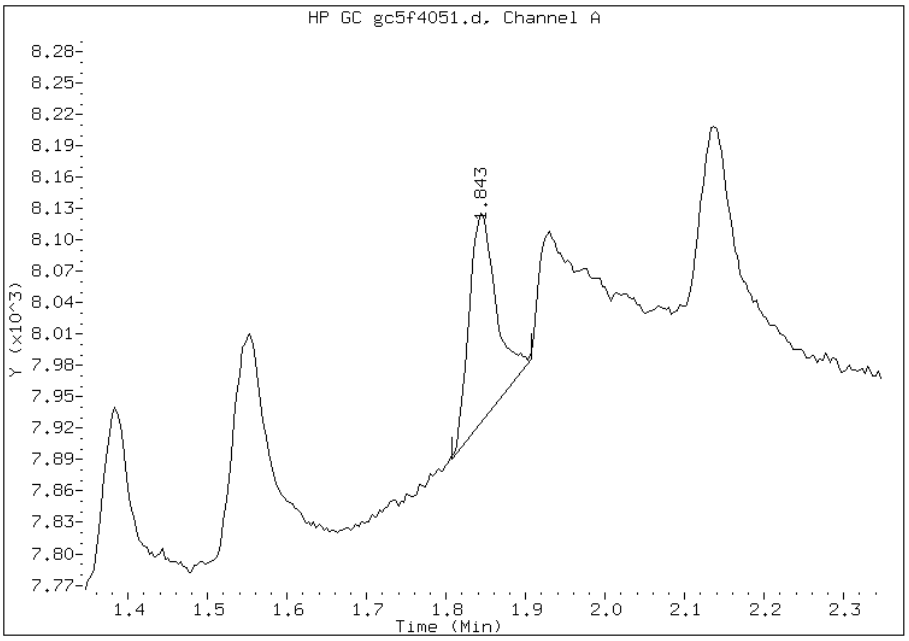
## Manual Integration Results

RT: 1.84

Response: 2359

Amount: 485.82

Conc: 485.82




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

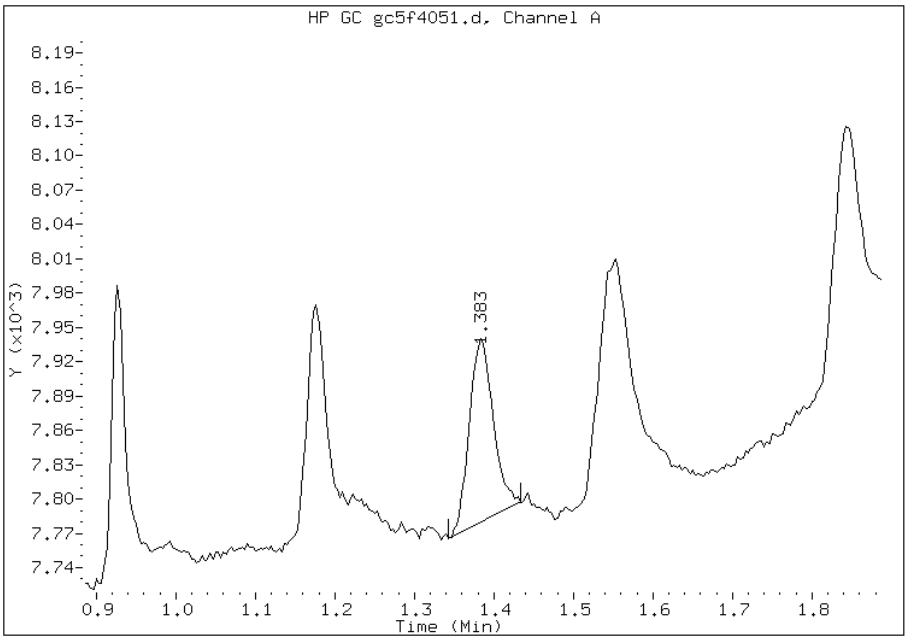
## Manual Integration Results

RT:  1.38

Response: 1678

Amount:  416.28

Conc:  416.28




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/17/2009

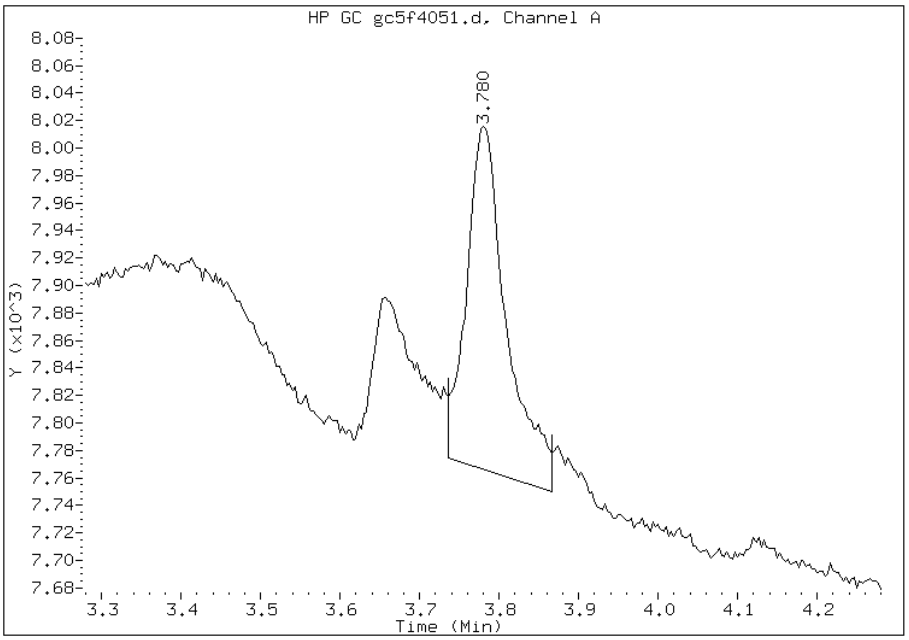
## Processing Integration Results

RT: 3.78

Response: 4333

Amount: 671.70

Conc: 671.70



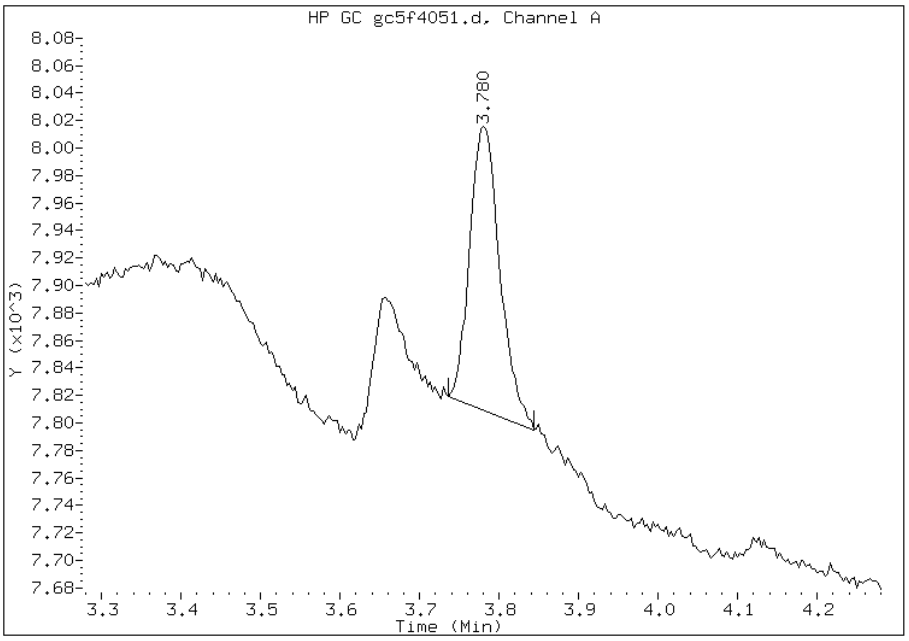

## Manual Integration Results

RT: 3.78

Response: 2727

Amount: 505.58

Conc: 505.58




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 0.93

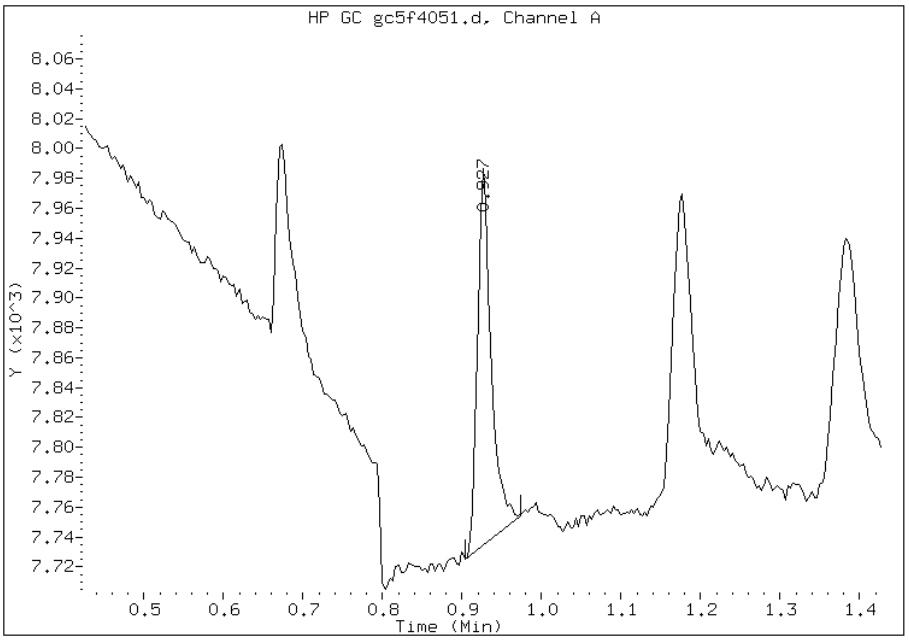
## Manual Integration Results

RT: 0.93

Response: 1532

Amount: 432.81

Conc: 432.81




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVRT 460-17223/3 Calibration Date: 09/17/2009 07:53

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4054.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.540 | 3.820 | | 5400 | 5000 | 7.9 | 15.0 |
| Ethanol | Ave | 3.868 | 4.055 | | 5240 | 5000 | 4.8 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.031 | 4.245 | | 5270 | 5000 | 5.3 | 15.0 |
| Isopropyl alcohol | Ave | 6.030 | 6.089 | | 5050 | 5000 | 1.0 | 15.0 |
| Propanol | Ave | 4.856 | 4.763 | | 4900 | 5000 | -1.9 | 15.0 |
| Isobutyl alcohol | Ave | 4.933 | 4.824 | | 4890 | 5000 | -2.2 | 15.0 |
| n-Butanol | Ave | 5.675 | 5.435 | | 4790 | 5000 | -4.2 | 15.0 |
| sec-Butyl Alcohol | Ave | 5.458 | 5.130 | | 4700 | 5000 | -6.0 | 15.0 |
| 1-Pentanol | Ave | 5.394 | 5.260 | | 4880 | 5000 | -2.5 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVRT 460-17223/3 Calibration Date: 09/17/2009 07:53

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4054.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.89 | 0.75 | 0.95 |
| Ethanol | 1.13 | 0.97 | 1.17 |
| 2-Methyl-2-propanol | 1.33 | 1.17 | 1.37 |
| Isopropyl alcohol | 1.49 | 1.33 | 1.53 |
| Propanol | 1.78 | 1.61 | 1.81 |
| Isobutyl alcohol | 2.07 | 1.89 | 2.09 |
| n-Butanol | 2.34 | 2.16 | 2.36 |
| sec-Butyl Alcohol | 2.69 | 2.50 | 2.70 |
| 1-Pentanol | 3.70 | 3.51 | 3.71 |

Data File: gc5f4054.d
Report Date: 17-Sep-2009 10:04

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4054.d
Lab Smp Id: CCVRT-SGALCL3_00002
Inj Date  : 17-SEP-2009 07:53
Operator  : 615                              Inst ID: BNAGC5.i
Smp Info  : CCVRT-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:04 patelhe    Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51            Cal File: gc5f4051.d
Als bottle: 1                            Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie                     Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable  Local Compound Variable

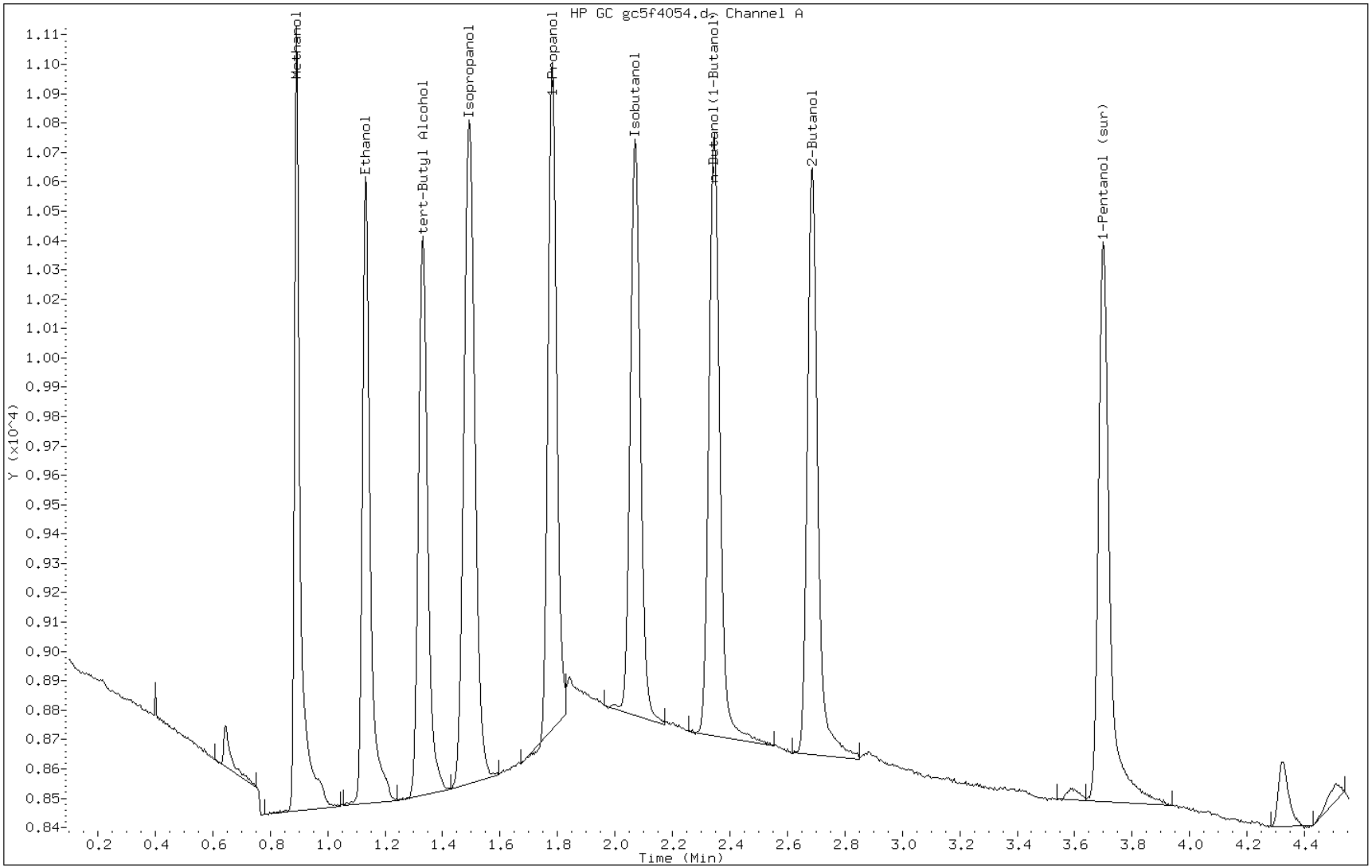
| | Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| | 3 Methanol | 0.891 | 0.891 | 0.000 | 19098 | 5000.00 | 5400 |
| | 5 Ethanol | 1.131 | 1.131 | 0.000 | 20276 | 5000.00 | 5240 |
| | 4 tert-Butyl Alcohol | 1.333 | 1.333 | 0.000 | 21227 | 5000.00 | 5270 |
| | 6 Isopropanol | 1.494 | 1.494 | 0.000 | 30443 | 5000.00 | 5050 |
| | 7 1-Propanol | 1.782 | 1.782 | 0.000 | 23817 | 5000.00 | 4900 |
| | 9 Isobutanol | 2.071 | 2.071 | 0.000 | 24118 | 5000.00 | 4890 |
| | 10 n-Butanol(1-Butanol) | 2.345 | 2.345 | 0.000 | 27175 | 5000.00 | 4790 |
| | 8 2-Butanol | 2.685 | 2.685 | 0.000 | 25649 | 5000.00 | 4700 |
| $ | 11 1-Pentanol (sur) | 3.701 | 3.701 | 0.000 | 26302 | 5000.00 | 4880 |

Data File: gc5f4054.d

Date: 17-SEP-2009 07:53

Client ID: Instrument: BNAGC5.i

Sample Info: CCVRT-SGALCL3_00002 Operator: 615



FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCV 460-17223/16 Calibration Date: 09/17/2009 09:14

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4067.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.540 | 3.854 | | 5440 | 5000 | 8.9 | 15.0 |
| Ethanol | Ave | 3.868 | 4.132 | | 5340 | 5000 | 6.8 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.031 | 4.316 | | 5350 | 5000 | 7.1 | 15.0 |
| Isopropyl alcohol | Ave | 6.030 | 6.170 | | 5120 | 5000 | 2.3 | 15.0 |
| Propanol | Ave | 4.856 | 5.026 | | 5180 | 5000 | 3.5 | 15.0 |
| Isobutyl alcohol | Ave | 4.933 | 4.836 | | 4900 | 5000 | -2.0 | 15.0 |
| n-Butanol | Ave | 5.675 | 5.564 | | 4900 | 5000 | -2.0 | 15.0 |
| sec-Butyl Alcohol | Ave | 5.458 | 5.209 | | 4770 | 5000 | -4.6 | 15.0 |
| 1-Pentanol | Ave | 5.394 | 5.556 | | 5150 | 5000 | 3.0 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVRT 460-17229/1 Calibration Date: 09/17/2009 09:14

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4067.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.540 | 3.854 | | 5440 | 5000 | 8.9 | 15.0 |
| Ethanol | Ave | 3.868 | 4.132 | | 5340 | 5000 | 6.8 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.031 | 4.316 | | 5350 | 5000 | 7.1 | 15.0 |
| Isopropyl alcohol | Ave | 6.030 | 6.170 | | 5120 | 5000 | 2.3 | 15.0 |
| Propanol | Ave | 4.856 | 5.026 | | 5180 | 5000 | 3.5 | 15.0 |
| Isobutyl alcohol | Ave | 4.933 | 4.836 | | 4900 | 5000 | -2.0 | 15.0 |
| n-Butanol | Ave | 5.675 | 5.564 | | 4900 | 5000 | -2.0 | 15.0 |
| sec-Butyl Alcohol | Ave | 5.458 | 5.209 | | 4770 | 5000 | -4.6 | 15.0 |
| 1-Pentanol | Ave | 5.394 | 5.556 | | 5150 | 5000 | 3.0 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCV 460-17223/16 Calibration Date: 09/17/2009 09:14

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4067.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.85 | 0.75 | 0.95 |
| Ethanol | 1.07 | 0.97 | 1.17 |
| 2-Methyl-2-propanol | 1.27 | 1.17 | 1.37 |
| Isopropyl alcohol | 1.43 | 1.33 | 1.53 |
| Propanol | 1.71 | 1.61 | 1.81 |
| Isobutyl alcohol | 1.99 | 1.89 | 2.09 |
| n-Butanol | 2.26 | 2.16 | 2.36 |
| sec-Butyl Alcohol | 2.60 | 2.50 | 2.70 |
| 1-Pentanol | 3.61 | 3.51 | 3.71 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCVRT 460-17229/1 Calibration Date: 09/17/2009 09:14

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4067.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.85 | 0.74 | 0.94 |
| Ethanol | 1.07 | 0.97 | 1.17 |
| 2-Methyl-2-propanol | 1.27 | 1.17 | 1.37 |
| Isopropyl alcohol | 1.43 | 1.32 | 1.52 |
| Propanol | 1.71 | 1.61 | 1.81 |
| Isobutyl alcohol | 1.99 | 1.89 | 2.09 |
| n-Butanol | 2.26 | 2.16 | 2.36 |
| sec-Butyl Alcohol | 2.60 | 2.50 | 2.70 |
| 1-Pentanol | 3.61 | 3.52 | 3.72 |

Data File: gc5f4067.d
Report Date: 17-Sep-2009 10:41

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4067.d
Lab Smp Id: CCV-SGALCL3_00002
Inj Date  : 17-SEP-2009 09:14
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCV-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:41 patelhe Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| | Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 3 | Methanol | 0.846 | 0.846 | 0.000 | 19270 | 5000.00 | 5440 |
| 5 | Ethanol | 1.075 | 1.075 | 0.000 | 20662 | 5000.00 | 5340 |
| 4 | tert-Butyl Alcohol | 1.270 | 1.270 | 0.000 | 21581 | 5000.00 | 5350 |
| 6 | Isopropanol | 1.428 | 1.428 | 0.000 | 30851 | 5000.00 | 5120 |
| 7 | 1-Propanol | 1.710 | 1.710 | 0.000 | 25129 | 5000.00 | 5180(M) |
| 9 | Isobutanol | 1.994 | 1.994 | 0.000 | 24182 | 5000.00 | 4900 |
| 10 | n-Butanol(1-Butanol) | 2.265 | 2.265 | 0.000 | 27821 | 5000.00 | 4900 |
| 8 | 2-Butanol | 2.603 | 2.603 | 0.000 | 26047 | 5000.00 | 4770 |
| $ 11 | 1-Pentanol (sur) | 3.614 | 3.614 | 0.000 | 27781 | 5000.00 | 5150 |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4067.d
Report Date: 17-Sep-2009 11:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/gc5f4067.d
Lab Smp Id: CCVRT-SGALCL3_00002
Inj Date  : 17-SEP-2009 09:14
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCVRT-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/alcohols2008.m
Meth Date : 17-Sep-2009 11:15 patelhe Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.846 | 0.846 | 0.000 | 19270 | 5000.00 | 5440 |
| 5 Ethanol | 1.075 | 1.075 | 0.000 | 20662 | 5000.00 | 5340 |
| 4 tert-Butyl Alcohol | 1.270 | 1.270 | 0.000 | 21581 | 5000.00 | 5350 |
| 6 Isopropanol | 1.428 | 1.428 | 0.000 | 30851 | 5000.00 | 5120 |
| 7 1-Propanol | 1.710 | 1.710 | 0.000 | 25129 | 5000.00 | 5180(M) |
| 9 Isobutanol | 1.994 | 1.994 | 0.000 | 24182 | 5000.00 | 4900 |
| 10 n-Butanol(1-Butanol) | 2.265 | 2.265 | 0.000 | 27821 | 5000.00 | 4900 |
| 8 2-Butanol | 2.603 | 2.603 | 0.000 | 26047 | 5000.00 | 4770 |
| $ 11 1-Pentanol (sur) | 3.614 | 3.614 | 0.000 | 27781 | 5000.00 | 5150 |

QC Flag Legend

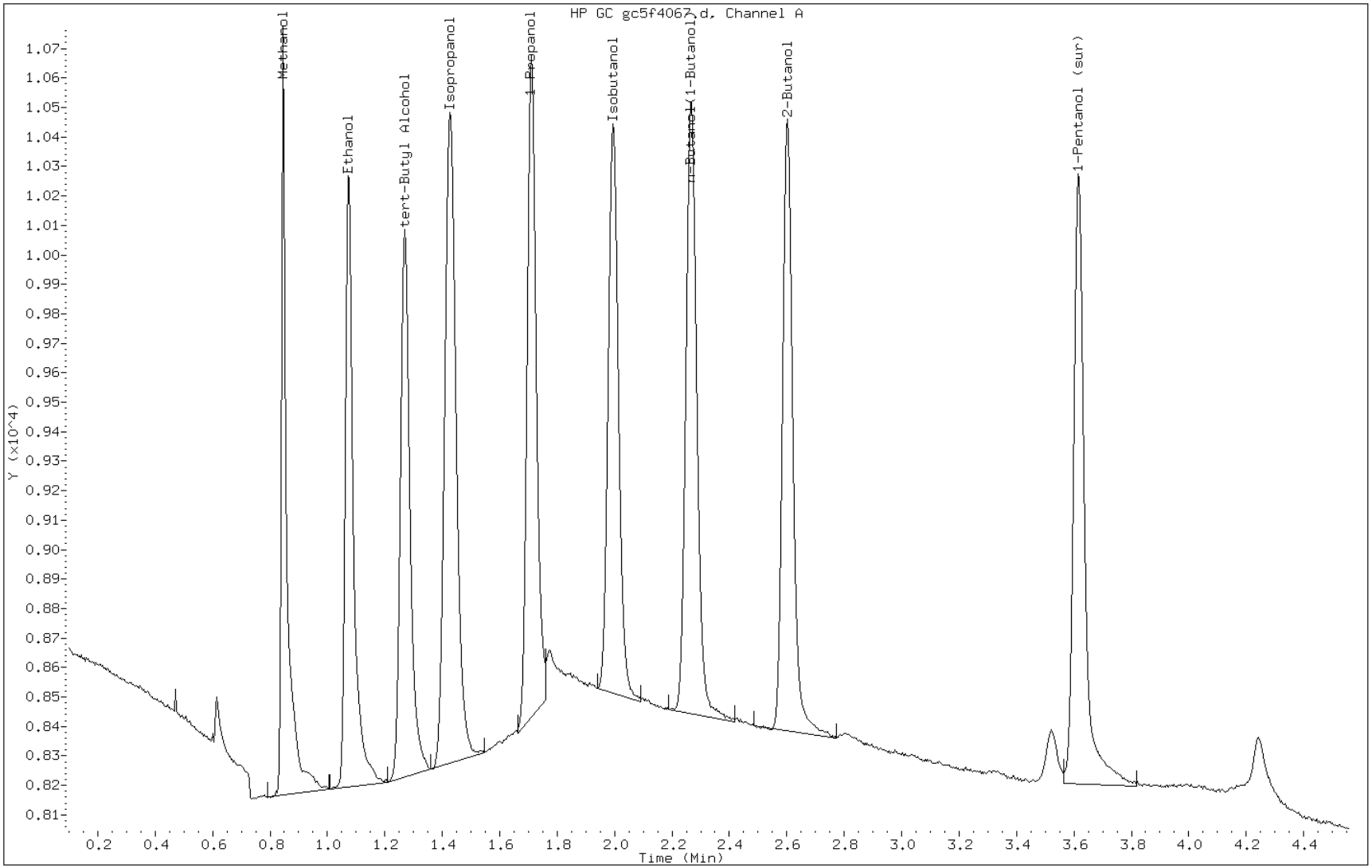
M - Compound response manually integrated.

Data File: gc5f4067.d

Date: 17-SEP-2009 09:14

Client ID: Instrument: BNAGC5.i

Sample Info: CCV-SGALCL3_00002 Operator: 615

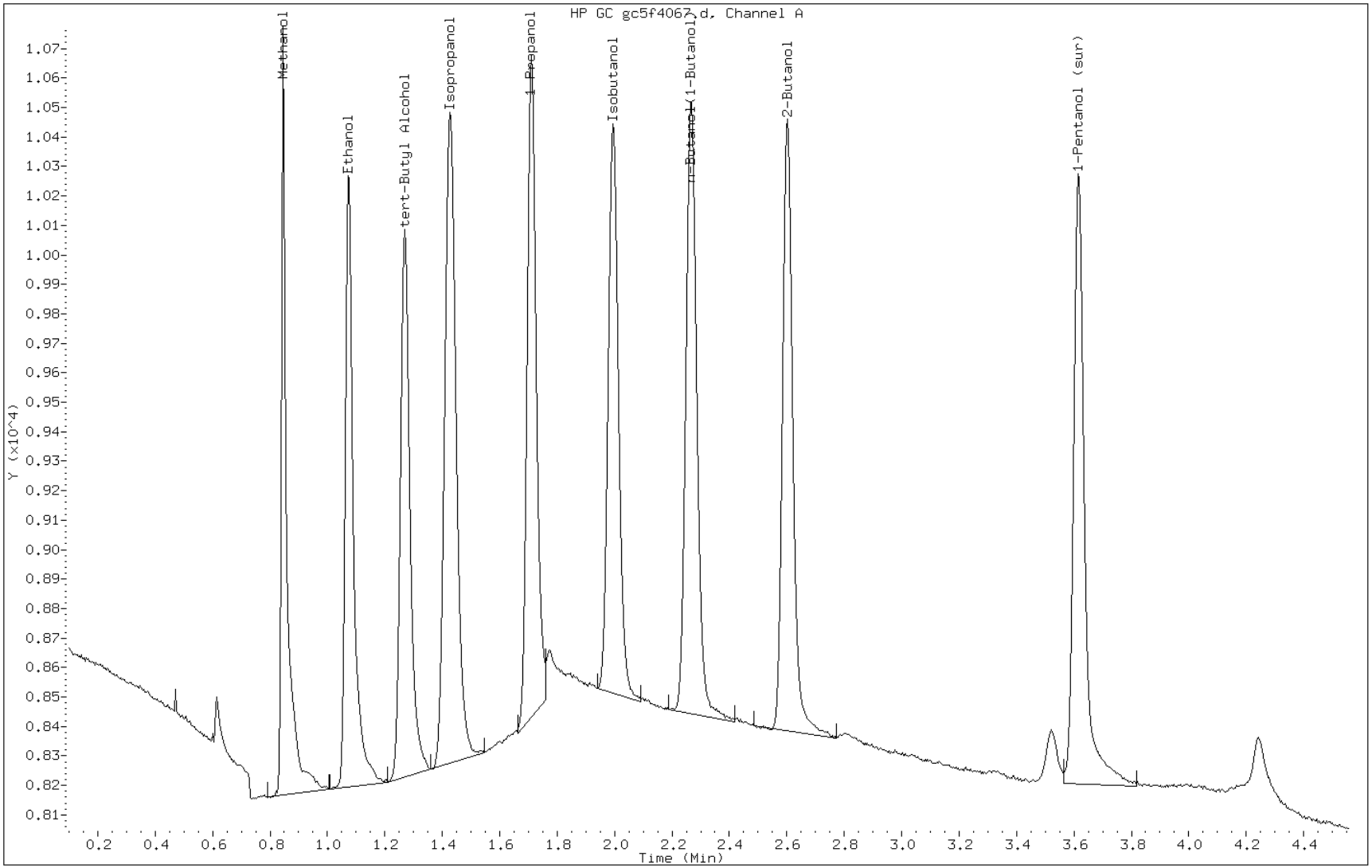


Data File: gc5f4067.d

Date: 17-SEP-2009 09:14

Client ID: Instrument: BNAGC5.i

Sample Info: CCVRT-SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4067.d
Inj. Date and Time: 17-SEP-2009 09:14
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.71

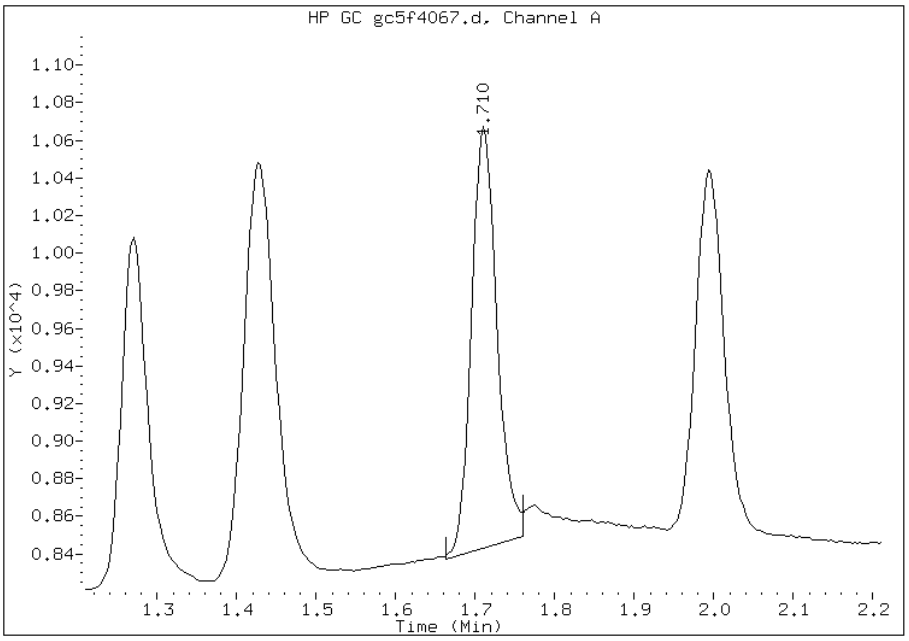
## Manual Integration Results

RT: 1.71

Response: 25129

Amount: 5175.16

Conc: 5175.16




Manually Integrated By: patelhe
Manual Integration Reason:

# Manual Integration Report

Data File: gc5f4067.d
Inj. Date and Time: 17-SEP-2009 09:14
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.71

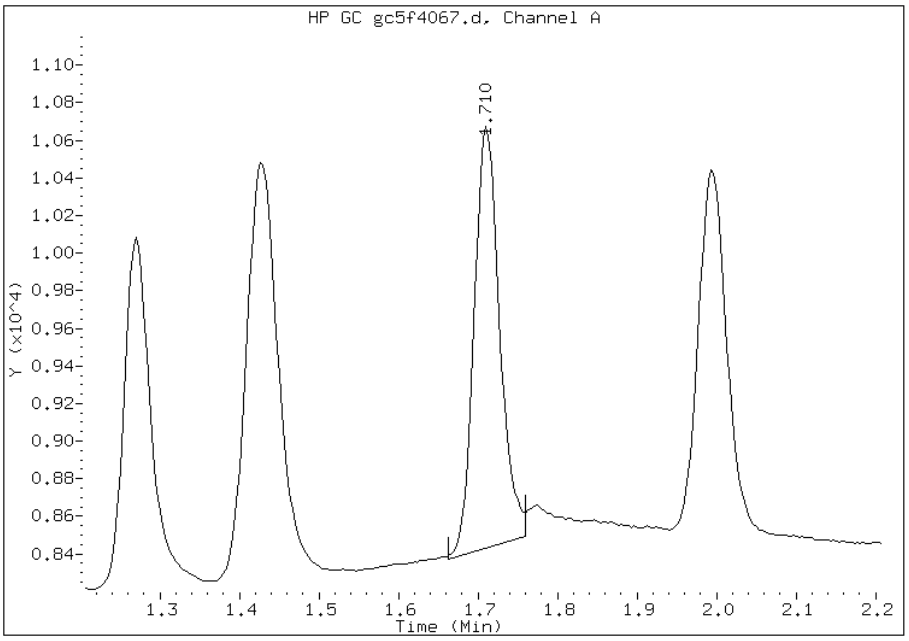
## Manual Integration Results

RT: 1.71

Response: 25129

Amount: 5175.16

Conc: 5175.16




Manually Integrated By: patelhe
Manual Integration Reason:

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCV 460-17229/8 Calibration Date: 09/17/2009 09:58

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4074.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.540 | 3.604 | | 5090 | 5000 | 1.8 | 15.0 |
| Ethanol | Ave | 3.868 | 3.886 | | 5020 | 5000 | 0.5 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.031 | 4.139 | | 5130 | 5000 | 2.7 | 15.0 |
| Isopropyl alcohol | Ave | 6.030 | 6.040 | | 5010 | 5000 | 0.2 | 15.0 |
| Propanol | Ave | 4.856 | 5.059 | | 5210 | 5000 | 4.2 | 15.0 |
| Isobutyl alcohol | Ave | 4.933 | 4.900 | | 4970 | 5000 | -0.7 | 15.0 |
| n-Butanol | Ave | 5.675 | 5.584 | | 4920 | 5000 | -1.6 | 15.0 |
| sec-Butyl Alcohol | Ave | 5.458 | 5.243 | | 4800 | 5000 | -3.9 | 15.0 |
| 1-Pentanol | Ave | 5.394 | 5.502 | | 5100 | 5000 | 2.0 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Lab Sample ID: CCV 460-17229/8 Calibration Date: 09/17/2009 09:58

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4074.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.84 | 0.74 | 0.94 |
| Ethanol | 1.07 | 0.97 | 1.17 |
| 2-Methyl-2-propanol | 1.27 | 1.17 | 1.37 |
| Isopropyl alcohol | 1.42 | 1.32 | 1.52 |
| Propanol | 1.71 | 1.61 | 1.81 |
| Isobutyl alcohol | 1.99 | 1.89 | 2.09 |
| n-Butanol | 2.26 | 2.16 | 2.36 |
| sec-Butyl Alcohol | 2.60 | 2.50 | 2.70 |
| 1-Pentanol | 3.62 | 3.52 | 3.72 |

Data File: gc5f4074.d
Report Date: 17-Sep-2009 11:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/gc5f4074.d
Lab Smp Id: CCV-SGALCL3_00002
Inj Date  : 17-SEP-2009 09:58
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCV-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b/alcohols2008.m
Meth Date : 17-Sep-2009 11:15 patelhe Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.841 | 0.841 | 0.000 | 18019 | 5000.00 | 5090 |
| 5 Ethanol | 1.071 | 1.071 | 0.000 | 19430 | 5000.00 | 5020 |
| 4 tert-Butyl Alcohol | 1.267 | 1.267 | 0.000 | 20693 | 5000.00 | 5130 |
| 6 Isopropanol | 1.425 | 1.425 | 0.000 | 30202 | 5000.00 | 5010 |
| 7 1-Propanol | 1.707 | 1.707 | 0.000 | 25294 | 5000.00 | 5210(M) |
| 9 Isobutanol | 1.992 | 1.992 | 0.000 | 24499 | 5000.00 | 4970 |
| 10 n-Butanol(1-Butanol) | 2.264 | 2.264 | 0.000 | 27920 | 5000.00 | 4920 |
| 8 2-Butanol | 2.602 | 2.602 | 0.000 | 26217 | 5000.00 | 4800 |
| $ 11 1-Pentanol (sur) | 3.616 | 3.616 | 0.000 | 27511 | 5000.00 | 5100 |

QC Flag Legend

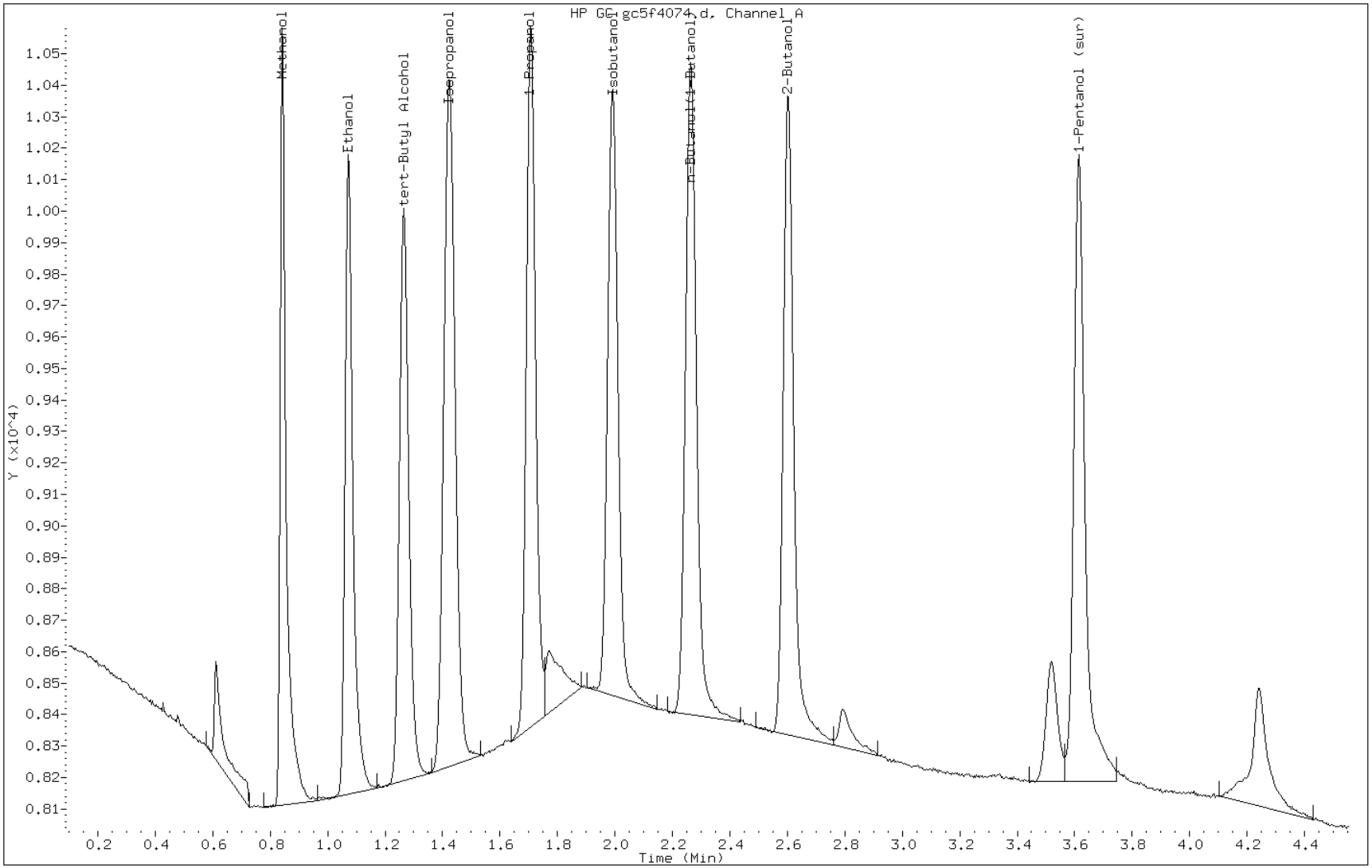
M - Compound response manually integrated.

Data File: gc5f4074.d

Date: 17-SEP-2009 09:58

Client ID: Instrument: BNAGC5.i

Sample Info: CCV-SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4074.d
Inj. Date and Time: 17-SEP-2009 09:58
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.71

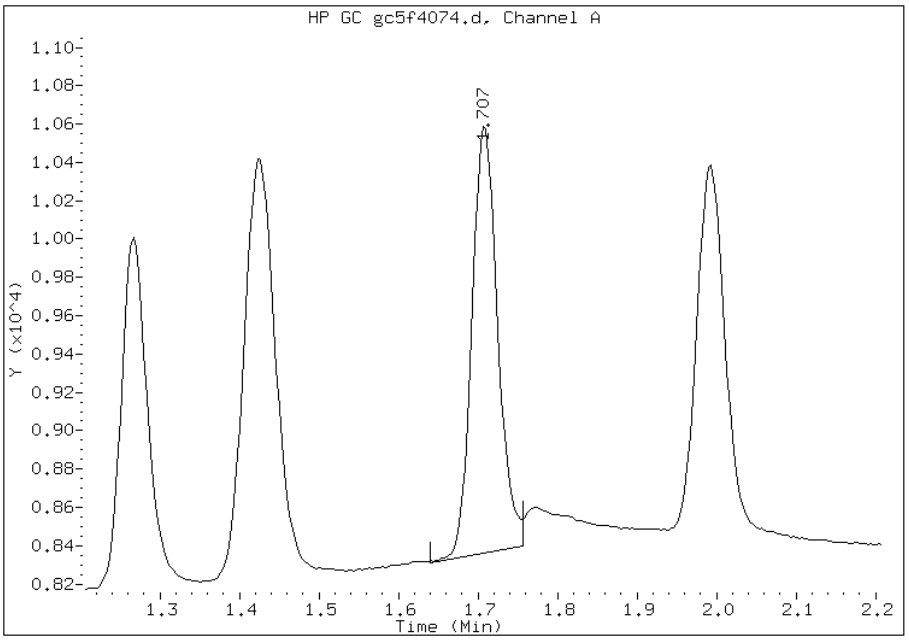
## Manual Integration Results

RT: 1.71

Response: 25294

Amount: 5209.14

Conc: 5209.14




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-17223/15

Matrix: Water Lab File ID: gc5f4066.d

Analysis Method: 8015B Date Collected:

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 09:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17223 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 89 | 52-122 | |

Data File: gc5f4066.d
Report Date: 17-Sep-2009 10:41

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4066.d
Lab Smp Id: MB
Inj Date  : 17-SEP-2009 09:08
Operator  : 615                          Inst ID: BNAGC5.i
Smp Info  : MB
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:39 patelhe    Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51            Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie                     Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable  Local Compound Variable

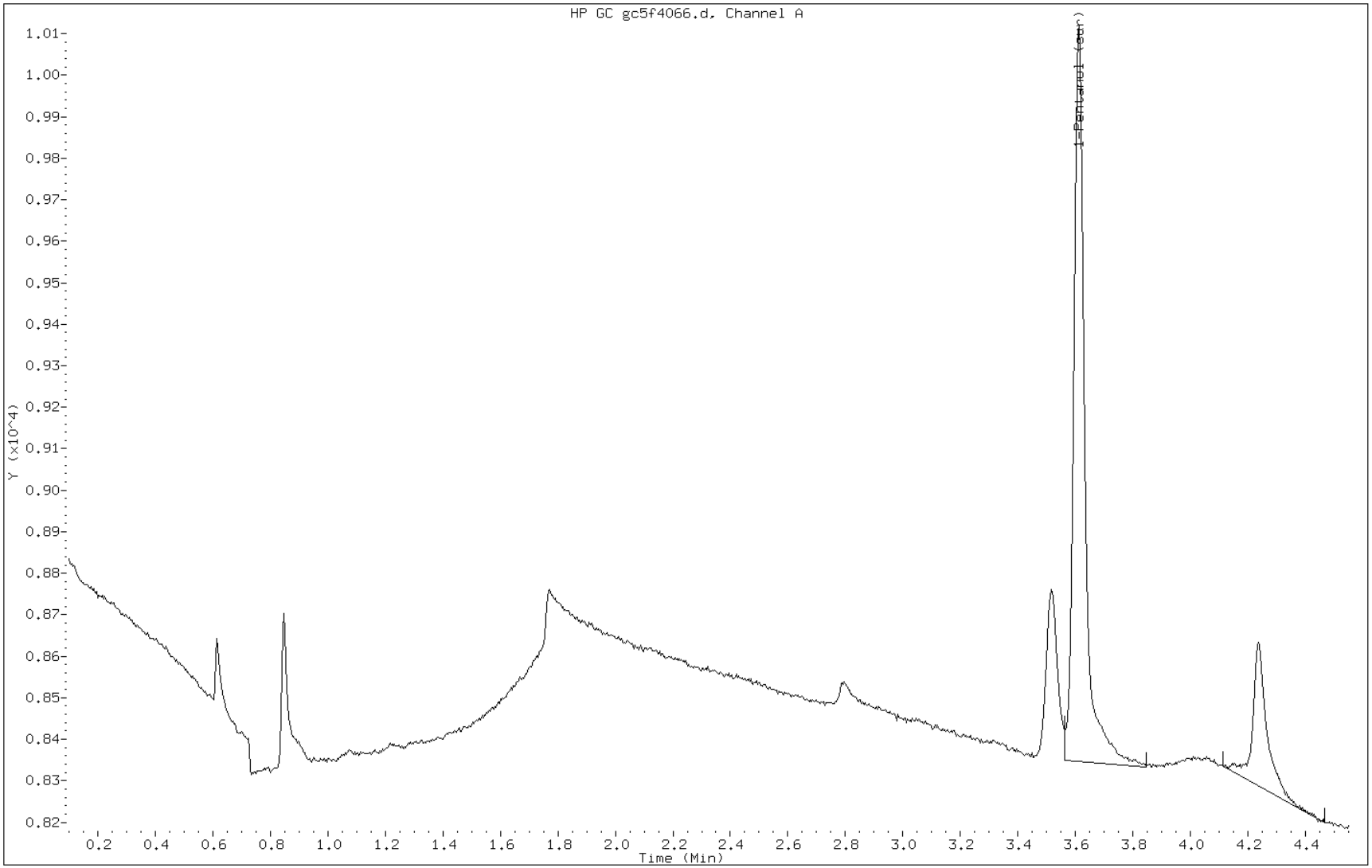
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.612 | 3.614 | -0.002 | 24057 | 4460.14 | 4460 |

Data File: gc5f4066.d

Date: 17-SEP-2009 09:08

Client ID: Instrument: BNAGC5.i

Sample Info: MB Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5722-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 460-17223/4

Matrix: Water  Lab File ID: gc5f4055.d

Analysis Method: 8015B  Date Collected:

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 07:59

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624 ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17223  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 4150 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 100 | 52-122 | |

Data File: gc5f4055.d
Report Date: 17-Sep-2009 10:04

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4055.d
Lab Smp Id: LCS
Inj Date : 17-SEP-2009 07:59
Operator : 615 Inst ID: BNAGC5.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:04 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.884 | 0.891 | -0.007 | 14696 | 4151.81 | 4150 |
| 5 Ethanol | 1.123 | 1.131 | -0.008 | 19119 | 4942.40 | 4940(M) |
| 4 tert-Butyl Alcohol | 1.323 | 1.333 | -0.010 | 19775 | 4905.81 | 4900 |
| 6 Isopropanol | 1.484 | 1.494 | -0.010 | 30503 | 5058.35 | 5060 |
| 7 1-Propanol | 1.773 | 1.782 | -0.009 | 23406 | 4820.32 | 4820(M) |
| 9 Isobutanol | 2.060 | 2.071 | -0.011 | 24250 | 4916.00 | 4920 |
| 10 n-Butanol(1-Butanol) | 2.334 | 2.345 | -0.011 | 28271 | 4981.39 | 4980 |
| 8 2-Butanol | 2.673 | 2.685 | -0.012 | 26573 | 4868.66 | 4870 |
| $ 11 1-Pentanol (sur) | 3.687 | 3.701 | -0.014 | 27100 | 5024.31 | 5020 |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4055.d

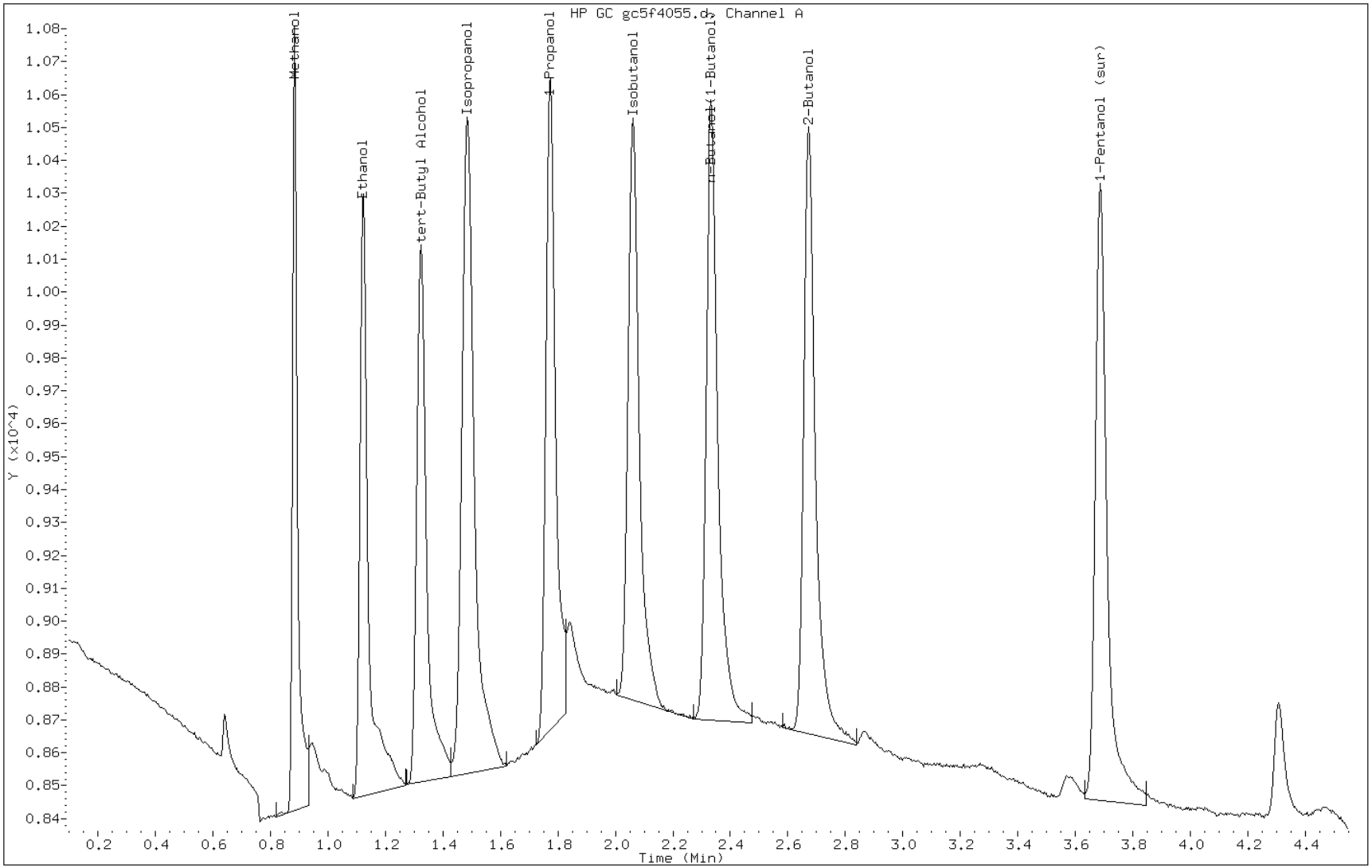
Date: 17-SEP-2009 07:59

Client ID:

Instrument: BNAGC5.i

Sample Info: LCS

Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-17223/5

Matrix: Water Lab File ID: gc5f4056.d

Analysis Method: 8015B Date Collected:

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 08:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17223 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 4950 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 105 | 52-122 | |

Data File: gc5f4056.d
Report Date: 17-Sep-2009 10:04

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4056.d
Lab Smp Id: LCSD
Inj Date  : 17-SEP-2009 08:05
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : LCSD
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:04 patelhe Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.877 | 0.891 | -0.014 | 17528 | 4951.89 | 4950(M) |
| 5 Ethanol | 1.113 | 1.131 | -0.018 | 20196 | 5220.82 | 5220(M) |
| 4 tert-Butyl Alcohol | 1.313 | 1.333 | -0.020 | 21078 | 5229.06 | 5230(M) |
| 6 Isopropanol | 1.473 | 1.494 | -0.021 | 30964 | 5134.80 | 5130(M) |
| 7 1-Propanol | 1.760 | 1.782 | -0.022 | 26998 | 5560.07 | 5560(M) |
| 9 Isobutanol | 2.050 | 2.071 | -0.021 | 24258 | 4917.62 | 4920(M) |
| 10 n-Butanol(1-Butanol) | 2.323 | 2.345 | -0.022 | 27788 | 4896.28 | 4900(M) |
| 8 2-Butanol | 2.662 | 2.685 | -0.023 | 26066 | 4775.77 | 4780 |
| $ 11 1-Pentanol (sur) | 3.676 | 3.701 | -0.025 | 28273 | 5241.78 | 5240 |

QC Flag Legend

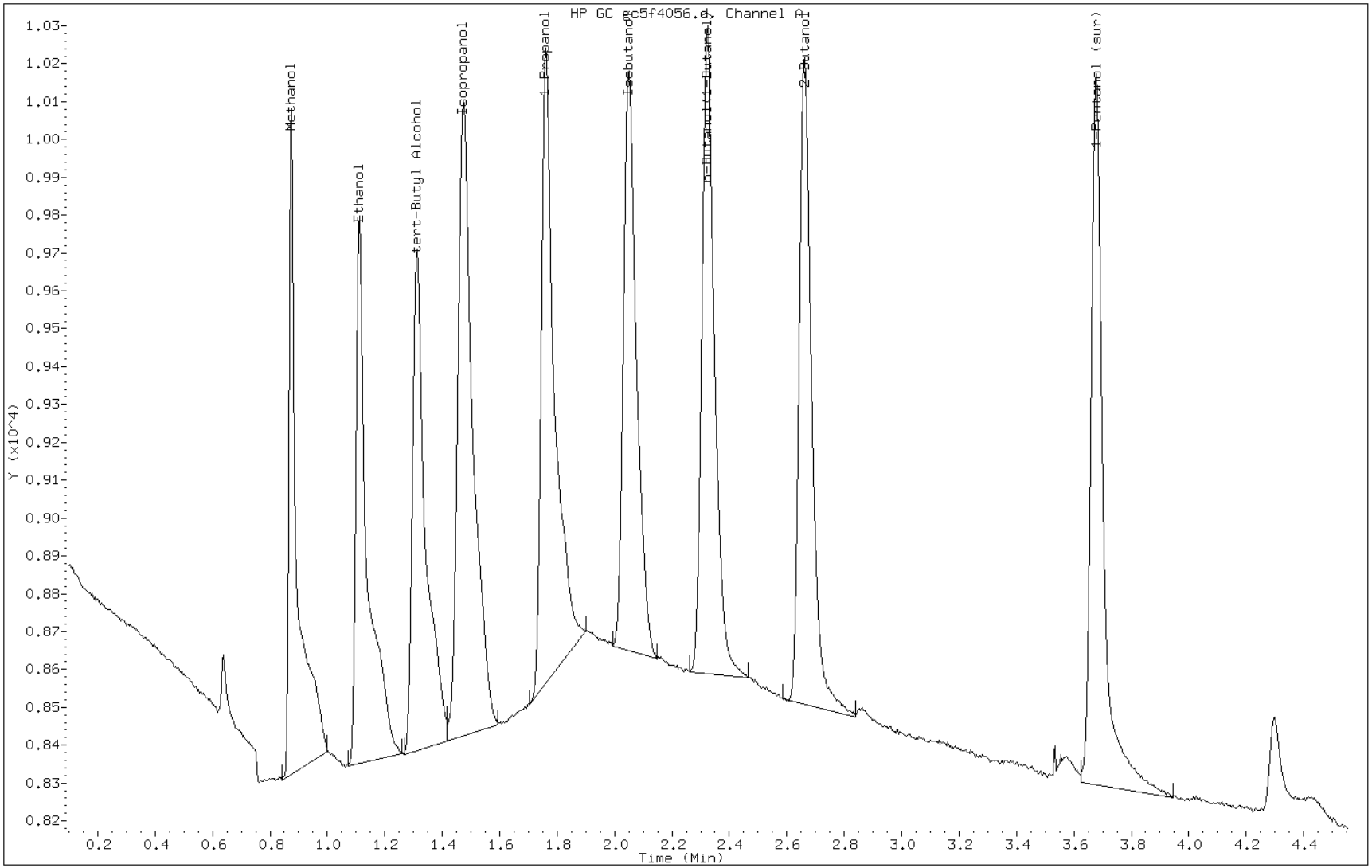
M - Compound response manually integrated.

Data File: gc5f4056.d

Date: 17-SEP-2009 08:05

Client ID: Instrument: BNAGC5.i

Sample Info: LCSD Operator: 615



# Manual Integration Report

Data File: gc5f4056.d
Inj. Date and Time: 17-SEP-2009 08:05
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 0.85

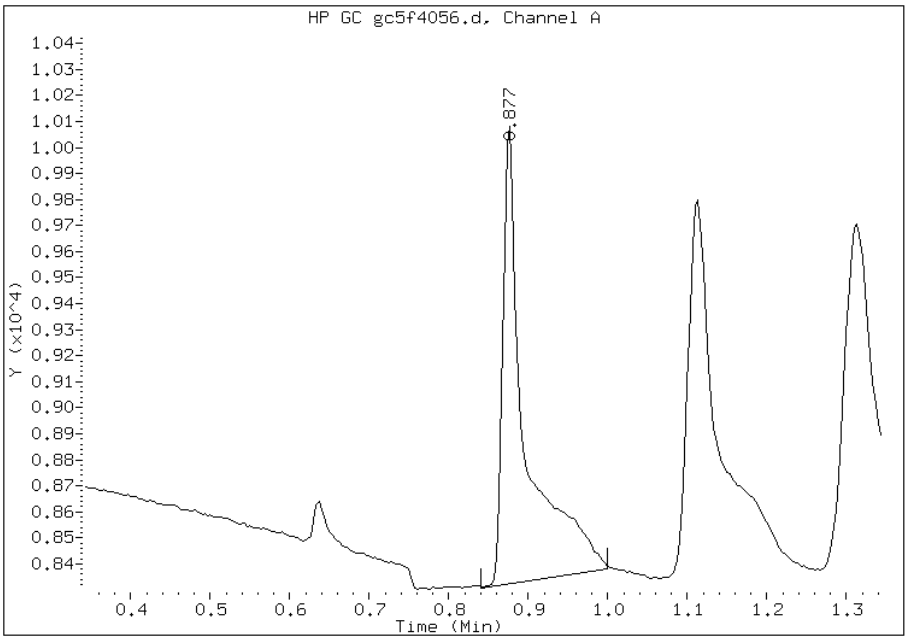
## Manual Integration Results

RT: 0.88

Response: 17528

Amount: 4951.89

Conc: 4951.89




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-02RR MS Lab Sample ID: 460-5722-3 MS

Matrix: Water Lab File ID: gc5f4057.d

Analysis Method: 8015B Date Collected: 09/15/2009 10:00

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 08:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17223 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 4380 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 94 | 52-122 | |

Data File: gc5f4057.d
Report Date: 17-Sep-2009 10:05

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4057.d
Lab Smp Id: 460-5722-A-3 MS  Client Smp ID: TW-02RR
Inj Date  : 17-SEP-2009 08:12
Operator  : 615  Inst ID: BNAGC5.i
Smp Info  : 460-5722-A-3 MS
Misc Info : 460-5722-A-3 MS
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:04 patelhe  Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51  Cal File: gc5f4051.d
Als bottle: 1  QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie  Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable  Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.876 | 0.891 | -0.015 | 15500 | 4378.95 | 4380 |
| 5 Ethanol | 1.113 | 1.131 | -0.018 | 15908 | 4112.34 | 4110 |
| 4 tert-Butyl Alcohol | 1.312 | 1.333 | -0.021 | 16576 | 4112.20 | 4110 |
| 6 Isopropanol | 1.474 | 1.494 | -0.020 | 23553 | 3905.83 | 3900 |
| 7 1-Propanol | 1.760 | 1.782 | -0.022 | 18628 | 3836.32 | 3840(M) |
| 9 Isobutanol | 2.048 | 2.071 | -0.023 | 18559 | 3762.31 | 3760 |
| 10 n-Butanol(1-Butanol) | 2.321 | 2.345 | -0.024 | 21547 | 3796.61 | 3800 |
| 8 2-Butanol | 2.660 | 2.685 | -0.025 | 19918 | 3649.34 | 3650 |
| $ 11 1-Pentanol (sur) | 3.674 | 3.701 | -0.027 | 25320 | 4694.30 | 4690 |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4057.d

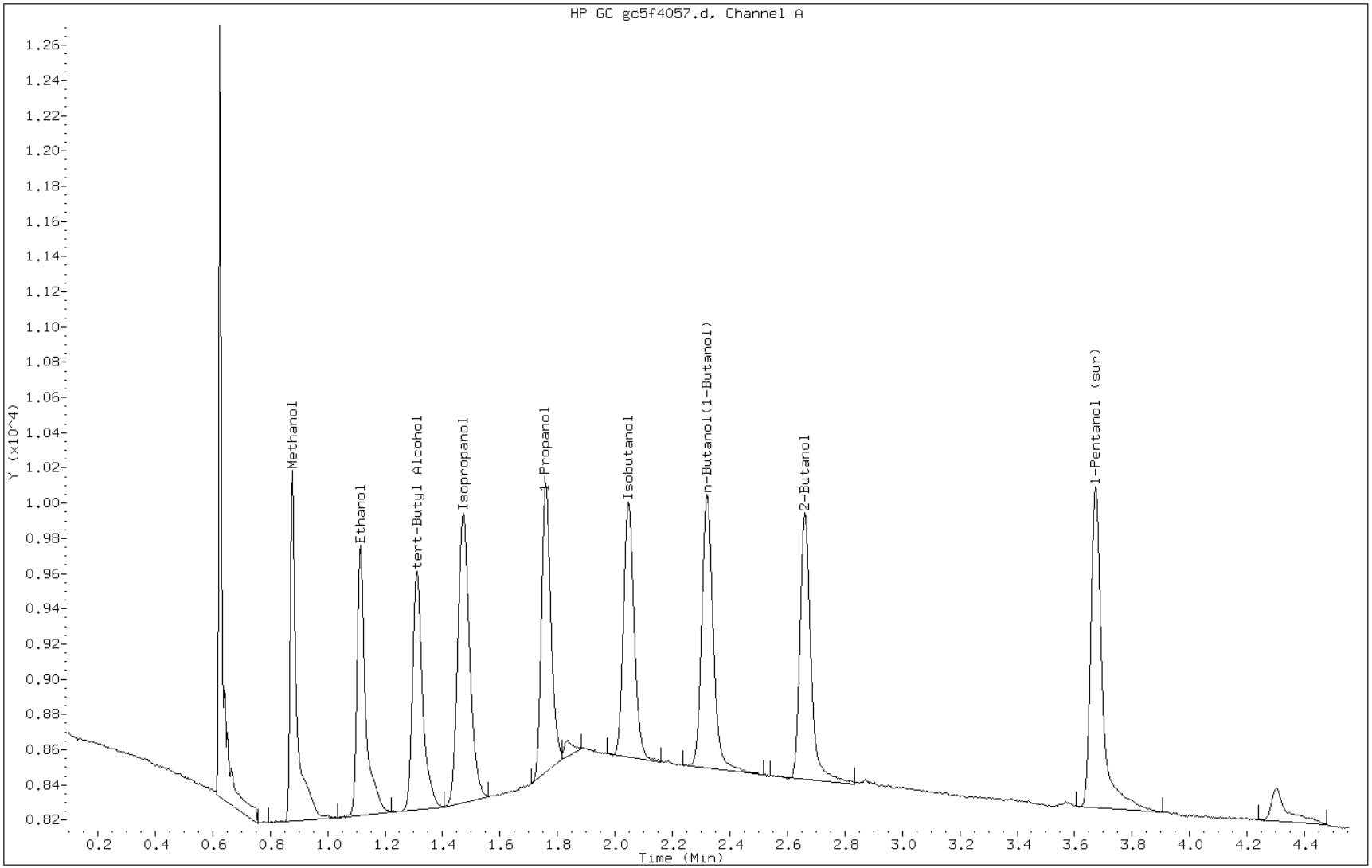
Date: 17-SEP-2009 08:12

Client ID: TW-02RR

Instrument: BNAGC5.i

Sample Info: 460-5722-A-3 MS

Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5722-1

SDG No.:

Client Sample ID: TW-02RR MSD  Lab Sample ID: 460-5722-3 MSD

Matrix: Water  Lab File ID: gc5f4058.d

Analysis Method: 8015B  Date Collected: 09/15/2009 10:00

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 08:18

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17223  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 4140 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 96 | 52-122 | |

Data File: gc5f4058.d
Report Date: 17-Sep-2009 10:05

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/gc5f4058.d
Lab Smp Id: 460-5722-A-3 MSD  Client Smp ID: TW-02RR
Inj Date  : 17-SEP-2009 08:18
Operator  : 615  Inst ID: BNAGC5.i
Smp Info  : 460-5722-A-3 MSD
Misc Info : 460-5722-A-3 MS
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 10:04 patelhe  Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51  Cal File: gc5f4051.d
Als bottle: 1  QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie  Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable  Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.872 | 0.891 | -0.019 | 14666 | 4143.34 | 4140 |
| 5 Ethanol | 1.107 | 1.131 | -0.024 | 15744 | 4069.94 | 4070 |
| 4 tert-Butyl Alcohol | 1.306 | 1.333 | -0.027 | 15926 | 3950.95 | 3950 |
| 6 Isopropanol | 1.466 | 1.494 | -0.028 | 23055 | 3823.24 | 3820 |
| 7 1-Propanol | 1.753 | 1.782 | -0.029 | 18841 | 3880.19 | 3880(M) |
| 9 Isobutanol | 2.038 | 2.071 | -0.033 | 18475 | 3745.28 | 3740 |
| 10 n-Butanol(1-Butanol) | 2.312 | 2.345 | -0.033 | 21067 | 3712.03 | 3710 |
| 8 2-Butanol | 2.651 | 2.685 | -0.034 | 20246 | 3709.44 | 3710 |
| $ 11 1-Pentanol (sur) | 3.663 | 3.701 | -0.038 | 25831 | 4789.04 | 4790 |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4058.d

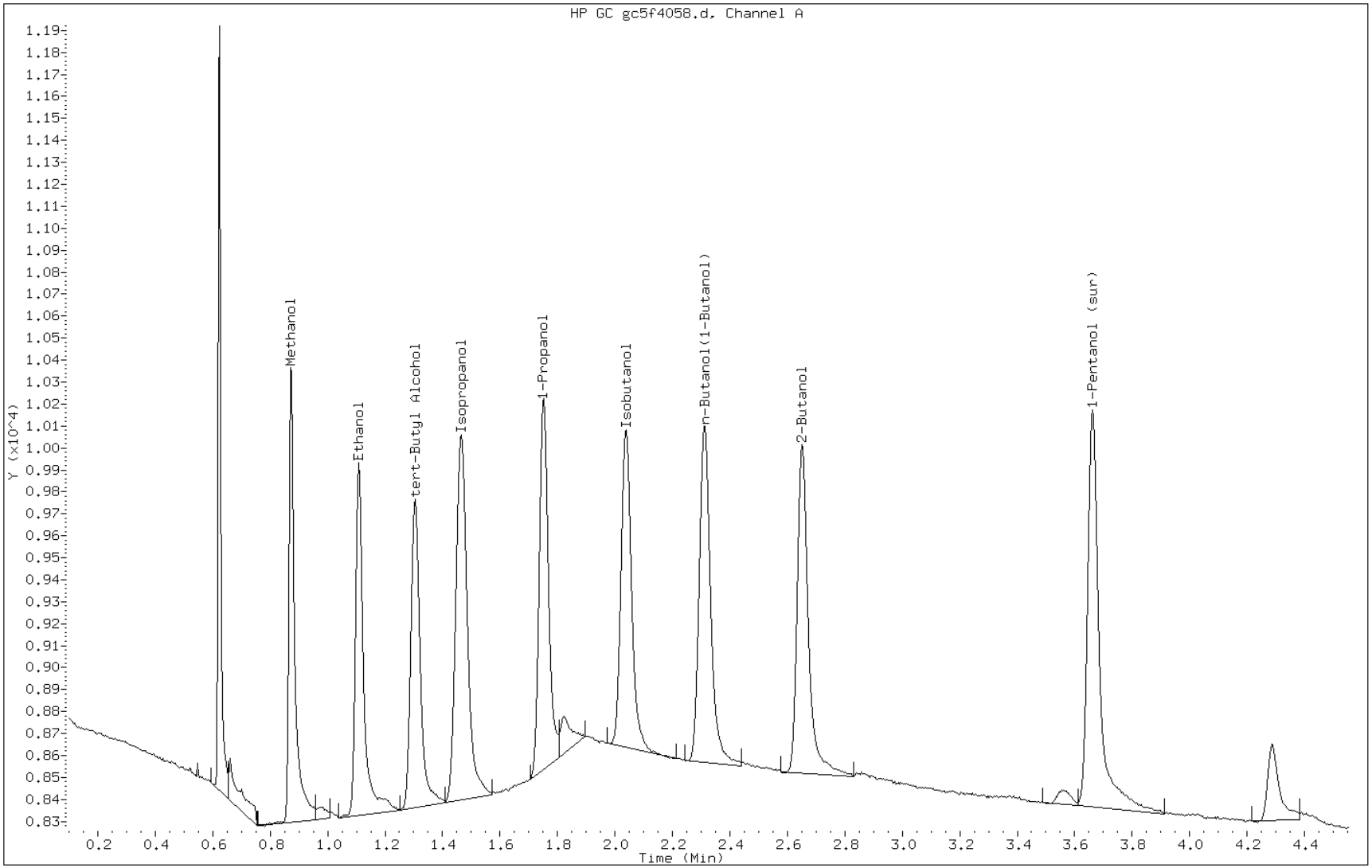
Date: 17-SEP-2009 08:18

Client ID: TW-02RR

Instrument: BNAGC5.i

Sample Info: 460-5722-A-3 MSD

Operator: 615



TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b

Date Generated: 09/17/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 0741 | gc5f4052 | 1 | RINSE-DI | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 0747 | gc5f4053 | 1 | RINSE-DI | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 0753 | gc5f4054 | 1 | CCVRT-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0759 | gc5f4055 | 1 | LCS | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0805 | gc5f4056 | 1 | LCSD | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0812 | gc5f4057 | 1 | 460-5722-A-3 MS | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0818 | gc5f4058 | 1 | 460-5722-A-3 MSD | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0824 | gc5f4059 | 1 | RINSE-DI | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 0830 | gc5f4060 | 1 | 460-5722-A-1 | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0837 | gc5f4061 | 1 | 460-5722-B-2 | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0843 | gc5f4062 | 1 | 460-5722-A-3 | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0849 | gc5f4063 | 1 | 460-5722-A-4 | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0855 | gc5f4064 | 1 | 460-5722-C-5 | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0901 | gc5f4065 | 1 | RINSE-DI | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | — |

9/17/09

9/17/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b

Date Generated: 09/17/2009

Page 2

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 0908 | gc5f4066 | 1 | MB | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | ND ok |
| 09/17/09 0914 | gc5f4067 | 1 | CCV-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | ok |

Signed: _____ Read and Understood by: _____

Date: 9/17/09 Date: 09/17/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b

Date Generated: 09/17/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 0914 | gc5f4067 | 1 | CCVRT-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0920 | gc5f4068 | 1 | RINSE-DI | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 0926 | gc5f4069 | 1 | 460-5722-A-6 | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0933 | gc5f4070 | 1 | 460-5722-C-7 | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0939 | gc5f4071 | 1 | 460-5722-C-8 | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0945 | gc5f4072 | 1 | 460-5722-A-9 | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0951 | gc5f4073 | 1 | MB | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | N/A |
| 09/17/09 0958 | gc5f4074 | 1 | CCV-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |

Signed: _____ Read and Understood by: _____

Date: 9/17/09 Date: 09/17/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b

Date Generated: 09/18/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 1531 | gc5f4075 | 1 | RINSE-DI | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1539 | gc5f4076 | 1 | RINSE-DI | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1545 | gc5f4077 | 1 | CCVRT-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1551 | gc5f4078 | 1 | LCS | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1557 | gc5f4079 | 1 | LCSD | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1604 | gc5f4080 | 1 | 460-5774-E-2 MS | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1610 | gc5f4081 | 1 | 460-5774-E-2 MSD | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1616 | gc5f4082 | 1 | RINSE-DI | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1622 | gc5f4083 | 1 | 460-5774-F-1 | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1628 | gc5f4084 | 1 | 460-5774-E-2 | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1635 | gc5f4085 | 1 | 460-5774-D-3 | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1641 | gc5f4086 | 1 | 460-5774-E-4 | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1647 | gc5f4087 | 1 | 460-5774-D-5 | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1653 | gc5f4088 | 1 | RINSE-DI | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | — |

9/18/09

9/18/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b

Date Generated: 09/18/2009

Page 2

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 1659 | gc5f4089 | 1 | RINSE-DI | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1706 | gc5f4090 | 1 | MB | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | NO OK |
| 09/17/09 1712 | gc5f4091 | 1 | CCV-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |

Signed: _____ Read and Understood by: _____

Date: 9/18/09 Date: 9/18/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b

Date Generated: 09/18/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 1712 | gc5f4091 | 1 | CCVRT-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1718 | gc5f4092 | 1 | N/A-LCS | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1724 | gc5f4093 | 1 | RINSE-DI | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1730 | gc5f4094 | 1 | 460-5774-E-6 | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1737 | gc5f4095 | 1 | 460-5774-F-7 | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1743 | gc5f4096 | 1 | 460-5774-E-8 | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1749 | gc5f4097 | 1 | 460-5774-D-9 | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1755 | gc5f4098 | 1 | RINSE-DI | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1801 | gc5f4099 | 1 | RINSE-DI | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1807 | gc5f4100 | 1 | N/A-MB | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | ND ok |
| 09/17/09 1814 | gc5f4101 | 1 | CCV-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | ok |

Signed: _____ Read and Understood by: _____

Date: 9/18/09 Date: 9/18/09

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

09/29/2009

TAL-4142 (0907)

| Client | Project Manager | Date | Chain of Custody Number |
|---|---|---|---|
| ARCADIS | DAWN PENNIMAN | 9/15/09 | 395559 |
| **Address** | **Telephone Number (Area Code)/Fax Number** | **Lab Number** | **Page 1 of 1** |
| 6723 TOWPATH RD. | 315-446-9120 | | |
| **City** | **State** | **Zip Code** | **Site Contact** | **Lab Contact** |
| SYRACUSE | NY | 13214 | Nathan Smith | Janae McCloud |
| **Project Name and Location (State)** | **Carrier/Waybill Number** |
| BEAR STREET (McKesson), Syracuse N.Y. | |
| **Contract/Purchase Order/Quote No.** |
| B0026003.0000.00010 |

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed. | Soil | Containers & Preservatives: Unpres. | H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Analysis: 8270C SVOCs | 8260B VOCs | 8015B Methanol | | Special Instructions/ Conditions of Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | 460035506 |
| | | | | | | | | | | | | | | | | | 5722 |
| MW-31 | 9/15/09 | 1405 | | X | | | 5 | | | 3 | | | X | X | X | 1 | |
| MW-34 | 9/15/09 | 1245 | | X | | | 5 | | | 3 | | | | | | 2 | |
| TW-02RR | | 1000 | | X | | | 15 | | | 9 | | | | | | 3 | MS/MSD (MS USE FOR ALL SAMPLES) |
| DUP-091509 | | — | | X | | | 5 | | | 3 | | | | | | 4 | |
| MW-95 | | 1315 | | X | | | 5 | | | 3 | | | | | | 5 | |
| MW-32 | | 1445 | | X | | | 5 | | | 3 | | | | | | 6 | |
| TW-01 | | 1510 | | X | | | 5 | | | 3 | | | | | | 7 | |
| MW-35 | | 1120 | | X | | | 5 | | | 3 | | | | | | 8 | |
| MW-36 | | 1010 | | X | | | 5 | | | 3 | | | | | | 9 | |
| TRIP BLANK 091509 | | — | | X | | | | | | 3 | | | | X | | 10 | |

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**Possible Hazard Identification**
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

**Sample Disposal**
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

**Turn Around Time Required**
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other STANDARD

**QC Requirements (Specify)**

| | | | | | |
|---|---|---|---|---|---|
| 1. Relinquished By: Nathan P. Smith | Date: 9/15/09 | Time: 1631 | 1. Received By: | Date: 9/15/09 | Time: 1631 |
| 2. Relinquished By: | Date: 9/15/09 | Time: 1830 | 2. Received By: fed EX | Date: | Time: |
| 3. Relinquished By: fed EX | Date: 9/16/09 | Time: 10:15 | 3. Received By: | Date: | Time: |

Comments: 3 COOLERS, 3 TEMP BLANKS

1 / 3 / 11

**DISTRIBUTION:** WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# Login Sample Receipt Check List

Client: ARCADIS

Job Number: 460-5722-1

**Login Number: 5722**

**List Source: TestAmerica Edison**

**Creator: Meyers, Gary**

**List Number: 1**

| Question | T / F/ NA | Comment |
|---|---|---|
| Radioactivity either was not measured or, if measured, is at or below background | N/A | |
| The cooler's custody seal, if present, is intact. | True | 596107, 596106 |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 1°C 4°C 3°C |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Is the Field Sampler's name present on COC? | True | |
| Sample Preservation Verified | True | |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 460-5774-1

Job Description: McKesson Bear Street Syracuse, NY

For:
ARCADIS
6723 Towpath Road
PO BOX 66
Syracuse, NY 13214

Attention: Ms. Dawn Penniman



Approved for release.
Janae S McCloud
Project Manager II
10/2/2009 2:33 PM

Janae S McCloud
Project Manager II
janae.mccloud@testamericainc.com
10/02/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

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## CASE NARRATIVE

## Client: ARCADIS

## Project: McKesson Bear Street Syracuse, NY

## Report Number: 460-5774-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

**RECEIPT**
The samples were received on 09/17/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

**ORGANICS BY DIRECT AQUEOUS INJECTION**
Samples 460-5774-1 through 460-5774-9 were analyzed for organics by direct aqueous injection in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 09/17/2009.

No difficulties were encountered during the organics by direct aqueous injection analyses.

All quality control parameters were within the acceptance limits.

**VOLATILE ORGANIC COMPOUNDS (GC-MS)**
Samples 460-5774-1 through 460-5774-10 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/22/2009, 09/23/2009 and 09/24/2009.

Benzene, Ethylbenzene, Toluene and Trichloroethene failed the recovery criteria low for the MS of sample 460-5774-2 in batch 460-17559. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Ethylbenzene failed the recovery criteria low for the MSD of sample 460-5774-2 in batch 460-17822. Acetone failed the recovery criteria high. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Trichloroethene failed the recovery criteria low for the MS of sample 460-5885-4 in batch 460-17822. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

**SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)**
Samples 460-5774-1 through 460-5774-9 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/18/2009 and analyzed on 09/19/2009 and 09/20/2009.

2,4,6-Tribromophenol, 2-Fluorobiphenyl, 2-Fluorophenol, Nitrobenzene-d5, Phenol-d5 and Terphenyl-d14 failed the surrogate recovery

criteria low for 460-5774-1, 5774-2, 5774-9, 5774-2MS, 5774-2 MSD. Refer to the QC report for details.

Aniline failed the recovery criteria low for the MS and MSD of sample 460-5774-2 in batch 460-17531. Due to the high concentration of Aniline, the matrix spike / matrix spike duplicate (MS/MSD) for batch 17400 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria. Refer to the QC report for details.

Samples 460-5774-1(10X), 460-5774-2(20X) and 460-5774-9(20X) required dilution prior to analysis, due to abundance of target analytes. As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

## SAMPLE SUMMARY

Client: ARCADIS

Job Number: 460-5774-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|---|---|---|---|---|
| 460-5774-1 | MW-27 | Water | 09/16/2009 1445 | 09/17/2009 1015 |
| 460-5774-2 | MW-8SR | Water | 09/16/2009 1240 | 09/17/2009 1015 |
| 460-5774-2MS | MW-8SR | Water | 09/16/2009 1240 | 09/17/2009 1015 |
| 460-5774-2MSD | MW-8SR | Water | 09/16/2009 1240 | 09/17/2009 1015 |
| 460-5774-3 | MW-29 | Water | 09/16/2009 1155 | 09/17/2009 1015 |
| 460-5774-4 | MW-3S | Water | 09/16/2009 1110 | 09/17/2009 1015 |
| 460-5774-5 | MW-30 | Water | 09/16/2009 1410 | 09/17/2009 1015 |
| 460-5774-6 | MW-1 | Water | 09/16/2009 0945 | 09/17/2009 1015 |
| 460-5774-7 | MW-33 | Water | 09/16/2009 0940 | 09/17/2009 1015 |
| 460-5774-8 | MW-28 | Water | 09/16/2009 1555 | 09/17/2009 1015 |
| 460-5774-9FD | DUP-091609 | Water | 09/16/2009 0000 | 09/17/2009 1015 |
| 460-5774-10TB | Trip Blank 091609 | Water | 09/16/2009 0000 | 09/17/2009 1015 |

## EXECUTIVE SUMMARY - Detections

Client: ARCADIS Job Number: 460-5774-1

| Lab Sample ID / Analyte | Client Sample ID | Result / Qualifier | | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **460-5774-1** | **MW-27** | | | | | |
| Acetone | | 10 | | 10 | ug/L | 8260B |
| Benzene | | 6.2 | | 1.0 | ug/L | 8260B |
| Toluene | | 6.9 | | 1.0 | ug/L | 8260B |
| Ethylbenzene | | 5.9 | | 1.0 | ug/L | 8260B |
| Aniline | | 2100 | | 50 | ug/L | 8270C |
| **460-5774-2** | **MW-8SR** | | | | | |
| Benzene | | 8.5 | | 1.0 | ug/L | 8260B |
| Toluene | | 6.8 | | 1.0 | ug/L | 8260B |
| Ethylbenzene | | 44 | | 1.0 | ug/L | 8260B |
| Aniline | | 4000 | | 100 | ug/L | 8270C |
| **460-5774-3** | **MW-29** | | | | | |
| Toluene | | 0.16 | J | 1.0 | ug/L | 8260B |
| n,n'-Dimethylaniline | | 0.29 | J | 1.0 | ug/L | 8270C |
| **460-5774-4** | **MW-3S** | | | | | |
| Benzene | | 0.17 | J | 1.0 | ug/L | 8260B |
| **460-5774-5** | **MW-30** | | | | | |
| Benzene | | 0.78 | J | 1.0 | ug/L | 8260B |
| Toluene | | 0.17 | J | 1.0 | ug/L | 8260B |
| Aniline | | 21 | | 5.0 | ug/L | 8270C |
| **460-5774-6** | **MW-1** | | | | | |
| Acetone | | 8.9 | J | 10 | ug/L | 8260B |
| **460-5774-7** | **MW-33** | | | | | |
| Benzene | | 2.6 | | 1.0 | ug/L | 8260B |
| Toluene | | 0.20 | J | 1.0 | ug/L | 8260B |

## EXECUTIVE SUMMARY - Detections

Client: ARCADIS Job Number: 460-5774-1

| Lab Sample ID / Analyte | Client Sample ID | Result / Qualifier | | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **460-5774-8** | **MW-28** | | | | | |
| Benzene | | 3.1 | | 1.0 | ug/L | 8260B |
| Toluene | | 0.25 | J | 1.0 | ug/L | 8260B |
| Ethylbenzene | | 0.32 | J | 1.0 | ug/L | 8260B |
| Aniline | | 6.7 | | 5.0 | ug/L | 8270C |
| **460-5774-9FD** | **DUP-091609** | | | | | |
| Acetone | | 8.3 | J | 10 | ug/L | 8260B |
| Benzene | | 7.9 | | 1.0 | ug/L | 8260B |
| Toluene | | 6.5 | | 1.0 | ug/L | 8260B |
| Ethylbenzene | | 38 | | 1.0 | ug/L | 8260B |
| Aniline | | 3400 | | 100 | ug/L | 8270C |

# METHOD SUMMARY

Client: ARCADIS Job Number: 460-5774-1

| Description | Lab Location | Method | Preparation Method |
|---|---|---|---|
| **Matrix: Water** | | | |
| Volatile Organic Compounds (GC/MS) | TAL EDI | SW846 8260B | |
| Purge and Trap | TAL EDI | | SW846 5030B |
| Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) | TAL EDI | SW846 8270C | |
| Liquid-Liquid Extraction (Separatory Funnel) | TAL EDI | | SW846 3510C |
| Nonhalogenated Organic Compounds - Direct Injection (GC) | TAL EDI | SW846 8015B | |

**Lab References:**

TAL EDI = TestAmerica Edison

**Method References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: ARCADIS

Job Number: 460-5774-1

| Method | Analyst | Analyst ID |
|---|---|---|
| SW846 8260B | Boykin, Kenneth | KB |
| SW846 8260B | Desai, Saurab | SD |
| SW846 8270C | Asfaw, Abebaye A. | AAA |
| SW846 8270C | Szczech, Anna | AS |
| SW846 8015B | Patel, Hemex | HP |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-27**

Lab Sample ID: 460-5774-1
Client Matrix: Water

Date Sampled: 09/16/2009 1445
Date Received: 09/17/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17748 | Instrument ID: VOAMS13 |
| Preparation: | 5030B | | Lab File ID: p31250.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 1612 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 1612 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 6.2 | | 0.13 | 1.0 |
| Toluene | 6.9 | | 0.090 | 1.0 |
| Ethylbenzene | 5.9 | | 0.25 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 70 - 122 |
| Bromofluorobenzene | 98 | | 69 - 135 |
| Toluene-d8 (Surr) | 92 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-8SR**

Lab Sample ID: 460-5774-2
Client Matrix: Water

Date Sampled: 09/16/2009 1240
Date Received: 09/17/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17559 | Instrument ID: VOAMS13 |
| Preparation: | 5030B | | Lab File ID: p31198.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 0248 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 0248 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 8.5 | | 0.13 | 1.0 |
| Toluene | 6.8 | | 0.090 | 1.0 |
| Ethylbenzene | 44 | | 0.25 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 70 - 122 |
| Bromofluorobenzene | 98 | | 69 - 135 |
| Toluene-d8 (Surr) | 92 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-29**

Lab Sample ID: 460-5774-3
Client Matrix: Water

Date Sampled: 09/16/2009 1155
Date Received: 09/17/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17822 | Instrument ID: VOAMS13 |
| Preparation: | 5030B | | Lab File ID: p31273.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/24/2009 0325 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/24/2009 0325 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 0.16 | J | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 70 - 122 |
| Bromofluorobenzene | 99 | | 69 - 135 |
| Toluene-d8 (Surr) | 93 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-3S**

Lab Sample ID: 460-5774-4
Client Matrix: Water

Date Sampled: 09/16/2009 1110
Date Received: 09/17/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17748 | Instrument ID: VOAMS13 |
| Preparation: | 5030B | | Lab File ID: p31245.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 1406 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 1406 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 0.17 | J | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 91 | | 70 - 122 |
| Bromofluorobenzene | 97 | | 69 - 135 |
| Toluene-d8 (Surr) | 91 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-30**

Lab Sample ID: 460-5774-5
Client Matrix: Water

Date Sampled: 09/16/2009 1410
Date Received: 09/17/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17748 | Instrument ID: VOAMS13 |
| Preparation: | 5030B | | Lab File ID: p31246.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 1431 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 1431 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 0.78 | J | 0.13 | 1.0 |
| Toluene | 0.17 | J | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 70 - 122 |
| Bromofluorobenzene | 97 | | 69 - 135 |
| Toluene-d8 (Surr) | 93 | | 69 - 125 |

Client: ARCADIS Job Number: 460-5774-1

**Client Sample ID:** **MW-1**

Lab Sample ID: 460-5774-6 Date Sampled: 09/16/2009 0945
Client Matrix: Water Date Received: 09/17/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17748 | Instrument ID: VOAMS13 |
| Preparation: | 5030B | | Lab File ID: p31247.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 1456 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 1456 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 8.9 | J | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 94 | | 70 - 122 |
| Bromofluorobenzene | 97 | | 69 - 135 |
| Toluene-d8 (Surr) | 93 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-33**

Lab Sample ID: 460-5774-7
Client Matrix: Water

Date Sampled: 09/16/2009 0940
Date Received: 09/17/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17748 | Instrument ID: VOAMS13 |
| Preparation: | 5030B | | Lab File ID: p31248.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 1521 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 1521 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 2.6 | | 0.13 | 1.0 |
| Toluene | 0.20 | J | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 70 - 122 |
| Bromofluorobenzene | 99 | | 69 - 135 |
| Toluene-d8 (Surr) | 93 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-28**

Lab Sample ID: 460-5774-8
Client Matrix: Water

Date Sampled: 09/16/2009 1555
Date Received: 09/17/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17748 | Instrument ID: VOAMS13 |
| Preparation: | 5030B | | Lab File ID: p31249.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 1547 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 1547 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 3.1 | | 0.13 | 1.0 |
| Toluene | 0.25 | J | 0.090 | 1.0 |
| Ethylbenzene | 0.32 | J | 0.25 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 70 - 122 |
| Bromofluorobenzene | 99 | | 69 - 135 |
| Toluene-d8 (Surr) | 93 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **DUP-091609**

Lab Sample ID: 460-5774-9FD
Client Matrix: Water

Date Sampled: 09/16/2009 0000
Date Received: 09/17/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17748 | Instrument ID: VOAMS13 |
| Preparation: | 5030B | | Lab File ID: p31252.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 1703 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 1703 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 8.3 | J | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 7.9 | | 0.13 | 1.0 |
| Toluene | 6.5 | | 0.090 | 1.0 |
| Ethylbenzene | 38 | | 0.25 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 70 - 122 |
| Bromofluorobenzene | 99 | | 69 - 135 |
| Toluene-d8 (Surr) | 91 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **Trip Blank 091609**

Lab Sample ID: 460-5774-10TB
Client Matrix: Water

Date Sampled: 09/16/2009 0000
Date Received: 09/17/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17559 | Instrument ID: VOAMS13 |
| Preparation: | 5030B | | Lab File ID: p31197.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 0222 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 0222 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 70 - 122 |
| Bromofluorobenzene | 100 | | 69 - 135 |
| Toluene-d8 (Surr) | 92 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-27**

Lab Sample ID: 460-5774-1
Client Matrix: Water

Date Sampled: 09/16/2009 1445
Date Received: 09/17/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17486 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17400 | | Lab File ID: | z3991.d |
| Dilution: | 10 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/20/2009 0729 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/18/2009 2049 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 2100 | | 17 | 50 |
| n,n'-Dimethylaniline | 10 | U | 2.7 | 10 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 0 | D | 64 - 119 |
| 2-Fluorophenol | 0 | D | 15 - 57 |
| Nitrobenzene-d5 | 0 | D | 69 - 120 |
| Phenol-d5 | 0 | D | 10 - 41 |
| Terphenyl-d14 | 0 | D | 38 - 141 |
| 2,4,6-Tribromophenol | 0 | D | 69 - 127 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-8SR**

Lab Sample ID: 460-5774-2
Client Matrix: Water

Date Sampled: 09/16/2009 1240
Date Received: 09/17/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17486 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17400 | | Lab File ID: | z3988.d |
| Dilution: | 20 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/20/2009 0617 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/18/2009 2049 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 4000 | | 35 | 100 |
| n,n'-Dimethylaniline | 20 | U | 5.4 | 20 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 0 | D | 64 - 119 |
| 2-Fluorophenol | 0 | D | 15 - 57 |
| Nitrobenzene-d5 | 0 | D | 69 - 120 |
| Phenol-d5 | 0 | D | 10 - 41 |
| Terphenyl-d14 | 0 | D | 38 - 141 |
| 2,4,6-Tribromophenol | 0 | D | 69 - 127 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-29**

Lab Sample ID: 460-5774-3
Client Matrix: Water

Date Sampled: 09/16/2009 1155
Date Received: 09/17/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17609 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17400 | | Lab File ID: | z3975.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/19/2009 1725 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/18/2009 2049 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 0.29 | J | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 94 | | 64 - 119 |
| 2-Fluorophenol | 47 | | 15 - 57 |
| Nitrobenzene-d5 | 90 | | 69 - 120 |
| Phenol-d5 | 31 | | 10 - 41 |
| Terphenyl-d14 | 99 | | 38 - 141 |
| 2,4,6-Tribromophenol | 95 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-3S**

Lab Sample ID: 460-5774-4
Client Matrix: Water

Date Sampled: 09/16/2009 1110
Date Received: 09/17/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17609 | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17400 | Lab File ID: | z3976.d |
| Dilution: | 1.0 | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/19/2009 1749 | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/18/2009 2049 | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 92 | | 64 - 119 |
| 2-Fluorophenol | 50 | | 15 - 57 |
| Nitrobenzene-d5 | 92 | | 69 - 120 |
| Phenol-d5 | 33 | | 10 - 41 |
| Terphenyl-d14 | 98 | | 38 - 141 |
| 2,4,6-Tribromophenol | 85 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-30**

Lab Sample ID: 460-5774-5
Client Matrix: Water

Date Sampled: 09/16/2009 1410
Date Received: 09/17/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17609 | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17400 | Lab File ID: | z3977.d |
| Dilution: | 1.0 | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/19/2009 1813 | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/18/2009 2049 | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 21 | | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 88 | | 64 - 119 |
| 2-Fluorophenol | 46 | | 15 - 57 |
| Nitrobenzene-d5 | 87 | | 69 - 120 |
| Phenol-d5 | 32 | | 10 - 41 |
| Terphenyl-d14 | 100 | | 38 - 141 |
| 2,4,6-Tribromophenol | 92 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-1**

Lab Sample ID: 460-5774-6
Client Matrix: Water

Date Sampled: 09/16/2009 0945
Date Received: 09/17/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17609 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17400 | | Lab File ID: | z3978.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/19/2009 1838 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/18/2009 2049 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 90 | | 64 - 119 |
| 2-Fluorophenol | 48 | | 15 - 57 |
| Nitrobenzene-d5 | 91 | | 69 - 120 |
| Phenol-d5 | 32 | | 10 - 41 |
| Terphenyl-d14 | 101 | | 38 - 141 |
| 2,4,6-Tribromophenol | 88 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-33**

Lab Sample ID: 460-5774-7
Client Matrix: Water

Date Sampled: 09/16/2009 0940
Date Received: 09/17/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17609 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17400 | | Lab File ID: | z3979.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/19/2009 1902 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/18/2009 2049 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 77 | | 64 - 119 |
| 2-Fluorophenol | 38 | | 15 - 57 |
| Nitrobenzene-d5 | 74 | | 69 - 120 |
| Phenol-d5 | 26 | | 10 - 41 |
| Terphenyl-d14 | 86 | | 38 - 141 |
| 2,4,6-Tribromophenol | 76 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-28**

Lab Sample ID: 460-5774-8
Client Matrix: Water

Date Sampled: 09/16/2009 1555
Date Received: 09/17/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17609 | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17400 | Lab File ID: | z3980.d |
| Dilution: | 1.0 | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/19/2009 1926 | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/18/2009 2049 | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 6.7 | | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 90 | | 64 - 119 |
| 2-Fluorophenol | 46 | | 15 - 57 |
| Nitrobenzene-d5 | 90 | | 69 - 120 |
| Phenol-d5 | 29 | | 10 - 41 |
| Terphenyl-d14 | 95 | | 38 - 141 |
| 2,4,6-Tribromophenol | 87 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **DUP-091609**

Lab Sample ID: 460-5774-9FD
Client Matrix: Water

Date Sampled: 09/16/2009 0000
Date Received: 09/17/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17499 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17400 | | Lab File ID: | z4028.d |
| Dilution: | 20 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/21/2009 1135 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/18/2009 2049 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 3400 | | 35 | 100 |
| n,n'-Dimethylaniline | 20 | U | 5.4 | 20 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 0 | D | 64 - 119 |
| 2-Fluorophenol | 0 | D | 15 - 57 |
| Nitrobenzene-d5 | 0 | D | 69 - 120 |
| Phenol-d5 | 0 | D | 10 - 41 |
| Terphenyl-d14 | 0 | D | 38 - 141 |
| 2,4,6-Tribromophenol | 0 | D | 69 - 127 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-27**

Lab Sample ID: 460-5774-1
Client Matrix: Water

Date Sampled: 09/16/2009 1445
Date Received: 09/17/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17320 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 1622 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 102 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-8SR**

Lab Sample ID: 460-5774-2
Client Matrix: Water

Date Sampled: 09/16/2009 1240
Date Received: 09/17/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17320 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 1628 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 110 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-29**

Lab Sample ID: 460-5774-3
Client Matrix: Water

Date Sampled: 09/16/2009 1155
Date Received: 09/17/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17320 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 1635 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 103 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-3S**

Lab Sample ID: 460-5774-4
Client Matrix: Water

Date Sampled: 09/16/2009 1110
Date Received: 09/17/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17320 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 1641 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 101 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-30**

Lab Sample ID: 460-5774-5
Client Matrix: Water

Date Sampled: 09/16/2009 1410
Date Received: 09/17/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17320 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 1647 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 104 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-1**

Lab Sample ID: 460-5774-6
Client Matrix: Water

Date Sampled: 09/16/2009 0945
Date Received: 09/17/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17321 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 1730 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 102 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-33**

Lab Sample ID: 460-5774-7
Client Matrix: Water

Date Sampled: 09/16/2009 0940
Date Received: 09/17/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17321 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 1737 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 106 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **MW-28**

Lab Sample ID: 460-5774-8
Client Matrix: Water

Date Sampled: 09/16/2009 1555
Date Received: 09/17/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17321 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 1743 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 107 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5774-1

**Client Sample ID:** **DUP-091609**

Lab Sample ID: 460-5774-9FD
Client Matrix: Water

Date Sampled: 09/16/2009 0000
Date Received: 09/17/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17321 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/17/2009 1749 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 101 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5774-1

## Surrogate Recovery Report

**8260B Volatile Organic Compounds (GC/MS)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | DCA %Rec | TOL %Rec | BFB %Rec |
|---|---|---|---|---|
| 460-5774-1 | MW-27 | 92 | 92 | 98 |
| 460-5774-2 | MW-8SR | 92 | 92 | 98 |
| 460-5774-3 | MW-29 | 93 | 93 | 99 |
| 460-5774-4 | MW-3S | 91 | 91 | 97 |
| 460-5774-5 | MW-30 | 92 | 93 | 97 |
| 460-5774-6 | MW-1 | 94 | 93 | 97 |
| 460-5774-7 | MW-33 | 93 | 93 | 99 |
| 460-5774-8 | MW-28 | 96 | 93 | 99 |
| 460-5774-9 | DUP-091609 | 92 | 91 | 99 |
| 460-5774-10 | Trip Blank 091609 | 92 | 92 | 100 |
| MB 460-17559/4 | | 93 | 90 | 98 |
| MB 460-17748/4 | | 93 | 92 | 98 |
| MB 460-17822/4 | | 95 | 94 | 100 |
| LCS 460-17559/3 | | 91 | 94 | 99 |
| LCS 460-17748/3 | | 94 | 94 | 100 |
| LCS 460-17822/3 | | 94 | 94 | 100 |
| 460-5774-2 MS | MW-8SR MS | 85 | 86 | 92 |
| 460-5737-B-3 MS | | 92 | 93 | 99 |
| 460-5885-A-4 MS | | 92 | 93 | 99 |
| 460-5774-2 MSD | MW-8SR MSD | 101 | 103 | 109 |
| 460-5737-B-3 MSD | | 113 | 108 | 114 |
| 460-5885-A-4 MSD | | 97 | 92 | 99 |

| Surrogate | Acceptance Limits |
|---|---|
| DCA = 1,2-Dichloroethane-d4 (Surr) | 70-122 |
| TOL = Toluene-d8 (Surr) | 69-125 |
| BFB = Bromofluorobenzene | 69-135 |

Client: ARCADIS

Job Number: 460-5774-1

## Surrogate Recovery Report

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | 2FP %Rec | PHL %Rec | NBZ %Rec | FBP %Rec | TBP %Rec | TPH %Rec |
|---|---|---|---|---|---|---|---|
| 460-5774-1 | MW-27 | 0D | 0D | 0D | 0D | 0D | 0D |
| 460-5774-2 | MW-8SR | 0D | 0D | 0D | 0D | 0D | 0D |
| 460-5774-3 | MW-29 | 47 | 31 | 90 | 94 | 95 | 99 |
| 460-5774-4 | MW-3S | 50 | 33 | 92 | 92 | 85 | 98 |
| 460-5774-5 | MW-30 | 46 | 32 | 87 | 88 | 92 | 100 |
| 460-5774-6 | MW-1 | 48 | 32 | 91 | 90 | 88 | 101 |
| 460-5774-7 | MW-33 | 38 | 26 | 74 | 77 | 76 | 86 |
| 460-5774-8 | MW-28 | 46 | 29 | 90 | 90 | 87 | 95 |
| 460-5774-9 | DUP-091609 | 0D | 0D | 0D | 0D | 0D | 0D |
| MB 460-17400/1-A | | 53 | 39 | 79 | 77 | 73 | 82 |
| LCS 460-17400/2-A | | 54 | 41 | 85 | 87 | 82 | 86 |
| 460-5774-2 MS | MW-8SR MS | 0D | 0D | 0D | 0D | 0D | 0D |
| 460-5774-2 MSD | MW-8SR MSD | 0D | 0D | 0D | 0D | 0D | 0D |

| Surrogate | Acceptance Limits |
|---|---|
| 2FP = 2-Fluorophenol | 15-57 |
| PHL = Phenol-d5 | 10-41 |
| NBZ = Nitrobenzene-d5 | 69-120 |
| FBP = 2-Fluorobiphenyl | 64-119 |
| TBP = 2,4,6-Tribromophenol | 69-127 |
| TPH = Terphenyl-d14 | 38-141 |

## Surrogate Recovery Report

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | 1Pent1 %Rec |
|---|---|---|
| 460-5774-1 | MW-27 | 102 |
| 460-5774-2 | MW-8SR | 110 |
| 460-5774-3 | MW-29 | 103 |
| 460-5774-4 | MW-3S | 101 |
| 460-5774-5 | MW-30 | 104 |
| 460-5774-6 | MW-1 | 102 |
| 460-5774-7 | MW-33 | 106 |
| 460-5774-8 | MW-28 | 107 |
| 460-5774-9 | DUP-091609 | 101 |
| MB 460-17320/17 | | 99 |
| LCS 460-17320/4 | | 97 |
| LCSD 460-17320/5 | | 103 |
| 460-5774-2 MS | MW-8SR MS | 96 |
| 460-5774-2 MSD | MW-8SR MSD | 104 |

| Surrogate | Acceptance Limits |
|---|---|
| 1Pent = 1-Pentanol | 52-122 |

**Method Blank - Batch: 460-17559**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: MB 460-17559/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 0040
Date Prepared: 09/22/2009 0040

Analysis Batch: 460-17559
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS13
Lab File ID: p31193.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 93 | 70 - 122 |
| Bromofluorobenzene | 98 | 69 - 135 |
| Toluene-d8 (Surr) | 90 | 69 - 125 |

**Lab Control Sample - Batch: 460-17559**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: LCS 460-17559/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 2304
Date Prepared: 09/21/2009 2304

Analysis Batch: 460-17559
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS13
Lab File ID: p31190.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 18.6 | 93 | 79 - 119 | |
| Acetone | 20.0 | 19.3 | 97 | 45 - 156 | |
| Trichloroethene | 20.0 | 17.4 | 87 | 78 - 119 | |
| Benzene | 20.0 | 17.8 | 89 | 83 - 124 | |
| Toluene | 20.0 | 17.4 | 87 | 80 - 120 | |
| Ethylbenzene | 20.0 | 16.9 | 84 | 79 - 126 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 91 | 70 - 122 |
| Bromofluorobenzene | 99 | 69 - 135 |
| Toluene-d8 (Surr) | 94 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5774-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17559**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5774-2 | Analysis Batch: | 460-17559 | Instrument ID: | VOAMS13 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | p31199.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 09/22/2009 0800 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 09/22/2009 0800 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 460-5774-2 | Analysis Batch: | 460-17559 | Instrument ID: | VOAMS13 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | p31200.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 09/22/2009 0825 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 09/22/2009 0825 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methylene Chloride | 82 | 105 | 79 - 119 | 25 | 30 | | |
| Acetone | 147 | 167 | 45 - 156 | 13 | 30 | | F |
| Trichloroethene | 76 | 93 | 78 - 119 | 20 | 30 | F | |
| Benzene | 73 | 96 | 83 - 124 | 18 | 30 | F | |
| Toluene | 72 | 90 | 80 - 120 | 15 | 30 | F | |
| Ethylbenzene | 60 | 75 | 79 - 126 | 5 | 30 | F | F |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 85 | 101 | 70 - 122 |
| Bromofluorobenzene | 92 | 109 | 69 - 135 |
| Toluene-d8 (Surr) | 86 | 103 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5774-1

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17559**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5774-2 | Units: ug/L | MSD Lab Sample ID: | 460-5774-2 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Date Analyzed: | 09/22/2009 0800 | | Date Analyzed: | 09/22/2009 0825 | |
| Date Prepared: | 09/22/2009 0800 | | Date Prepared: | 09/22/2009 0825 | |

| Analyte | Sample Result/Qual | | MS Spike Amount | MSD Spike Amount | MS Result/Qual | | MSD Result/Qual | |
|---|---|---|---|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 20.0 | 20.0 | 16.4 | | 21.0 | |
| Acetone | 10 | U | 20.0 | 20.0 | 29.4 | | 33.5 | F |
| Trichloroethene | 1.0 | U | 20.0 | 20.0 | 15.2 | F | 18.6 | |
| Benzene | 8.5 | | 20.0 | 20.0 | 23.0 | F | 27.7 | |
| Toluene | 6.8 | | 20.0 | 20.0 | 21.1 | F | 24.7 | |
| Ethylbenzene | 44 | | 20.0 | 20.0 | 55.5 | F | 58.5 | F |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17748**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: MB 460-17748/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2009 1007
Date Prepared: 09/23/2009 1007

Analysis Batch: 460-17748
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS13
Lab File ID: p31236.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 93 | 70 - 122 |
| Bromofluorobenzene | 98 | 69 - 135 |
| Toluene-d8 (Surr) | 92 | 69 - 125 |

**Lab Control Sample - Batch: 460-17748**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: LCS 460-17748/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2009 0916
Date Prepared: 09/23/2009 0916

Analysis Batch: 460-17748
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS13
Lab File ID: p31234.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 19.8 | 99 | 79 - 119 | |
| Acetone | 20.0 | 24.9 | 124 | 45 - 156 | |
| Trichloroethene | 20.0 | 18.3 | 91 | 78 - 119 | |
| Benzene | 20.0 | 19.1 | 95 | 83 - 124 | |
| Toluene | 20.0 | 18.3 | 92 | 80 - 120 | |
| Ethylbenzene | 20.0 | 18.4 | 92 | 79 - 126 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 94 | 70 - 122 |
| Bromofluorobenzene | 100 | 69 - 135 |
| Toluene-d8 (Surr) | 94 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5774-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17748**

**Method: 8260B**
**Preparation: 5030B**

| | | | |
|---|---|---|---|
| MS Lab Sample ID: | 460-5737-B-3 MS | Analysis Batch: 460-17748 | Instrument ID: VOAMS13 |
| Client Matrix: | Water | Prep Batch: N/A | Lab File ID: p31240.d |
| Dilution: | 20 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 1158 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 1158 | | |

| | | | |
|---|---|---|---|
| MSD Lab Sample ID: | 460-5737-B-3 MSD | Analysis Batch: 460-17748 | Instrument ID: VOAMS13 |
| Client Matrix: | Water | Prep Batch: N/A | Lab File ID: p31241.d |
| Dilution: | 20 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 1224 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 1224 | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methylene Chloride | 101 | 97 | 79 - 119 | 5 | 30 | | |
| Acetone | 134 | 135 | 45 - 156 | 0 | 30 | | |
| Trichloroethene | 95 | 92 | 78 - 119 | 4 | 30 | | |
| Benzene | 100 | 104 | 83 - 124 | 4 | 30 | | |
| Toluene | 96 | 92 | 80 - 120 | 4 | 30 | | |
| Ethylbenzene | 98 | 94 | 79 - 126 | 4 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 92 | 113 | 70 - 122 |
| Bromofluorobenzene | 99 | 114 | 69 - 135 |
| Toluene-d8 (Surr) | 93 | 108 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5774-1

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17748**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5737-B-3 MS | Units: ug/L | MSD Lab Sample ID: | 460-5737-B-3 MSD | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 20 | | Dilution: | 20 | |
| Date Analyzed: | 09/23/2009 1158 | | Date Analyzed: | 09/23/2009 1224 | |
| Date Prepared: | 09/23/2009 1158 | | Date Prepared: | 09/23/2009 1224 | |

| Analyte | Sample Result/Qual | | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|---|
| Methylene Chloride | 20 | U | 400 | 400 | 405 | 386 |
| Acetone | 200 | U | 400 | 400 | 536 | 538 |
| Trichloroethene | 43 | | 400 | 400 | 424 | 409 |
| Benzene | 20 | U | 400 | 400 | 399 | 415 |
| Toluene | 20 | U | 400 | 400 | 385 | 369 |
| Ethylbenzene | 20 | U | 400 | 400 | 391 | 375 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17822**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: MB 460-17822/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2009 2137
Date Prepared: 09/23/2009 2137

Analysis Batch: 460-17822
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS13
Lab File ID: p31261.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 95 | 70 - 122 |
| Bromofluorobenzene | 100 | 69 - 135 |
| Toluene-d8 (Surr) | 94 | 69 - 125 |

**Lab Control Sample - Batch: 460-17822**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: LCS 460-17822/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2009 2046
Date Prepared: 09/23/2009 2046

Analysis Batch: 460-17822
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS13
Lab File ID: p31259.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 20.7 | 104 | 79 - 119 | |
| Acetone | 20.0 | 24.3 | 121 | 45 - 156 | |
| Trichloroethene | 20.0 | 19.9 | 100 | 78 - 119 | |
| Benzene | 20.0 | 20.1 | 101 | 83 - 124 | |
| Toluene | 20.0 | 20.2 | 101 | 80 - 120 | |
| Ethylbenzene | 20.0 | 20.7 | 103 | 79 - 126 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 94 | 70 - 122 |
| Bromofluorobenzene | 100 | 69 - 135 |
| Toluene-d8 (Surr) | 94 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5774-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17822**

**Method: 8260B**
**Preparation: 5030B**

| | | | |
|---|---|---|---|
| MS Lab Sample ID: | 460-5885-A-4 MS | Analysis Batch: 460-17822 | Instrument ID: VOAMS13 |
| Client Matrix: | Water | Prep Batch: N/A | Lab File ID: p31268.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/24/2009 0118 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/24/2009 0118 | | |

| | | | |
|---|---|---|---|
| MSD Lab Sample ID: | 460-5885-A-4 MSD | Analysis Batch: 460-17822 | Instrument ID: VOAMS13 |
| Client Matrix: | Water | Prep Batch: N/A | Lab File ID: p31269.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/24/2009 0144 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/24/2009 0144 | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methylene Chloride | 100 | 99 | 79 - 119 | 1 | 30 | | |
| Acetone | 103 | 93 | 45 - 156 | 10 | 30 | | |
| Trichloroethene | 77 | 81 | 78 - 119 | 1 | 30 | F | |
| Benzene | 94 | 95 | 83 - 124 | 1 | 30 | | |
| Toluene | 93 | 93 | 80 - 120 | 1 | 30 | | |
| Ethylbenzene | 95 | 96 | 79 - 126 | 0 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 92 | 97 | 70 - 122 |
| Bromofluorobenzene | 99 | 99 | 69 - 135 |
| Toluene-d8 (Surr) | 93 | 92 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5774-1

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17822**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5885-A-4 MS | Units: ug/L | MSD Lab Sample ID: | 460-5885-A-4 MSD | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Date Analyzed: | 09/24/2009 0118 | | Date Analyzed: | 09/24/2009 0144 | |
| Date Prepared: | 09/24/2009 0118 | | Date Prepared: | 09/24/2009 0144 | |

| Analyte | Sample Result/Qual | | MS Spike Amount | MSD Spike Amount | MS Result/Qual | | MSD Result/Qual |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 20.0 | 20.0 | 20.0 | | 19.7 |
| Acetone | 10 | U | 20.0 | 20.0 | 20.5 | | 18.6 |
| Trichloroethene | 36 | | 20.0 | 20.0 | 51.1 | F | 51.7 |
| Benzene | 1.0 | U | 20.0 | 20.0 | 18.8 | | 19.1 |
| Toluene | 1.0 | U | 20.0 | 20.0 | 18.5 | | 18.6 |
| Ethylbenzene | 1.0 | U | 20.0 | 20.0 | 19.1 | | 19.1 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17400**

**Method: 8270C**
**Preparation: 3510C**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 460-17400/1-A | Analysis Batch: | 460-17499 | Instrument ID: | BNAMS11 |
| Client Matrix: | Water | Prep Batch: | 460-17400 | Lab File ID: | z4019.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/21/2009 0754 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/18/2009 2049 | | | Injection Volume: | 1.0 uL |

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 2-Fluorobiphenyl | 77 | 64 - 119 |
| 2-Fluorophenol | 53 | 15 - 57 |
| Nitrobenzene-d5 | 79 | 69 - 120 |
| Phenol-d5 | 39 | 10 - 41 |
| Terphenyl-d14 | 82 | 38 - 141 |
| 2,4,6-Tribromophenol | 73 | 69 - 127 |

**Lab Control Sample - Batch: 460-17400**

**Method: 8270C**
**Preparation: 3510C**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | LCS 460-17400/2-A | Analysis Batch: | 460-17486 | Instrument ID: | BNAMS11 |
| Client Matrix: | Water | Prep Batch: | 460-17400 | Lab File ID: | z3987.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/20/2009 0553 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/18/2009 2049 | | | Injection Volume: | 1.0 uL |

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Aniline | 100 | 68.4 | 68 | 45 - 90 | |
| n,n'-Dimethylaniline | 100 | 73.7 | 74 | 50 - 109 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 2-Fluorobiphenyl | 87 | 64 - 119 |
| 2-Fluorophenol | 54 | 15 - 57 |
| Nitrobenzene-d5 | 85 | 69 - 120 |
| Phenol-d5 | 41 | 10 - 41 |
| Terphenyl-d14 | 86 | 38 - 141 |
| 2,4,6-Tribromophenol | 82 | 69 - 127 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5774-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17400**

**Method: 8270C**
**Preparation: 3510C**

| | | | |
|---|---|---|---|
| MS Lab Sample ID: | 460-5774-2 | Analysis Batch: 460-17499 | Instrument ID: BNAMS11 |
| Client Matrix: | Water | Prep Batch: 460-17400 | Lab File ID: z4020.d |
| Dilution: | 20 | | Initial Weight/Volume: 1000 mL |
| Date Analyzed: | 09/21/2009 0819 | | Final Weight/Volume: 2 mL |
| Date Prepared: | 09/18/2009 2049 | | Injection Volume: 1.0 uL |

| | | | |
|---|---|---|---|
| MSD Lab Sample ID: | 460-5774-2 | Analysis Batch: 460-17531 | Instrument ID: BNAMS11 |
| Client Matrix: | Water | Prep Batch: 460-17400 | Lab File ID: z4043.d |
| Dilution: | 20 | | Initial Weight/Volume: 1000 mL |
| Date Analyzed: | 09/21/2009 2209 | | Final Weight/Volume: 2 mL |
| Date Prepared: | 09/18/2009 2049 | | Injection Volume: 1.0 uL |

| Analyte | % Rec. MS | % Rec. MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
|---|---|---|---|---|---|---|---|
| Aniline | -416 | -386 | 45 - 90 | 1 | 30 | 4 | 4 |
| n,n'-Dimethylaniline | 89 | 102 | 50 - 109 | 14 | 30 | | |

| Surrogate | MS % Rec | | MSD % Rec | | Acceptance Limits |
|---|---|---|---|---|---|
| 2-Fluorobiphenyl | 0 | D | 0 | D | 64 - 119 |
| 2-Fluorophenol | 0 | D | 0 | D | 15 - 57 |
| Nitrobenzene-d5 | 0 | D | 0 | D | 69 - 120 |
| Phenol-d5 | 0 | D | 0 | D | 10 - 41 |
| Terphenyl-d14 | 0 | D | 0 | D | 38 - 141 |
| 2,4,6-Tribromophenol | 0 | D | 0 | D | 69 - 127 |

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17400**

**Method: 8270C**
**Preparation: 3510C**

| | | | |
|---|---|---|---|
| MS Lab Sample ID: | 460-5774-2 | Units: ug/L | MSD Lab Sample ID: 460-5774-2 |
| Client Matrix: | Water | | Client Matrix: Water |
| Dilution: | 20 | | Dilution: 20 |
| Date Analyzed: | 09/21/2009 0819 | | Date Analyzed: 09/21/2009 2209 |
| Date Prepared: | 09/18/2009 2049 | | Date Prepared: 09/18/2009 2049 |

| Analyte | Sample Result/Qual | | MS Spike Amount | MSD Spike Amount | MS Result/Qual | | MSD Result/Qual | |
|---|---|---|---|---|---|---|---|---|
| Aniline | 4000 | | 100 | 100 | 3540 | 4 | 3570 | 4 |
| n,n'-Dimethylaniline | 20 | U | 100 | 100 | 88.6 | | 102 | |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17320**

**Method: 8015B**
**Preparation: N/A**

Lab Sample ID: MB 460-17320/17
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/17/2009 1706
Date Prepared: N/A

Analysis Batch: 460-17320
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4090.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

| Analyte | Result | Qual | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1-Pentanol | 99 | 52 - 122 |

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 460-17320**

**Method: 8015B**
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-17320/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/17/2009 1551
Date Prepared: N/A

Analysis Batch: 460-17320
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4078.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 460-17320/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/17/2009 1557
Date Prepared: N/A

Analysis Batch: 460-17320
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4079.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Methanol | 109 | 95 | 60 - 145 | 14 | 30 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 97 | 103 | 52 - 122 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Laboratory Control/**
**Laboratory Duplicate Data Report - Batch: 460-17320**

**Method: 8015B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 460-17320/4 | Units: | ug/L | LCSD Lab Sample ID: | LCSD 460-17320/5 |
| Client Matrix: | Water | | | Client Matrix: | Water |
| Dilution: | 1.0 | | | Dilution: | 1.0 |
| Date Analyzed: | 09/17/2009 1551 | | | Date Analyzed: | 09/17/2009 1557 |
| Date Prepared: | N/A | | | Date Prepared: | N/A |

| Analyte | LCS Spike Amount | LCSD Spike Amount | LCS Result/Qual | LCSD Result/Qual |
|---|---|---|---|---|
| Methanol | 5000 | 5000 | 5450 | 4740 |

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17320**

**Method: 8015B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5774-2 | Analysis Batch: | 460-17320 | Instrument ID: | BNAGC5 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | gc5f4080.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1 uL |
| Date Analyzed: | 09/17/2009 1604 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | N/A | | | Injection Volume: | 1 uL |
| | | | | Column ID: | PRIMARY |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 460-5774-2 | Analysis Batch: | 460-17320 | Instrument ID: | BNAGC5 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | gc5f4081.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1 uL |
| Date Analyzed: | 09/17/2009 1610 | | | Final Weight/Volume: | 10 mL |
| Date Prepared: | N/A | | | Injection Volume: | 1 uL |
| | | | | Column ID: | PRIMARY |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methanol | 80 | 80 | 60 - 145 | 0 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 96 | 104 | 52 - 122 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5774-1

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17320**

**Method: 8015B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5774-2 | Units: ug/L | MSD Lab Sample ID: | 460-5774-2 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 1.0 | | Dilution: | 1.0 | |
| Date Analyzed: | 09/17/2009 1604 | | Date Analyzed: | 09/17/2009 1610 | |
| Date Prepared: | N/A | | Date Prepared: | N/A | |

| Analyte | Sample Result/Qual | | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|---|
| Methanol | 500 | U | 5000 | 5000 | 3990 | 3990 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## DATA REPORTING QUALIFIERS

Client: ARCADIS Job Number: 460-5774-1

| Lab Section | Qualifier | Description |
|---|---|---|
| GC/MS VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |
| | F | MS/MSD Recovery or RPD exceeds the control limits |
| | J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| GC/MS Semi VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |
| | 4 | MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable. |
| | J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| | D | Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D. |
| GC VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |

Client: ARCADIS Job Number: 460-5774-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC/MS VOA** | | | | | |
| **Analysis Batch:460-17559** | | | | | |
| LCS 460-17559/3 | Lab Control Sample | T | Water | 8260B | |
| MB 460-17559/4 | Method Blank | T | Water | 8260B | |
| 460-5774-2 | MW-8SR | T | Water | 8260B | |
| 460-5774-2MS | Matrix Spike | T | Water | 8260B | |
| 460-5774-2MSD | Matrix Spike Duplicate | T | Water | 8260B | |
| 460-5774-10TB | Trip Blank 091609 | T | Water | 8260B | |
| **Analysis Batch:460-17748** | | | | | |
| LCS 460-17748/3 | Lab Control Sample | T | Water | 8260B | |
| MB 460-17748/4 | Method Blank | T | Water | 8260B | |
| 460-5737-B-3 MS | Matrix Spike | T | Water | 8260B | |
| 460-5737-B-3 MSD | Matrix Spike Duplicate | T | Water | 8260B | |
| 460-5774-1 | MW-27 | T | Water | 8260B | |
| 460-5774-4 | MW-3S | T | Water | 8260B | |
| 460-5774-5 | MW-30 | T | Water | 8260B | |
| 460-5774-6 | MW-1 | T | Water | 8260B | |
| 460-5774-7 | MW-33 | T | Water | 8260B | |
| 460-5774-8 | MW-28 | T | Water | 8260B | |
| 460-5774-9FD | DUP-091609 | T | Water | 8260B | |
| **Analysis Batch:460-17822** | | | | | |
| LCS 460-17822/3 | Lab Control Sample | T | Water | 8260B | |
| MB 460-17822/4 | Method Blank | T | Water | 8260B | |
| 460-5774-3 | MW-29 | T | Water | 8260B | |
| 460-5885-A-4 MS | Matrix Spike | T | Water | 8260B | |
| 460-5885-A-4 MSD | Matrix Spike Duplicate | T | Water | 8260B | |

**Report Basis**
T = Total

Client: ARCADIS Job Number: 460-5774-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC/MS Semi VOA** | | | | | |
| **Prep Batch: 460-17400** | | | | | |
| LCS 460-17400/2-A | Lab Control Sample | T | Water | 3510C | |
| MB 460-17400/1-A | Method Blank | T | Water | 3510C | |
| 460-5774-1 | MW-27 | T | Water | 3510C | |
| 460-5774-2 | MW-8SR | T | Water | 3510C | |
| 460-5774-2MS | Matrix Spike | T | Water | 3510C | |
| 460-5774-2MSD | Matrix Spike Duplicate | T | Water | 3510C | |
| 460-5774-3 | MW-29 | T | Water | 3510C | |
| 460-5774-4 | MW-3S | T | Water | 3510C | |
| 460-5774-5 | MW-30 | T | Water | 3510C | |
| 460-5774-6 | MW-1 | T | Water | 3510C | |
| 460-5774-7 | MW-33 | T | Water | 3510C | |
| 460-5774-8 | MW-28 | T | Water | 3510C | |
| 460-5774-9FD | DUP-091609 | T | Water | 3510C | |
| **Analysis Batch:460-17486** | | | | | |
| LCS 460-17400/2-A | Lab Control Sample | T | Water | 8270C | 460-17400 |
| 460-5774-1 | MW-27 | T | Water | 8270C | 460-17400 |
| 460-5774-2 | MW-8SR | T | Water | 8270C | 460-17400 |
| **Analysis Batch:460-17499** | | | | | |
| MB 460-17400/1-A | Method Blank | T | Water | 8270C | 460-17400 |
| 460-5774-2MS | Matrix Spike | T | Water | 8270C | 460-17400 |
| 460-5774-9FD | DUP-091609 | T | Water | 8270C | 460-17400 |
| **Analysis Batch:460-17531** | | | | | |
| 460-5774-2MSD | Matrix Spike Duplicate | T | Water | 8270C | 460-17400 |
| **Analysis Batch:460-17609** | | | | | |
| 460-5774-3 | MW-29 | T | Water | 8270C | 460-17400 |
| 460-5774-4 | MW-3S | T | Water | 8270C | 460-17400 |
| 460-5774-5 | MW-30 | T | Water | 8270C | 460-17400 |
| 460-5774-6 | MW-1 | T | Water | 8270C | 460-17400 |
| 460-5774-7 | MW-33 | T | Water | 8270C | 460-17400 |
| 460-5774-8 | MW-28 | T | Water | 8270C | 460-17400 |

**Report Basis**

T = Total

Client: ARCADIS Job Number: 460-5774-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC VOA** | | | | | |
| **Analysis Batch:460-17320** | | | | | |
| LCS 460-17320/4 | Lab Control Sample | T | Water | 8015B | |
| LCSD 460-17320/5 | Lab Control Sample Duplicate | T | Water | 8015B | |
| MB 460-17320/17 | Method Blank | T | Water | 8015B | |
| 460-5774-1 | MW-27 | T | Water | 8015B | |
| 460-5774-2 | MW-8SR | T | Water | 8015B | |
| 460-5774-2MS | Matrix Spike | T | Water | 8015B | |
| 460-5774-2MSD | Matrix Spike Duplicate | T | Water | 8015B | |
| 460-5774-3 | MW-29 | T | Water | 8015B | |
| 460-5774-4 | MW-3S | T | Water | 8015B | |
| 460-5774-5 | MW-30 | T | Water | 8015B | |
| **Analysis Batch:460-17321** | | | | | |
| 460-5774-6 | MW-1 | T | Water | 8015B | |
| 460-5774-7 | MW-33 | T | Water | 8015B | |
| 460-5774-8 | MW-28 | T | Water | 8015B | |
| 460-5774-9FD | DUP-091609 | T | Water | 8015B | |

**Report Basis**
T = Total

Client: ARCADIS Job Number: 460-5774-1

## Laboratory Chronicle

**Lab ID:** 460-5774-1 **Client ID:** MW-27

Sample Date/Time: 09/16/2009 14:45 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-C-1 | | 460-17748 | | 09/23/2009 16:12 | 1 | TAL EDI | SD |
| A:8260B | 460-5774-C-1 | | 460-17748 | | 09/23/2009 16:12 | 1 | TAL EDI | SD |
| P:3510C | 460-5774-H-1-A | | 460-17486 | 460-17400 | 09/18/2009 20:49 | 10 | TAL EDI | RG |
| A:8270C | 460-5774-H-1-A | | 460-17486 | 460-17400 | 09/20/2009 07:29 | 10 | TAL EDI | AS |
| A:8015B | 460-5774-F-1 | | 460-17320 | | 09/17/2009 16:22 | 1 | TAL EDI | HP |

**Lab ID:** 460-5774-2 **Client ID:** MW-8SR

Sample Date/Time: 09/16/2009 12:40 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-C-2 | | 460-17559 | | 09/22/2009 02:48 | 1 | TAL EDI | KB |
| A:8260B | 460-5774-C-2 | | 460-17559 | | 09/22/2009 02:48 | 1 | TAL EDI | KB |
| P:3510C | 460-5774-H-2-C | | 460-17486 | 460-17400 | 09/18/2009 20:49 | 20 | TAL EDI | RG |
| A:8270C | 460-5774-H-2-C | | 460-17486 | 460-17400 | 09/20/2009 06:17 | 20 | TAL EDI | AS |
| A:8015B | 460-5774-E-2 | | 460-17320 | | 09/17/2009 16:28 | 1 | TAL EDI | HP |

**Lab ID:** 460-5774-2 **Client ID:** MW-8SR

Sample Date/Time: 09/16/2009 12:40 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-C-2 MS | | 460-17559 | | 09/22/2009 08:00 | 1 | TAL EDI | KB |
| A:8260B | 460-5774-C-2 MS | | 460-17559 | | 09/22/2009 08:00 | 1 | TAL EDI | KB |
| P:3510C | 460-5774-H-2-A MS | | 460-17499 | 460-17400 | 09/18/2009 20:49 | 20 | TAL EDI | RG |
| A:8270C | 460-5774-H-2-A MS | | 460-17499 | 460-17400 | 09/21/2009 08:19 | 20 | TAL EDI | AS |
| A:8015B | 460-5774-E-2 MS | | 460-17320 | | 09/17/2009 16:04 | 1 | TAL EDI | HP |

**Lab ID:** 460-5774-2 **Client ID:** MW-8SR

Sample Date/Time: 09/16/2009 12:40 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-C-2 MSD | | 460-17559 | | 09/22/2009 08:25 | 1 | TAL EDI | KB |
| A:8260B | 460-5774-C-2 MSD | | 460-17559 | | 09/22/2009 08:25 | 1 | TAL EDI | KB |
| P:3510C | 460-5774-H-2-B MSD | | 460-17531 | 460-17400 | 09/18/2009 20:49 | 20 | TAL EDI | RG |
| A:8270C | 460-5774-H-2-B MSD | | 460-17531 | 460-17400 | 09/21/2009 22:09 | 20 | TAL EDI | AS |
| A:8015B | 460-5774-E-2 MSD | | 460-17320 | | 09/17/2009 16:10 | 1 | TAL EDI | HP |

Client: ARCADIS Job Number: 460-5774-1

## Laboratory Chronicle

**Lab ID: 460-5774-3** **Client ID: MW-29**

Sample Date/Time: 09/16/2009 11:55 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-B-3 | | 460-17822 | | 09/24/2009 03:25 | 1 | TAL EDI | KB |
| A:8260B | 460-5774-B-3 | | 460-17822 | | 09/24/2009 03:25 | 1 | TAL EDI | KB |
| P:3510C | 460-5774-H-3-A | | 460-17609 | 460-17400 | 09/18/2009 20:49 | 1 | TAL EDI | RG |
| A:8270C | 460-5774-H-3-A | | 460-17609 | 460-17400 | 09/19/2009 17:25 | 1 | TAL EDI | AAA |
| A:8015B | 460-5774-D-3 | | 460-17320 | | 09/17/2009 16:35 | 1 | TAL EDI | HP |

**Lab ID: 460-5774-4** **Client ID: MW-3S**

Sample Date/Time: 09/16/2009 11:10 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-B-4 | | 460-17748 | | 09/23/2009 14:06 | 1 | TAL EDI | SD |
| A:8260B | 460-5774-B-4 | | 460-17748 | | 09/23/2009 14:06 | 1 | TAL EDI | SD |
| P:3510C | 460-5774-H-4-A | | 460-17609 | 460-17400 | 09/18/2009 20:49 | 1 | TAL EDI | RG |
| A:8270C | 460-5774-H-4-A | | 460-17609 | 460-17400 | 09/19/2009 17:49 | 1 | TAL EDI | AAA |
| A:8015B | 460-5774-E-4 | | 460-17320 | | 09/17/2009 16:41 | 1 | TAL EDI | HP |

**Lab ID: 460-5774-5** **Client ID: MW-30**

Sample Date/Time: 09/16/2009 14:10 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-B-5 | | 460-17748 | | 09/23/2009 14:31 | 1 | TAL EDI | SD |
| A:8260B | 460-5774-B-5 | | 460-17748 | | 09/23/2009 14:31 | 1 | TAL EDI | SD |
| P:3510C | 460-5774-H-5-A | | 460-17609 | 460-17400 | 09/18/2009 20:49 | 1 | TAL EDI | RG |
| A:8270C | 460-5774-H-5-A | | 460-17609 | 460-17400 | 09/19/2009 18:13 | 1 | TAL EDI | AAA |
| A:8015B | 460-5774-D-5 | | 460-17320 | | 09/17/2009 16:47 | 1 | TAL EDI | HP |

**Lab ID: 460-5774-6** **Client ID: MW-1**

Sample Date/Time: 09/16/2009 09:45 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-B-6 | | 460-17748 | | 09/23/2009 14:56 | 1 | TAL EDI | SD |
| A:8260B | 460-5774-B-6 | | 460-17748 | | 09/23/2009 14:56 | 1 | TAL EDI | SD |
| P:3510C | 460-5774-H-6-A | | 460-17609 | 460-17400 | 09/18/2009 20:49 | 1 | TAL EDI | RG |
| A:8270C | 460-5774-H-6-A | | 460-17609 | 460-17400 | 09/19/2009 18:38 | 1 | TAL EDI | AAA |
| A:8015B | 460-5774-E-6 | | 460-17321 | | 09/17/2009 17:30 | 1 | TAL EDI | HP |

Client: ARCADIS Job Number: 460-5774-1

## Laboratory Chronicle

**Lab ID:** 460-5774-7 **Client ID:** MW-33

Sample Date/Time: 09/16/2009 09:40 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-B-7 | | 460-17748 | | 09/23/2009 15:21 | 1 | TAL EDI | SD |
| A:8260B | 460-5774-B-7 | | 460-17748 | | 09/23/2009 15:21 | 1 | TAL EDI | SD |
| P:3510C | 460-5774-H-7-A | | 460-17609 | 460-17400 | 09/18/2009 20:49 | 1 | TAL EDI | RG |
| A:8270C | 460-5774-H-7-A | | 460-17609 | 460-17400 | 09/19/2009 19:02 | 1 | TAL EDI | AAA |
| A:8015B | 460-5774-F-7 | | 460-17321 | | 09/17/2009 17:37 | 1 | TAL EDI | HP |

**Lab ID:** 460-5774-8 **Client ID:** MW-28

Sample Date/Time: 09/16/2009 15:55 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-B-8 | | 460-17748 | | 09/23/2009 15:47 | 1 | TAL EDI | SD |
| A:8260B | 460-5774-B-8 | | 460-17748 | | 09/23/2009 15:47 | 1 | TAL EDI | SD |
| P:3510C | 460-5774-H-8-A | | 460-17609 | 460-17400 | 09/18/2009 20:49 | 1 | TAL EDI | RG |
| A:8270C | 460-5774-H-8-A | | 460-17609 | 460-17400 | 09/19/2009 19:26 | 1 | TAL EDI | AAA |
| A:8015B | 460-5774-E-8 | | 460-17321 | | 09/17/2009 17:43 | 1 | TAL EDI | HP |

**Lab ID:** 460-5774-9 **Client ID:** DUP-091609

Sample Date/Time: 09/16/2009 00:00 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-B-9 | | 460-17748 | | 09/23/2009 17:03 | 1 | TAL EDI | SD |
| A:8260B | 460-5774-B-9 | | 460-17748 | | 09/23/2009 17:03 | 1 | TAL EDI | SD |
| P:3510C | 460-5774-H-9-A | | 460-17499 | 460-17400 | 09/18/2009 20:49 | 20 | TAL EDI | RG |
| A:8270C | 460-5774-H-9-A | | 460-17499 | 460-17400 | 09/21/2009 11:35 | 20 | TAL EDI | AS |
| A:8015B | 460-5774-D-9 | | 460-17321 | | 09/17/2009 17:49 | 1 | TAL EDI | HP |

**Lab ID:** 460-5774-10 **Client ID:** Trip Blank 091609

Sample Date/Time: 09/16/2009 00:00 Received Date/Time: 09/17/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5774-C-10 | | 460-17559 | | 09/22/2009 02:22 | 1 | TAL EDI | KB |
| A:8260B | 460-5774-C-10 | | 460-17559 | | 09/22/2009 02:22 | 1 | TAL EDI | KB |

Client: ARCADIS Job Number: 460-5774-1

## Laboratory Chronicle

**Lab ID:** MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | MB 460-17559/4 | | 460-17559 | | 09/22/2009 00:40 | 1 | TAL EDI | KB |
| A:8260B | MB 460-17559/4 | | 460-17559 | | 09/22/2009 00:40 | 1 | TAL EDI | KB |
| P:5030B | MB 460-17748/4 | | 460-17748 | | 09/23/2009 10:07 | 1 | TAL EDI | SD |
| A:8260B | MB 460-17748/4 | | 460-17748 | | 09/23/2009 10:07 | 1 | TAL EDI | SD |
| P:5030B | MB 460-17822/4 | | 460-17822 | | 09/23/2009 21:37 | 1 | TAL EDI | KB |
| A:8260B | MB 460-17822/4 | | 460-17822 | | 09/23/2009 21:37 | 1 | TAL EDI | KB |
| P:3510C | MB 460-17400/1-A | | 460-17499 | 460-17400 | 09/18/2009 20:49 | 1 | TAL EDI | RG |
| A:8270C | MB 460-17400/1-A | | 460-17499 | 460-17400 | 09/21/2009 07:54 | 1 | TAL EDI | AS |
| A:8015B | MB 460-17320/17 | | 460-17320 | | 09/17/2009 17:06 | 1 | TAL EDI | HP |

**Lab ID:** LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | LCS 460-17559/3 | | 460-17559 | | 09/21/2009 23:04 | 1 | TAL EDI | KB |
| A:8260B | LCS 460-17559/3 | | 460-17559 | | 09/21/2009 23:04 | 1 | TAL EDI | KB |
| P:5030B | LCS 460-17748/3 | | 460-17748 | | 09/23/2009 09:16 | 1 | TAL EDI | SD |
| A:8260B | LCS 460-17748/3 | | 460-17748 | | 09/23/2009 09:16 | 1 | TAL EDI | SD |
| P:5030B | LCS 460-17822/3 | | 460-17822 | | 09/23/2009 20:46 | 1 | TAL EDI | KB |
| A:8260B | LCS 460-17822/3 | | 460-17822 | | 09/23/2009 20:46 | 1 | TAL EDI | KB |
| P:3510C | LCS 460-17400/2-A | | 460-17486 | 460-17400 | 09/18/2009 20:49 | 1 | TAL EDI | RG |
| A:8270C | LCS 460-17400/2-A | | 460-17486 | 460-17400 | 09/20/2009 05:53 | 1 | TAL EDI | AS |
| A:8015B | LCS 460-17320/4 | | 460-17320 | | 09/17/2009 15:51 | 1 | TAL EDI | HP |

**Lab ID:** LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| A:8015B | LCSD 460-17320/5 | | 460-17320 | | 09/17/2009 15:57 | 1 | TAL EDI | HP |

**Lab ID:** MS **Client ID:** N/A

Sample Date/Time: N/A 09/16/2009 10:05 Received Date/Time: N/A 09/16/2009 17:05

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5737-B-3 MS | | 460-17748 | | 09/23/2009 11:58 | 20 | TAL EDI | SD |
| A:8260B | 460-5737-B-3 MS | | 460-17748 | | 09/23/2009 11:58 | 20 | TAL EDI | SD |
| P:5030B | 460-5885-A-4 MS | | 460-17822 | | 09/24/2009 01:18 | 1 | TAL EDI | KB |
| A:8260B | 460-5885-A-4 MS | | 460-17822 | | 09/24/2009 01:18 | 1 | TAL EDI | KB |

Client: ARCADIS Job Number: 460-5774-1

## Laboratory Chronicle

**Lab ID:** **MSD** **Client ID:** **N/A**

Sample Date/Time: N/A 09/16/2009 10:05 Received Date/Time: N/A 09/16/2009 17:05

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5737-B-3 MSD | | 460-17748 | | 09/23/2009 12:24 | 20 | TAL EDI | SD |
| A:8260B | 460-5737-B-3 MSD | | 460-17748 | | 09/23/2009 12:24 | 20 | TAL EDI | SD |
| P:5030B | 460-5885-A-4 MSD | | 460-17822 | | 09/24/2009 01:44 | 1 | TAL EDI | KB |
| A:8260B | 460-5885-A-4 MSD | | 460-17822 | | 09/24/2009 01:44 | 1 | TAL EDI | KB |

**Lab References:**
TAL EDI = TestAmerica Edison

# GC/MS VOA

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

| Client Sample ID | Lab Sample ID | DCA # | TOL # | BFB # |
|---|---|---|---|---|
| MW-27 | 460-5774-1 | 92 | 92 | 98 |
| MW-8SR | 460-5774-2 | 92 | 92 | 98 |
| MW-29 | 460-5774-3 | 93 | 93 | 99 |
| MW-3S | 460-5774-4 | 91 | 91 | 97 |
| MW-30 | 460-5774-5 | 92 | 93 | 97 |
| MW-1 | 460-5774-6 | 94 | 93 | 97 |
| MW-33 | 460-5774-7 | 93 | 93 | 99 |
| MW-28 | 460-5774-8 | 96 | 93 | 99 |
| DUP-091609 | 460-5774-9 | 92 | 91 | 99 |
| Trip Blank 091609 | 460-5774-10 | 92 | 92 | 100 |
| | MB 460-17559/4 | 93 | 90 | 98 |
| | MB 460-17748/4 | 93 | 92 | 98 |
| | MB 460-17822/4 | 95 | 94 | 100 |
| | LCS 460-17559/3 | 91 | 94 | 99 |
| | LCS 460-17748/3 | 94 | 94 | 100 |
| | LCS 460-17822/3 | 94 | 94 | 100 |
| MW-8SR MS | 460-5774-2 MS | 85 | 86 | 92 |
| | 460-5737-B-3 MS | 92 | 93 | 99 |
| | 460-5885-A-4 MS | 92 | 93 | 99 |
| MW-8SR MSD | 460-5774-2 MSD | 101 | 103 | 109 |
| | 460-5737-B-3 MSD | 113 | 108 | 114 |
| | 460-5885-A-4 MSD | 97 | 92 | 99 |

| | QC LIMITS |
|---|---|
| DCA = 1,2-Dichloroethane-d4 (Surr) | 70-122 |
| TOL = Toluene-d8 (Surr) | 69-125 |
| BFB = Bromofluorobenzene | 69-135 |

# Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: p31190.d

Lab ID: LCS 460-17559/3 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 18.6 | 93 | 79-119 | |
| Acetone | 20.0 | 19.3 | 97 | 45-156 | |
| Trichloroethene | 20.0 | 17.4 | 87 | 78-119 | |
| Benzene | 20.0 | 17.8 | 89 | 83-124 | |
| Toluene | 20.0 | 17.4 | 87 | 80-120 | |
| Ethylbenzene | 20.0 | 16.9 | 84 | 79-126 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: p31234.d

Lab ID: LCS 460-17748/3 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 19.8 | 99 | 79-119 | |
| Acetone | 20.0 | 24.9 | 124 | 45-156 | |
| Trichloroethene | 20.0 | 18.3 | 91 | 78-119 | |
| Benzene | 20.0 | 19.1 | 95 | 83-124 | |
| Toluene | 20.0 | 18.3 | 92 | 80-120 | |
| Ethylbenzene | 20.0 | 18.4 | 92 | 79-126 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: p31259.d

Lab ID: LCS 460-17822/3 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 20.7 | 104 | 79-119 | |
| Acetone | 20.0 | 24.3 | 121 | 45-156 | |
| Trichloroethene | 20.0 | 19.9 | 100 | 78-119 | |
| Benzene | 20.0 | 20.1 | 101 | 83-124 | |
| Toluene | 20.0 | 20.2 | 101 | 80-120 | |
| Ethylbenzene | 20.0 | 20.7 | 103 | 79-126 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: p31199.d

Lab ID: 460-5774-2 MS Client ID: MW-8SR MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 1.0 U | 16.4 | 82 | 79-119 | |
| Acetone | 20.0 | 10 U | 29.4 | 147 | 45-156 | |
| Trichloroethene | 20.0 | 1.0 U | 15.2 | 76 | 78-119 | F |
| Benzene | 20.0 | 8.5 | 23.0 | 73 | 83-124 | F |
| Toluene | 20.0 | 6.8 | 21.1 | 72 | 80-120 | F |
| Ethylbenzene | 20.0 | 44 | 55.5 | 60 | 79-126 | F |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: p31240.d

Lab ID: 460-5737-B-3 MS Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methylene Chloride | 400 | 20 U | 405 | 101 | 79-119 | |
| Acetone | 400 | 200 U | 536 | 134 | 45-156 | |
| Trichloroethene | 400 | 43 | 424 | 95 | 78-119 | |
| Benzene | 400 | 20 U | 399 | 100 | 83-124 | |
| Toluene | 400 | 20 U | 385 | 96 | 80-120 | |
| Ethylbenzene | 400 | 20 U | 391 | 98 | 79-126 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: p31268.d

Lab ID: 460-5885-A-4 MS Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 1.0 U | 20.0 | 100 | 79-119 | |
| Acetone | 20.0 | 10 U | 20.5 | 103 | 45-156 | |
| Trichloroethene | 20.0 | 36 | 51.1 | 77 | 78-119 | F |
| Benzene | 20.0 | 1.0 U | 18.8 | 94 | 83-124 | |
| Toluene | 20.0 | 1.0 U | 18.5 | 93 | 80-120 | |
| Ethylbenzene | 20.0 | 1.0 U | 19.1 | 95 | 79-126 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: p31200.d

Lab ID: 460-5774-2 MSD Client ID: MW-8SR MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 21.0 | 105 | 25 | 30 | 79-119 | |
| Acetone | 20.0 | 33.5 | 167 | 13 | 30 | 45-156 | F |
| Trichloroethene | 20.0 | 18.6 | 93 | 20 | 30 | 78-119 | |
| Benzene | 20.0 | 27.7 | 96 | 18 | 30 | 83-124 | |
| Toluene | 20.0 | 24.7 | 90 | 15 | 30 | 80-120 | |
| Ethylbenzene | 20.0 | 58.5 | 75 | 5 | 30 | 79-126 | F |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: p31241.d

Lab ID: 460-5737-B-3 MSD Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 400 | 386 | 97 | 5 | 30 | 79-119 | |
| Acetone | 400 | 538 | 135 | 0 | 30 | 45-156 | |
| Trichloroethene | 400 | 409 | 92 | 4 | 30 | 78-119 | |
| Benzene | 400 | 415 | 104 | 4 | 30 | 83-124 | |
| Toluene | 400 | 369 | 92 | 4 | 30 | 80-120 | |
| Ethylbenzene | 400 | 375 | 94 | 4 | 30 | 79-126 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: p31269.d

Lab ID: 460-5885-A-4 MSD Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 19.7 | 99 | 1 | 30 | 79-119 | |
| Acetone | 20.0 | 18.6 | 93 | 10 | 30 | 45-156 | |
| Trichloroethene | 20.0 | 51.7 | 81 | 1 | 30 | 78-119 | |
| Benzene | 20.0 | 19.1 | 95 | 1 | 30 | 83-124 | |
| Toluene | 20.0 | 18.6 | 93 | 1 | 30 | 80-120 | |
| Ethylbenzene | 20.0 | 19.1 | 96 | 0 | 30 | 79-126 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: p31193.d Lab Sample ID: MB 460-17559/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VOAMS13 Date Analyzed: 09/22/2009 00:40

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 460-17559/3 | p31190.d | 09/21/2009 23:04 |
| Trip Blank 091609 | 460-5774-10 | p31197.d | 09/22/2009 02:22 |
| MW-8SR | 460-5774-2 | p31198.d | 09/22/2009 02:48 |
| MW-8SR MS | 460-5774-2 MS | p31199.d | 09/22/2009 08:00 |
| MW-8SR MSD | 460-5774-2 MSD | p31200.d | 09/22/2009 08:25 |

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: p31236.d Lab Sample ID: MB 460-17748/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VOAMS13 Date Analyzed: 09/23/2009 10:07

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 460-17748/3 | p31234.d | 09/23/2009 09:16 |
| | 460-5737-B-3 MS | p31240.d | 09/23/2009 11:58 |
| | 460-5737-B-3 MSD | p31241.d | 09/23/2009 12:24 |
| MW-3S | 460-5774-4 | p31245.d | 09/23/2009 14:06 |
| MW-30 | 460-5774-5 | p31246.d | 09/23/2009 14:31 |
| MW-1 | 460-5774-6 | p31247.d | 09/23/2009 14:56 |
| MW-33 | 460-5774-7 | p31248.d | 09/23/2009 15:21 |
| MW-28 | 460-5774-8 | p31249.d | 09/23/2009 15:47 |
| MW-27 | 460-5774-1 | p31250.d | 09/23/2009 16:12 |
| DUP-091609 | 460-5774-9 | p31252.d | 09/23/2009 17:03 |

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: p31261.d Lab Sample ID: MB 460-17822/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VOAMS13 Date Analyzed: 09/23/2009 21:37

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 460-17822/3 | p31259.d | 09/23/2009 20:46 |
| | 460-5885-A-4 MS | p31268.d | 09/24/2009 01:18 |
| | 460-5885-A-4 MSD | p31269.d | 09/24/2009 01:44 |
| MW-29 | 460-5774-3 | p31273.d | 09/24/2009 03:25 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: p31034.d BFB Injection Date: 09/17/2009

Instrument ID: VOAMS13 BFB Injection Time: 08:02

Analysis Batch No.: 17263

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 18.1 | |
| 75 | 30.0 - 60.0 % of mass 95 | 48.3 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 7.6 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 78.3 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.3 | (8.1)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 77.2 | (98.6)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.3 | (6.9)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | IC 460-17263/2 | p31035.d | 09/17/2009 | 08:13 |
| | IC 460-17263/3 | p31037.d | 09/17/2009 | 09:04 |
| | IC 460-17263/4 | p31040.d | 09/17/2009 | 10:20 |
| | IC 460-17263/5 | p31041.d | 09/17/2009 | 10:45 |
| | IC 460-17263/6 | p31042.d | 09/17/2009 | 11:10 |
| | ICIS 460-17263/7 | p31045.d | 09/17/2009 | 12:26 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: p31187.d BFB Injection Date: 09/21/2009

Instrument ID: VOAMS13 BFB Injection Time: 21:52

Analysis Batch No.: 17559

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 16.5 | |
| 75 | 30.0 - 60.0 % of mass 95 | 48.1 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.9 | |
| 173 | Less than 2.0 % of mass 174 | 0.4 | (0.5)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 82.8 | |
| 175 | 5.0 - 9.0 % of mass 174 | 4.8 | (5.7)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 82.0 | (99.0)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.2 | (6.3)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17559/2 | p31189.d | 09/21/2009 | 22:39 |
| | LCS 460-17559/3 | p31190.d | 09/21/2009 | 23:04 |
| | MB 460-17559/4 | p31193.d | 09/22/2009 | 00:40 |
| Trip Blank 091609 | 460-5774-10 | p31197.d | 09/22/2009 | 02:22 |
| MW-8SR | 460-5774-2 | p31198.d | 09/22/2009 | 02:48 |
| MW-8SR MS | 460-5774-2 MS | p31199.d | 09/22/2009 | 08:00 |
| MW-8SR MSD | 460-5774-2 MSD | p31200.d | 09/22/2009 | 08:25 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: p31231.d BFB Injection Date: 09/23/2009

Instrument ID: VOAMS13 BFB Injection Time: 07:47

Analysis Batch No.: 17748

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 17.2 | |
| 75 | 30.0 - 60.0 % of mass 95 | 45.8 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.0 | |
| 173 | Less than 2.0 % of mass 174 | 0.2 | (0.3)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 73.0 | |
| 175 | 5.0 - 9.0 % of mass 174 | 5.9 | (8.1)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 69.8 | (95.6)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 4.8 | (6.9)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17748/2 | p31233.d | 09/23/2009 | 08:39 |
| | LCS 460-17748/3 | p31234.d | 09/23/2009 | 09:16 |
| | MB 460-17748/4 | p31236.d | 09/23/2009 | 10:07 |
| | 460-5737-B-3 MS | p31240.d | 09/23/2009 | 11:58 |
| | 460-5737-B-3 MSD | p31241.d | 09/23/2009 | 12:24 |
| MW-3S | 460-5774-4 | p31245.d | 09/23/2009 | 14:06 |
| MW-30 | 460-5774-5 | p31246.d | 09/23/2009 | 14:31 |
| MW-1 | 460-5774-6 | p31247.d | 09/23/2009 | 14:56 |
| MW-33 | 460-5774-7 | p31248.d | 09/23/2009 | 15:21 |
| MW-28 | 460-5774-8 | p31249.d | 09/23/2009 | 15:47 |
| MW-27 | 460-5774-1 | p31250.d | 09/23/2009 | 16:12 |
| DUP-091609 | 460-5774-9 | p31252.d | 09/23/2009 | 17:03 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: p31256.d BFB Injection Date: 09/23/2009

Instrument ID: VOAMS13 BFB Injection Time: 19:35

Analysis Batch No.: 17822

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 18.6 | |
| 75 | 30.0 - 60.0 % of mass 95 | 48.9 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.1 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 78.1 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.1 | (7.8)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 74.3 | (95.2)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.1 | (6.8)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17822/2 | p31258.d | 09/23/2009 | 20:21 |
| | LCS 460-17822/3 | p31259.d | 09/23/2009 | 20:46 |
| | MB 460-17822/4 | p31261.d | 09/23/2009 | 21:37 |
| | 460-5885-A-4 MS | p31268.d | 09/24/2009 | 01:18 |
| | 460-5885-A-4 MSD | p31269.d | 09/24/2009 | 01:44 |
| MW-29 | 460-5774-3 | p31273.d | 09/24/2009 | 03:25 |

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Sample No.: CCVIS 460-17559/2 Date Analyzed: 09/21/2009 22:39

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): p31189.d Heated Purge: (Y/N) N

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 1058300 | 3.23 | 755603 | 6.50 | 405470 | 9.67 |
| UPPER LIMIT | | 2116600 | 3.73 | 1511206 | 7.00 | 810940 | 10.17 |
| LOWER LIMIT | | 529150 | 2.73 | 377802 | 6.00 | 202735 | 9.17 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17559/3 | | 1039979 | 3.23 | 757328 | 6.50 | 403091 | 9.67 |
| MB 460-17559/4 | | 1016043 | 3.23 | 746101 | 6.50 | 384799 | 9.67 |
| 460-5774-10 | Trip Blank 091609 | 971937 | 3.23 | 708608 | 6.50 | 366017 | 9.67 |
| 460-5774-2 | MW-8SR | 971530 | 3.23 | 709665 | 6.50 | 375305 | 9.67 |
| 460-5774-2 MS | MW-8SR MS | 1029887 | 3.23 | 749638 | 6.50 | 402161 | 9.67 |
| 460-5774-2 MSD | MW-8SR MSD | 1055744 | 3.23 | 775380 | 6.50 | 405007 | 9.67 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Sample No.: CCVIS 460-17748/2 Date Analyzed: 09/23/2009 08:39

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): p31233.d Heated Purge: (Y/N) N

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 1110636 | 3.23 | 797012 | 6.50 | 420304 | 9.67 |
| UPPER LIMIT | | 2221272 | 3.73 | 1594024 | 7.00 | 840608 | 10.17 |
| LOWER LIMIT | | 555318 | 2.73 | 398506 | 6.00 | 210152 | 9.17 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17748/3 | | 1115286 | 3.23 | 803951 | 6.50 | 425694 | 9.67 |
| MB 460-17748/4 | | 1083611 | 3.23 | 787405 | 6.50 | 412312 | 9.67 |
| 460-5737-B-3 MS | | 1032125 | 3.23 | 745974 | 6.50 | 393684 | 9.67 |
| 460-5737-B-3 MSD | | 1038848 | 3.23 | 760352 | 6.50 | 409307 | 9.67 |
| 460-5774-4 | MW-3S | 1030311 | 3.23 | 748395 | 6.50 | 392208 | 9.67 |
| 460-5774-5 | MW-30 | 992676 | 3.23 | 704718 | 6.50 | 374783 | 9.67 |
| 460-5774-6 | MW-1 | 982022 | 3.23 | 712237 | 6.50 | 376587 | 9.67 |
| 460-5774-7 | MW-33 | 973572 | 3.23 | 707341 | 6.50 | 372664 | 9.67 |
| 460-5774-8 | MW-28 | 931812 | 3.23 | 717152 | 6.50 | 362259 | 9.67 |
| 460-5774-1 | MW-27 | 968635 | 3.23 | 706280 | 6.50 | 372577 | 9.67 |
| 460-5774-9 | DUP-091609 | 1000276 | 3.23 | 739916 | 6.50 | 388455 | 9.67 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Sample No.: CCVIS 460-17822/2 Date Analyzed: 09/23/2009 20:21

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): p31258.d Heated Purge: (Y/N) N

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 993134 | 3.23 | 717879 | 6.50 | 383628 | 9.67 |
| UPPER LIMIT | | 1986268 | 3.73 | 1435758 | 7.00 | 767256 | 10.17 |
| LOWER LIMIT | | 496567 | 2.73 | 358940 | 6.00 | 191814 | 9.17 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17822/3 | | 1003351 | 3.23 | 739347 | 6.50 | 394740 | 9.67 |
| MB 460-17822/4 | | 992193 | 3.23 | 725219 | 6.50 | 379754 | 9.67 |
| 460-5885-A-4 MS | | 1035135 | 3.23 | 760236 | 6.50 | 403889 | 9.67 |
| 460-5885-A-4 MSD | | 1035101 | 3.23 | 777519 | 6.50 | 410479 | 9.67 |
| 460-5774-3 | MW-29 | 1001844 | 3.23 | 725011 | 6.50 | 382760 | 9.67 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-27  Lab Sample ID: 460-5774-1

Matrix: Water  Lab File ID: p31250.d

Analysis Method: 8260B  Date Collected: 09/16/2009 14:45

Sample wt/vol: 5(mL)  Date Analyzed: 09/23/2009 16:12

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: DB-624  ID: 0.18(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17748  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 6.2 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 6.9 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 5.9 | | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 98 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 92 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31250.d
Report Date: 24-Sep-2009 14:59

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31250.d
Lab Smp Id: 460-5774-C-1 Client Smp ID: MW-27
Inj Date : 23-SEP-2009 16:12
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5774-C-1
Misc Info : 460-5774-C-1
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 4 Vinyl Chloride | 62 | 0.837 | 0.845 | (0.259) | 2587 | 0.61710 | 0.62(a) |
| | 16 Acetone | 58 | 1.625 | 1.625 | (0.503) | 3500 | 10.1858 | 10 |
| | 18 Carbon Disulfide | 76 | 1.325 | 1.317 | (0.410) | 15970 | 1.10119 | 1.1 |
| | 24 TBA | 59 | 1.797 | 1.812 | (0.556) | 2563 | 5.94697 | 5.9(a) |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 1213 | 0.26811 | 0.27(a) |
| | 28 MTBE | 73 | 1.740 | 1.733 | (0.539) | 6160 | 0.44913 | 0.45(a) |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 4057 | 0.50451 | 0.50(a) |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 15202 | 9.80834 | 9.8 |
| | 44 Cyclohexane | 56 | 2.449 | 2.442 | (0.758) | 12884 | 1.77462 | 1.8 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 194221 | 45.9488 | 46 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 110979 | 6.21393 | 6.2 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 968635 | 50.0000 | |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 3524 | 0.46496 | 0.46(a) |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 638607 | 46.2419 | 46 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.729) | 137603 | 6.93978 | 6.9 |
| * | 78 Chlorobenzene-d5 | 117 | 6.503 | 6.503 | (1.000) | 706280 | 50.0000 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31250.d
Report Date: 24-Sep-2009 14:59

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 79 Chlorobenzene | 112 | 6.518 | 6.518 | (1.002) | 948544 | 77.9002 | 78 |
| | 81 Ethylbenzene | 106 | 6.611 | 6.611 | (1.017) | 38069 | 5.90766 | 5.9 |
| | 82 m+p-Xylene | 106 | 6.819 | 6.819 | (1.048) | 71788 | 8.81617 | 8.8 |
| | 84 o-Xylene | 106 | 7.399 | 7.399 | (1.138) | 115372 | 15.1455 | 15 |
| | 88 Isopropylbenzene | 105 | 7.879 | 7.879 | (1.211) | 24941 | 1.28275 | 1.3 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 241602 | 48.8659 | 49 |
| | 95 n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 30058 | 1.24933 | 1.2 |
| | 97 1,3,5-Trimethylbenzene | 105 | 8.824 | 8.831 | (0.913) | 5950 | 0.36755 | 0.37(a) |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.290 | 9.297 | (0.961) | 25914 | 1.53640 | 1.5 |
| | 103 sec-Butylbenzene | 105 | 9.404 | 9.412 | (0.973) | 13467 | 0.62598 | 0.62(a) |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.669 | (1.000) | 372577 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 13894 | 1.32776 | 1.3 |
| | 106 n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 7801 | 0.45786 | 0.46(a) |
| | 111 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 39922 | 4.05629 | 4.0 |
| | 116 Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 53698 | 2.86623 | 2.9 |
| M | 121 Xylene (Total) | 100 | | | | 187160 | 23.4898 | 23 |

QC Flag Legend

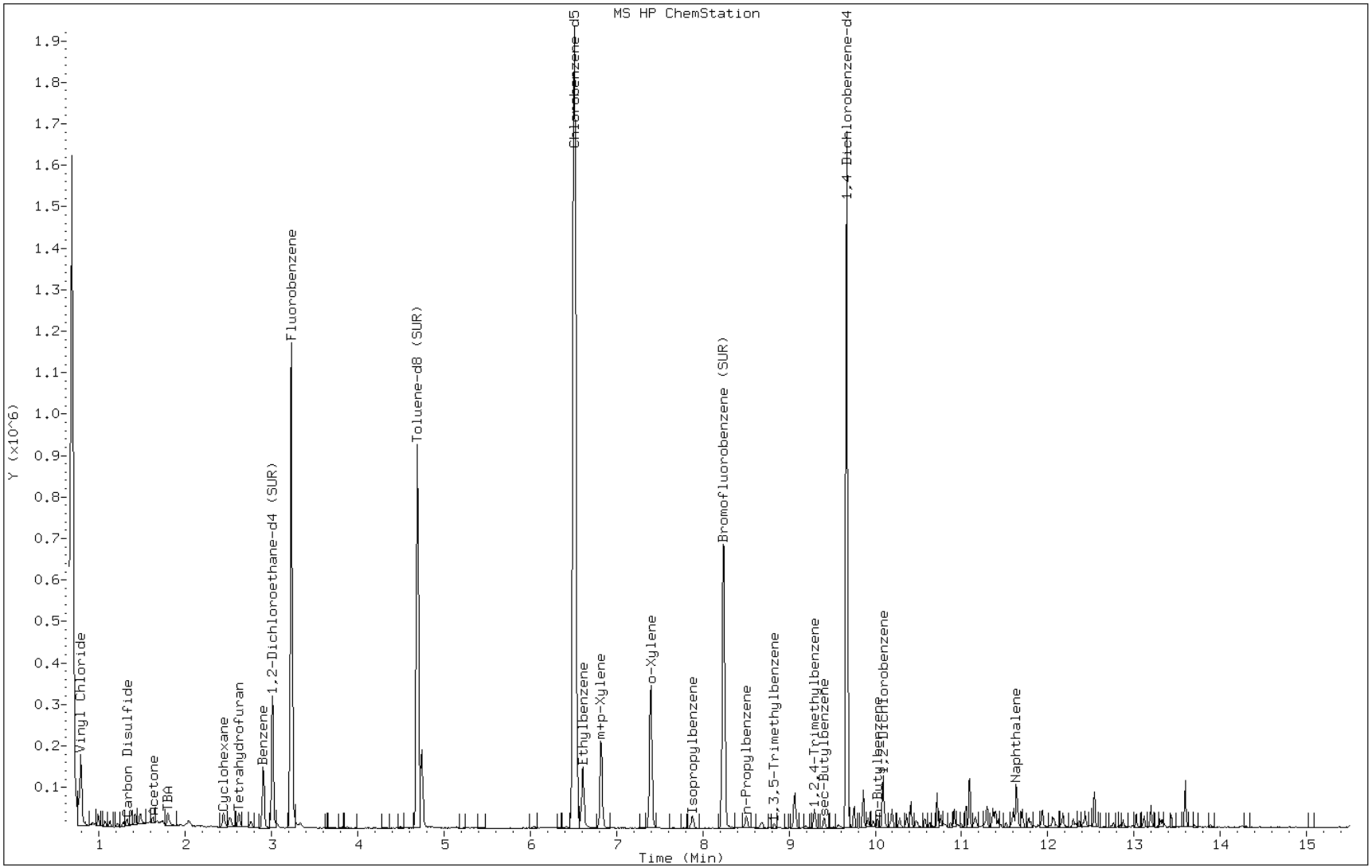
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: p31250.d

Date: 23-SEP-2009 16:12

Client ID: MW-27 Instrument: VOAMS13.i

Sample Info: 460-5774-C-1 Operator:



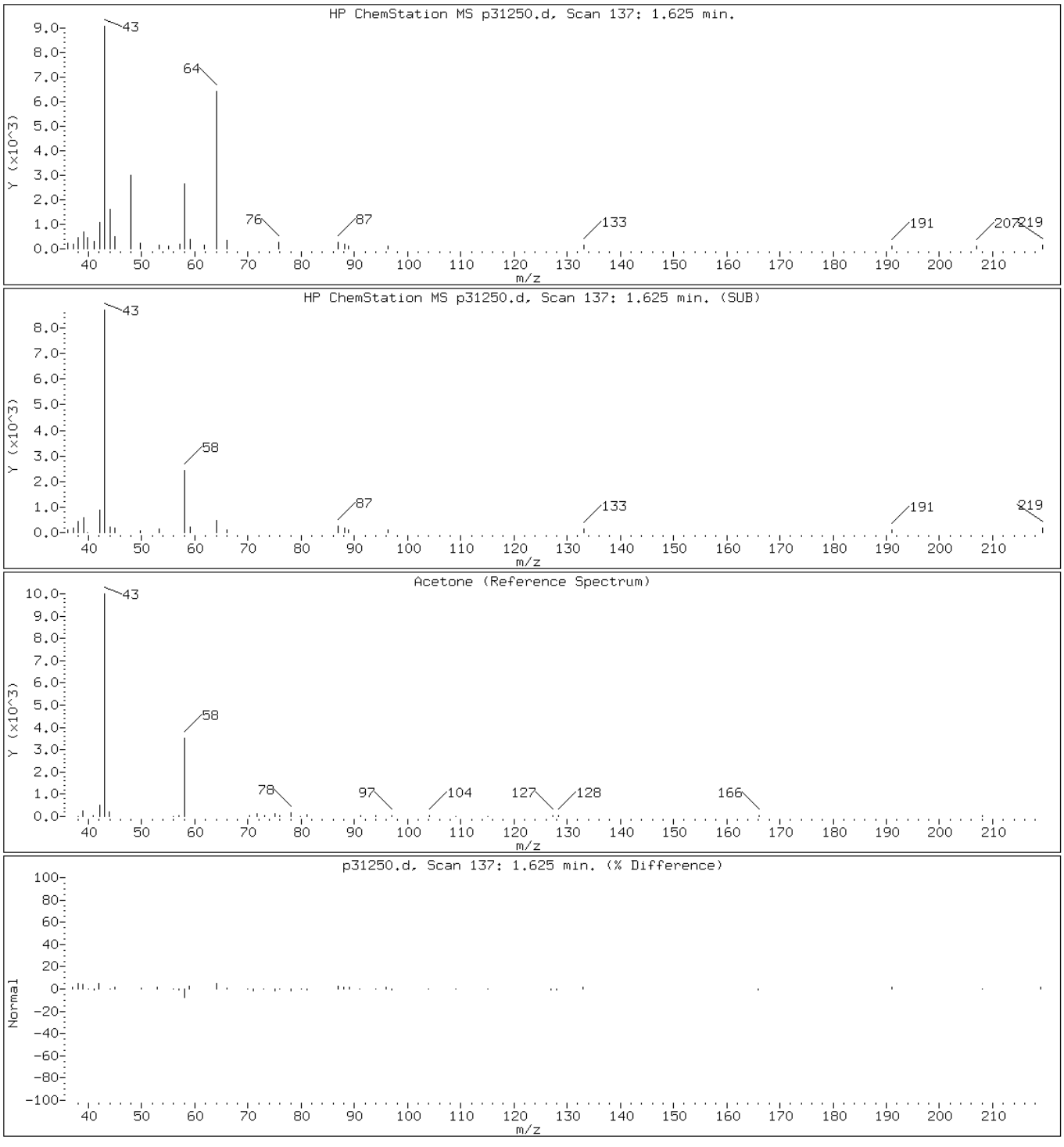
Data File: p31250.d

Date: 23-SEP-2009 16:12

Client ID: MW-27 Instrument: VOAMS13.i

Sample Info: 460-5774-C-1 Operator:

16 Acetone



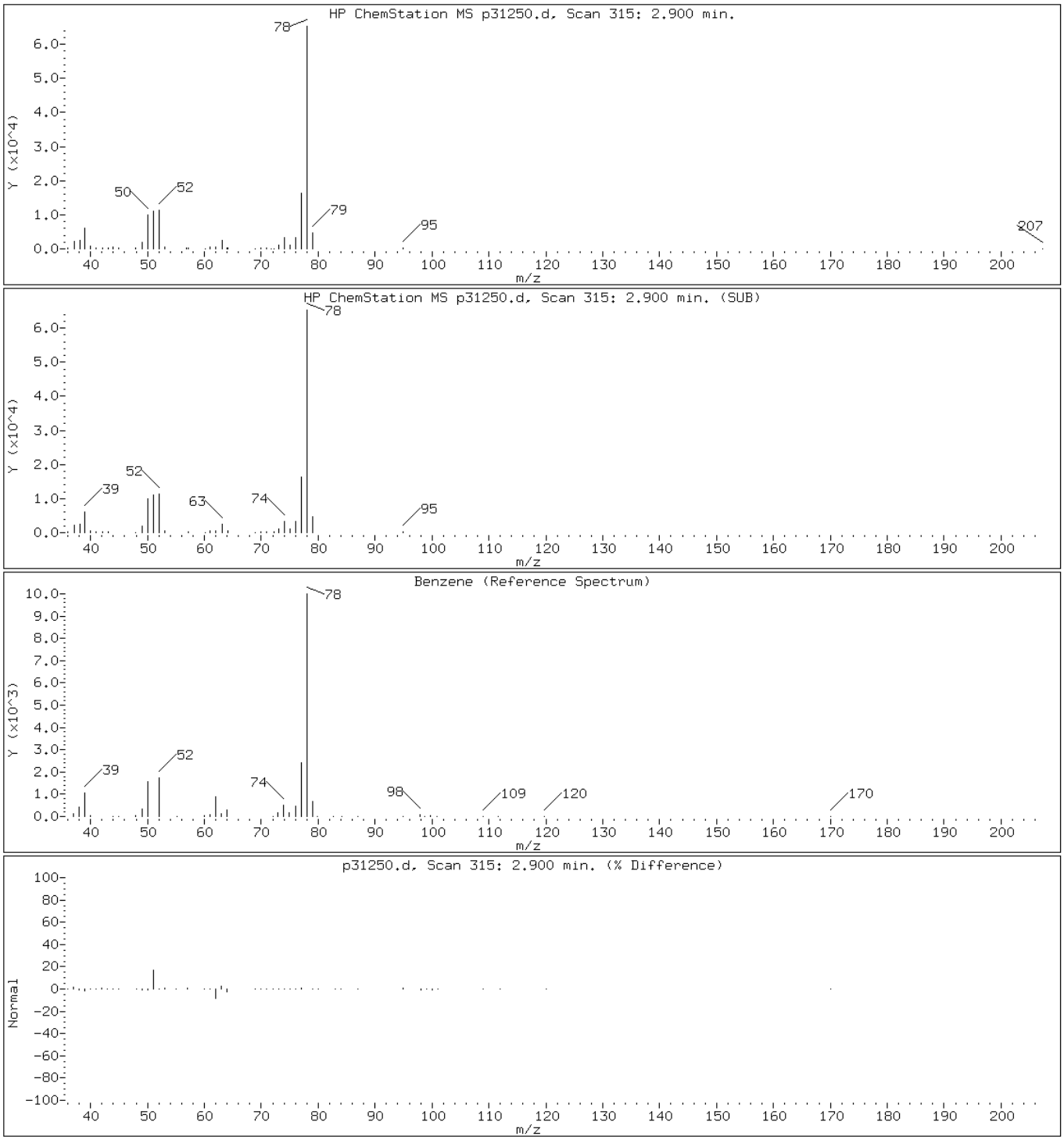
Data File: p31250.d

Date: 23-SEP-2009 16:12

Client ID: MW-27 Instrument: VOAMS13.i

Sample Info: 460-5774-C-1 Operator:

48 Benzene



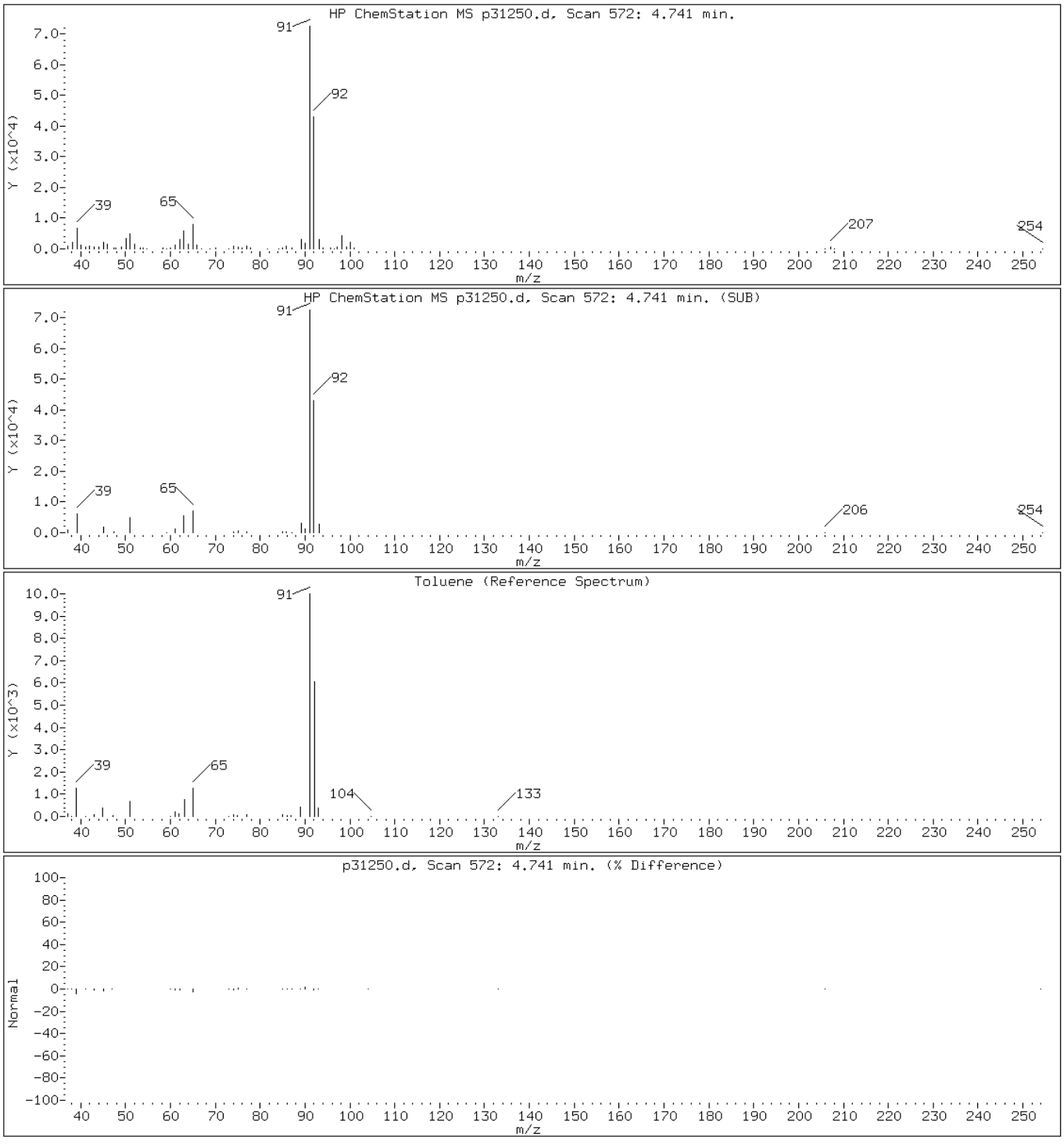
Data File: p31250.d

Date: 23-SEP-2009 16:12

Client ID: MW-27 Instrument: VOAMS13.i

Sample Info: 460-5774-C-1 Operator:

66 Toluene



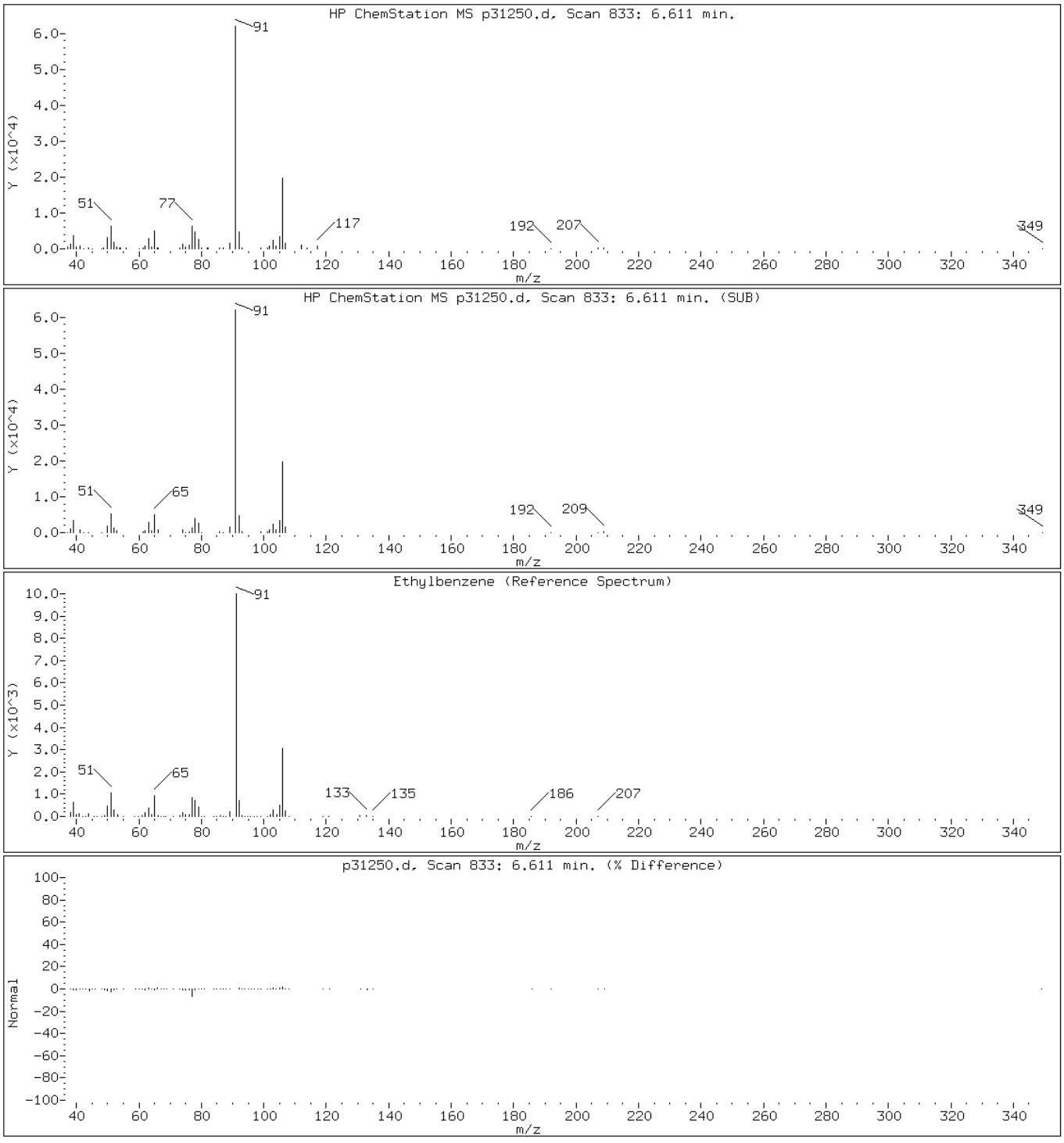
Data File: p31250.d

Date: 23-SEP-2009 16:12

Client ID: MW-27 Instrument: VOAMS13.i

Sample Info: 460-5774-C-1 Operator:

81 Ethylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-8SR  Lab Sample ID: 460-5774-2

Matrix: Water  Lab File ID: p31198.d

Analysis Method: 8260B  Date Collected: 09/16/2009 12:40

Sample wt/vol: 5(mL)  Date Analyzed: 09/22/2009 02:48

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: DB-624  ID: 0.18(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17559  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 8.5 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 6.8 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 44 | | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 98 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 92 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31198.d
Report Date: 28-Sep-2009 11:06

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31198.d
Lab Smp Id: 460-5774-C-2 Client Smp ID: MW-8SR
Inj Date : 22-SEP-2009 02:48
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5774-C-2
Misc Info : 460-5774-C-2
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 23:36 ken Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.804 | 1.805 | (0.559) | 2378 | 5.50127 | 5.5(a) |
| | 28 MTBE | 73 | 1.740 | 1.733 | (0.539) | 4007 | 0.29129 | 0.29(a) |
| | 29 Hexane | 56 | 1.711 | 1.711 | (0.530) | 3034 | 0.80768 | 0.81(a) |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 1874 | 0.23235 | 0.23(aH) |
| | 41 Tetrahydrofuran | 42 | 2.628 | 2.621 | (0.814) | 14455 | 9.29858 | 9.3 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 24283 | 3.33474 | 3.3 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 195806 | 46.1857 | 46 |
| | 48 Benzene | 78 | 2.900 | 2.901 | (0.446) | 152361 | 8.49030 | 8.5 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 971530 | 50.0000 | |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 15553 | 2.04595 | 2.0 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 641355 | 46.2194 | 46 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.729) | 134608 | 6.75635 | 6.8 |
| * | 78 Chlorobenzene-d5 | 117 | 6.503 | 6.496 | (1.000) | 709665 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 6.525 | 6.518 | (1.003) | 2871349 | 234.688 | 230 |
| | 81 Ethylbenzene | 106 | 6.611 | 6.611 | (1.017) | 281666 | 43.5013 | 44 |
| | 82 m+p-Xylene | 106 | 6.818 | 6.819 | (1.048) | 262199 | 32.0466 | 32 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31198.d
Report Date: 28-Sep-2009 11:06

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 84 o-Xylene | 106 | 7.399 | 7.399 | (1.138) | 383491 | 50.1027 | 50 |
| | 88 Isopropylbenzene | 105 | 7.879 | 7.879 | (1.211) | 93523 | 4.78708 | 4.8 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 242844 | 48.7601 | 49 |
| | 95 n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 129587 | 5.34698 | 5.3 |
| | 97 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.832 | (0.913) | 105085 | 6.44426 | 6.4 |
| | 100 tert-Butylbenzene | 119 | 9.204 | 9.197 | (0.952) | 5132 | 0.35113 | 0.35(a) |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 631505 | 37.1688 | 37 |
| | 103 sec-Butylbenzene | 105 | 9.411 | 9.412 | (0.973) | 58753 | 2.71114 | 2.7 |
| | 105 1,3-Dichlorobenzene | 146 | 9.583 | 9.576 | (0.991) | 4823 | 0.47740 | 0.48(a) |
| | 107 p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 35765 | 1.89264 | 1.9 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.670 | (1.000) | 375305 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 62951 | 5.97209 | 6.0 |
| | 106 n-Butylbenzene | 91 | 10.027 | 10.028 | (1.037) | 55886 | 3.25625 | 3.2 |
| | 111 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 51246 | 5.16902 | 5.2 |
| | 116 Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 1050250 | 55.6516 | 56 |
| M | 121 Xylene (Total) | 100 | | | | 645690 | 80.6518 | 81 |

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: p31198.d

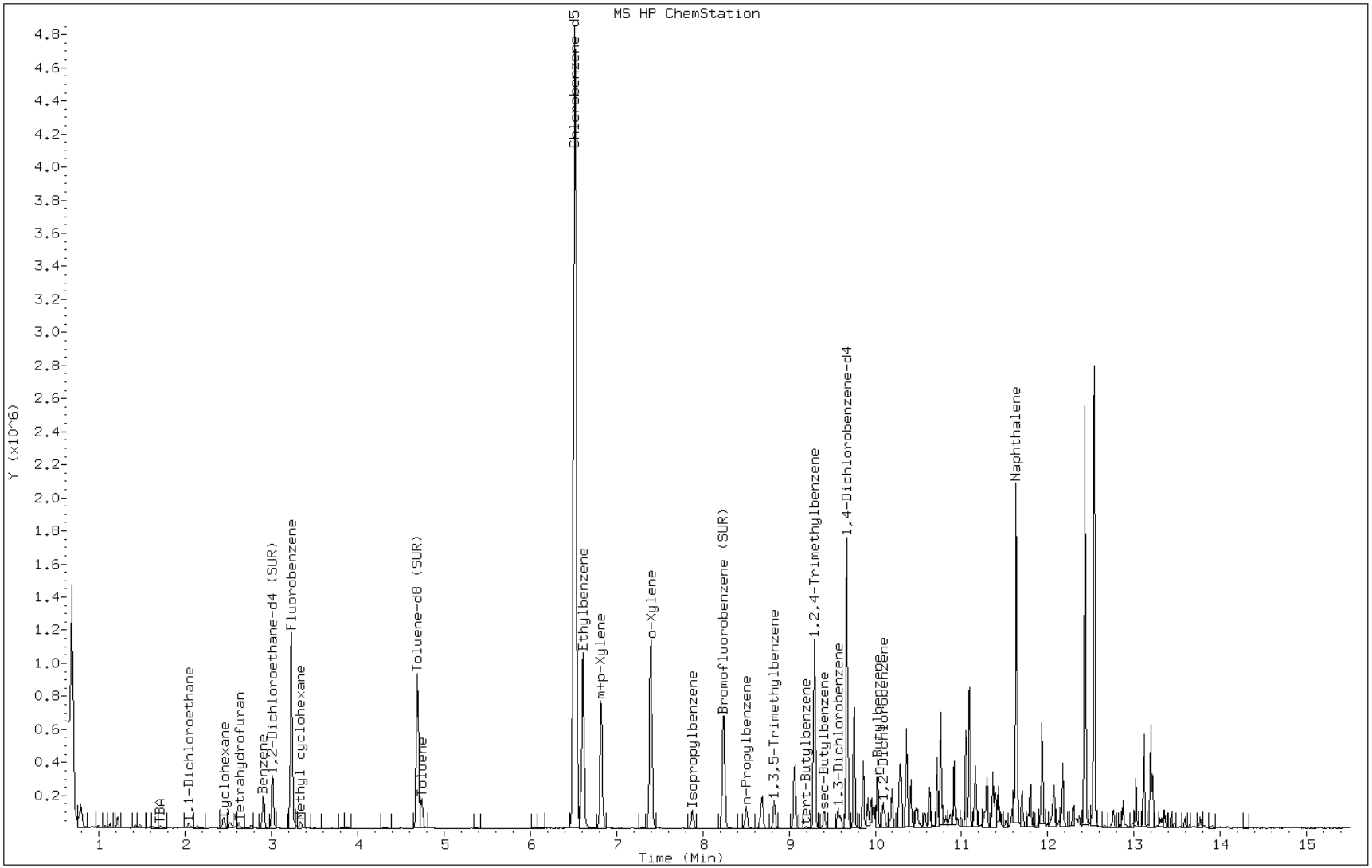
Date: 22-SEP-2009 02:48

Client ID: MW-8SR

Instrument: VOAMS13.i

Sample Info: 460-5774-C-2

Operator:



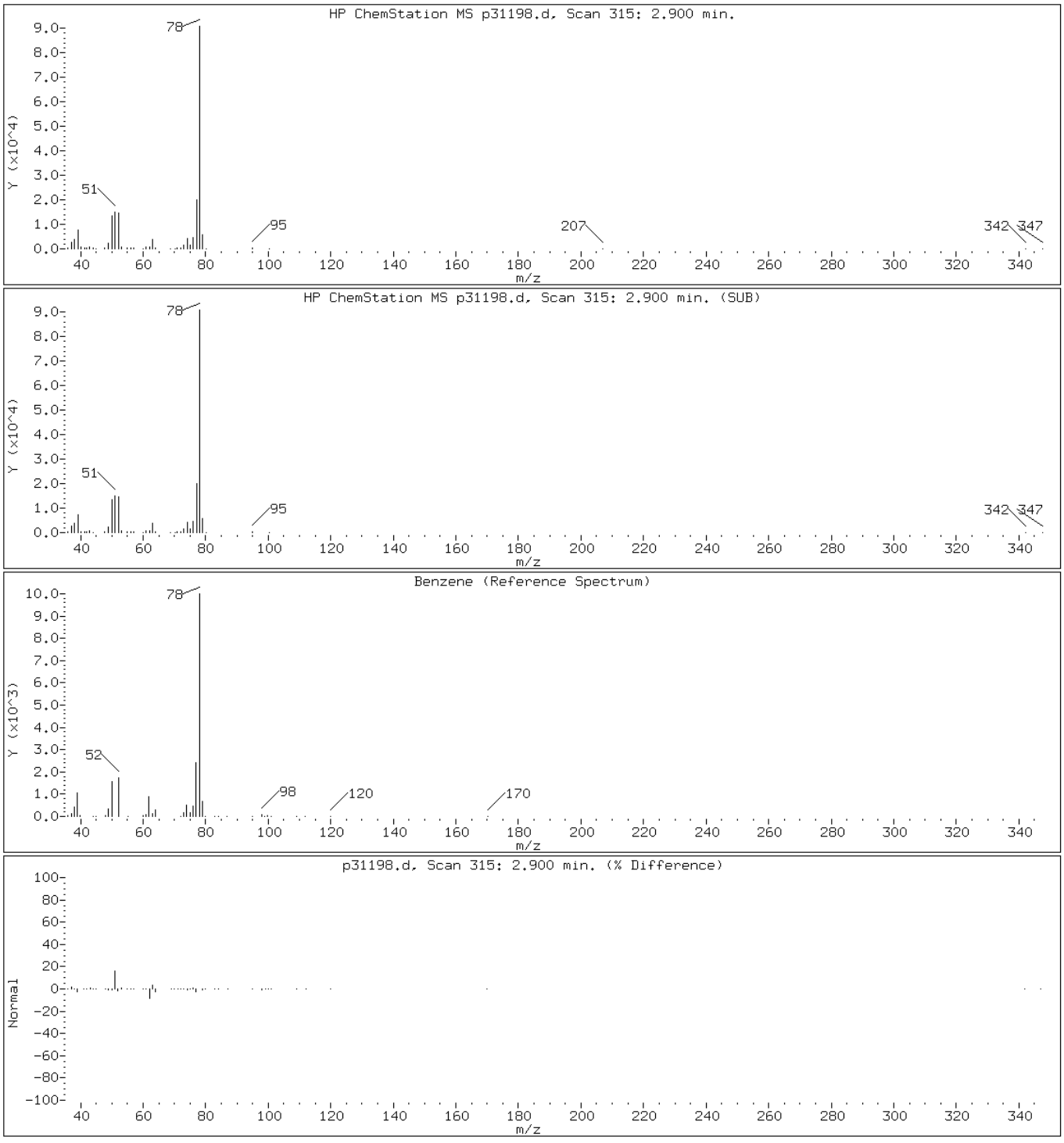
Data File: p31198.d

Date: 22-SEP-2009 02:48

Client ID: MW-8SR Instrument: VOAMS13.i

Sample Info: 460-5774-C-2 Operator:

48 Benzene



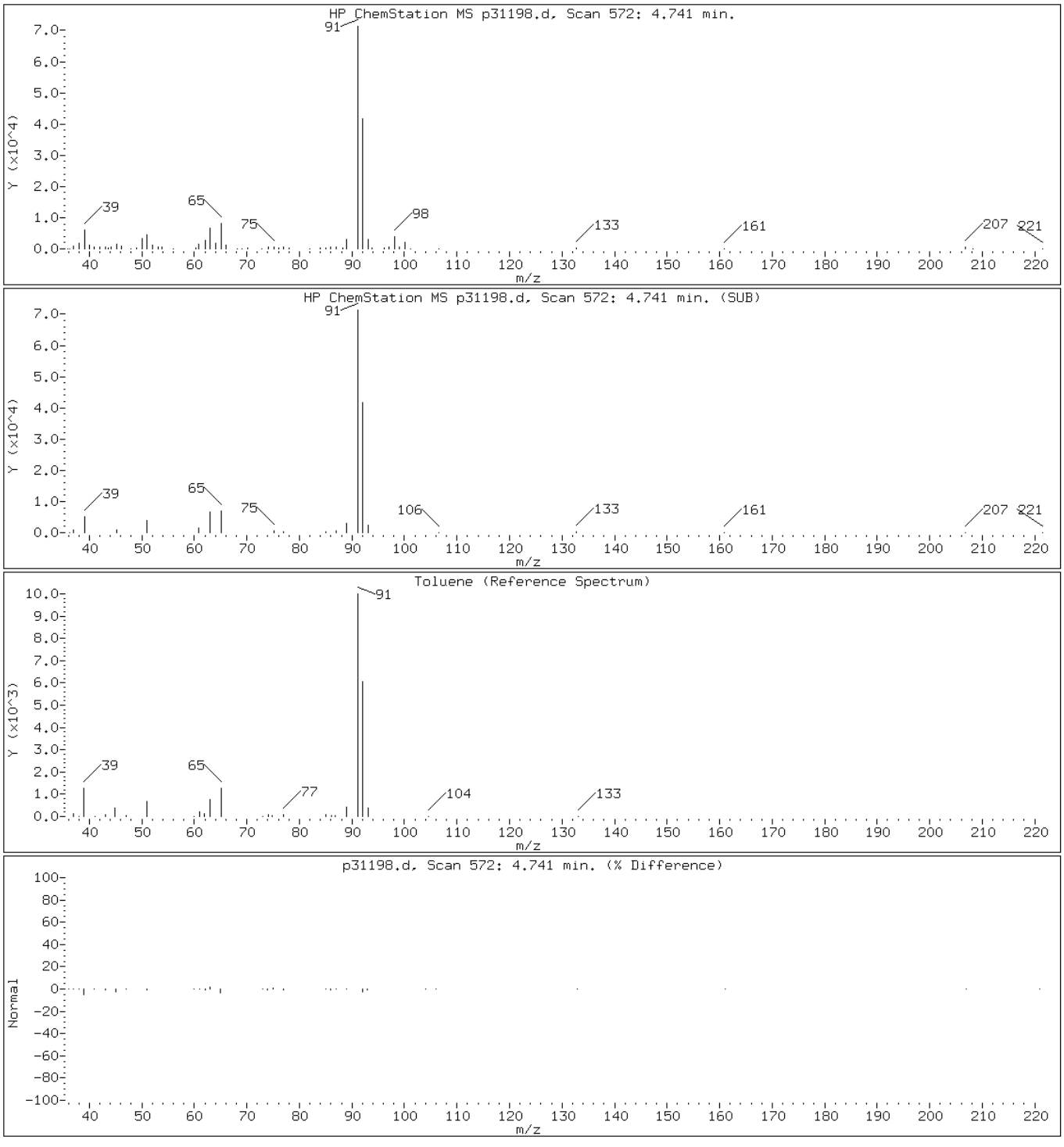
Data File: p31198.d

Date: 22-SEP-2009 02:48

Client ID: MW-8SR Instrument: VOAMS13.i

Sample Info: 460-5774-C-2 Operator:

66 Toluene



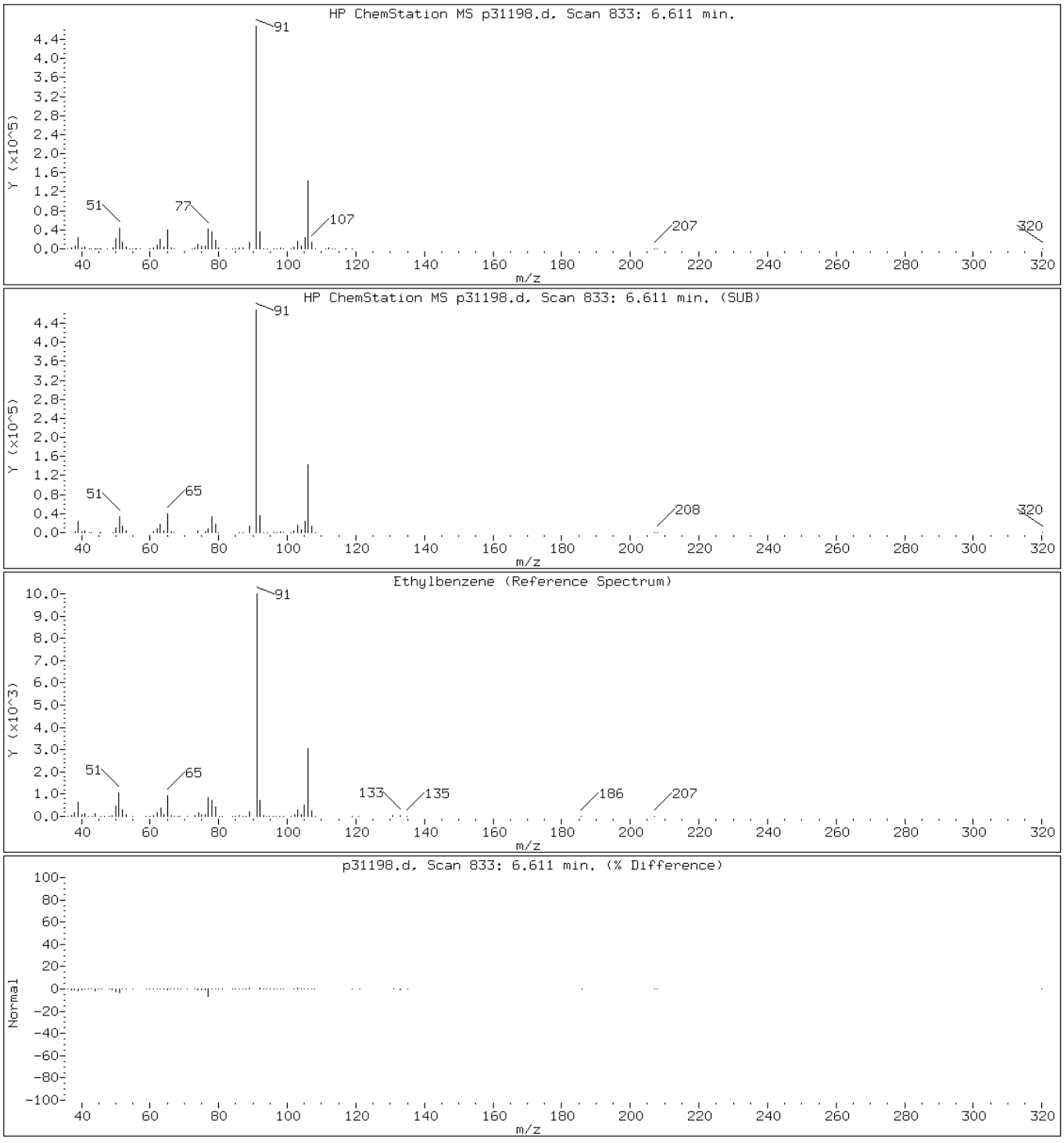
Data File: p31198.d

Date: 22-SEP-2009 02:48

Client ID: MW-8SR Instrument: VOAMS13.i

Sample Info: 460-5774-C-2 Operator:

81 Ethylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-29 | Lab Sample ID: 460-5774-3

Matrix: Water | Lab File ID: p31273.d

Analysis Method: 8260B | Date Collected: 09/16/2009 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2009 03:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17822 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 0.16 | J | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 93 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 99 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 93 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31273.d
Report Date: 24-Sep-2009 08:20

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31273.d
Lab Smp Id: 460-5774-B-3 Client Smp ID: MW-29
Inj Date : 24-SEP-2009 03:25
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5774-B-3
Misc Info : 460-5774-B-3
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 22:15 ken Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 4 Vinyl Chloride | 62 | 0.837 | 0.845 | (0.259) | 3154 | 0.72741 | 0.73(a) |
| | 24 TBA | 59 | 1.797 | 1.805 | (0.556) | 3731 | 8.37014 | 8.4(a) |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 6935 | 0.48888 | 0.49(a) |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 203971 | 46.6559 | 47 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1001844 | 50.0000 | |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 656303 | 46.2955 | 46 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.729) | 3225 | 0.15845 | 0.16(a) |
| * | 78 Chlorobenzene-d5 | 117 | 6.503 | 6.496 | (1.000) | 725011 | 50.0000 | |
| | 88 Isopropylbenzene | 105 | 7.879 | 7.879 | (1.211) | 18268 | 0.91528 | 0.92(a) |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 251013 | 49.4187 | 49 |
| | 95 n-Propylbenzene | 91 | 8.509 | 8.502 | (0.880) | 12851 | 0.51993 | 0.52(a) |
| | 100 tert-Butylbenzene | 119 | 9.204 | 9.197 | (0.952) | 5116 | 0.34322 | 0.34(a) |
| | 103 sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 17232 | 0.77968 | 0.78(a) |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.670 | (1.000) | 382760 | 50.0000 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31273.d
Report Date: 24-Sep-2009 08:20

QC Flag Legend

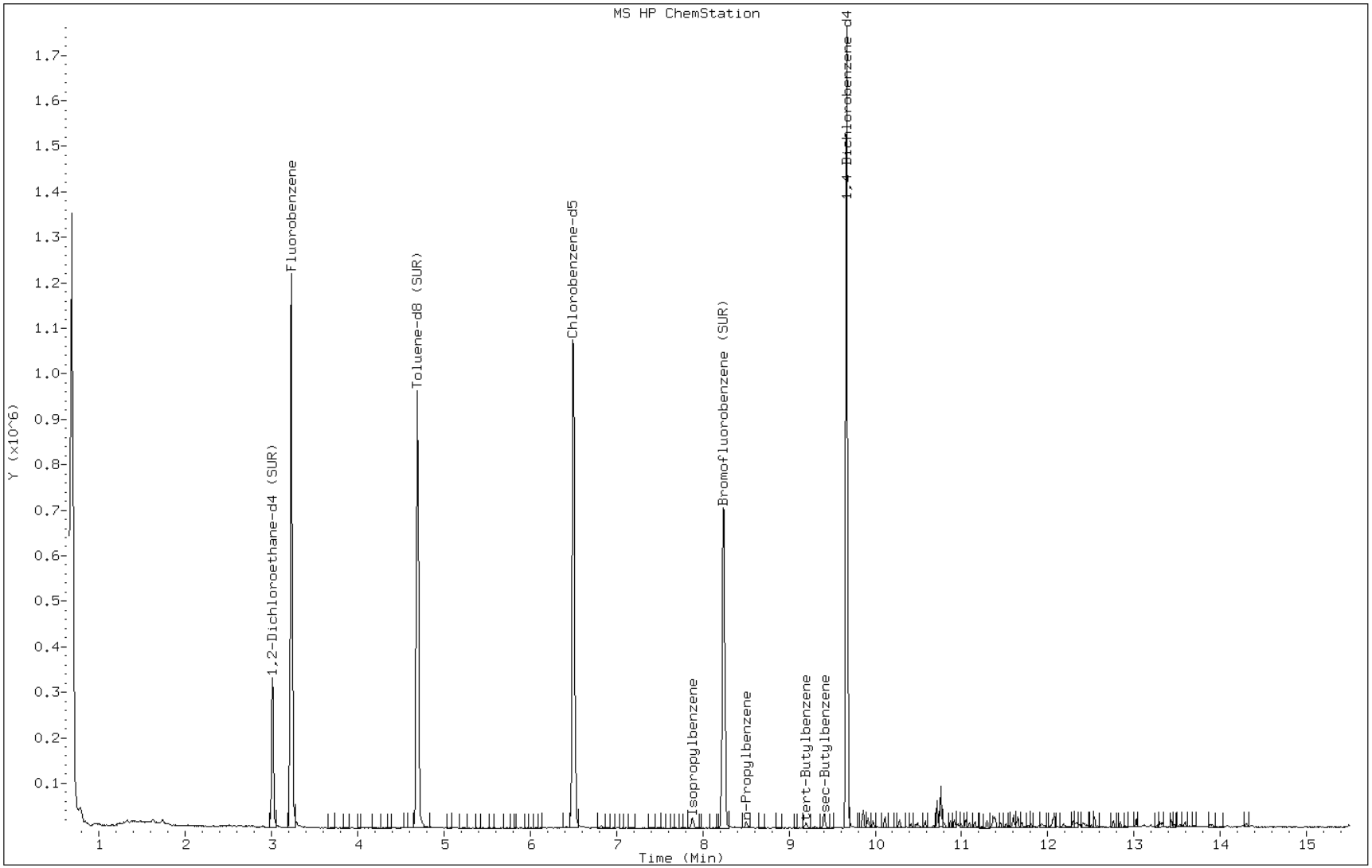
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: p31273.d

Date: 24-SEP-2009 03:25

Client ID: MW-29 Instrument: VOAMS13.i

Sample Info: 460-5774-B-3 Operator:



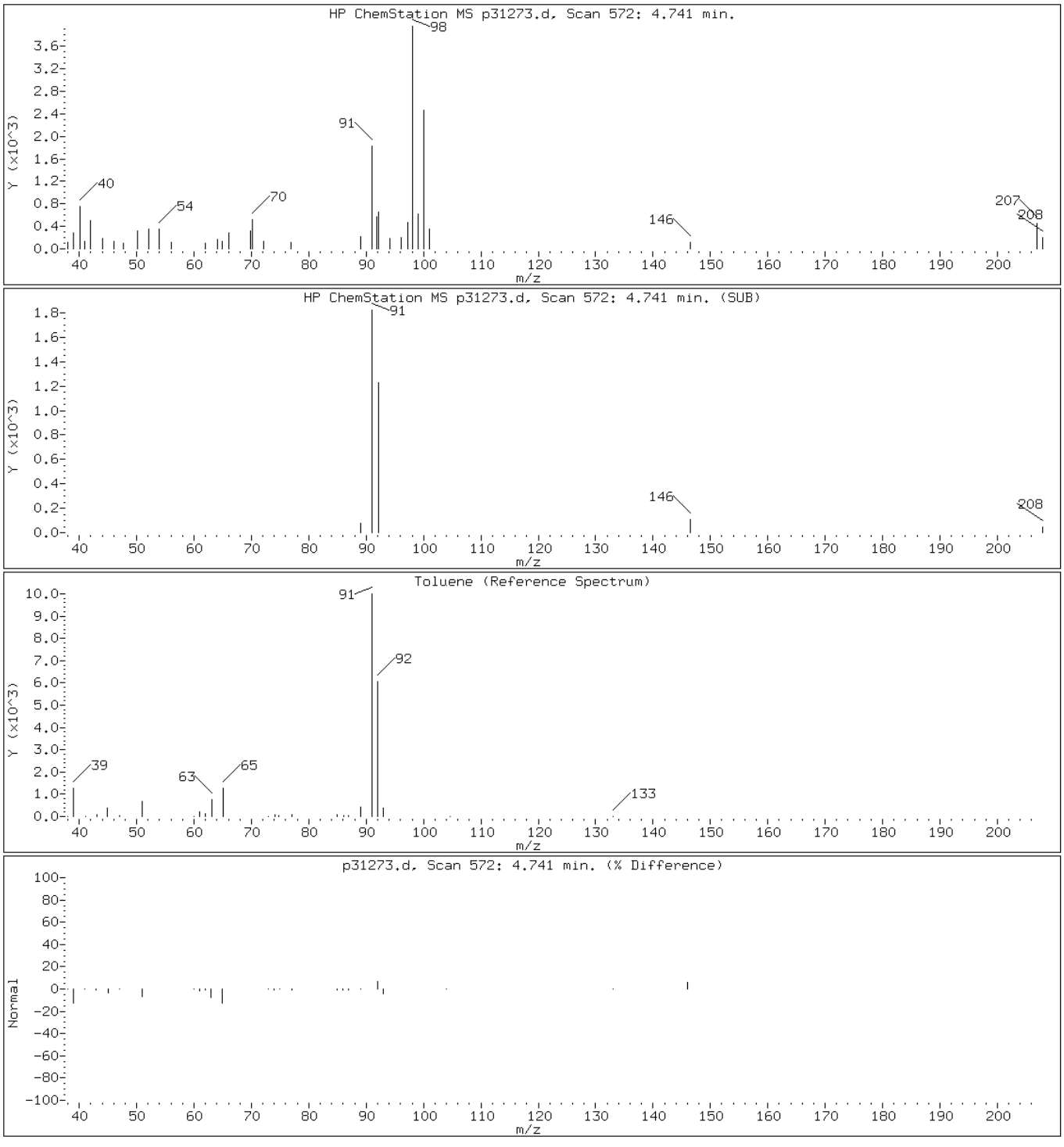
Data File: p31273.d

Date: 24-SEP-2009 03:25

Client ID: MW-29 Instrument: VOAMS13.i

Sample Info: 460-5774-B-3 Operator:

66 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-3S | Lab Sample ID: 460-5774-4

Matrix: Water | Lab File ID: p31245.d

Analysis Method: 8260B | Date Collected: 09/16/2009 11:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 14:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17748 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 0.17 | J | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 91 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 97 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 91 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31245.d
Report Date: 23-Sep-2009 14:52

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31245.d
Lab Smp Id: 460-5774-B-4 Client Smp ID: MW-3S
Inj Date : 23-SEP-2009 14:06
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5774-B-4
Misc Info : 460-5774-B-4
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 204162 | 45.4093 | 45 |
| 48 Benzene | 78 | 2.908 | 2.900 | (0.448) | 3263 | 0.17242 | 0.17(a) |
| * 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1030311 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 668012 | 45.6491 | 46 |
| * 78 Chlorobenzene-d5 | 117 | 6.496 | 6.503 | (1.000) | 748395 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 252365 | 48.4880 | 48 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.669 | (1.000) | 392208 | 50.0000 | |

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: p31245.d

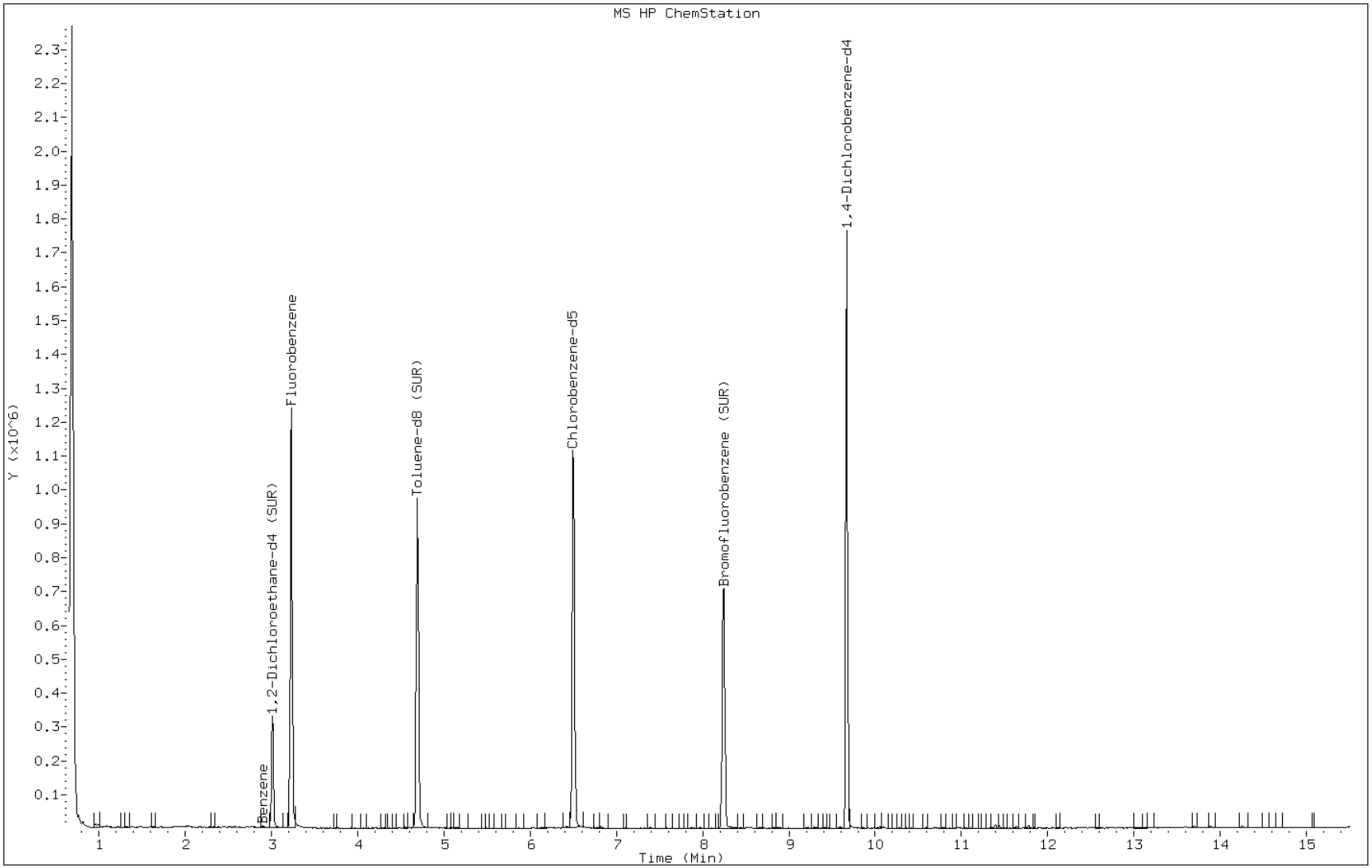
Date: 23-SEP-2009 14:06

Client ID: MW-3S

Instrument: VOAMS13.i

Sample Info: 460-5774-B-4

Operator:



Data File: p31245.d

Date: 23-SEP-2009 14:06

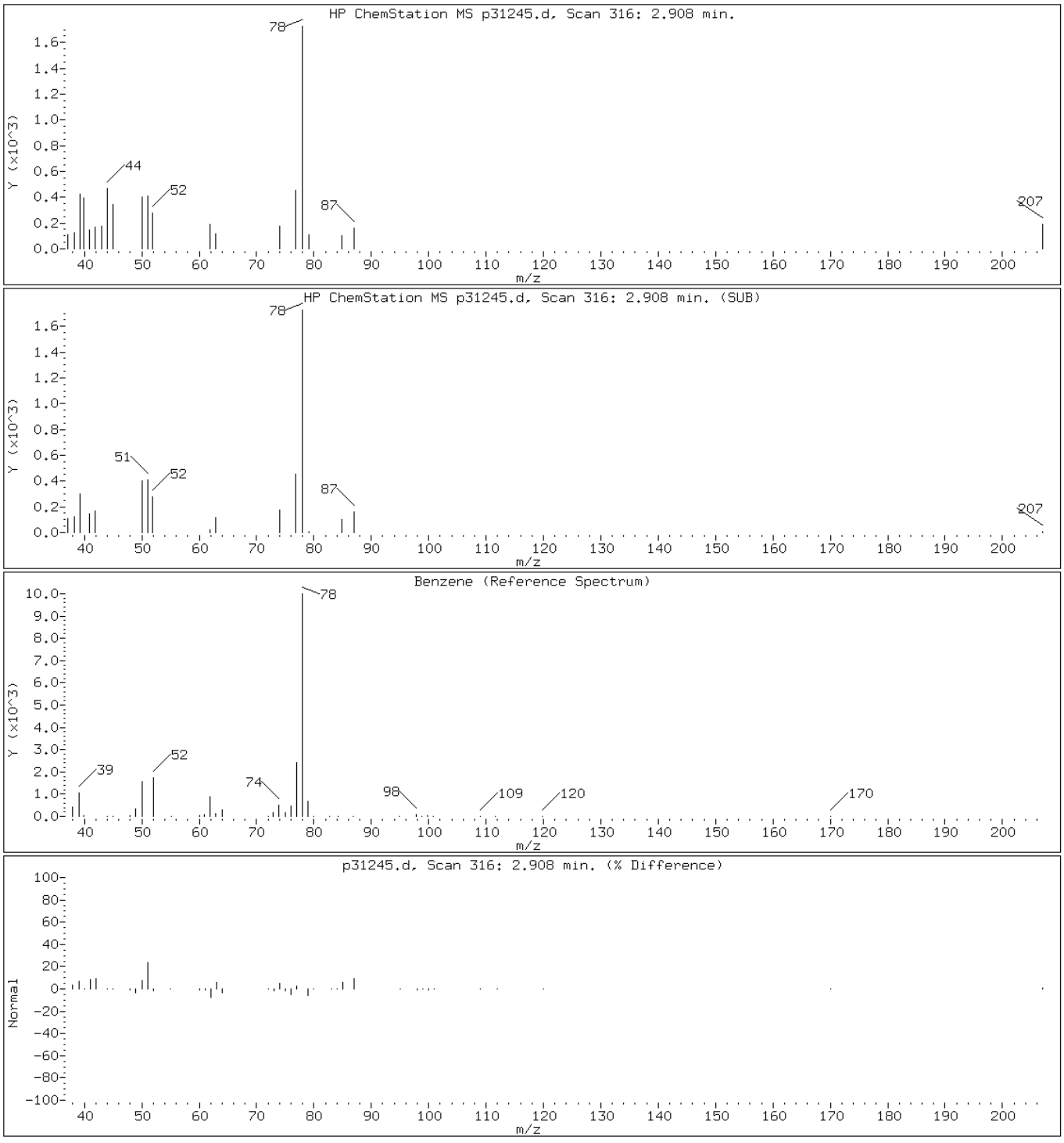
Client ID: MW-3S

Instrument: VOAMS13.i

Sample Info: 460-5774-B-4

Operator:

48 Benzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-30 | Lab Sample ID: 460-5774-5

Matrix: Water | Lab File ID: p31246.d

Analysis Method: 8260B | Date Collected: 09/16/2009 14:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 14:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17748 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 0.78 | J | 1.0 | 0.13 |
| 108-88-3 | Toluene | 0.17 | J | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 97 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 93 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31246.d
Report Date: 24-Sep-2009 14:54

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31246.d
Lab Smp Id: 460-5774-B-5 Client Smp ID: MW-30
Inj Date : 23-SEP-2009 14:31
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5774-B-5
Misc Info : 460-5774-B-5
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 4 Vinyl Chloride | 62 | 0.837 | 0.845 | (0.259) | 2171 | 0.50532 | 0.50(a) |
| | 24 TBA | 59 | 1.797 | 1.812 | (0.556) | 4766 | 10.7908 | 11(a) |
| | 25 trans-1,2-Dichloroethene | 96 | 1.676 | 1.668 | (0.519) | 1218 | 0.26270 | 0.26(a) |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 5060 | 0.36000 | 0.36(a) |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 3158 | 0.38320 | 0.38(a) |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 2833 | 0.56836 | 0.57(a) |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 6416 | 4.03935 | 4.0 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 2118 | 0.28466 | 0.28(a) |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 198378 | 45.7956 | 46 |
| | 48 Benzene | 78 | 2.908 | 2.900 | (0.448) | 13906 | 0.78035 | 0.78(a) |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 992676 | 50.0000 | |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 640567 | 46.4866 | 46 |
| | 66 Toluene | 91 | 4.748 | 4.741 | (0.731) | 3407 | 0.17221 | 0.17(a) |
| * | 78 Chlorobenzene-d5 | 117 | 6.496 | 6.503 | (1.000) | 704718 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 6.518 | 6.518 | (1.003) | 9921 | 0.81658 | 0.82(a) |
| | 84 o-Xylene | 106 | 7.399 | 7.399 | (1.139) | 2521 | 0.33168 | 0.33(a) |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31246.d
Report Date: 24-Sep-2009 14:54

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 240797 | 48.4164 | 48 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.669 | (1.000) | 374783 | 50.0000 | |
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 4051 | 0.84211 | 0.84(a) |
| M 121 Xylene (Total) | 100 | | | | 2521 | 0.31710 | 0.32(a) |

QC Flag Legend

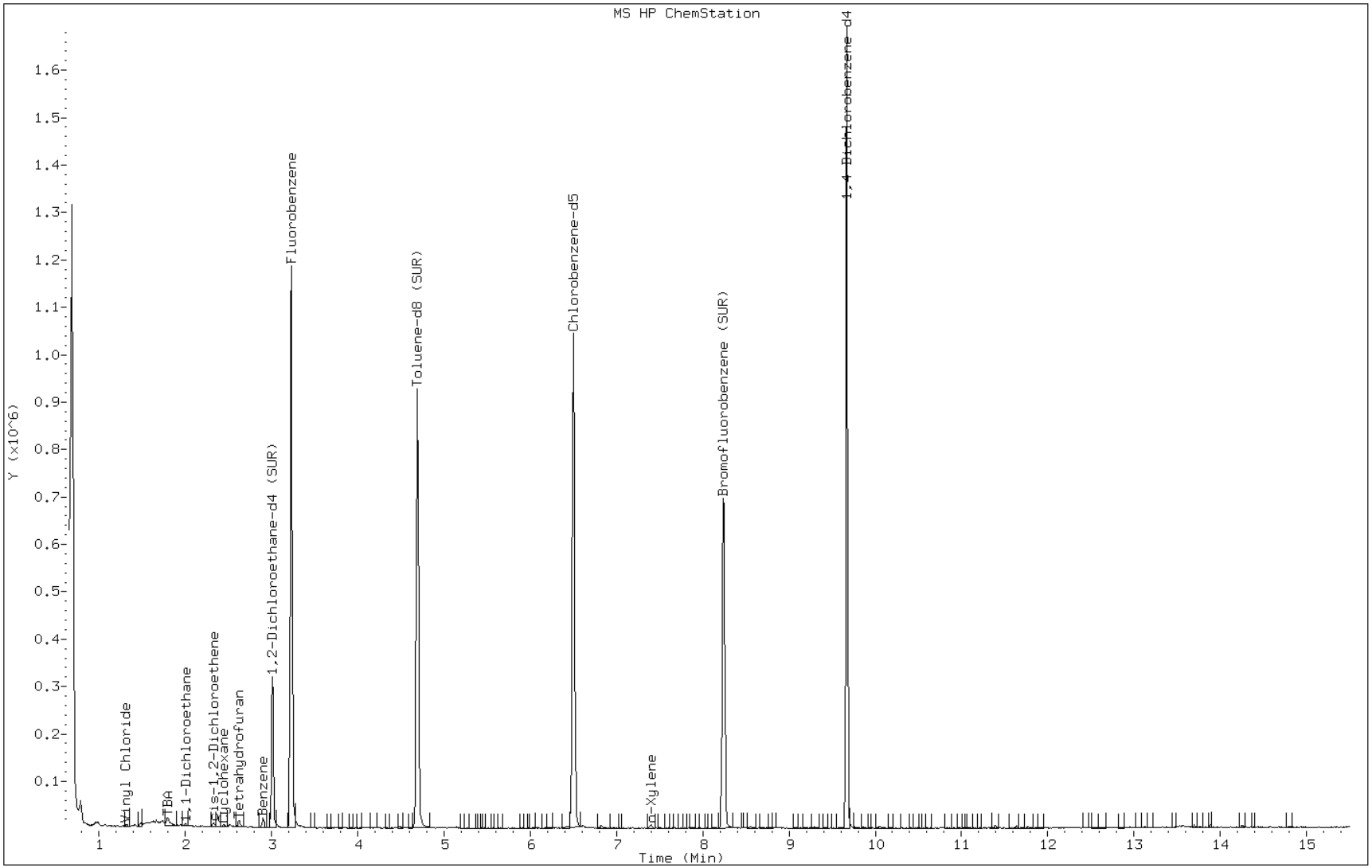
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: p31246.d

Date: 23-SEP-2009 14:31

Client ID: MW-30 Instrument: VOAMS13.i

Sample Info: 460-5774-B-5 Operator:



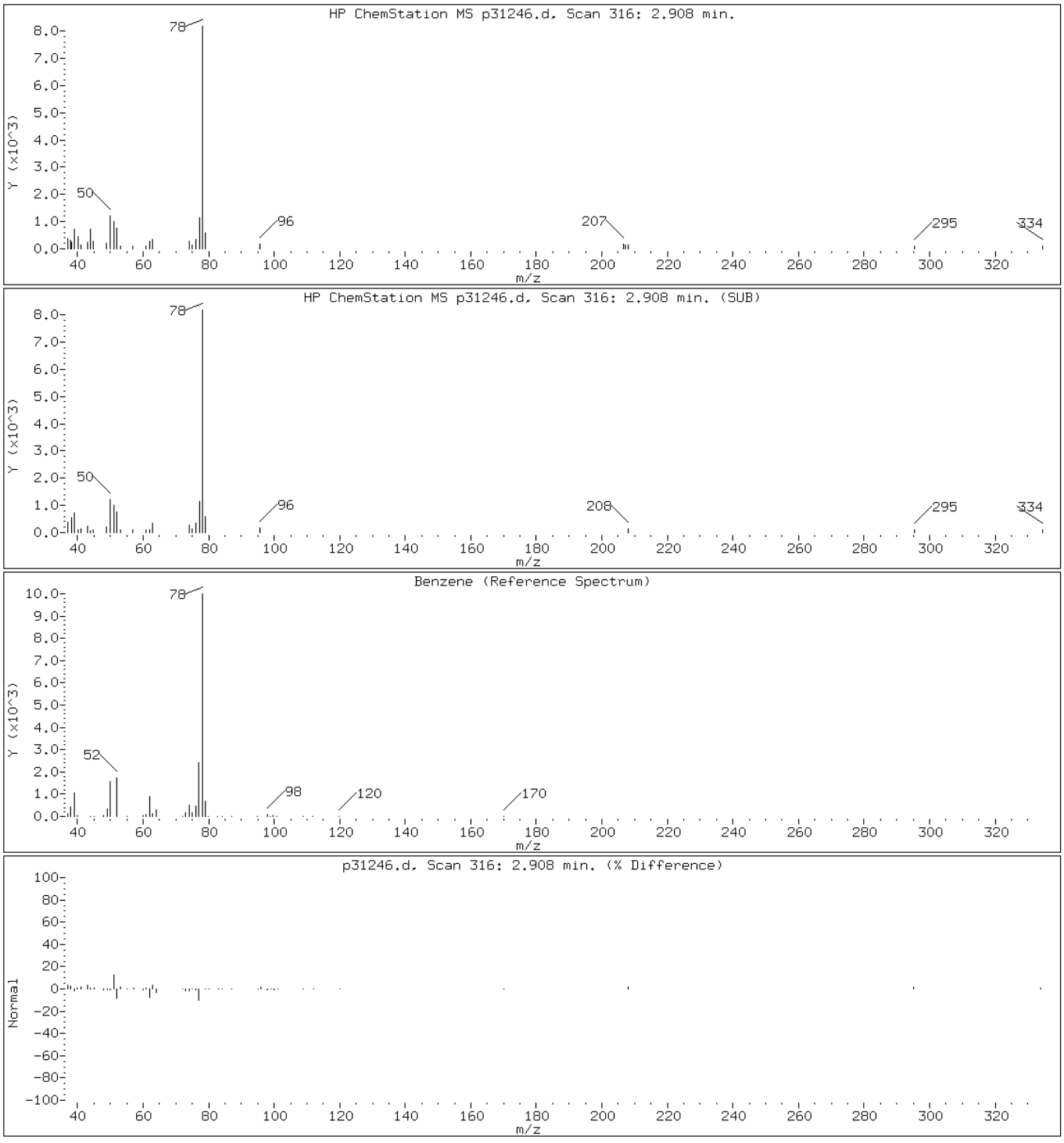
Data File: p31246.d

Date: 23-SEP-2009 14:31

Client ID: MW-30 Instrument: VOAMS13.i

Sample Info: 460-5774-B-5 Operator:

48 Benzene



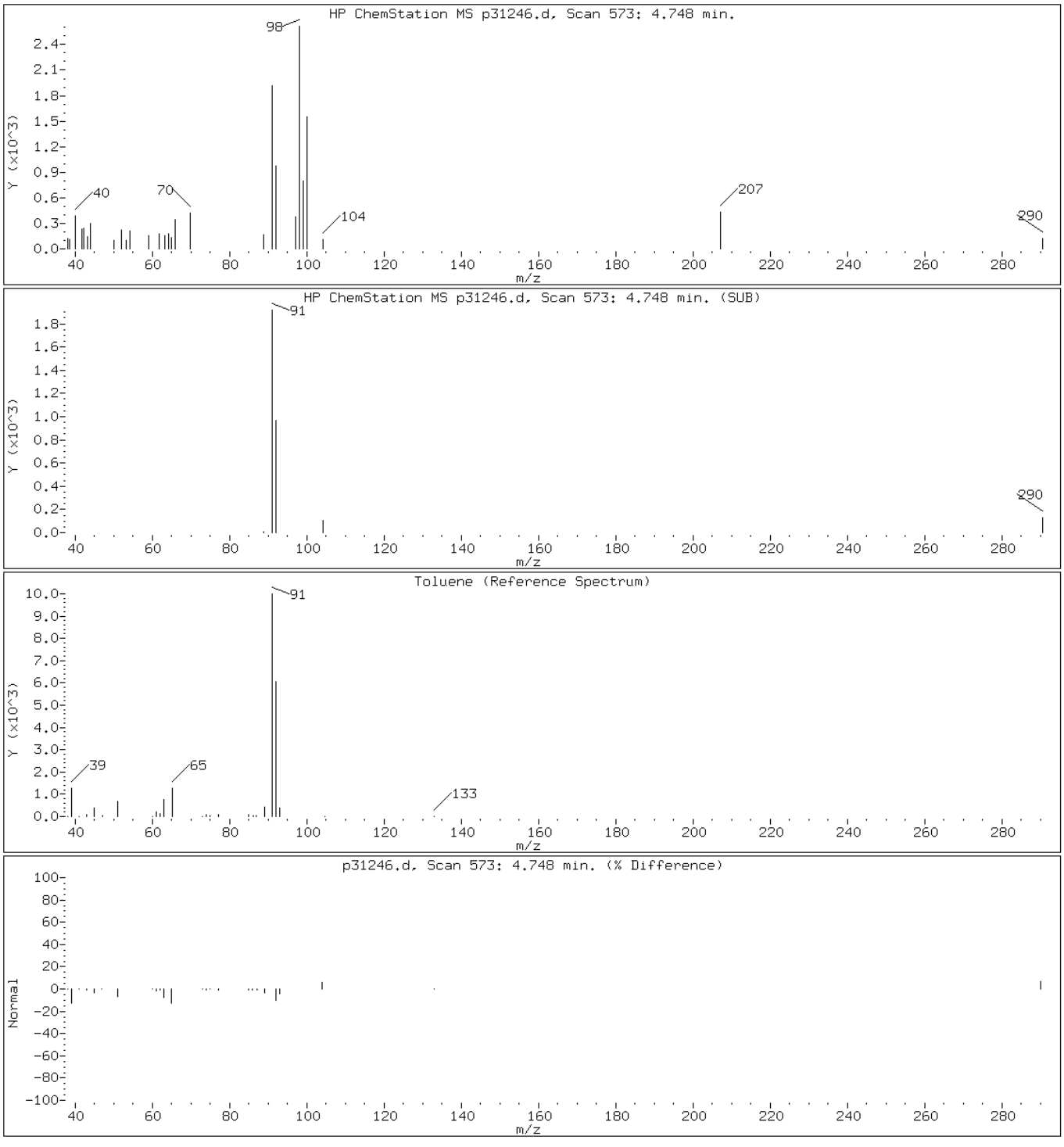
Data File: p31246.d

Date: 23-SEP-2009 14:31

Client ID: MW-30 Instrument: VOAMS13.i

Sample Info: 460-5774-B-5 Operator:

66 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 460-5774-6

Matrix: Water | Lab File ID: p31247.d

Analysis Method: 8260B | Date Collected: 09/16/2009 09:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 14:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17748 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 8.9 | J | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 97 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 93 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31247.d
Report Date: 24-Sep-2009 14:55

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31247.d
Lab Smp Id: 460-5774-B-6 Client Smp ID: MW-1
Inj Date : 23-SEP-2009 14:56
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5774-B-6
Misc Info : 460-5774-B-6
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 16 Acetone | 58 | 1.625 | 1.625 | (0.503) | 3114 | 8.93890 | 8.9(a) |
| 18 Carbon Disulfide | 76 | 1.325 | 1.317 | (0.410) | 17412 | 1.18426 | 1.2 |
| 24 TBA | 59 | 1.790 | 1.812 | (0.554) | 2525 | 5.77893 | 5.8(a) |
| 38 2-Butanone | 72 | 2.743 | 2.743 | (0.849) | 779 | 1.13523 | 1.1(a) |
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 200675 | 46.8285 | 47 |
| * 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 982022 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 647372 | 46.4845 | 46 |
| * 78 Chlorobenzene-d5 | 117 | 6.496 | 6.503 | (1.000) | 712237 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 242956 | 48.6165 | 49 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.669 | (1.000) | 376587 | 50.0000 | |

QC Flag Legend

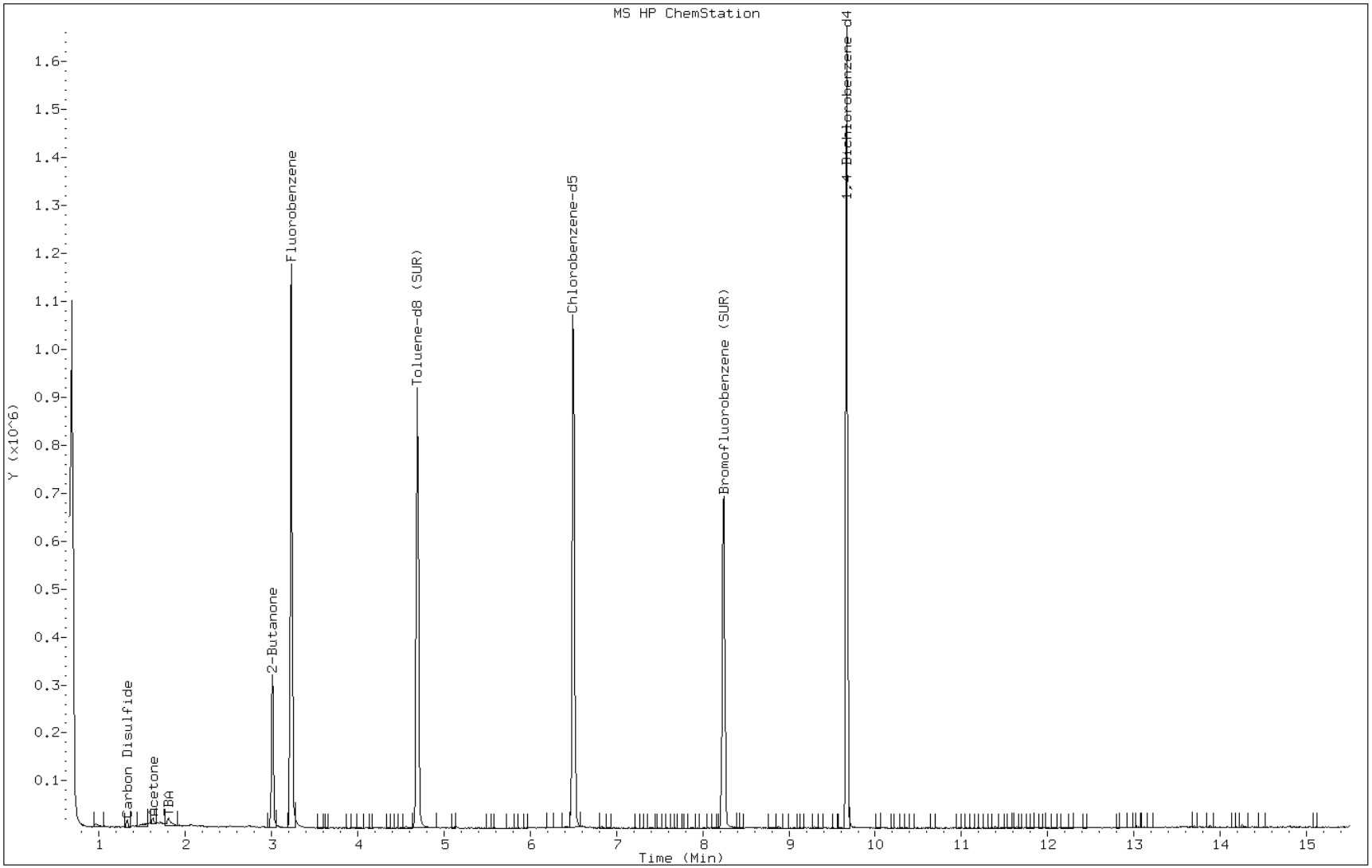
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: p31247.d

Date: 23-SEP-2009 14:56

Client ID: MW-1 Instrument: VOAMS13.i

Sample Info: 460-5774-B-6 Operator:



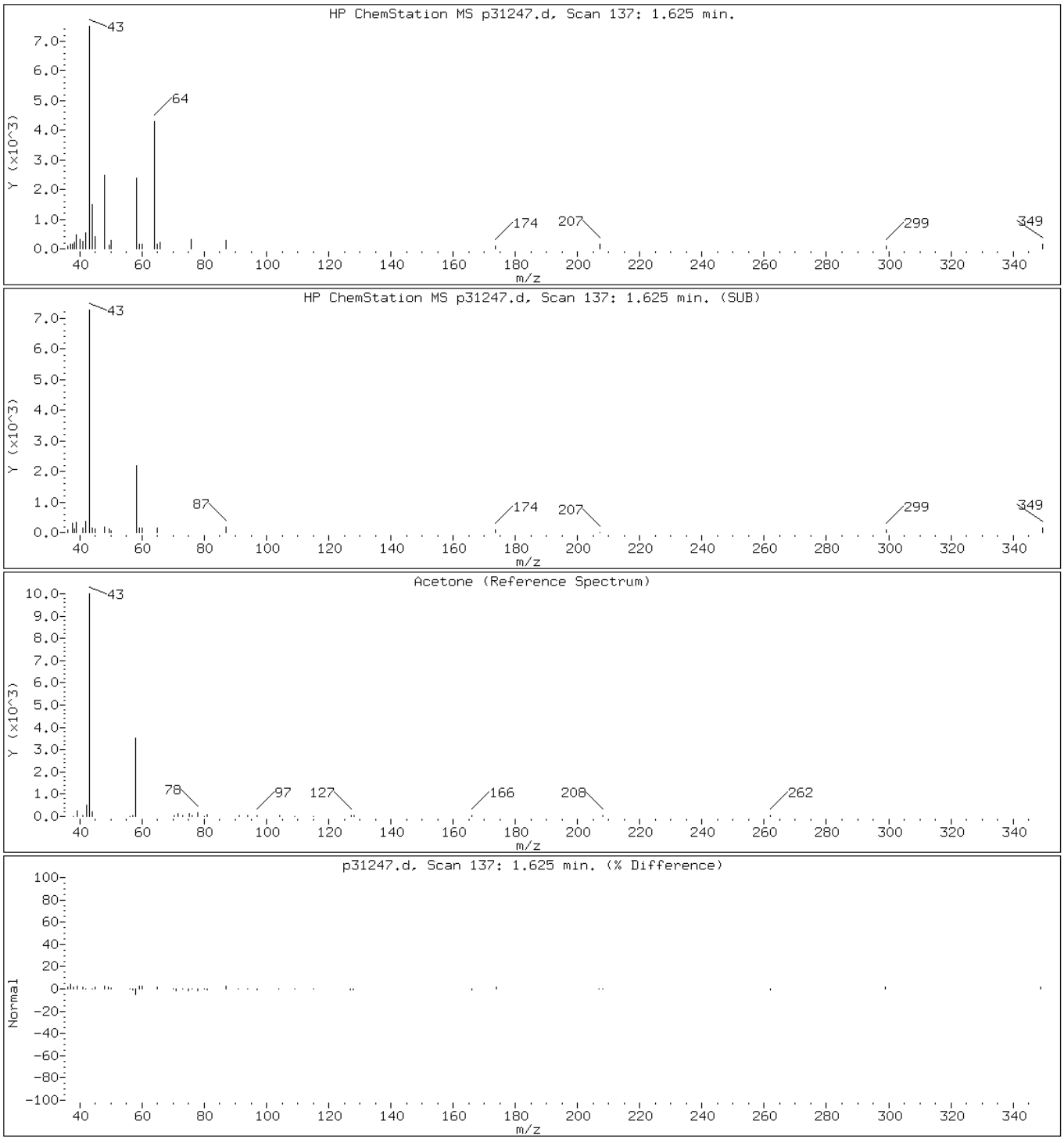
Data File: p31247.d

Date: 23-SEP-2009 14:56

Client ID: MW-1 Instrument: VOAMS13.i

Sample Info: 460-5774-B-6 Operator:

16 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-33 | Lab Sample ID: 460-5774-7

Matrix: Water | Lab File ID: p31248.d

Analysis Method: 8260B | Date Collected: 09/16/2009 09:40

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 15:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17748 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 2.6 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 0.20 | J | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 93 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 99 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 93 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31248.d
Report Date: 24-Sep-2009 14:56

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31248.d
Lab Smp Id: 460-5774-B-7 Client Smp ID: MW-33
Inj Date : 23-SEP-2009 15:21
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5774-B-7
Misc Info : 460-5774-B-7
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 4 Vinyl Chloride | 62 | 0.837 | 0.845 | (0.259) | 11393 | 2.70388 | 2.7 |
| | 18 Carbon Disulfide | 76 | 1.325 | 1.317 | (0.410) | 18638 | 1.27864 | 1.3 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.676 | 1.668 | (0.519) | 6126 | 1.34719 | 1.3 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 7546 | 0.93362 | 0.93(a) |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 7339 | 1.00574 | 1.0 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 197927 | 46.5881 | 46 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 47043 | 2.63008 | 2.6 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 973572 | 50.0000 | |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 640556 | 46.3135 | 46 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.730) | 3894 | 0.19609 | 0.20(a) |
| * | 78 Chlorobenzene-d5 | 117 | 6.496 | 6.503 | (1.000) | 707341 | 50.0000 | |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 243616 | 49.2617 | 49 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.669 | (1.000) | 372664 | 50.0000 | |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 6126 | 1.29845 | 1.3 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31248.d
Report Date: 24-Sep-2009 14:56

QC Flag Legend

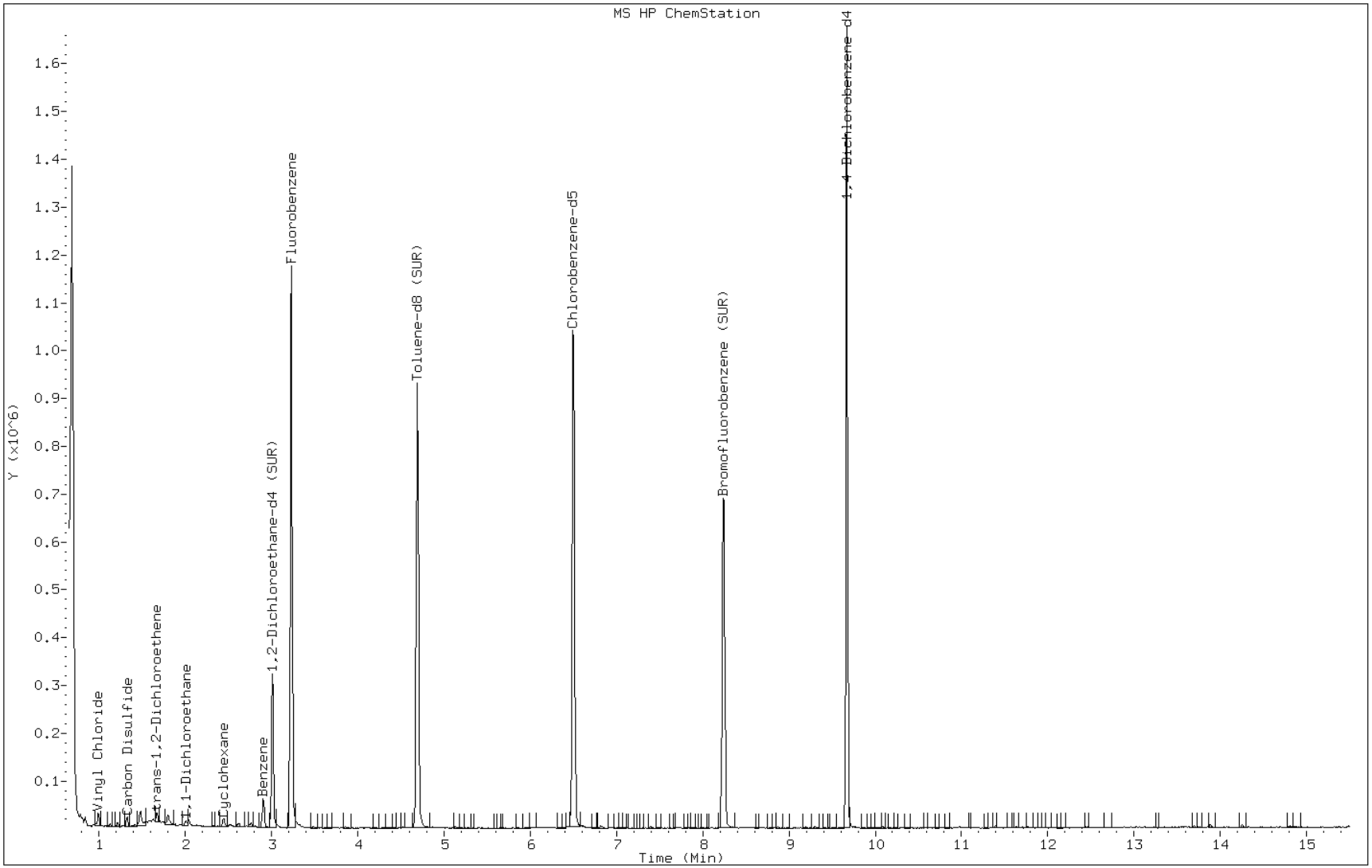
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: p31248.d

Date: 23-SEP-2009 15:21

Client ID: MW-33 Instrument: VOAMS13.i

Sample Info: 460-5774-B-7 Operator:



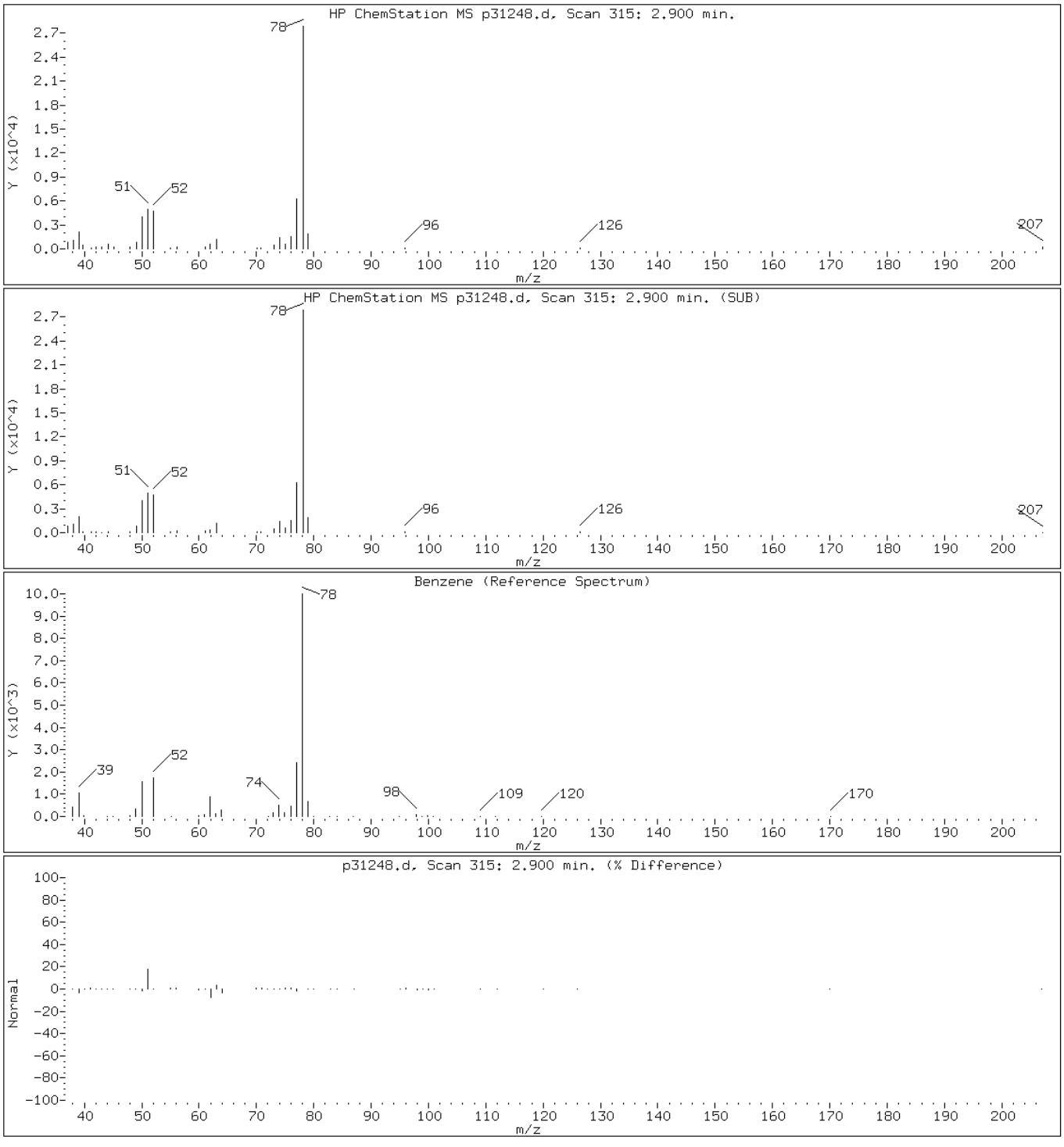
Data File: p31248.d

Date: 23-SEP-2009 15:21

Client ID: MW-33 Instrument: VOAMS13.i

Sample Info: 460-5774-B-7 Operator:

48 Benzene



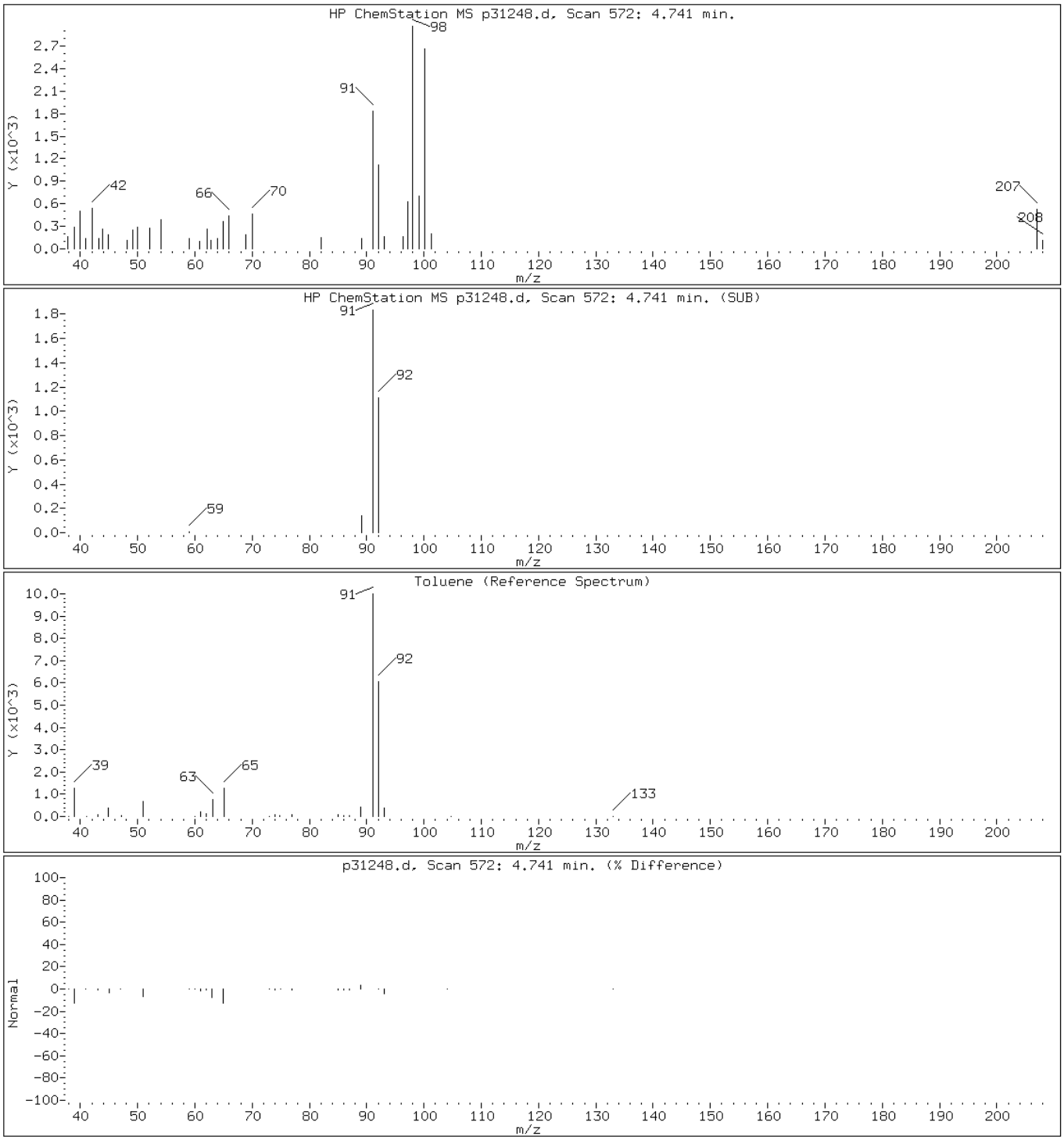
Data File: p31248.d

Date: 23-SEP-2009 15:21

Client ID: MW-33 Instrument: VOAMS13.i

Sample Info: 460-5774-B-7 Operator:

66 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-28 | Lab Sample ID: 460-5774-8

Matrix: Water | Lab File ID: p31249.d

Analysis Method: 8260B | Date Collected: 09/16/2009 15:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 15:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17748 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 3.1 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 0.25 | J | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 0.32 | J | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 96 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 99 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 93 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31249.d
Report Date: 24-Sep-2009 14:57

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31249.d
Lab Smp Id: 460-5774-B-8 Client Smp ID: MW-28
Inj Date : 23-SEP-2009 15:47
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5774-B-8
Misc Info : 460-5774-B-8
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 4 Vinyl Chloride | 62 | 0.837 | 0.845 | (0.259) | 1464 | 0.36302 | 0.36(a) |
| | 18 Carbon Disulfide | 76 | 1.325 | 1.317 | (0.410) | 15695 | 1.12500 | 1.1 |
| | 24 TBA | 59 | 1.804 | 1.812 | (0.559) | 2103 | 5.07246 | 5.1(a) |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 3910 | 0.29635 | 0.30(a) |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 4179 | 0.54021 | 0.54(a) |
| | 44 Cyclohexane | 56 | 2.449 | 2.442 | (0.758) | 5503 | 0.78793 | 0.79(a) |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 194423 | 47.8142 | 48 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 55689 | 3.07087 | 3.1 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 931812 | 50.0000 | |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 651812 | 46.4826 | 46 |
| | 66 Toluene | 91 | 4.748 | 4.741 | (0.731) | 5051 | 0.25088 | 0.25(a) |
| * | 78 Chlorobenzene-d5 | 117 | 6.496 | 6.503 | (1.000) | 717152 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 6.525 | 6.518 | (1.004) | 11078 | 0.89600 | 0.90(a) |
| | 81 Ethylbenzene | 106 | 6.611 | 6.611 | (1.018) | 2122 | 0.32431 | 0.32(a) |
| | 82 m+p-Xylene | 106 | 6.833 | 6.819 | (1.052) | 2436 | 0.29463 | 0.29(a) |
| | 84 o-Xylene | 106 | 7.406 | 7.399 | (1.140) | 1411 | 0.18242 | 0.18(a) |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31249.d
Report Date: 24-Sep-2009 14:57

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 88 Isopropylbenzene | 105 | 7.886 | 7.879 | (1.214) | 24344 | 1.23307 | 1.2 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 238255 | 49.5615 | 50 |
| | 95 n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 9314 | 0.39815 | 0.40(a) |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 4288 | 0.26147 | 0.26(a) |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.669 | (1.000) | 362259 | 50.0000 | |
| | 116 Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 32403 | 1.77884 | 1.8 |
| M | 121 Xylene (Total) | 100 | | | | 3847 | 0.47550 | 0.48(a) |

QC Flag Legend

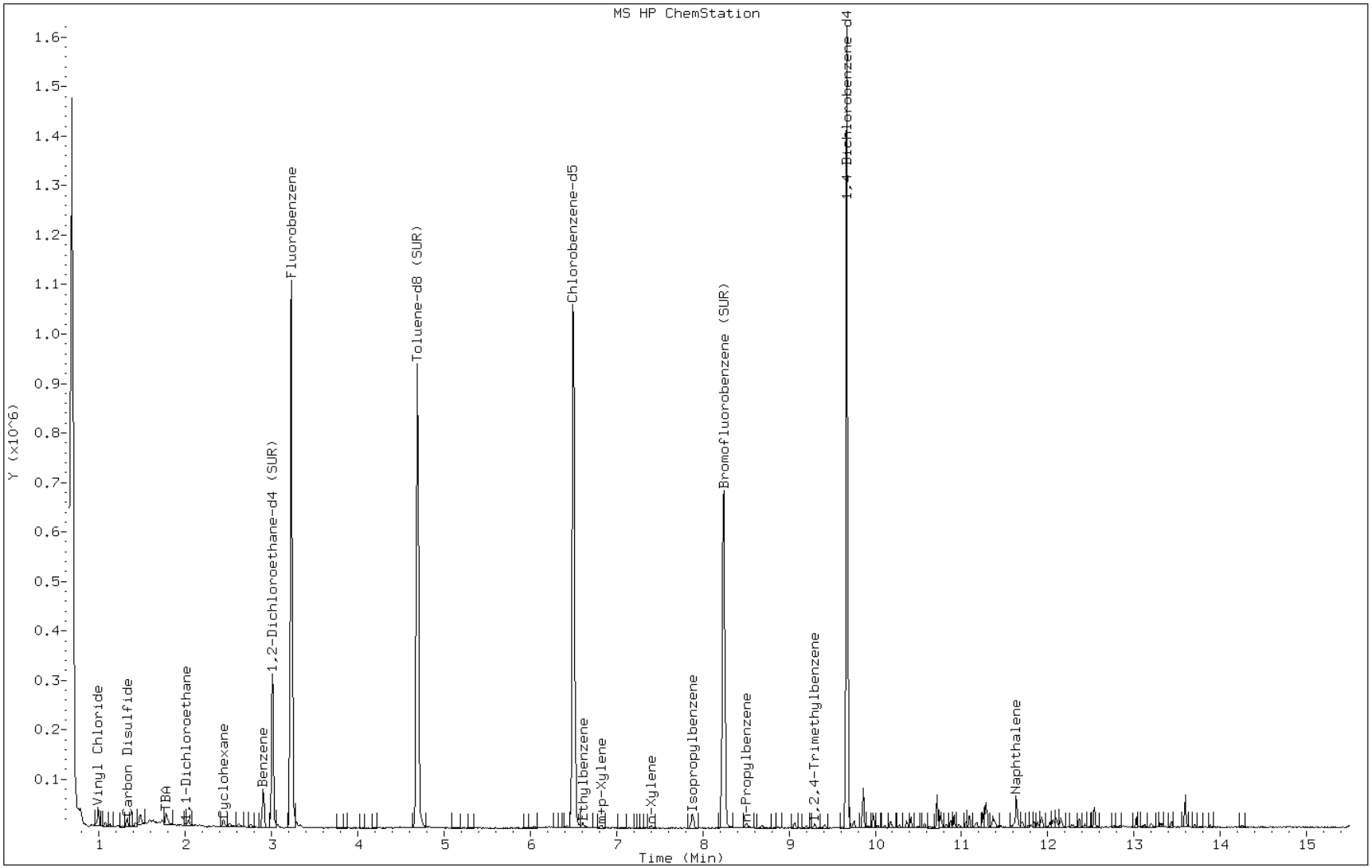
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: p31249.d

Date: 23-SEP-2009 15:47

Client ID: MW-28 Instrument: VOAMS13.i

Sample Info: 460-5774-B-8 Operator:



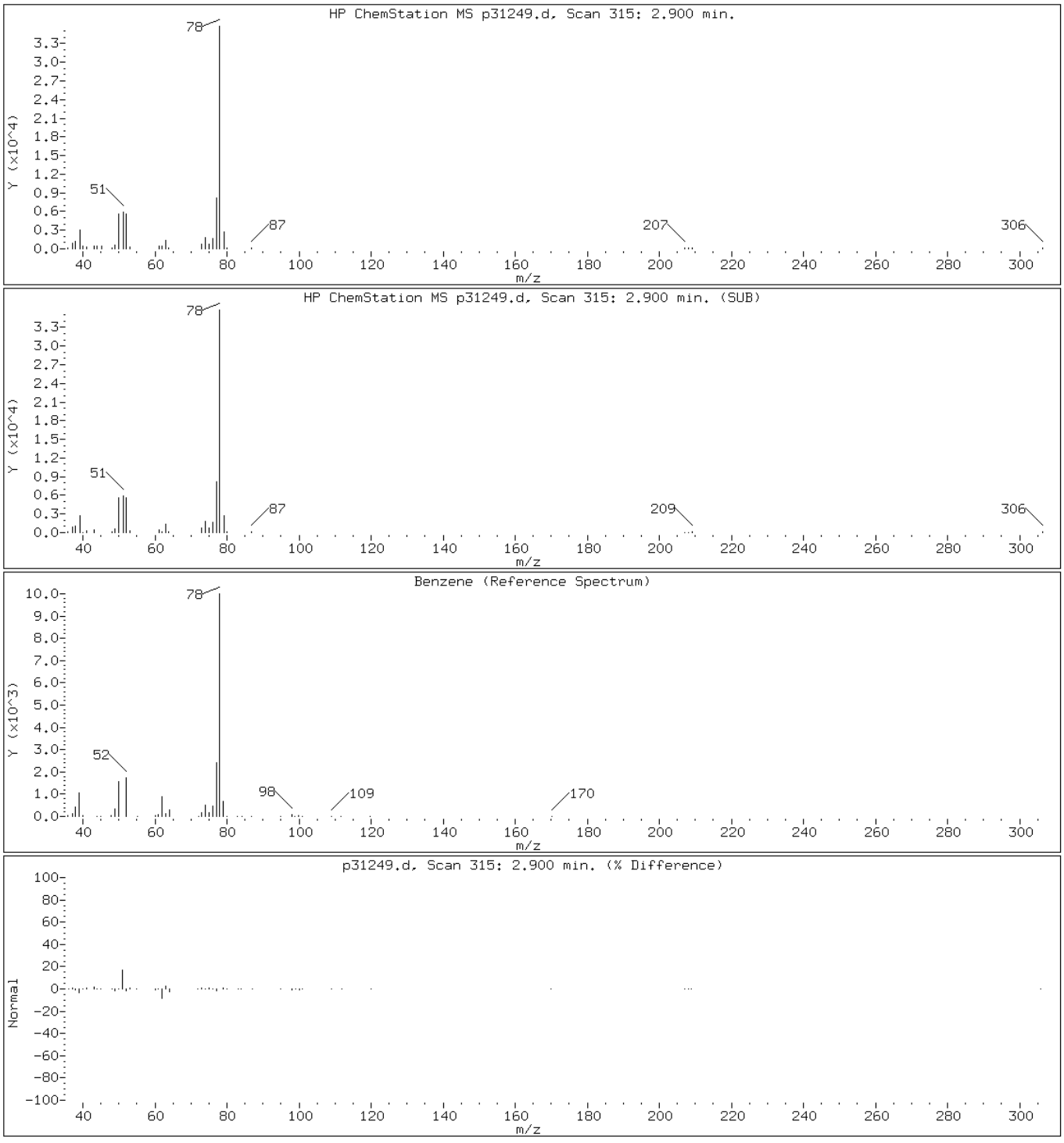
Data File: p31249.d

Date: 23-SEP-2009 15:47

Client ID: MW-28 Instrument: VOAMS13.i

Sample Info: 460-5774-B-8 Operator:

48 Benzene



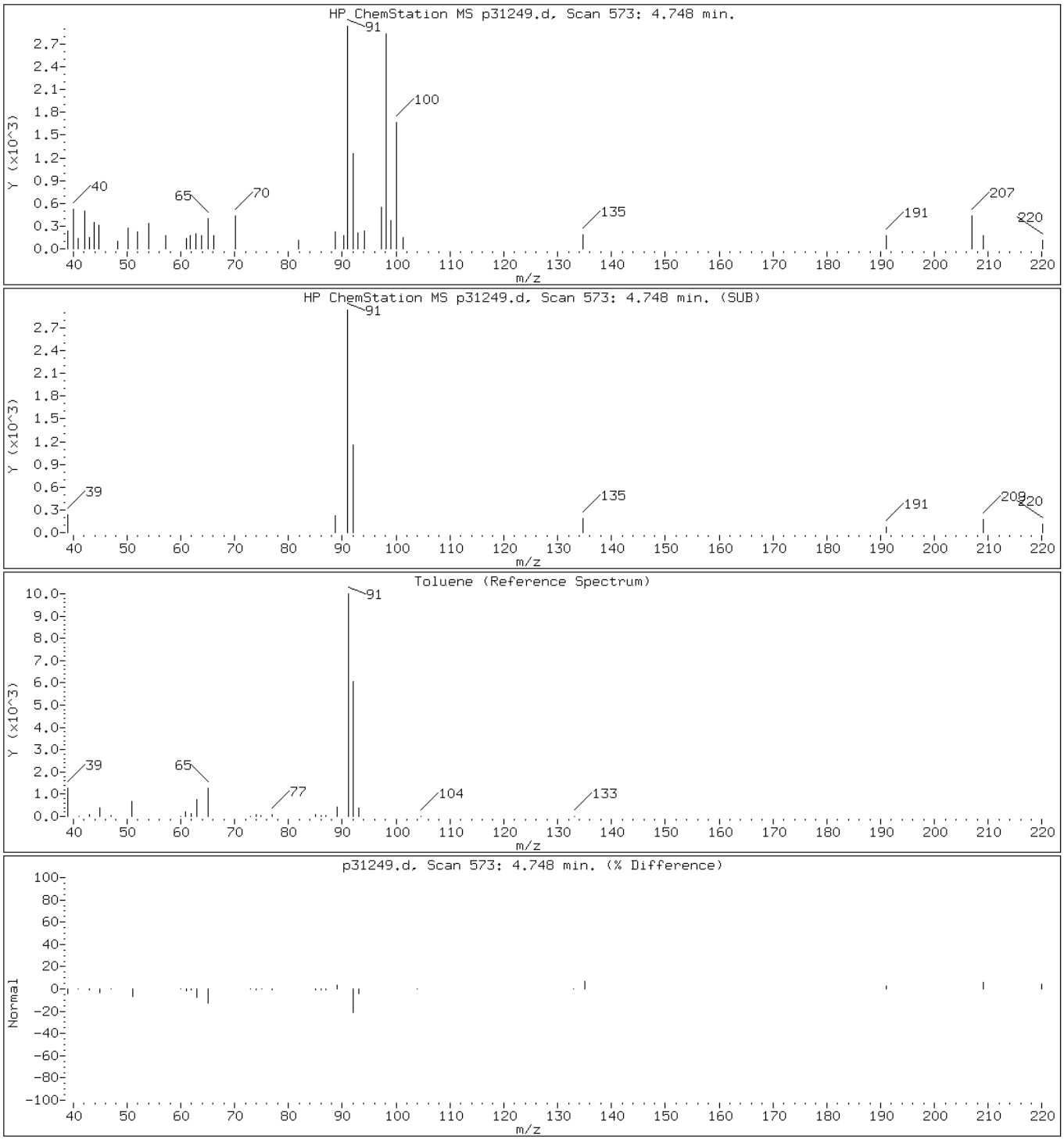
Data File: p31249.d

Date: 23-SEP-2009 15:47

Client ID: MW-28 Instrument: VOAMS13.i

Sample Info: 460-5774-B-8 Operator:

66 Toluene



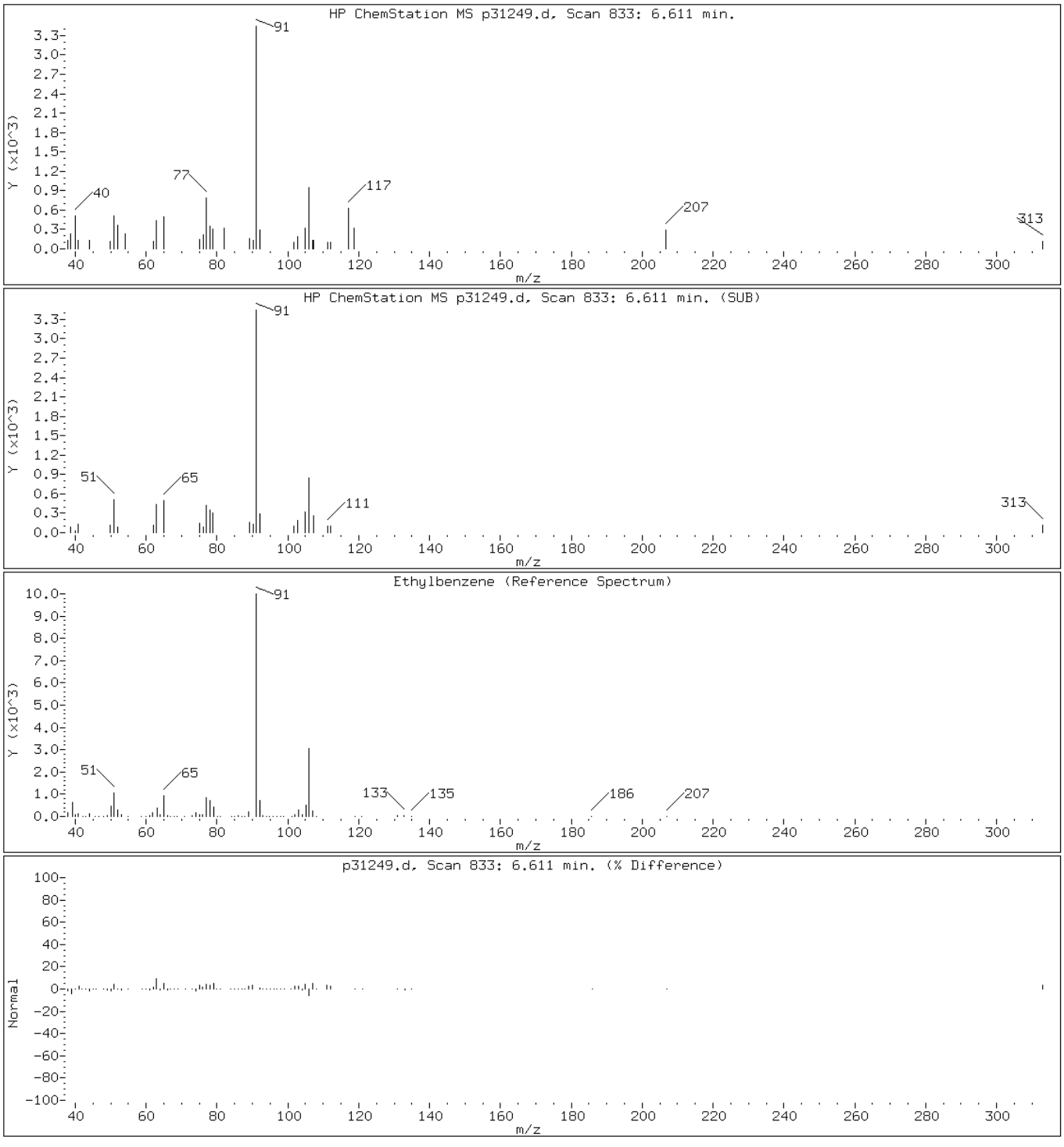
Data File: p31249.d

Date: 23-SEP-2009 15:47

Client ID: MW-28 Instrument: VOAMS13.i

Sample Info: 460-5774-B-8 Operator:

81 Ethylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: DUP-091609 | Lab Sample ID: 460-5774-9

Matrix: Water | Lab File ID: p31252.d

Analysis Method: 8260B | Date Collected: 09/16/2009 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 17:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17748 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 8.3 | J | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 7.9 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 6.5 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 38 | | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 99 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 91 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31252.d
Report Date: 24-Sep-2009 15:05

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31252.d
Lab Smp Id: 460-5774-B-9 Client Smp ID: DUP-091609
Inj Date : 23-SEP-2009 17:03
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5774-B-9
Misc Info : 460-5774-B-9
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 16 Acetone | 58 | 1.618 | 1.625 | (0.501) | 2946 | 8.30232 | 8.3(a) |
| | 18 Carbon Disulfide | 76 | 1.325 | 1.317 | (0.410) | 22778 | 1.52095 | 1.5 |
| | 24 TBA | 59 | 1.797 | 1.812 | (0.556) | 2616 | 5.87794 | 5.9(a) |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 4395 | 0.31031 | 0.31(a) |
| | 29 Hexane | 56 | 1.711 | 1.704 | (0.530) | 2657 | 0.68699 | 0.69(a) |
| | 30 1,1-Dichloroethane | 63 | 1.998 | 2.005 | (0.619) | 2097 | 0.25252 | 0.25(a) |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 10762 | 6.72401 | 6.7(H) |
| | 44 Cyclohexane | 56 | 2.449 | 2.442 | (0.758) | 24245 | 3.23383 | 3.2 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 201547 | 46.1737 | 46 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 148542 | 7.93907 | 7.9 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1000276 | 50.0000 | |
| | 56 Methyl cyclohexane | 83 | 3.345 | 3.337 | (1.035) | 15249 | 1.94832 | 1.9 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 661681 | 45.7346 | 46 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.729) | 134282 | 6.46443 | 6.5 |
| * | 78 Chlorobenzene-d5 | 117 | 6.503 | 6.503 | (1.000) | 739916 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 6.525 | 6.518 | (1.003) | 2617492 | 205.192 | 200 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31252.d
Report Date: 24-Sep-2009 15:05

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 81 Ethylbenzene | 106 | 6.611 | 6.611 | (1.017) | 257104 | 38.0844 | 38 |
| | 82 m+p-Xylene | 106 | 6.819 | 6.819 | (1.048) | 228475 | 26.7831 | 27 |
| | 84 o-Xylene | 106 | 7.399 | 7.399 | (1.138) | 362837 | 45.4661 | 45 |
| | 88 Isopropylbenzene | 105 | 7.879 | 7.879 | (1.211) | 90608 | 4.44826 | 4.4 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 255077 | 49.4825 | 49 |
| | 95 n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 124632 | 4.96844 | 5.0 |
| | 97 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.831 | (0.913) | 96196 | 5.69945 | 5.7 |
| | 100 tert-Butylbenzene | 119 | 9.204 | 9.197 | (0.952) | 5133 | 0.33931 | 0.34(a) |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 561704 | 31.9413 | 32 |
| | 103 sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 55972 | 2.49538 | 2.5 |
| | 105 1,3-Dichlorobenzene | 146 | 9.584 | 9.576 | (0.991) | 3946 | 0.37737 | 0.38(a) |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.669 | (1.000) | 388455 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 57588 | 5.27836 | 5.3 |
| | 106 n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 49641 | 2.79447 | 2.8 |
| | 111 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 59134 | 5.76274 | 5.8 |
| | 116 Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 784389 | 40.1569 | 40 |
| M | 121 Xylene (Total) | 100 | | | | 591312 | 70.8398 | 71 |

QC Flag Legend

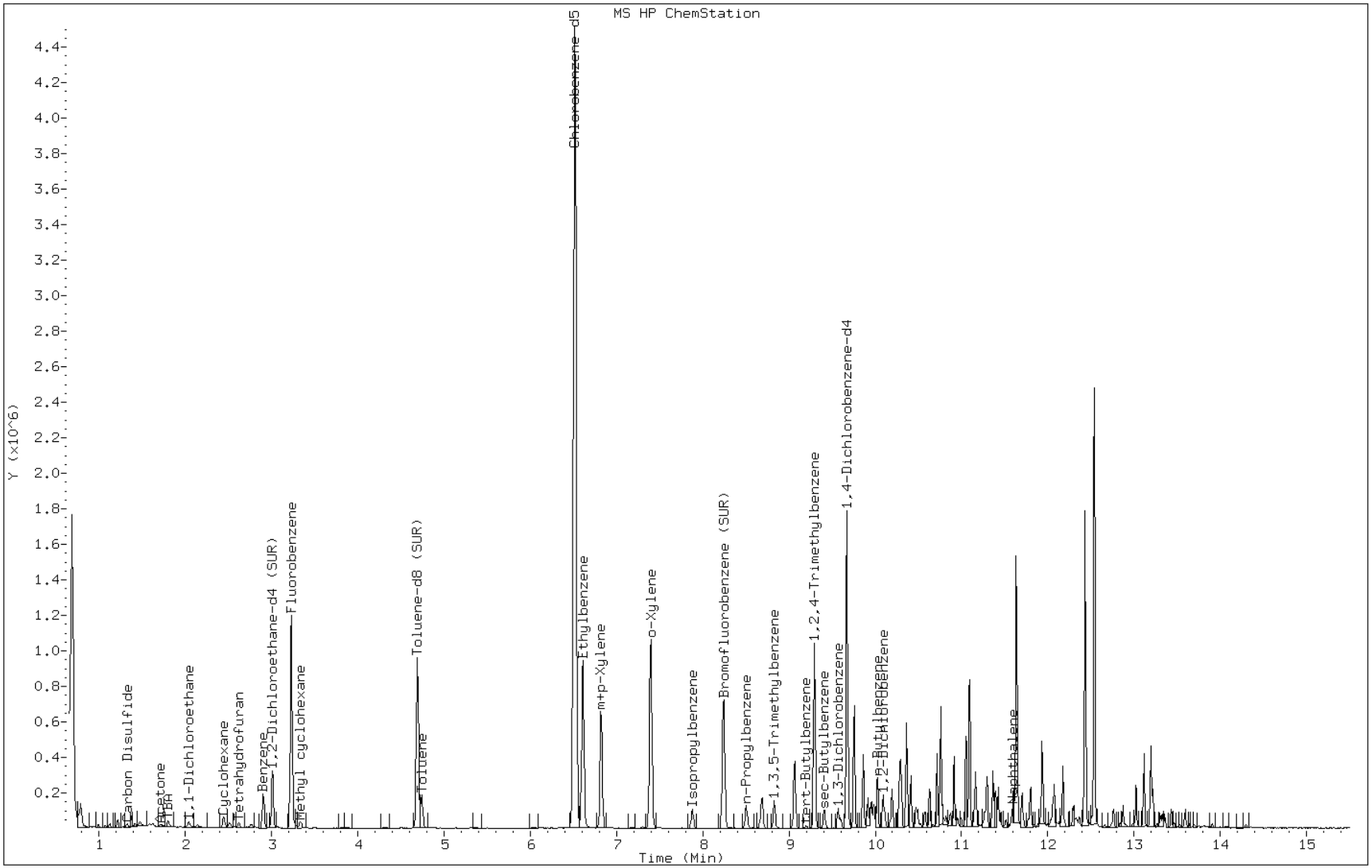
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: p31252.d

Date: 23-SEP-2009 17:03

Client ID: DUP-091609 Instrument: VOAMS13.i

Sample Info: 460-5774-B-9 Operator:



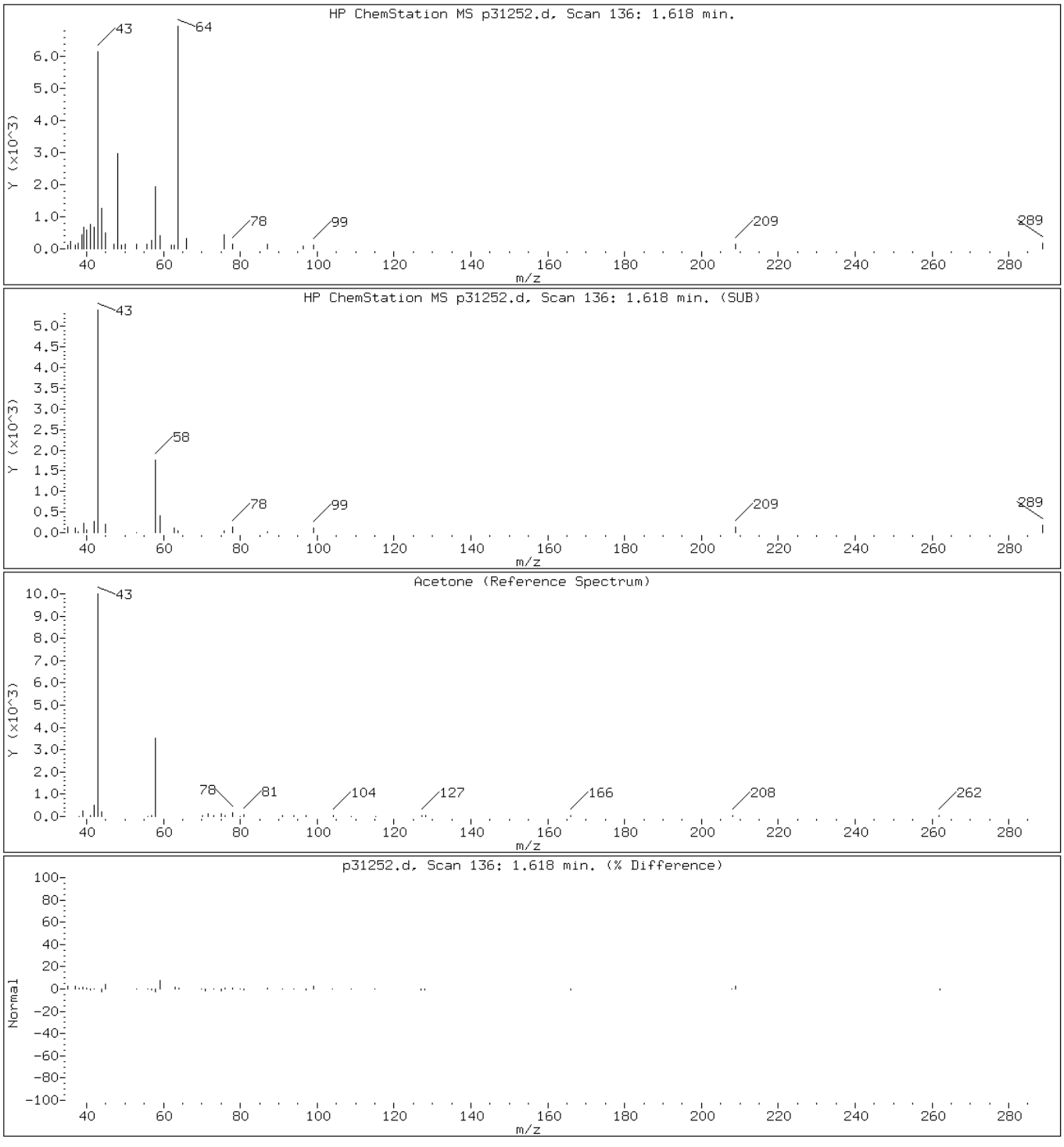
Data File: p31252.d

Date: 23-SEP-2009 17:03

Client ID: DUP-091609 Instrument: VOAMS13.i

Sample Info: 460-5774-B-9 Operator:

16 Acetone



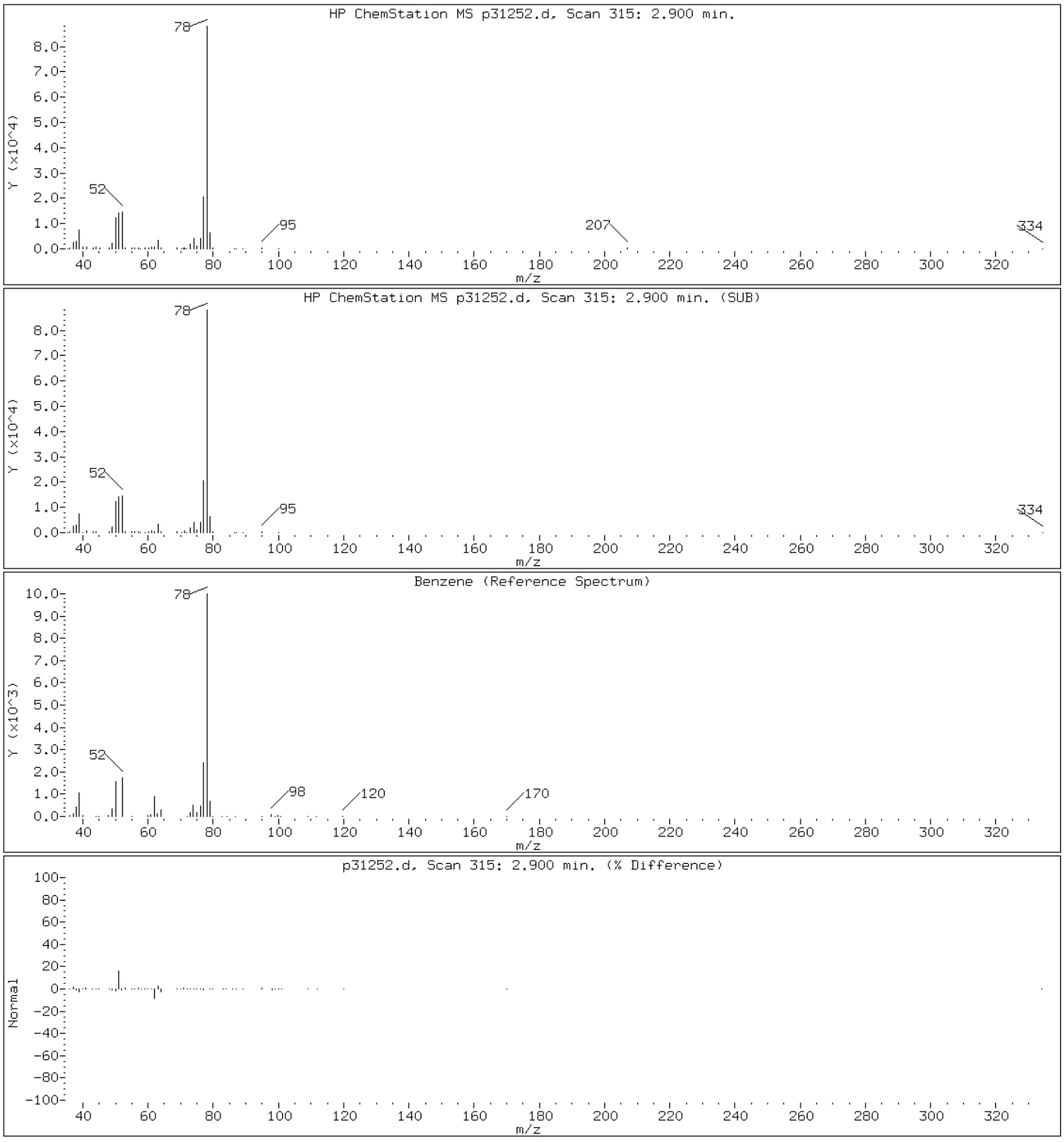
Data File: p31252.d

Date: 23-SEP-2009 17:03

Client ID: DUP-091609 Instrument: VOAMS13.i

Sample Info: 460-5774-B-9 Operator:

48 Benzene



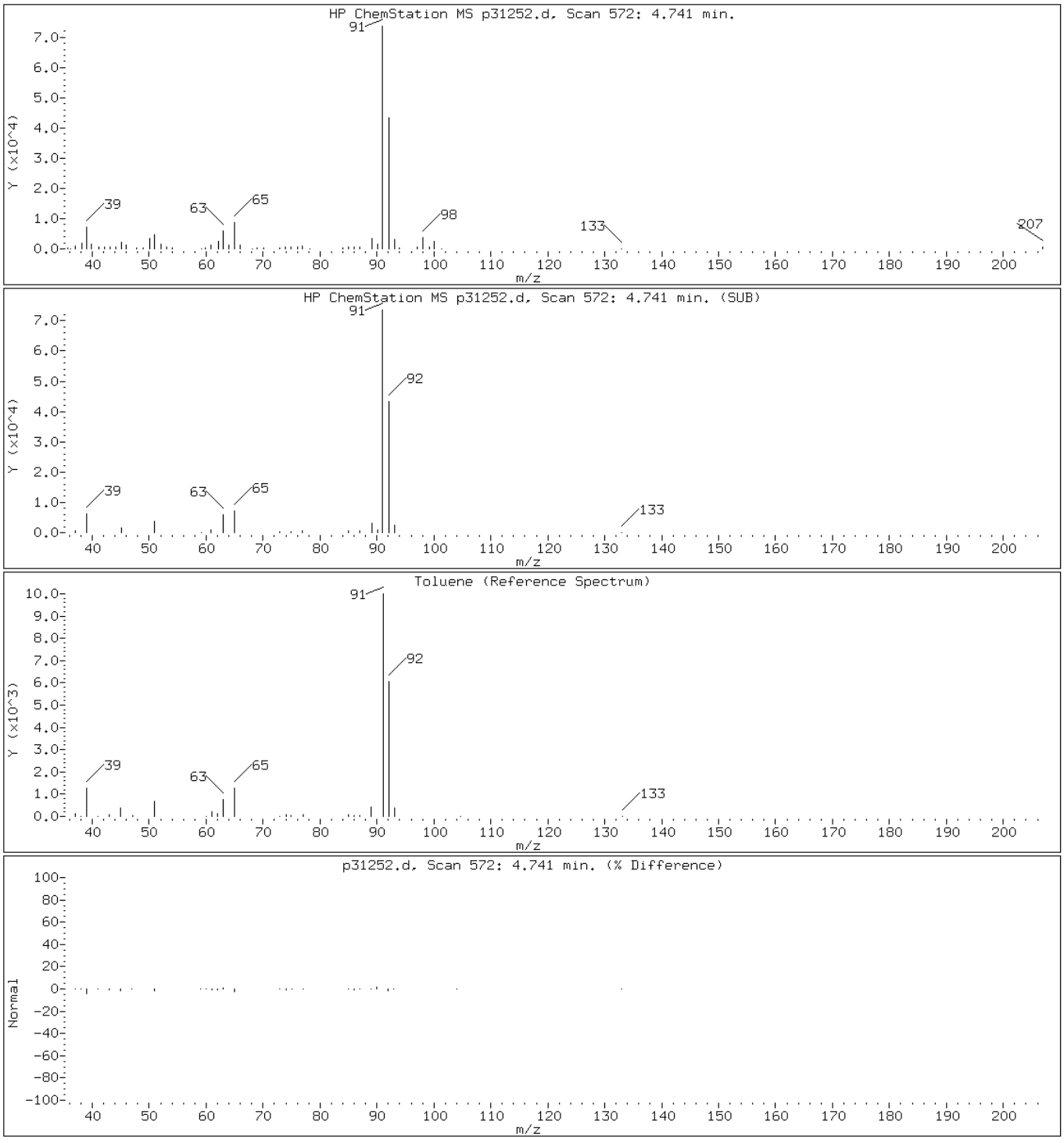
Data File: p31252.d

Date: 23-SEP-2009 17:03

Client ID: DUP-091609 Instrument: VOAMS13.i

Sample Info: 460-5774-B-9 Operator:

66 Toluene



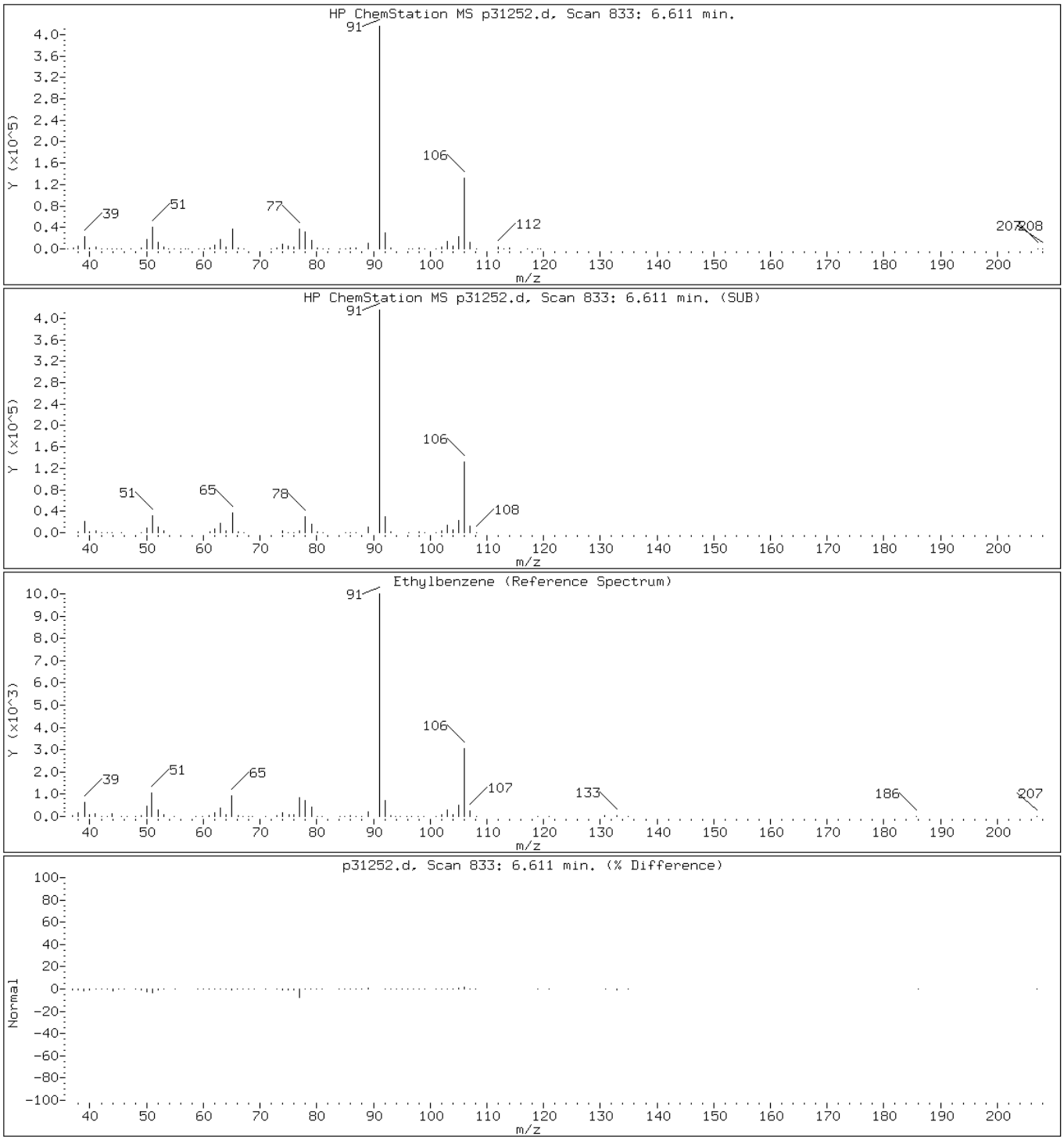
Data File: p31252.d

Date: 23-SEP-2009 17:03

Client ID: DUP-091609 Instrument: VOAMS13.i

Sample Info: 460-5774-B-9 Operator:

81 Ethylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: Trip Blank 091609 | Lab Sample ID: 460-5774-10

Matrix: Water | Lab File ID: p31197.d

Analysis Method: 8260B | Date Collected: 09/16/2009 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 02:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17559 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 100 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 92 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31197.d
Report Date: 28-Sep-2009 11:04

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31197.d
Lab Smp Id: 460-5774-C-10 Client Smp ID: Trip Blank 091609
Inj Date : 22-SEP-2009 02:22
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5774-C-10
Misc Info : 460-5774-C-10
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 23:36 ken Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

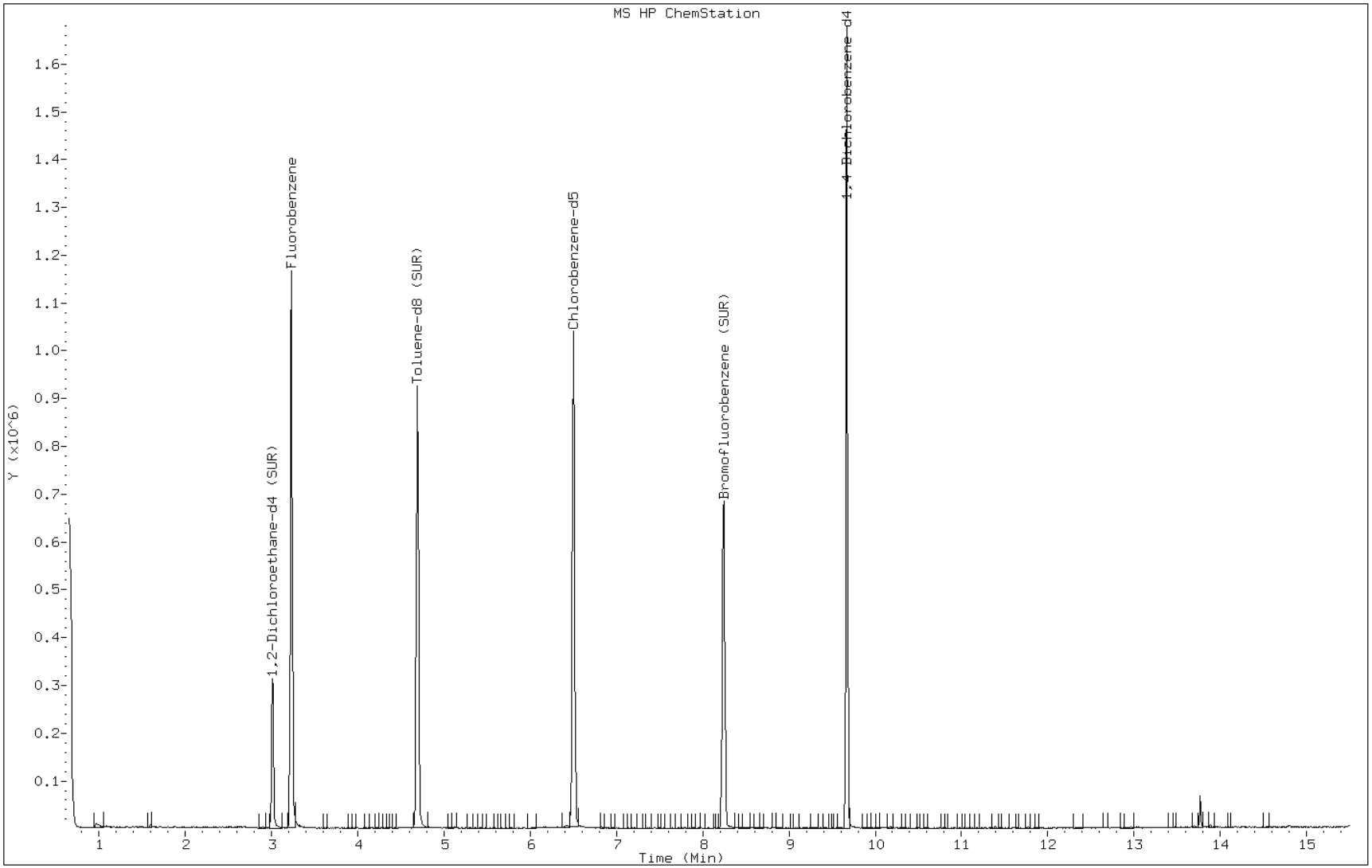
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 195426 | 46.0768 | 46 |
| * 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 971937 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 638455 | 46.0790 | 46 |
| * 78 Chlorobenzene-d5 | 117 | 6.503 | 6.496 | (1.000) | 708608 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 242007 | 49.8251 | 50 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.670 | (1.000) | 366017 | 50.0000 | |

Data File: p31197.d

Date: 22-SEP-2009 02:22

Client ID: Trip Blank 091609 Instrument: VOAMS13.i

Sample Info: 460-5774-C-10 Operator:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17263/2 | p31035.d |
| Level 2 | IC 460-17263/3 | p31037.d |
| Level 3 | ICIS 460-17263/7 | p31045.d |
| Level 4 | IC 460-17263/4 | p31040.d |
| Level 5 | IC 460-17263/5 | p31041.d |
| Level 6 | IC 460-17263/6 | p31042.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1-Chloropropane | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | 15.0 | | | |
| 2-Chloropropane | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | 15.0 | | | |
| 3-Chloro-1-propene | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | | | | |
| Dimethylnaphthalene (total) | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | 15.0 | | | |
| Methylnaphthalene (total) | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | 15.0 | | | |
| Propene | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | 15.0 | | | |
| Dichlorodifluoromethane | 0.1711<br>+++++ | 0.1488 | 0.1949 | 0.1598 | 0.1780 | Ave | | 0.1705 | | | | 10.3 | | 15.0 | | | |
| Chloromethane | 0.2131<br>0.1902 | 0.1963 | 0.2450 | 0.2012 | 0.2175 | Ave | | 0.2105 | | | 0.1000 | 9.4 | | 15.0 | | | |
| Vinyl chloride | 0.1863<br>0.1868 | 0.1994 | 0.2672 | 0.2176 | 0.2412 | Ave | | 0.2164 | | | | 15.0 | | 30.0 | | | |
| Bromomethane | 0.2153<br>0.1495 | 0.1483 | 0.1774 | 0.1128 | 0.1246 | LinF | | 0.1464 | | | | | | | 0.9940 | | 0.9900 |
| Chloroethane | 0.1414<br>0.1371 | 0.1271 | 0.1613 | 0.1372 | 0.1490 | Ave | | 0.1422 | | | | 8.3 | | 15.0 | | | |
| Trichlorofluoromethane | 0.2952<br>0.2595 | 0.2701 | 0.3697 | 0.3145 | 0.3491 | Ave | | 0.3097 | | | | 14.1 | | 15.0 | | | |
| 2-Methyl-1,3-butadiene | 0.4646<br>0.3223 | 0.3291 | 0.3662 | 0.4101 | 0.3519 | Ave | | 0.3740 | | | | 14.5 | | 15.0 | | | |
| 1,1-Dichloroethene | 0.1768<br>0.1786 | 0.2018 | 0.1885 | 0.1709 | 0.1789 | Ave | | 0.1826 | | | | 6.0 | | 30.0 | | | |
| Carbon disulfide | 1.3894<br>0.7468 | 0.7477 | 0.7864 | 0.8700 | 0.7505 | LinF | | 0.7486 | | | | | | | 0.9996 | | 0.9900 |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.3584<br>0.2211 | 0.2038 | 0.2326 | 0.2617 | 0.2231 | LinF | | 0.2218 | | | | | | | 0.9996 | | 0.9900 |
| Acrolein | 0.0179<br>0.0138 | 0.0147 | 0.0143 | 0.0131 | 0.0140 | Ave | | 0.0146 | | | | 11.4 | | 15.0 | | | |
| Isopropyl alcohol | 0.0130<br>0.0140 | 0.0144 | 0.0129 | 0.0139 | 0.0133 | Ave | | 0.0136 | | | | 4.4 | | 15.0 | | | |
| Methylene Chloride | 0.2109<br>0.2285 | 0.2689 | 0.2465 | 0.2275 | 0.2282 | Ave | | 0.2351 | | | | 8.5 | | 15.0 | | | |
| Acetone | 0.0370<br>0.0176 | 0.0268 | 0.0177 | 0.0222 | 0.0179 | LinF | | 0.0177 | | | | | | | 0.9981 | | 0.9900 |
| trans-1,2-Dichloroethene | 0.1995<br>0.2314 | 0.2682 | 0.2503 | 0.2209 | 0.2310 | Ave | | 0.2335 | | | | 10.2 | | 15.0 | | | |
| Methyl acetate | 0.0904<br>0.0665 | 0.0696 | 0.0589 | 0.0754 | 0.0650 | LinF | | 0.0664 | | | | | | | 0.9996 | | 0.9900 |
| Hexane | 0.3401<br>0.1923 | 0.1732 | 0.2043 | 0.2284 | 0.1966 | LinF | | 0.1933 | | | | | | | 0.9995 | | 0.9900 |
| Methyl tert-butyl ether | 0.7866<br>0.6867 | 0.6639 | 0.6356 | 0.7919 | 0.6832 | Ave | | 0.7080 | | | | 9.3 | | 15.0 | | | |
| 2-Methyl-2-propanol | 0.0328<br>0.0222 | 0.0241 | 0.0197 | 0.0254 | 0.0220 | LinF | | 0.0222 | | | | | | | 0.9997 | | 0.9900 |
| Acetonitrile | 0.0059<br>0.0047 | 0.0046 | 0.0047 | 0.0052 | 0.0047 | Ave | | 0.0050 | | | | 10.0 | | 15.0 | | | |
| Isopropyl ether | 0.9777<br>0.7554 | 0.7130 | 0.7241 | 0.8622 | 0.7482 | Ave | | 0.7968 | | | | 13.0 | | 15.0 | | | |
| 1,1-Dichloroethane | 0.3210<br>0.4207 | 0.4954 | 0.4449 | 0.3978 | 0.4108 | Ave | | 0.4151 | | | 0.1000 | 13.9 | | 15.0 | | | |
| Acrylonitrile | 0.0685<br>0.0783 | 0.0815 | 0.0791 | 0.0676 | 0.0786 | Ave | | 0.0756 | | | | 7.9 | | 15.0 | | | |
| Tert-butyl ethyl ether | 0.9037<br>0.7482 | 0.6924 | 0.7018 | 0.8408 | 0.7425 | Ave | | 0.7716 | | | | 10.8 | | 15.0 | | | |
| cis-1,2-Dichloroethene | 0.2359<br>0.2254 | 0.2941 | 0.2625 | 0.2403 | 0.2482 | Ave | | 0.2511 | | | | 9.7 | | 15.0 | | | |
| 2,2-Dichloropropane | 0.2867<br>0.2998 | 0.3774 | 0.3506 | 0.3078 | 0.3048 | Ave | | 0.3212 | | | | 10.9 | | 15.0 | | | |
| Cyclohexane | 0.5302<br>0.3744 | 0.3503 | 0.4058 | 0.4383 | 0.3722 | LinF | | 0.3748 | | | | | | | 0.9996 | | 0.9900 |
| Chlorobromomethane | 0.0984<br>0.1052 | 0.1322 | 0.1116 | 0.1030 | 0.1053 | Ave | | 0.1093 | | | | 11.0 | | 15.0 | | | |
| Chloroform | 0.2864<br>0.3616 | 0.4154 | 0.3816 | 0.3518 | 0.3561 | Ave | | 0.3588 | | | | 11.8 | | 30.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Carbon tetrachloride | 0.2150<br>0.2694 | 0.2918 | 0.2803 | 0.2566 | 0.2681 | Ave | | 0.2635 | | | | 10.1 | | 15.0 | | | |
| Ethyl acetate | 0.0362<br>0.0212 | 0.0193 | 0.0209 | 0.0243 | 0.0213 | LinF | | 0.0212 | | | | | | | 0.9997 | | 0.9900 |
| Tetrahydrofuran | 0.1247<br>0.0798 | 0.0849 | 0.0755 | 0.0911 | 0.0804 | LinF | | 0.0800 | | | | | | | 0.9997 | | 0.9900 |
| 1,1,1-Trichloroethane | 0.2278<br>0.3148 | 0.3563 | 0.3280 | 0.3096 | 0.3111 | Ave | | 0.3079 | | | | 13.9 | | 15.0 | | | |
| 1,1-Dichloropropene | 0.2800<br>0.2933 | 0.3138 | 0.3060 | 0.2797 | 0.2928 | Ave | | 0.2943 | | | | 4.7 | | 15.0 | | | |
| 2-Butanone (MEK) | 0.0227<br>0.0351 | 0.0269 | 0.0341 | 0.0377 | 0.0340 | LinF | | 0.0349 | | | | | | | 0.9996 | | 0.9900 |
| n-Heptane | 0.3156<br>0.1309 | 0.1086 | 0.1373 | 0.1520 | 0.1358 | LinF | | 0.1318 | | | | | | | 0.9994 | | 0.9900 |
| Benzene | 1.0581<br>1.2516 | 1.4338 | 1.3459 | 1.2332 | 1.2635 | Ave | | 1.2644 | | | | 9.9 | | 15.0 | | | |
| Tert-amyl methyl ether | 0.6744<br>0.6185 | 0.5450 | 0.5235 | 0.6726 | 0.6102 | Ave | | 0.6074 | | | | 10.4 | | 15.0 | | | |
| 1,2-Dichloroethane | 0.2447<br>0.2798 | 0.3315 | 0.2889 | 0.2704 | 0.2762 | Ave | | 0.2819 | | | | 10.1 | | 15.0 | | | |
| Isopropyl acetate | 0.3957<br>0.3611 | 0.3121 | 0.3028 | 0.3886 | 0.3527 | Ave | | 0.3522 | | | | 10.9 | | 15.0 | | | |
| Methylcyclohexane | 0.5035<br>0.3915 | 0.3080 | 0.3612 | 0.4287 | 0.3872 | LinF | | 0.3912 | | | | | | | 0.9998 | | 0.9900 |
| Trichloroethene | 0.2379<br>0.2243 | 0.2568 | 0.2262 | 0.2102 | 0.2219 | Ave | | 0.2295 | | | | 7.0 | | 15.0 | | | |
| Dibromomethane | 0.0942<br>0.1237 | 0.1466 | 0.1221 | 0.1188 | 0.1240 | Ave | | 0.1216 | | | | 13.7 | | 15.0 | | | |
| n-Butanol | 0.0016<br>0.0046 | 0.0034 | 0.0036 | 0.0040 | 0.0042 | QuaF | | 316.91 | -367.8 | | | | | | 0.9928 | | 0.9900 |
| 1,2-Dichloropropane | 0.1880<br>0.2244 | 0.2478 | 0.2265 | 0.2119 | 0.2228 | Ave | | 0.2203 | | | | 8.9 | | 30.0 | | | |
| Dichlorobromomethane | 0.2234<br>0.2936 | 0.3355 | 0.2863 | 0.2767 | 0.2877 | Ave | | 0.2839 | | | | 12.7 | | 15.0 | | | |
| Ethyl acrylate | 0.2971<br>0.2379 | 0.2269 | 0.2041 | 0.2625 | 0.2372 | Ave | | 0.2443 | | | | 13.1 | | 15.0 | | | |
| Methyl methacrylate | 0.0736<br>0.0562 | 0.0563 | 0.0510 | 0.0621 | 0.0559 | Ave | | 0.0592 | | | | 13.3 | | 15.0 | | | |
| 1,4-Dioxane | 0.0023<br>0.0024 | 0.0024 | 0.0023 | 0.0025 | 0.0024 | Ave | | 0.0024 | | | | 4.1 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| n-Propyl acetate | 0.2933<br>0.2586 | 0.2421 | 0.2266 | 0.2877 | 0.2582 | Ave | | 0.2611 | | | | 9.9 | | 15.0 | | | |
| 2-Chloroethyl vinyl ether | 0.1420<br>0.1405 | 0.1299 | 0.1230 | 0.1562 | 0.1398 | Ave | | 0.1386 | | | | 8.2 | | 15.0 | | | |
| cis-1,3-Dichloropropene | 0.3915<br>0.5111 | 0.5529 | 0.5219 | 0.5017 | 0.5174 | Ave | | 0.4994 | | | | 11.1 | | 15.0 | | | |
| Toluene | 1.5838<br>1.3074 | 1.5726 | 1.3760 | 1.2608 | 1.3216 | Ave | | 1.4037 | | | | 10.0 | | 30.0 | | | |
| Epichlorohydrin | 0.0349<br>0.0283 | 0.0294 | 0.0278 | 0.0345 | 0.0292 | Ave | | 0.0307 | | | | 10.3 | | 15.0 | | | |
| Tetrachloroethene | 0.3304<br>0.3180 | 0.3274 | 0.3098 | 0.3025 | 0.3233 | Ave | | 0.3186 | | | | 3.4 | | 15.0 | | | |
| 4-Methyl-2-pentanone (MIBK) | 0.1934<br>0.2358 | 0.2091 | 0.2080 | 0.2693 | 0.2430 | Ave | | 0.2264 | | | | 12.4 | | 15.0 | | | |
| trans-1,3-Dichloropropene | 0.3945<br>0.4743 | 0.5054 | 0.4634 | 0.4566 | 0.4795 | Ave | | 0.4623 | | | | 8.0 | | 15.0 | | | |
| 1,1,2-Trichloroethane | 0.1838<br>0.2154 | 0.2423 | 0.2184 | 0.2115 | 0.2191 | Ave | | 0.2151 | | | | 8.7 | | 15.0 | | | |
| Chlorodibromomethane | 0.2127<br>0.3043 | 0.3170 | 0.2839 | 0.2840 | 0.3082 | Ave | | 0.2850 | | | | 13.3 | | 15.0 | | | |
| 1,3-Dichloropropane | 0.3793<br>0.4605 | 0.5229 | 0.4675 | 0.4539 | 0.4699 | Ave | | 0.4590 | | | | 10.1 | | 15.0 | | | |
| Ethylene Dibromide | 0.2010<br>0.2620 | 0.2821 | 0.2556 | 0.2534 | 0.2650 | Ave | | 0.2532 | | | | 10.9 | | 15.0 | | | |
| n-Butyl acetate | 0.0837<br>0.0678 | 0.0721 | 0.0667 | 0.0785 | 0.0699 | Ave | | 0.0731 | | | | 9.1 | | 15.0 | | | |
| 2-Hexanone | 0.1505<br>0.1782 | 0.1712 | 0.1894 | 0.2139 | 0.1762 | Ave | | 0.1799 | | | | 11.7 | | 15.0 | | | |
| Chlorobenzene | 0.8508<br>0.8464 | 0.9564 | 0.8681 | 0.8031 | 0.8473 | Ave | | 0.8620 | | | 0.3000 | 5.9 | | 15.0 | | | |
| Ethylbenzene | 0.4465<br>0.4532 | 0.4937 | 0.4642 | 0.4256 | 0.4540 | Ave | | 0.4562 | | | | 4.9 | | 30.0 | | | |
| 1,1,1,2-Tetrachloroethane | 0.2540<br>0.3065 | 0.2957 | 0.2729 | 0.2779 | 0.3052 | Ave | | 0.2854 | | | | 7.2 | | 15.0 | | | |
| m-Xylene & p-Xylene | 0.6009<br>0.5777 | 0.6035 | 0.5797 | 0.5316 | 0.5652 | Ave | | 0.5765 | | | | 4.6 | | 15.0 | | | |
| o-Xylene | 0.5076<br>0.5399 | 0.6060 | 0.5425 | 0.5033 | 0.5363 | Ave | | 0.5393 | | | | 6.8 | | 15.0 | | | |
| Bromoform | 0.1323<br>0.2007 | 0.1842 | 0.1723 | 0.1751 | 0.1991 | Ave | | 0.1773 | | | 0.1000 | 14.1 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Styrene | 0.8719<br>0.9685 | 1.0394 | 0.9632 | 0.8895 | 0.9451 | Ave | | 0.9463 | | | | 6.4 | | 15.0 | | | |
| n-Butyl acrylate | 0.2755<br>0.2109 | 0.2025 | 0.1919 | 0.2292 | 0.2061 | Ave | | 0.2193 | | | | 13.7 | | 15.0 | | | |
| Isopropylbenzene | 1.3303<br>1.4042 | 1.4361 | 1.4056 | 1.3045 | 1.3782 | Ave | | 1.3765 | | | | 3.6 | | 15.0 | | | |
| Camphene | 0.6859<br>0.5102 | 0.4407 | 0.5052 | 0.5517 | 0.5054 | LinF | | 0.5099 | | | | | | | 0.9999 | | 0.9900 |
| Bromobenzene | 0.7006<br>0.6493 | 0.7418 | 0.6777 | 0.6255 | 0.6525 | Ave | | 0.6746 | | | | 6.2 | | 15.0 | | | |
| N-Propylbenzene | 3.5034<br>3.1820 | 3.3509 | 3.1906 | 2.9951 | 3.1506 | Ave | | 3.2288 | | | | 5.4 | | 15.0 | | | |
| 1,1,2,2-Tetrachloroethane | 0.5324<br>0.6011 | 0.6671 | 0.5640 | 0.5683 | 0.6029 | Ave | | 0.5893 | | | 0.3000 | 7.8 | | 15.0 | | | |
| 2-Chlorotoluene | 1.9652<br>1.8654 | 2.0230 | 1.8943 | 1.7740 | 1.8385 | Ave | | 1.8934 | | | | 4.7 | | 15.0 | | | |
| 1,2,3-Trichloropropane | 0.1301<br>0.1750 | 0.1995 | 0.1631 | 0.1677 | 0.1771 | Ave | | 0.1688 | | | | 13.5 | | 15.0 | | | |
| 1,3,5-Trimethylbenzene | 2.1871<br>2.3199 | 2.1705 | 2.0564 | 2.0227 | 2.2782 | Ave | | 2.1725 | | | | 5.4 | | 15.0 | | | |
| trans-1,4-Dichloro-2-butene | 0.2295<br>0.1980 | 0.1952 | 0.1899 | 0.2250 | 0.2002 | Ave | | 0.2063 | | | | 8.1 | | 15.0 | | | |
| 4-Chlorotoluene | 2.2724<br>2.0177 | 2.1855 | 2.0547 | 1.9234 | 2.0031 | Ave | | 2.0762 | | | | 6.2 | | 15.0 | | | |
| tert-Butylbenzene | 1.9053<br>1.9917 | 2.0200 | 1.9508 | 1.8405 | 1.9746 | Ave | | 1.9471 | | | | 3.3 | | 15.0 | | | |
| 1,2,4-Trimethylbenzene | 2.2527<br>2.4439 | 2.2731 | 2.1594 | 2.0929 | 2.3591 | Ave | | 2.2635 | | | | 5.7 | | 15.0 | | | |
| Butyl Methacrylate | 0.9221<br>0.7697 | 0.6272 | 0.6351 | 0.7785 | 0.7325 | Ave | | 0.7442 | | | | 14.6 | | 15.0 | | | |
| sec-Butylbenzene | 2.9834<br>2.9414 | 2.8784 | 2.8702 | 2.7084 | 2.9409 | Ave | | 2.8871 | | | | 3.4 | | 15.0 | | | |
| 1,3-Dichlorobenzene | 1.3414<br>1.3599 | 1.4358 | 1.3570 | 1.2498 | 1.3318 | Ave | | 1.3459 | | | | 4.4 | | 15.0 | | | |
| 4-Isopropyltoluene | 2.5409<br>2.6429 | 2.5181 | 2.4490 | 2.3326 | 2.6218 | Ave | | 2.5175 | | | | 4.6 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.4918<br>1.3673 | 1.5209 | 1.3837 | 1.2962 | 1.3659 | Ave | | 1.4043 | | | | 6.1 | | 15.0 | | | |
| 2-Octanol | 0.0997<br>0.1964 | 0.1095 | 0.1191 | 0.1675 | 0.1830 | LinF | | 0.1944 | | | | | | | 0.9986 | | 0.9900 |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Octanone | 0.7542<br>0.7004 | 0.6309 | 0.5999 | 0.7253 | 0.6691 | Ave | | 0.6800 | | | | 8.6 | | 15.0 | | | |
| Benzyl chloride | 1.8308<br>1.3451 | 1.3602 | 1.4341 | 1.5902 | 1.3798 | Ave | | 1.4900 | | | | 12.7 | | 15.0 | | | |
| n-Butylbenzene | 2.4328<br>2.3239 | 2.2370 | 2.2086 | 2.1200 | 2.3967 | Ave | | 2.2865 | | | | 5.2 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.3481<br>1.2942 | 1.4360 | 1.3239 | 1.2302 | 1.2924 | Ave | | 1.3208 | | | | 5.2 | | 15.0 | | | |
| 1,2-Dibromo-3-Chloropropane | 0.1180<br>0.1259 | 0.1586 | 0.1273 | 0.1242 | 0.1337 | Ave | | 0.1313 | | | | 10.9 | | 15.0 | | | |
| 1,2,4-Trichlorobenzene | 1.1029<br>0.9553 | 1.0325 | 0.9824 | 0.9400 | 0.9885 | Ave | | 1.0003 | | | | 5.9 | | 15.0 | | | |
| Hexachlorobutadiene | 0.5251<br>0.3751 | 0.3891 | 0.3859 | 0.3695 | 0.3993 | Ave | | 0.4073 | | | | 14.4 | | 15.0 | | | |
| Camphor | 0.0931<br>0.0690 | 0.0702 | 0.0693 | 0.0865 | 0.0728 | Ave | | 0.0768 | | | | 13.5 | | 15.0 | | | |
| Naphthalene | 2.9702<br>2.0787 | 2.7709 | 2.4540 | 2.4063 | 2.4051 | Ave | | 2.5142 | | | | 12.5 | | 15.0 | | | |
| 1,2,3-Trichlorobenzene | 1.0139<br>0.8430 | 0.9273 | 0.8904 | 0.8564 | 0.8725 | Ave | | 0.9006 | | | | 7.0 | | 15.0 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 0.2166<br>0.2250 | 0.2192 | 0.2146 | 0.2155 | 0.2183 | Ave | | 0.2182 | | | | 1.7 | | 15.0 | | | |
| Toluene-d8 (Surr) | 0.9571<br>0.9799 | 0.9673 | 0.9839 | 0.9855 | 0.9923 | Ave | | 0.9777 | | | | 1.3 | | 15.0 | | | |
| 4-Bromofluorobenzene | 0.6586<br>0.6498 | 0.6660 | 0.6784 | 0.6707 | 0.6574 | Ave | | 0.6635 | | | | 1.6 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17263/2 | p31035.d |
| Level 2 | IC 460-17263/3 | p31037.d |
| Level 3 | ICIS 460-17263/7 | p31045.d |
| Level 4 | IC 460-17263/4 | p31040.d |
| Level 5 | IC 460-17263/5 | p31041.d |
| Level 6 | IC 460-17263/6 | p31042.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1-Chloropropane | FB | Ave | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ |
| 2-Chloropropane | FB | Ave | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ |
| 3-Chloro-1-propene | FB | Ave | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ |
| Dimethylnaphthalene (total) | DCB | Ave | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ |
| Methylnaphthalene (total) | DCB | Ave | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ |
| Propene | FB | Ave | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ |
| Dichlorodifluoromethane | FB | Ave | 3601<br>+++++ | 15464 | 85269 | 172847 | 805616 | 1.00<br>+++++ | 5.00 | 20.0 | 50.0 | 200 |
| Chloromethane | FB | Ave | 4484<br>2242182 | 20407 | 107213 | 217661 | 984227 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Vinyl chloride | FB | Ave | 3921<br>2202098 | 20721 | 116922 | 235368 | 1091521 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Bromomethane | FB | LinF | 4530<br>1763155 | 15415 | 77617 | 122025 | 563809 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chloroethane | FB | Ave | 2975<br>1616242 | 13206 | 70596 | 148383 | 674426 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Trichlorofluoromethane | FB | Ave | 6211<br>3059401 | 28073 | 161784 | 340246 | 1579982 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Methyl-1,3-butadiene | FB | Ave | 9777<br>3800677 | 34201 | 160239 | 443644 | 1592882 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1-Dichloroethene | FB | Ave | 3720<br>2105665 | 20979 | 82479 | 184851 | 809621 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Carbon disulfide | FB | LinF | 29237<br>8805644 | 77715 | 344116 | 941156 | 3396954 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | FB | LinF | 7542<br>2606501 | 21187 | 101775 | 283091 | 1009607 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Acrolein | FB | Ave | 1504<br>130266 | 6091 | 12535 | 28420 | 63335 | 4.00<br>400 | 20.0 | 40.0 | 100 | 200 |
| Isopropyl alcohol | FB | Ave | 273524<br>1980621 | 596808 | 844788 | 1205067 | 1507066 | 1000<br>6000 | 2000 | 3000 | 4000 | 5000 |
| Methylene Chloride | FB | Ave | 4437<br>2694293 | 27943 | 107868 | 246107 | 1032801 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Acetone | FB | LinF | 7785<br>207763 | 8368 | 7743 | 23985 | 81176 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| trans-1,2-Dichloroethene | FB | Ave | 4197<br>2728466 | 27873 | 109516 | 238966 | 1045594 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Methyl acetate | FB | LinF | 1902<br>784121 | 7237 | 25754 | 81624 | 294243 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Hexane | FB | LinF | 7156<br>2267986 | 18006 | 89380 | 247098 | 889994 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Methyl tert-butyl ether | FB | Ave | 16552<br>8096611 | 69003 | 278124 | 856718 | 3091973 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Methyl-2-propanol | FB | LinF | 13787<br>5246546 | 50094 | 172318 | 549321 | 1994320 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |
| Acetonitrile | FB | Ave | 2490<br>1115085 | 9590 | 41424 | 111981 | 426057 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |
| Isopropyl ether | FB | Ave | 20573<br>8907032 | 74108 | 316857 | 932805 | 3386272 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1-Dichloroethane | FB | Ave | 6755<br>4960819 | 51486 | 194673 | 430369 | 1859181 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Acrylonitrile | FB | Ave | 2882<br>369168 | 16945 | 34634 | 73180 | 177973 | 2.00<br>200 | 10.0 | 20.0 | 50.0 | 100 |
| Tert-butyl ethyl ether | FB | Ave | 19016<br>8822585 | 71964 | 307095 | 909657 | 3360415 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| cis-1,2-Dichloroethene | FB | Ave | 4965<br>2657825 | 30563 | 114889 | 259932 | 1123192 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2,2-Dichloropropane | FB | Ave | 6033<br>3535282 | 39224 | 153408 | 333012 | 1379753 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Cyclohexane | FB | LinF | 11156<br>4414138 | 36410 | 177594 | 474179 | 1684784 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chlorobromomethane | FB | Ave | 2070<br>1239934 | 13737 | 48814 | 111456 | 476655 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chloroform | FB | Ave | 6027<br>4263437 | 43173 | 166999 | 380551 | 1611585 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Carbon tetrachloride | FB | Ave | 4525<br>3176402 | 30323 | 122648 | 277620 | 1213586 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethyl acetate | FB | LinF | 1523<br>499715 | 4009 | 18249 | 52672 | 192620 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Tetrahydrofuran | FB | LinF | 2624<br>941241 | 8819 | 33036 | 98538 | 363709 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,1-Trichloroethane | FB | Ave | 4793<br>3711608 | 37027 | 143542 | 334925 | 1408177 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1-Dichloropropene | FB | Ave | 5892<br>3457999 | 32611 | 133899 | 302596 | 1325223 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Butanone (MEK) | FB | LinF | 4775<br>413493 | 8395 | 14903 | 40812 | 153744 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| n-Heptane | FB | LinF | 6642<br>1542942 | 11287 | 60096 | 164404 | 614754 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Benzene | CBZ | Ave | 15719<br>10705476 | 105782 | 403827 | 929964 | 4023997 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Tert-amyl methyl ether | FB | Ave | 14191<br>7292196 | 56647 | 229098 | 727592 | 2761959 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichloroethane | FB | Ave | 5150<br>3298953 | 34458 | 126405 | 292528 | 1249866 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropyl acetate | FB | Ave | 16654<br>8516236 | 64869 | 265035 | 840786 | 3192592 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| Methylcyclohexane | FB | LinF | 10596<br>4616197 | 32008 | 158045 | 463759 | 1752662 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Trichloroethene | FB | Ave | 5006<br>2644268 | 26690 | 98992 | 227451 | 1004212 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Dibromomethane | FB | Ave | 1983<br>1458367 | 15241 | 53423 | 128539 | 561203 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butanol | FB | QuaF | 16692<br>325361 | 70580 | 118349 | 171059 | 238726 | 500<br>3000 | 1000 | 1500 | 2000 | 2500 |
| 1,2-Dichloropropane | FB | Ave | 3957<br>2645930 | 25755 | 99135 | 229202 | 1008624 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Dichlorobromomethane | FB | Ave | 4702<br>3461284 | 34868 | 125266 | 299313 | 1302076 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethyl acrylate | FB | Ave | 6251<br>2805238 | 23586 | 89297 | 283951 | 1073645 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Methyl methacrylate | FB | Ave | 1548<br>662801 | 5850 | 22330 | 67171 | 253163 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,4-Dioxane | FB | Ave | 48066<br>344623 | 98659 | 148210 | 218014 | 269066 | 1000<br>6000 | 2000 | 3000 | 4000 | 5000 |
| n-Propyl acetate | FB | Ave | 12343<br>6098390 | 50335 | 198318 | 622496 | 2336880 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| 2-Chloroethyl vinyl ether | FB | Ave | 2988<br>1656490 | 13503 | 53832 | 168932 | 632776 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| cis-1,3-Dichloropropene | CBZ | Ave | 5816<br>4372035 | 40793 | 156605 | 378349 | 1647644 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Toluene | CBZ | Ave | 23529<br>11182858 | 116023 | 412872 | 950763 | 4208868 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Epichlorohydrin | CBZ | Ave | 10367<br>4848344 | 43386 | 166979 | 520361 | 1857192 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |
| Tetrachloroethene | CBZ | Ave | 4909<br>2720020 | 24157 | 92953 | 228112 | 1029740 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Methyl-2-pentanone (MIBK) | CBZ | Ave | 28735<br>2017075 | 46278 | 62411 | 203070 | 773864 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| trans-1,3-Dichloropropene | CBZ | Ave | 5861<br>4057325 | 37286 | 139041 | 344341 | 1527170 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2-Trichloroethane | CBZ | Ave | 2731<br>1842519 | 17878 | 65541 | 159457 | 697766 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chlorodibromomethane | CBZ | Ave | 3160<br>2602480 | 23387 | 85176 | 214181 | 981489 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3-Dichloropropane | CBZ | Ave | 5635<br>3939006 | 38576 | 140279 | 342247 | 1496677 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethylene Dibromide | CBZ | Ave | 2986<br>2241086 | 20812 | 76691 | 191069 | 844054 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butyl acetate | CBZ | Ave | 2486<br>1160217 | 10636 | 40025 | 118452 | 445185 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| 2-Hexanone | CBZ | Ave | 22362<br>1524023 | 37891 | 56828 | 161332 | 561312 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| Chlorobenzene | CBZ | Ave | 12639<br>7239628 | 70560 | 260480 | 605593 | 2698420 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethylbenzene | CBZ | Ave | 6633<br>3876161 | 36424 | 139282 | 320953 | 1445846 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,1,2-Tetrachloroethane | CBZ | Ave | 3774<br>2621715 | 21815 | 81869 | 209552 | 971857 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| m-Xylene & p-Xylene | CBZ | Ave | 17854<br>9883139 | 89056 | 347887 | 801752 | 3600248 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| o-Xylene | CBZ | Ave | 7541<br>4617778 | 44713 | 162780 | 379554 | 1707936 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Bromoform | CBZ | Ave | 1966<br>1716648 | 13587 | 51707 | 132056 | 634045 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Styrene | CBZ | Ave | 12953<br>8283953 | 76688 | 289007 | 670786 | 3010038 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butyl acrylate | CBZ | Ave | 4092<br>1803908 | 14941 | 57566 | 172822 | 656302 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropylbenzene | CBZ | Ave | 19762<br>12011073 | 105955 | 421734 | 983659 | 4389144 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Camphene | CBZ | LinF | 10190<br>4363753 | 32515 | 151596 | 416016 | 1609690 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Bromobenzene | DCB | Ave | 5740<br>3120516 | 29940 | 111845 | 256462 | 1154903 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| N-Propylbenzene | DCB | Ave | 28703<br>15292138 | 135241 | 526538 | 1228111 | 5576673 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2,2-Tetrachloroethane | DCB | Ave | 4362<br>2888784 | 26925 | 93075 | 233036 | 1067157 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Chlorotoluene | DCB | Ave | 16101<br>8964816 | 81646 | 312612 | 727410 | 3254200 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,3-Trichloropropane | DCB | Ave | 1066<br>841002 | 8053 | 26912 | 68754 | 313485 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3,5-Trimethylbenzene | DCB | Ave | 17919<br>11149049 | 87601 | 339360 | 829384 | 4032363 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| trans-1,4-Dichloro-2-butene | DCB | Ave | 1880<br>951353 | 7877 | 31336 | 92266 | 354402 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Chlorotoluene | DCB | Ave | 18618<br>9696534 | 88208 | 339081 | 788667 | 3545587 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| tert-Butylbenzene | DCB | Ave | 15610<br>9571723 | 81526 | 321932 | 754665 | 3495096 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,4-Trimethylbenzene | DCB | Ave | 18456<br>11745037 | 91743 | 356356 | 858150 | 4175696 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Butyl Methacrylate | DCB | Ave | 7555<br>3699129 | 25313 | 104804 | 319221 | 1296470 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| sec-Butylbenzene | DCB | Ave | 24443<br>14135896 | 116170 | 473652 | 1110558 | 5205366 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3-Dichlorobenzene | DCB | Ave | 10990<br>6535312 | 57947 | 223938 | 512472 | 2357240 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Isopropyltoluene | DCB | Ave | 20817<br>12701398 | 101631 | 404143 | 956444 | 4640562 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,4-Dichlorobenzene | DCB | Ave | 12222<br>6571102 | 61384 | 228350 | 531491 | 2417653 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Octanol | DCB | LinF | 817<br>943716 | 4420 | 19659 | 68680 | 323969 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Octanone | DCB | Ave | 6179<br>3366046 | 25461 | 98993 | 297392 | 1184360 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Benzyl chloride | DCB | Ave | 15000<br>6464281 | 54899 | 236664 | 652024 | 2442247 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butylbenzene | DCB | Ave | 19932<br>11168128 | 90284 | 364477 | 869275 | 4242186 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichlorobenzene | DCB | Ave | 11045<br>6219703 | 57956 | 218483 | 504413 | 2287572 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dibromo-3-Chloropropane | DCB | Ave | 967<br>605125 | 6400 | 21002 | 50914 | 236738 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17263

SDG No.:

Instrument ID: VOAMS13 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2009 08:13 Calibration End Date: 09/17/2009 12:26 Calibration ID: 3108

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,2,4-Trichlorobenzene | DCB | Ave | 9036<br>4591253 | 41672 | 162128 | 385426 | 1749734 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Hexachlorobutadiene | DCB | Ave | 4302<br>1802651 | 15705 | 63679 | 151510 | 706682 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Camphor | DCB | Ave | 3813<br>1657077 | 14158 | 57213 | 177432 | 644046 | 5.00<br>2500 | 25.0 | 100 | 250 | 1000 |
| Naphthalene | DCB | Ave | 24335<br>9989968 | 111831 | 404976 | 986670 | 4257027 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,3-Trichlorobenzene | DCB | Ave | 8307<br>4051416 | 37424 | 146932 | 351161 | 1544399 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Ave | 227872<br>265251 | 227798 | 234793 | 233119 | 247019 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| Toluene-d8 (Surr) | CBZ | Ave | 710909<br>838182 | 713668 | 738026 | 743138 | 790076 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 4-Bromofluorobenzene | DCB | Ave | 269797<br>312301 | 268810 | 279901 | 275019 | 290914 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31035.d
Report Date: 17-Sep-2009 14:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31035.d
Lab Smp Id: IC-VM8CAL1
Inj Date : 17-SEP-2009 08:13
Operator : Inst ID: VOAMS13.i
Smp Info : IC-VM8CAL1
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/8260_09.m
Meth Date : 17-Sep-2009 14:26 vibha Quant Type: ISTD
Cal Date : 17-SEP-2009 08:13 Cal File: p31035.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.723 | 0.723 | (0.224) | 3601 | 1.00000 | 1.0 |
| 3 Chloromethane | 50 | 0.845 | 0.838 | (0.262) | 4484 | 1.00000 | 1.0 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.262) | 3921 | 1.00000 | 0.58(a) |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 4530 | 1.00000 | 1.5 |
| 5 Chloroethane | 64 | 1.017 | 1.024 | (0.315) | 2975 | 1.00000 | 0.99(a) |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 6211 | 1.00000 | 0.95(a) |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 9777 | 1.00000 | 1.2 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 1504 | 4.00000 | 4.9 |
| 15 1,1-Dichloroethene | 96 | 1.303 | 1.303 | (0.403) | 3720 | 1.00000 | 0.97(a) |
| 14 Freon TF | 101 | 1.325 | 1.325 | (0.410) | 7542 | 1.00000 | 1.6 |
| 16 Acetone | 58 | 1.633 | 1.625 | (0.505) | 7785 | 10.0000 | 21 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.317 | (0.408) | 29237 | 1.00000 | 1.8 |
| 19 Isopropanol | 45 | 1.583 | 1.582 | (0.490) | 273524 | 1000.00 | 960(a) |
| 21 Acetonitrile | 39 | 1.876 | 1.876 | (0.581) | 2490 | 20.0000 | 24 |
| 27 Methyl Acetate | 74 | 1.697 | 1.690 | (0.525) | 1902 | 1.00000 | 1.4 |
| 22 Methylene Chloride | 84 | 1.597 | 1.597 | (0.494) | 4437 | 1.00000 | 0.90(a) |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31035.d
Report Date: 17-Sep-2009 14:26

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.819 | 1.812 | (0.563) | 13787 | 20.0000 | 29 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.669 | 1.668 | (0.517) | 4197 | 1.00000 | 0.85(a) |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 2882 | 2.00000 | 1.8(a) |
| | 28 MTBE | 73 | 1.740 | 1.740 | (0.539) | 16552 | 1.00000 | 1.1 |
| | 29 Hexane | 56 | 1.711 | 1.704 | (0.530) | 7156 | 1.00000 | 1.8 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 6755 | 1.00000 | 0.77(a) |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 20573 | 1.00000 | 1.2 |
| | 34 n-Propanol | 60 | 2.234 | 2.227 | (0.692) | 18635 | 1000.00 | 1100 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 19016 | 1.00000 | 1.2 |
| | 37 2,2-Dichloropropane | 77 | 2.399 | 2.392 | (0.743) | 6033 | 1.00000 | 0.89(a) |
| | 36 cis-1,2-Dichloroethene | 96 | 2.328 | 2.327 | (0.721) | 4965 | 1.00000 | 0.94(a) |
| | 38 2-Butanone | 72 | 2.743 | 2.743 | (0.849) | 4775 | 10.0000 | 6.5(a) |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.812) | 1523 | 2.00000 | 3.4 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 2070 | 1.00000 | 0.90(a) |
| | 41 Tetrahydrofuran | 42 | 2.628 | 2.621 | (0.814) | 2624 | 1.00000 | 1.6 |
| | 42 Chloroform | 83 | 2.521 | 2.514 | (0.780) | 6027 | 1.00000 | 0.80(a) |
| | 43 1,1,1-Trichloroethane | 97 | 2.636 | 2.635 | (0.816) | 4793 | 1.00000 | 0.74(a) |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 11156 | 1.00000 | 1.4 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 4525 | 1.00000 | 0.82(a) |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 5892 | 1.00000 | 0.95(a) |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 227872 | 50.0000 | 50 |
| | 48 Benzene | 78 | 2.901 | 2.900 | (0.446) | 15719 | 1.00000 | 0.84(a) |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 5150 | 1.00000 | 0.87(a) |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 6642 | 1.00000 | 2.4(a) |
| | 50 t-Amyl-methyl-ether | 73 | 3.022 | 3.015 | (0.936) | 14191 | 1.00000 | 1.1 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.316 | (1.027) | 16654 | 2.00000 | 2.2 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1052143 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 5006 | 1.00000 | 1.0 |
| | 53 n-Butanol | 56 | 3.760 | 3.753 | (1.164) | 16692 | 500.000 | 250(a) |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 10596 | 1.00000 | 1.3 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 6251 | 1.00000 | 1.2 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 3957 | 1.00000 | 0.85(Ta) |
| | 58 Dibromomethane | 93 | 3.710 | 3.710 | (1.149) | 1983 | 1.00000 | 0.78(a) |
| | 60 1,4-Dioxane | 88 | 4.097 | 4.097 | (1.268) | 48066 | 1000.00 | 960(a) |
| | 59 Methyl Methacrylate | 100 | 4.090 | 4.082 | (1.266) | 1548 | 1.00000 | 1.2 |
| | 75 Propyl Acetate | 43 | 4.247 | 4.240 | (1.315) | 12343 | 2.00000 | 2.2 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 4702 | 1.00000 | 0.79(a) |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.491 | 4.491 | (1.390) | 2988 | 1.00000 | 1.0 |
| | 63 Epichlorohydrin | 57 | 4.792 | 4.784 | (0.738) | 10367 | 20.0000 | 23 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 5816 | 1.00000 | 0.78(a) |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.804) | 28735 | 10.0000 | 8.5(a) |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 710909 | 50.0000 | 49 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.730) | 23529 | 1.00000 | 1.1 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.243 | 5.236 | (0.807) | 5861 | 1.00000 | 0.85(a) |
| | 69 1,1,2-Trichloroethane | 83 | 5.408 | 5.408 | (0.832) | 2731 | 1.00000 | 0.85(a) |
| | 71 Tetrachloroethene | 166 | 5.150 | 5.143 | (0.793) | 4909 | 1.00000 | 1.0 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.879) | 5635 | 1.00000 | 0.83(a) |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31035.d
Report Date: 17-Sep-2009 14:26

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT ( ug/L) | ON-COL ( ug/L) |
| | 73 | 2-Hexanone | 43 | 6.260 | 6.260 | (0.964) | 22362 | 10.0000 | 8.4(a) |
| | 74 | Dibromochloromethane | 129 | 5.594 | 5.587 | (0.861) | 3160 | 1.00000 | 0.75(a) |
| | 76 | Butyl Acetate | 73 | 6.196 | 6.195 | (0.954) | 2486 | 2.00000 | 2.3 |
| | 77 | 1,2-Dibromoethane | 107 | 5.816 | 5.823 | (0.895) | 2986 | 1.00000 | 0.79(a) |
| * | 78 | Chlorobenzene-d5 | 117 | 6.496 | 6.496 | (1.000) | 742783 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 6.518 | 6.518 | (1.003) | 12639 | 1.00000 | 0.99(a) |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.640 | 6.632 | (1.022) | 3774 | 1.00000 | 0.89(a) |
| | 81 | Ethylbenzene | 106 | 6.604 | 6.611 | (1.017) | 6633 | 1.00000 | 0.98(a) |
| | 82 | m+p-Xylene | 106 | 6.826 | 6.819 | (1.051) | 17854 | 2.00000 | 2.1 |
| | 84 | o-Xylene | 106 | 7.392 | 7.399 | (1.138) | 7541 | 1.00000 | 0.94(a) |
| | 85 | Styrene | 104 | 7.485 | 7.485 | (1.152) | 12953 | 1.00000 | 0.92(a) |
| | 83 | Butyl Acrylate | 73 | 7.829 | 7.836 | (1.205) | 4092 | 1.00000 | 1.2 |
| | 86 | Bromoform | 173 | 7.449 | 7.449 | (1.147) | 1966 | 1.00000 | 0.75(a) |
| | 88 | Isopropylbenzene | 105 | 7.879 | 7.879 | (1.213) | 19762 | 1.00000 | 0.97(a) |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 269797 | 50.0000 | 50 |
| | 90 | Camphene (total) | 93 | 7.972 | 7.972 | (1.227) | 10190 | 1.00000 | 1.3 |
| | 91 | Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 5740 | 1.00000 | 1.0 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.660 | 8.660 | (0.896) | 4362 | 1.00000 | 0.90(a) |
| | 93 | 1,2,3-Trichloropropane | 110 | 8.781 | 8.774 | (0.908) | 1066 | 1.00000 | 0.77(a) |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 1880 | 1.00000 | 1.1 |
| | 95 | n-Propylbenzene | 91 | 8.509 | 8.502 | (0.880) | 28703 | 1.00000 | 1.1 |
| | 96 | 2-Chlorotoluene | 91 | 8.660 | 8.660 | (0.896) | 16101 | 1.00000 | 1.0 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 8.824 | 8.831 | (0.913) | 17919 | 1.00000 | 1.0 |
| | 98 | 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 18618 | 1.00000 | 1.1 |
| | 99 | Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 7555 | 1.00000 | 1.2 |
| | 100 | tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 15610 | 1.00000 | 0.98(a) |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 18456 | 1.00000 | 1.00 |
| | 102 | 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 6179 | 1.00000 | 1.1 |
| | 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 24443 | 1.00000 | 1.0 |
| | 104 | 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 817 | 1.00000 | 0.51(a) |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 10990 | 1.00000 | 1.00 |
| | 107 | p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 20817 | 1.00000 | 1.0 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.670 | (1.000) | 409646 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 12222 | 1.00000 | 1.1 |
| | 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 15000 | 1.00000 | 1.2 |
| | 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 19932 | 1.00000 | 1.1 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 11045 | 1.00000 | 1.0 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.837 | 10.830 | (1.121) | 967 | 1.00000 | 0.90(a) |
| | 113 | Camphor | 95 | 11.611 | 11.611 | (1.201) | 3813 | 5.00000 | 6.0 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 9036 | 1.00000 | 1.1 |
| | 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 4302 | 1.00000 | 1.3 |
| | 116 | Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 24335 | 1.00000 | 1.2 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.776 | 11.775 | (1.218) | 8307 | 1.00000 | 1.1 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 9162 | 2.00000 | 1.8 |
| M | 121 | Xylene (Total) | 100 | | | | 25395 | 3.00000 | 3.0 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31035.d
Report Date: 17-Sep-2009 14:26

QC Flag Legend

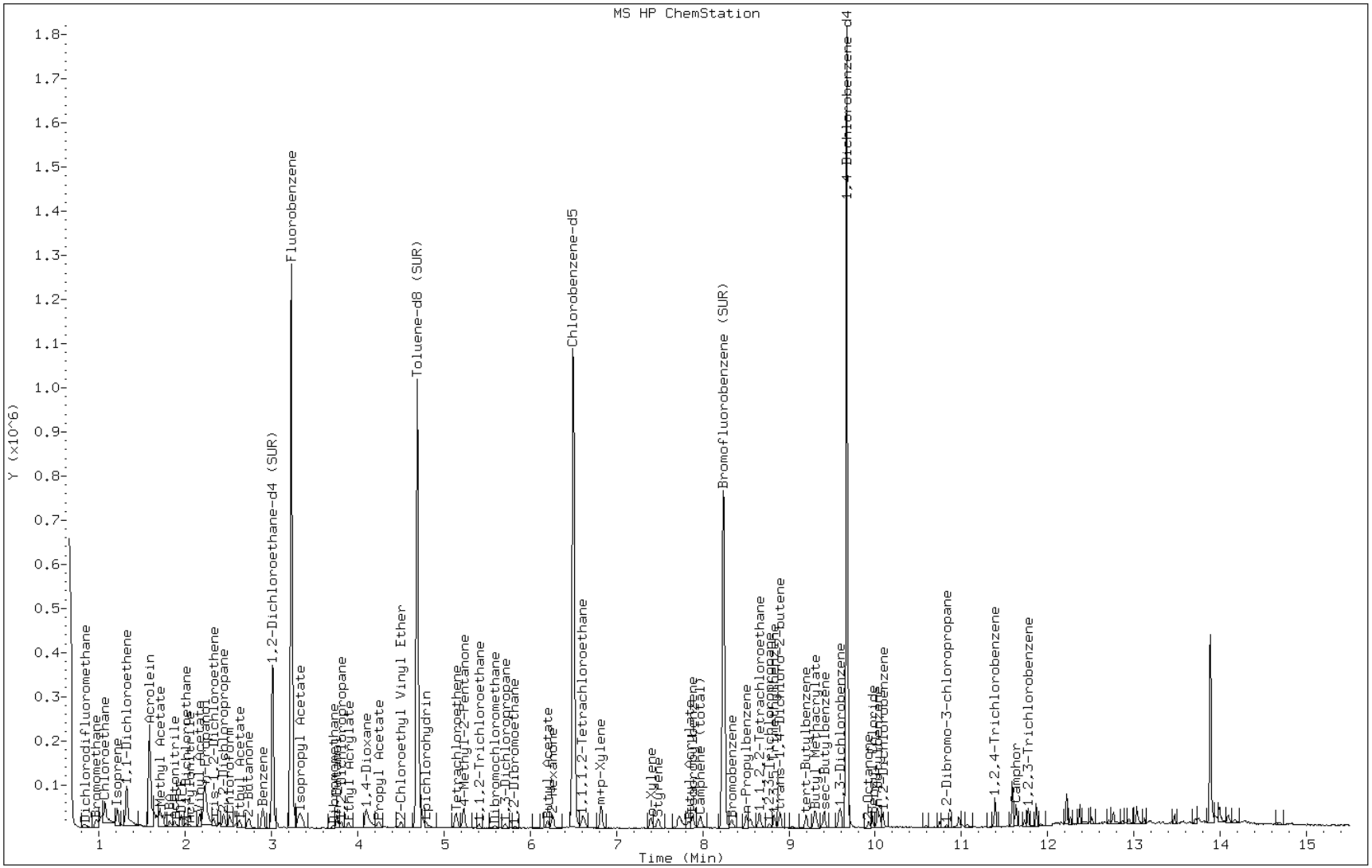
T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: p31035.d

Date: 17-SEP-2009 08:13

Client ID: Instrument: VOAMS13.i

Sample Info: IC-VM8CAL1 Operator:



Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31037.d
Report Date: 17-Sep-2009 14:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31037.d
Lab Smp Id: IC-VM8CAL2
Inj Date : 17-SEP-2009 09:04
Operator : Inst ID: VOAMS13.i
Smp Info : IC-VM8CAL2
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/8260_09.m
Meth Date : 17-Sep-2009 14:26 vibha Quant Type: ISTD
Cal Date : 17-SEP-2009 09:04 Cal File: p31037.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.723 | 0.723 | (0.224) | 15464 | 5.00000 | 4.4 |
| 3 Chloromethane | 50 | 0.845 | 0.838 | (0.262) | 20407 | 5.00000 | 4.7 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.262) | 20721 | 5.00000 | 3.1 |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 15415 | 5.00000 | 5.1 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 13206 | 5.00000 | 4.5 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 28073 | 5.00000 | 4.4 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 34201 | 5.00000 | 4.4 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 6091 | 20.0000 | 20 |
| 15 1,1-Dichloroethene | 96 | 1.303 | 1.303 | (0.403) | 20979 | 5.00000 | 5.5 |
| 14 Freon TF | 101 | 1.325 | 1.325 | (0.410) | 21187 | 5.00000 | 4.6 |
| 16 Acetone | 58 | 1.633 | 1.625 | (0.505) | 8368 | 15.0000 | 23 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.317 | (0.408) | 77715 | 5.00000 | 5.0 |
| 19 Isopropanol | 45 | 1.582 | 1.582 | (0.490) | 596808 | 2000.00 | 2100 |
| 21 Acetonitrile | 39 | 1.876 | 1.876 | (0.581) | 9590 | 100.000 | 93 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 7237 | 5.00000 | 5.2 |
| 22 Methylene Chloride | 84 | 1.590 | 1.597 | (0.492) | 27943 | 5.00000 | 5.7 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31037.d
Report Date: 17-Sep-2009 14:26

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.812 | 1.812 | (0.561) | 50094 | 100.000 | 110 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 27873 | 5.00000 | 5.7 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 16945 | 10.0000 | 11 |
| | 28 MTBE | 73 | 1.740 | 1.740 | (0.539) | 69003 | 5.00000 | 4.7 |
| | 29 Hexane | 56 | 1.704 | 1.704 | (0.528) | 18006 | 5.00000 | 4.5 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 51486 | 5.00000 | 6.0 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 74108 | 5.00000 | 4.5 |
| | 34 n-Propanol | 60 | 2.227 | 2.227 | (0.690) | 36337 | 2000.00 | 2100 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 71964 | 5.00000 | 4.5 |
| | 37 2,2-Dichloropropane | 77 | 2.399 | 2.392 | (0.743) | 39224 | 5.00000 | 5.9 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 30563 | 5.00000 | 5.8 |
| | 38 2-Butanone | 72 | 2.743 | 2.743 | (0.849) | 8395 | 15.0000 | 12 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 4009 | 10.0000 | 9.1 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 13737 | 5.00000 | 6.0 |
| | 41 Tetrahydrofuran | 42 | 2.628 | 2.621 | (0.814) | 8819 | 5.00000 | 5.3 |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 43173 | 5.00000 | 5.8 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.635 | (0.816) | 37027 | 5.00000 | 5.8 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 36410 | 5.00000 | 4.7 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 30323 | 5.00000 | 5.5 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 32611 | 5.00000 | 5.3 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 227798 | 50.0000 | 50 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 105782 | 5.00000 | 5.7 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 34458 | 5.00000 | 5.9 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 11287 | 5.00000 | 4.1(a) |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 56647 | 5.00000 | 4.5 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.316 | (1.027) | 64869 | 10.0000 | 8.9 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1039345 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 26690 | 5.00000 | 5.6 |
| | 53 n-Butanol | 56 | 3.760 | 3.753 | (1.164) | 70580 | 1000.00 | 990 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 32008 | 5.00000 | 3.9 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 23586 | 5.00000 | 4.6 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 25755 | 5.00000 | 5.6 |
| | 58 Dibromomethane | 93 | 3.710 | 3.710 | (1.149) | 15241 | 5.00000 | 6.0 |
| | 60 1,4-Dioxane | 88 | 4.104 | 4.097 | (1.271) | 98659 | 2000.00 | 2000 |
| | 59 Methyl Methacrylate | 100 | 4.090 | 4.082 | (1.266) | 5850 | 5.00000 | 4.8 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 50335 | 10.0000 | 9.3 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 34868 | 5.00000 | 5.9 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.483 | 4.491 | (1.388) | 13503 | 5.00000 | 4.7 |
| | 63 Epichlorohydrin | 57 | 4.784 | 4.784 | (0.736) | 43386 | 100.000 | 96 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 40793 | 5.00000 | 5.5 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.804) | 46278 | 15.0000 | 14 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 713668 | 50.0000 | 49 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.730) | 116023 | 5.00000 | 5.6 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.806) | 37286 | 5.00000 | 5.5 |
| | 69 1,1,2-Trichloroethane | 83 | 5.408 | 5.408 | (0.832) | 17878 | 5.00000 | 5.6 |
| | 71 Tetrachloroethene | 166 | 5.142 | 5.143 | (0.792) | 24157 | 5.00000 | 5.1 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.879) | 38576 | 5.00000 | 5.7 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31037.d
Report Date: 17-Sep-2009 14:26

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT ( ug/L) | ON-COL ( ug/L) |
| | 73 | 2-Hexanone | 43 | 6.260 | 6.260 | (0.964) | 37891 | 15.0000 | 14 |
| | 74 | Dibromochloromethane | 129 | 5.587 | 5.587 | (0.860) | 23387 | 5.00000 | 5.6 |
| | 76 | Butyl Acetate | 73 | 6.195 | 6.195 | (0.954) | 10636 | 10.0000 | 9.8 |
| | 77 | 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.896) | 20812 | 5.00000 | 5.6 |
| * | 78 | Chlorobenzene-d5 | 117 | 6.496 | 6.496 | (1.000) | 737787 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 6.518 | 6.518 | (1.003) | 70560 | 5.00000 | 5.5 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.632 | (1.021) | 21815 | 5.00000 | 5.2 |
| | 81 | Ethylbenzene | 106 | 6.611 | 6.611 | (1.018) | 36424 | 5.00000 | 5.4 |
| | 82 | m+p-Xylene | 106 | 6.819 | 6.819 | (1.050) | 89056 | 10.0000 | 10 |
| | 84 | o-Xylene | 106 | 7.399 | 7.399 | (1.139) | 44713 | 5.00000 | 5.6 |
| | 85 | Styrene | 104 | 7.485 | 7.485 | (1.152) | 76688 | 5.00000 | 5.5 |
| | 83 | Butyl Acrylate | 73 | 7.836 | 7.836 | (1.206) | 14941 | 5.00000 | 4.6 |
| | 86 | Bromoform | 173 | 7.456 | 7.449 | (1.148) | 13587 | 5.00000 | 5.2 |
| | 88 | Isopropylbenzene | 105 | 7.879 | 7.879 | (1.213) | 105955 | 5.00000 | 5.2 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 268810 | 50.0000 | 50 |
| | 90 | Camphene (total) | 93 | 7.972 | 7.972 | (1.227) | 32515 | 5.00000 | 4.3 |
| | 91 | Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 29940 | 5.00000 | 5.5 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.660 | 8.660 | (0.896) | 26925 | 5.00000 | 5.7 |
| | 93 | 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 8053 | 5.00000 | 5.9 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 7877 | 5.00000 | 4.7 |
| | 95 | n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 135241 | 5.00000 | 5.2 |
| | 96 | 2-Chlorotoluene | 91 | 8.660 | 8.660 | (0.896) | 81646 | 5.00000 | 5.3 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 8.824 | 8.831 | (0.913) | 87601 | 5.00000 | 5.0 |
| | 98 | 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 88208 | 5.00000 | 5.3 |
| | 99 | Butyl Methacrylate | 87 | 9.319 | 9.311 | (0.964) | 25313 | 5.00000 | 4.2 |
| | 100 | tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 81526 | 5.00000 | 5.2 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 91743 | 5.00000 | 5.0 |
| | 102 | 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 25461 | 5.00000 | 4.6 |
| | 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 116170 | 5.00000 | 5.0 |
| | 104 | 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 4420 | 5.00000 | 2.8(a) |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 57947 | 5.00000 | 5.3 |
| | 107 | p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 101631 | 5.00000 | 5.0 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.670 | (1.000) | 403597 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 61384 | 5.00000 | 5.4 |
| | 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 54899 | 5.00000 | 4.6 |
| | 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 90284 | 5.00000 | 4.9 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 57956 | 5.00000 | 5.4 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 6400 | 5.00000 | 6.0 |
| | 113 | Camphor | 95 | 11.611 | 11.611 | (1.201) | 14158 | 25.0000 | 23 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 41672 | 5.00000 | 5.2 |
| | 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 15705 | 5.00000 | 4.8 |
| | 116 | Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 111831 | 5.00000 | 5.5 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.775 | (1.218) | 37424 | 5.00000 | 5.1 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 58436 | 10.0000 | 12 |
| M | 121 | Xylene (Total) | 100 | | | | 133769 | 15.0000 | 16 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31037.d
Report Date: 17-Sep-2009 14:26

QC Flag Legend

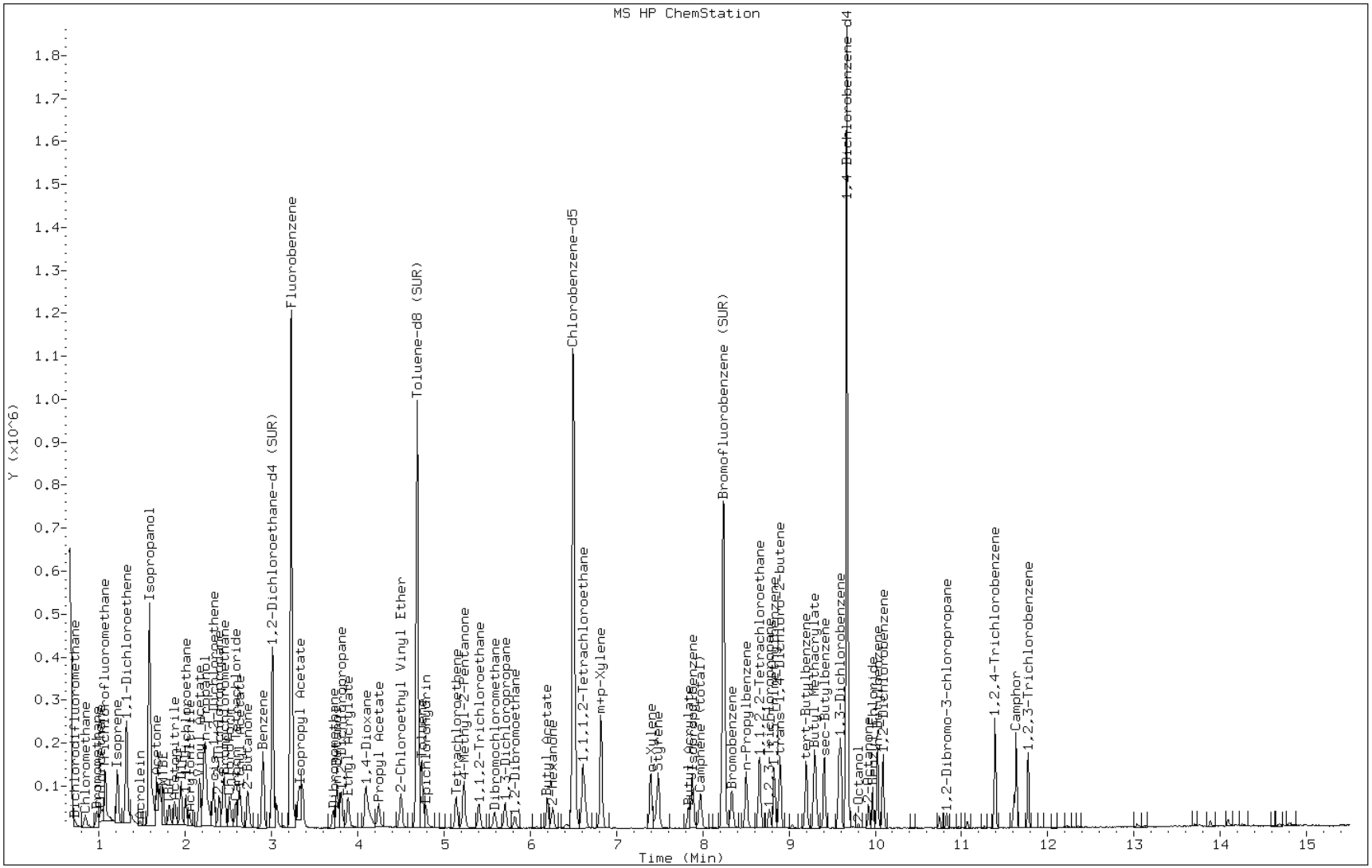
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: p31037.d

Date: 17-SEP-2009 09:04

Client ID: Instrument: VOAMS13.i

Sample Info: IC-VM8CAL2 Operator:



Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31040.d
Report Date: 17-Sep-2009 14:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31040.d
Lab Smp Id: IC-VM8CAL4
Inj Date : 17-SEP-2009 10:20
Operator : Inst ID: VOAMS13.i
Smp Info : IC-VM8CAL4
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/8260_09.m
Meth Date : 17-Sep-2009 14:26 vibha Quant Type: ISTD
Cal Date : 17-SEP-2009 10:20 Cal File: p31040.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.723 | 0.723 | (0.224) | 172847 | 50.0000 | 47 |
| 3 Chloromethane | 50 | 0.837 | 0.838 | (0.259) | 217661 | 50.0000 | 48 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.261) | 235368 | 50.0000 | 37 |
| 6 Bromomethane | 94 | 0.973 | 0.974 | (0.301) | 122025 | 50.0000 | 38 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 148383 | 50.0000 | 48 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 340246 | 50.0000 | 51 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 443644 | 50.0000 | 55 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 28420 | 100.000 | 90 |
| 15 1,1-Dichloroethene | 96 | 1.310 | 1.303 | (0.406) | 184851 | 50.0000 | 47 |
| 14 Freon TF | 101 | 1.324 | 1.325 | (0.410) | 283091 | 50.0000 | 59 |
| 16 Acetone | 58 | 1.632 | 1.625 | (0.505) | 23985 | 50.0000 | 62 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.317 | (0.408) | 941156 | 50.0000 | 58 |
| 19 Isopropanol | 45 | 1.582 | 1.582 | (0.490) | 1205067 | 4000.00 | 4100 |
| 21 Acetonitrile | 39 | 1.876 | 1.876 | (0.581) | 111981 | 1000.00 | 1000 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 81624 | 50.0000 | 57 |
| 22 Methylene Chloride | 84 | 1.597 | 1.597 | (0.494) | 246107 | 50.0000 | 48 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31040.d
Report Date: 17-Sep-2009 14:26

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.819 | 1.812 | (0.563) | 549321 | 1000.00 | 1100 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 238966 | 50.0000 | 47 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 73180 | 50.0000 | 45 |
| | 28 MTBE | 73 | 1.740 | 1.740 | (0.539) | 856718 | 50.0000 | 56 |
| | 29 Hexane | 56 | 1.711 | 1.704 | (0.530) | 247098 | 50.0000 | 59 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 430369 | 50.0000 | 48 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 932805 | 50.0000 | 54 |
| | 34 n-Propanol | 60 | 2.234 | 2.227 | (0.692) | 72164 | 4000.00 | 4100 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 909657 | 50.0000 | 54 |
| | 37 2,2-Dichloropropane | 77 | 2.392 | 2.392 | (0.741) | 333012 | 50.0000 | 48 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 259932 | 50.0000 | 48 |
| | 38 2-Butanone | 72 | 2.743 | 2.743 | (0.849) | 40812 | 50.0000 | 54 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 52672 | 100.000 | 110 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 111456 | 50.0000 | 47 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 98538 | 50.0000 | 57 |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 380551 | 50.0000 | 49 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.635 | (0.816) | 334925 | 50.0000 | 50 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 474179 | 50.0000 | 58 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 277620 | 50.0000 | 49 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 302596 | 50.0000 | 48 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 233119 | 50.0000 | 49 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 929964 | 50.0000 | 49 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 292528 | 50.0000 | 48 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 164404 | 50.0000 | 58 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 727592 | 50.0000 | 55 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.316 | (1.027) | 840786 | 100.000 | 110 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1081832 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 227451 | 50.0000 | 46 |
| | 53 n-Butanol | 56 | 3.760 | 3.753 | (1.164) | 171059 | 2000.00 | 2000 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 463759 | 50.0000 | 55 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 283951 | 50.0000 | 54 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 229202 | 50.0000 | 48 |
| | 58 Dibromomethane | 93 | 3.717 | 3.710 | (1.151) | 128539 | 50.0000 | 49 |
| | 60 1,4-Dioxane | 88 | 4.104 | 4.097 | (1.271) | 218014 | 4000.00 | 4200 |
| | 59 Methyl Methacrylate | 100 | 4.082 | 4.082 | (1.264) | 67171 | 50.0000 | 52 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 622496 | 100.000 | 110 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 299313 | 50.0000 | 49 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.483 | 4.491 | (1.388) | 168932 | 50.0000 | 56 |
| | 63 Epichlorohydrin | 57 | 4.791 | 4.784 | (0.738) | 520361 | 1000.00 | 1100 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 378349 | 50.0000 | 50 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.804) | 203070 | 50.0000 | 59 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 743138 | 50.0000 | 50 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.730) | 950763 | 50.0000 | 45 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.235 | 5.236 | (0.806) | 344341 | 50.0000 | 49 |
| | 69 1,1,2-Trichloroethane | 83 | 5.407 | 5.408 | (0.832) | 159457 | 50.0000 | 49 |
| | 71 Tetrachloroethene | 166 | 5.142 | 5.143 | (0.792) | 228112 | 50.0000 | 47 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.879) | 342247 | 50.0000 | 49 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31040.d
Report Date: 17-Sep-2009 14:26

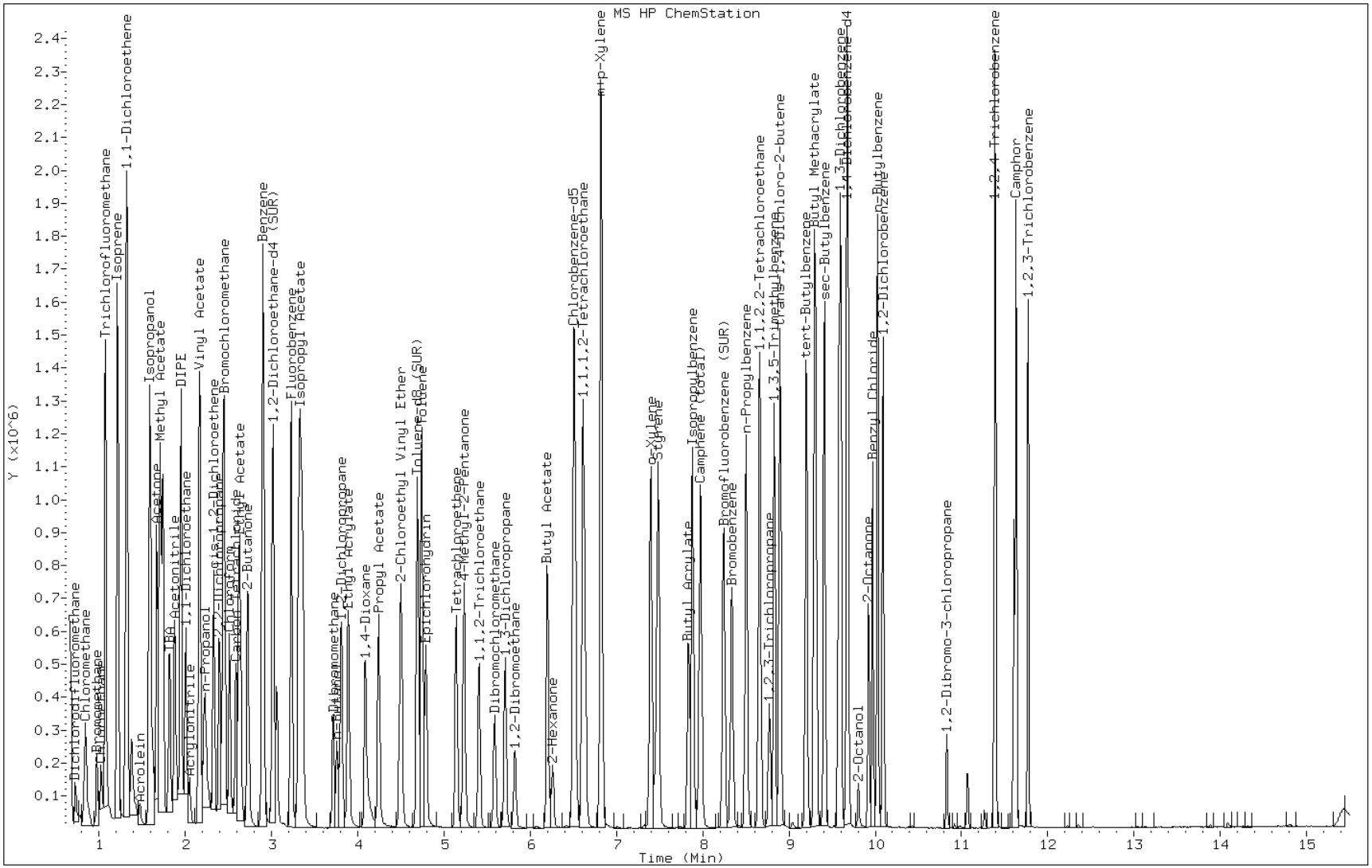
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 73 | 2-Hexanone | 43 | 6.260 | 6.260 | (0.964) | 161332 | 50.0000 | 59 |
| 74 | Dibromochloromethane | 129 | 5.586 | 5.587 | (0.860) | 214181 | 50.0000 | 50 |
| 76 | Butyl Acetate | 73 | 6.195 | 6.195 | (0.954) | 118452 | 100.000 | 110 |
| 77 | 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.896) | 191069 | 50.0000 | 50 |
| * 78 | Chlorobenzene-d5 | 117 | 6.496 | 6.496 | (1.000) | 754076 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 6.518 | 6.518 | (1.003) | 605593 | 50.0000 | 46 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.632 | (1.021) | 209552 | 50.0000 | 49 |
| 81 | Ethylbenzene | 106 | 6.611 | 6.611 | (1.018) | 320953 | 50.0000 | 47 |
| 82 | m+p-Xylene | 106 | 6.819 | 6.819 | (1.050) | 801752 | 100.000 | 92 |
| 84 | o-Xylene | 106 | 7.399 | 7.399 | (1.139) | 379554 | 50.0000 | 47 |
| 85 | Styrene | 104 | 7.485 | 7.485 | (1.152) | 670786 | 50.0000 | 47 |
| 83 | Butyl Acrylate | 73 | 7.836 | 7.836 | (1.206) | 172822 | 50.0000 | 52 |
| 86 | Bromoform | 173 | 7.449 | 7.449 | (1.147) | 132056 | 50.0000 | 49 |
| 88 | Isopropylbenzene | 105 | 7.879 | 7.879 | (1.213) | 983659 | 50.0000 | 47 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 275019 | 50.0000 | 50 |
| 90 | Camphene (total) | 93 | 7.972 | 7.972 | (1.227) | 416016 | 50.0000 | 54 |
| 91 | Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 256462 | 50.0000 | 46 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.659 | 8.660 | (0.896) | 233036 | 50.0000 | 48 |
| 93 | 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 68754 | 50.0000 | 50 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 92266 | 50.0000 | 54 |
| 95 | n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 1228111 | 50.0000 | 46 |
| 96 | 2-Chlorotoluene | 91 | 8.659 | 8.660 | (0.896) | 727410 | 50.0000 | 47 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.831 | (0.913) | 829384 | 50.0000 | 46 |
| 98 | 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 788667 | 50.0000 | 46 |
| 99 | Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 319221 | 50.0000 | 52 |
| 100 | tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 754665 | 50.0000 | 47 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 858150 | 50.0000 | 46 |
| 102 | 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 297392 | 50.0000 | 53 |
| 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 1110558 | 50.0000 | 47 |
| 104 | 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 68680 | 50.0000 | 43 |
| 105 | 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 512472 | 50.0000 | 46 |
| 107 | p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 956444 | 50.0000 | 46 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.670 | (1.000) | 410036 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 531491 | 50.0000 | 46 |
| 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 652024 | 50.0000 | 53 |
| 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 869275 | 50.0000 | 46 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 504413 | 50.0000 | 46 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 50914 | 50.0000 | 47 |
| 113 | Camphor | 95 | 11.611 | 11.611 | (1.201) | 177432 | 250.000 | 280 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 385426 | 50.0000 | 47 |
| 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 151510 | 50.0000 | 45 |
| 116 | Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 986670 | 50.0000 | 48 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.775 | (1.218) | 351161 | 50.0000 | 48 |
| M 120 | 1,2-Dichloroethene (Total) | 100 | | | | 498898 | 100.000 | 95 |
| M 121 | Xylene (Total) | 100 | | | | 1181306 | 150.000 | 140 |

Data File: p31040.d

Date: 17-SEP-2009 10:20

Client ID: Instrument: VOAMS13.i

Sample Info: IC-VM8CAL4 Operator:



Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31041.d
Report Date: 17-Sep-2009 14:27

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31041.d
Lab Smp Id: IC-VM8CAL5
Inj Date : 17-SEP-2009 10:45
Operator : Inst ID: VOAMS13.i
Smp Info : IC-VM8CAL5
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/8260_09.m
Meth Date : 17-Sep-2009 14:26 vibha Quant Type: ISTD
Cal Date : 17-SEP-2009 10:45 Cal File: p31041.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.723 | 0.723 | (0.224) | 805616 | 200.000 | 210(A) |
| 3 Chloromethane | 50 | 0.838 | 0.838 | (0.259) | 984227 | 200.000 | 210 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.262) | 1091521 | 200.000 | 210 |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 563809 | 200.000 | 170 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 674426 | 200.000 | 210 |
| 7 Trichlorofluoromethane | 101 | 1.081 | 1.074 | (0.335) | 1579982 | 200.000 | 220 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 1592882 | 200.000 | 190 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 63335 | 200.000 | 190 |
| 15 1,1-Dichloroethene | 96 | 1.310 | 1.303 | (0.406) | 809621 | 200.000 | 200 |
| 14 Freon TF | 101 | 1.325 | 1.325 | (0.410) | 1009607 | 200.000 | 200 |
| 16 Acetone | 58 | 1.633 | 1.625 | (0.505) | 81176 | 200.000 | 200 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.317 | (0.408) | 3396954 | 200.000 | 200 |
| 19 Isopropanol | 45 | 1.583 | 1.582 | (0.490) | 1507066 | 5000.00 | 4900 |
| 21 Acetonitrile | 39 | 1.876 | 1.876 | (0.581) | 426057 | 4000.00 | 3800 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 294243 | 200.000 | 200 |
| 22 Methylene Chloride | 84 | 1.597 | 1.597 | (0.494) | 1032801 | 200.000 | 190 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31041.d
Report Date: 17-Sep-2009 14:27

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.819 | 1.812 | (0.563) | 1994320 | 4000.00 | 4000 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 1045594 | 200.000 | 200 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 177973 | 100.000 | 100 |
| | 28 MTBE | 73 | 1.740 | 1.740 | (0.539) | 3091973 | 200.000 | 190 |
| | 29 Hexane | 56 | 1.711 | 1.704 | (0.530) | 889994 | 200.000 | 200 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 1859181 | 200.000 | 200 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 3386272 | 200.000 | 190 |
| | 34 n-Propanol | 60 | 2.234 | 2.227 | (0.692) | 89246 | 5000.00 | 4800 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 3360415 | 200.000 | 190 |
| | 37 2,2-Dichloropropane | 77 | 2.399 | 2.392 | (0.743) | 1379753 | 200.000 | 190 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 1123192 | 200.000 | 200 |
| | 38 2-Butanone | 72 | 2.736 | 2.743 | (0.847) | 153744 | 200.000 | 190 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 192620 | 400.000 | 400 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 476655 | 200.000 | 190 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 363709 | 200.000 | 200 |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 1611585 | 200.000 | 200 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.635 | (0.816) | 1408177 | 200.000 | 200 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 1684784 | 200.000 | 200 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 1213586 | 200.000 | 200 |
| | 46 1,1-Dichloropropene | 75 | 2.729 | 2.721 | (0.845) | 1325223 | 200.000 | 200 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 247019 | 50.0000 | 50 |
| | 48 Benzene | 78 | 2.908 | 2.900 | (0.447) | 4023997 | 200.000 | 200 |
| | 49 1,2-Dichloroethane | 62 | 3.065 | 3.058 | (0.949) | 1249866 | 200.000 | 200 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 614754 | 200.000 | 210 |
| | 50 t-Amyl-methyl-ether | 73 | 3.022 | 3.015 | (0.936) | 2761959 | 200.000 | 200 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.316 | (1.027) | 3192592 | 400.000 | 400 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1131506 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.366 | 3.359 | (1.042) | 1004212 | 200.000 | 190 |
| | 53 n-Butanol | 56 | 3.760 | 3.753 | (1.164) | 238726 | 2500.00 | 2500 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 1752662 | 200.000 | 200 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 1073645 | 200.000 | 190 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 1008624 | 200.000 | 200 |
| | 58 Dibromomethane | 93 | 3.717 | 3.710 | (1.151) | 561203 | 200.000 | 200 |
| | 60 1,4-Dioxane | 88 | 4.104 | 4.097 | (1.271) | 269066 | 5000.00 | 5000 |
| | 59 Methyl Methacrylate | 100 | 4.090 | 4.082 | (1.266) | 253163 | 200.000 | 190 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 2336880 | 400.000 | 400 |
| | 68 Bromodichloromethane | 83 | 3.889 | 3.882 | (1.204) | 1302076 | 200.000 | 200 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.491 | 4.491 | (1.390) | 632776 | 200.000 | 200 |
| | 63 Epichlorohydrin | 57 | 4.792 | 4.784 | (0.737) | 1857192 | 4000.00 | 3800 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 1647644 | 200.000 | 210 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.803) | 773864 | 200.000 | 210 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 790076 | 50.0000 | 51 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.729) | 4208868 | 200.000 | 190 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.805) | 1527170 | 200.000 | 210 |
| | 69 1,1,2-Trichloroethane | 83 | 5.408 | 5.408 | (0.831) | 697766 | 200.000 | 200 |
| | 71 Tetrachloroethene | 166 | 5.143 | 5.143 | (0.791) | 1029740 | 200.000 | 200 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.878) | 1496677 | 200.000 | 200 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31041.d
Report Date: 17-Sep-2009 14:27

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 73 | 2-Hexanone | 43 | 6.260 | 6.260 | (0.963) | 561312 | 200.000 | 200 |
| 74 | Dibromochloromethane | 129 | 5.587 | 5.587 | (0.859) | 981489 | 200.000 | 220 |
| 76 | Butyl Acetate | 73 | 6.203 | 6.195 | (0.954) | 445185 | 400.000 | 380 |
| 77 | 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.895) | 844054 | 200.000 | 210 |
| * 78 | Chlorobenzene-d5 | 117 | 6.504 | 6.496 | (1.000) | 796194 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 6.525 | 6.518 | (1.003) | 2698420 | 200.000 | 200 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.640 | 6.632 | (1.021) | 971857 | 200.000 | 210 |
| 81 | Ethylbenzene | 106 | 6.611 | 6.611 | (1.017) | 1445846 | 200.000 | 200 |
| 82 | m+p-Xylene | 106 | 6.826 | 6.819 | (1.050) | 3600248 | 400.000 | 390 |
| 84 | o-Xylene | 106 | 7.399 | 7.399 | (1.138) | 1707936 | 200.000 | 200 |
| 85 | Styrene | 104 | 7.485 | 7.485 | (1.151) | 3010038 | 200.000 | 200 |
| 83 | Butyl Acrylate | 73 | 7.836 | 7.836 | (1.205) | 656302 | 200.000 | 190 |
| 86 | Bromoform | 173 | 7.456 | 7.449 | (1.146) | 634045 | 200.000 | 220 |
| 88 | Isopropylbenzene | 105 | 7.886 | 7.879 | (1.213) | 4389144 | 200.000 | 200 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.852) | 290914 | 50.0000 | 50 |
| 90 | Camphene (total) | 93 | 7.979 | 7.972 | (1.227) | 1609690 | 200.000 | 200 |
| 91 | Bromobenzene | 156 | 8.344 | 8.337 | (0.862) | 1154903 | 200.000 | 190 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.660 | 8.660 | (0.895) | 1067157 | 200.000 | 200 |
| 93 | 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 313485 | 200.000 | 210 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 354402 | 200.000 | 190 |
| 95 | n-Propylbenzene | 91 | 8.509 | 8.502 | (0.879) | 5576673 | 200.000 | 200 |
| 96 | 2-Chlorotoluene | 91 | 8.667 | 8.660 | (0.896) | 3254200 | 200.000 | 190 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 8.839 | 8.831 | (0.913) | 4032363 | 200.000 | 210 |
| 98 | 4-Chlorotoluene | 91 | 8.903 | 8.896 | (0.920) | 3545587 | 200.000 | 190 |
| 99 | Butyl Methacrylate | 87 | 9.319 | 9.311 | (0.963) | 1296470 | 200.000 | 200 |
| 100 | tert-Butylbenzene | 119 | 9.204 | 9.197 | (0.951) | 3495096 | 200.000 | 200 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 4175696 | 200.000 | 210 |
| 102 | 2-Octanone | 43 | 9.927 | 9.920 | (1.026) | 1184360 | 200.000 | 200 |
| 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 5205366 | 200.000 | 200 |
| 104 | 2-Octanol | 45 | 9.806 | 9.806 | (1.013) | 323969 | 200.000 | 190 |
| 105 | 1,3-Dichlorobenzene | 146 | 9.584 | 9.576 | (0.990) | 2357240 | 200.000 | 200 |
| 107 | p-Isopropyltoluene | 119 | 9.605 | 9.598 | (0.993) | 4640562 | 200.000 | 210 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.677 | 9.670 | (1.000) | 442503 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 9.691 | 9.684 | (1.001) | 2417653 | 200.000 | 190 |
| 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.030) | 2442247 | 200.000 | 180 |
| 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.036) | 4242186 | 200.000 | 210 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.043) | 2287572 | 200.000 | 200 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.119) | 236738 | 200.000 | 200 |
| 113 | Camphor | 95 | 11.611 | 11.611 | (1.200) | 644046 | 1000.00 | 950 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.177) | 1749734 | 200.000 | 200 |
| 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.178) | 706682 | 200.000 | 200 |
| 116 | Naphthalene | 128 | 11.639 | 11.632 | (1.203) | 4257027 | 200.000 | 190 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.776 | 11.775 | (1.217) | 1544399 | 200.000 | 190 |
| M 120 | 1,2-Dichloroethene (Total) | 100 | | | | 2168786 | 400.000 | 400 |
| M 121 | Xylene (Total) | 100 | | | | 5308184 | 600.000 | 590 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31041.d
Report Date: 17-Sep-2009 14:27

QC Flag Legend

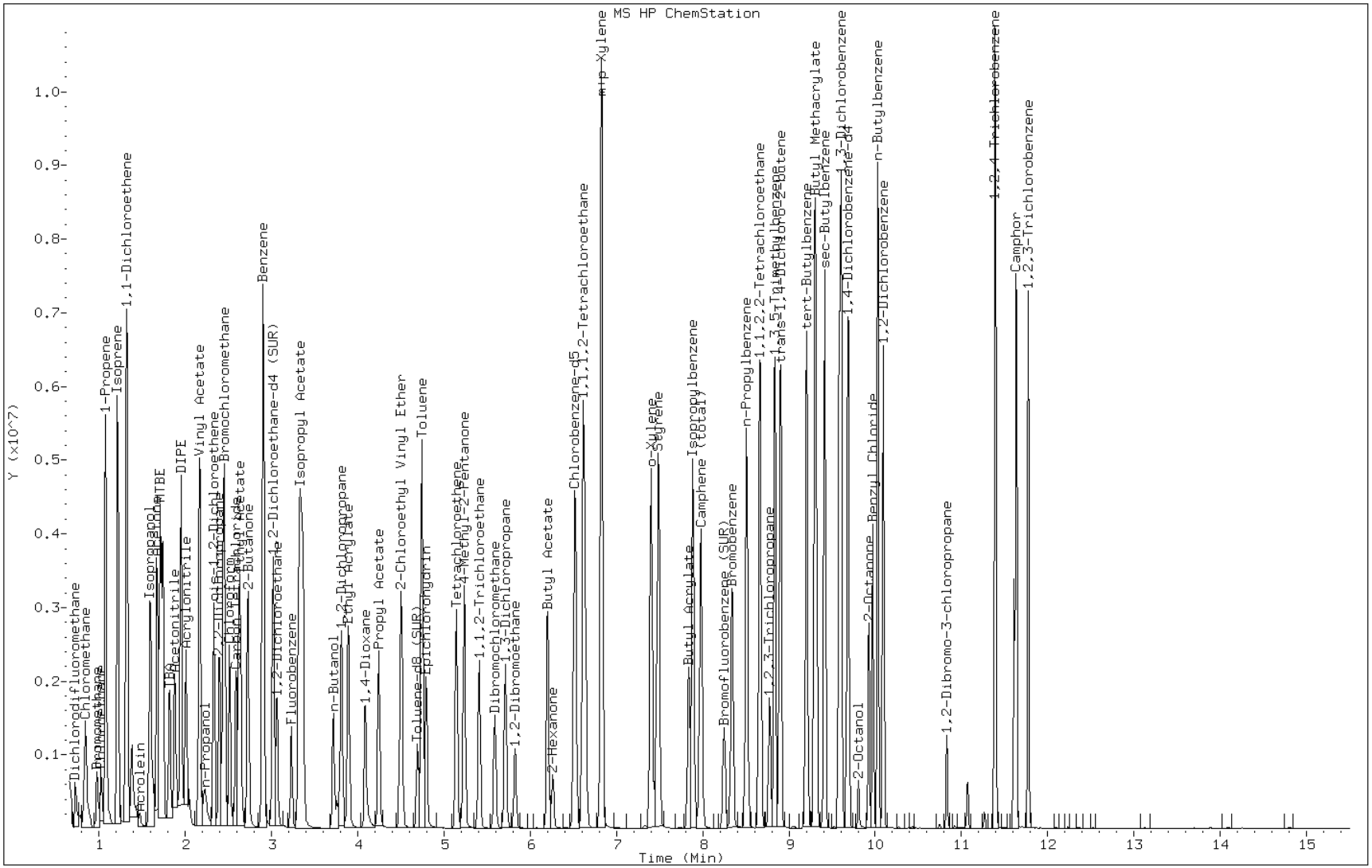
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: p31041.d

Date: 17-SEP-2009 10:45

Client ID: Instrument: VOAMS13.i

Sample Info: IC-VM8CAL5 Operator:



Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31042.d
Report Date: 17-Sep-2009 14:27

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31042.d
Lab Smp Id: IC-VM8CAL6
Inj Date : 17-SEP-2009 11:10
Operator : Inst ID: VOAMS13.i
Smp Info : IC-VM8CAL6
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/8260_09.m
Meth Date : 17-Sep-2009 14:27 vibha Quant Type: ISTD
Cal Date : 17-SEP-2009 11:10 Cal File: p31042.d
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.723 | 0.723 | (0.224) | 1270149 | 500.000 | 320(A) |
| 3 Chloromethane | 50 | 0.837 | 0.838 | (0.259) | 2242182 | 500.000 | 450 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.261) | 2202098 | 500.000 | 500 |
| 6 Bromomethane | 94 | 0.973 | 0.974 | (0.301) | 1763155 | 500.000 | 510(A) |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 1616242 | 500.000 | 480 |
| 7 Trichlorofluoromethane | 101 | 1.081 | 1.074 | (0.335) | 3059401 | 500.000 | 420 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 3800677 | 500.000 | 430 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 130266 | 400.000 | 380 |
| 15 1,1-Dichloroethene | 96 | 1.310 | 1.303 | (0.406) | 2105665 | 500.000 | 490 |
| 14 Freon TF | 101 | 1.324 | 1.325 | (0.410) | 2606501 | 500.000 | 500 |
| 16 Acetone | 58 | 1.632 | 1.625 | (0.505) | 207763 | 500.000 | 500 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.317 | (0.408) | 8805644 | 500.000 | 500 |
| 19 Isopropanol | 45 | 1.582 | 1.582 | (0.490) | 1980621 | 6000.00 | 6200(A) |
| 21 Acetonitrile | 39 | 1.883 | 1.876 | (0.583) | 1115085 | 10000.0 | 9500 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 784121 | 500.000 | 500(A) |
| 22 Methylene Chloride | 84 | 1.597 | 1.597 | (0.494) | 2694293 | 500.000 | 490 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31042.d
Report Date: 17-Sep-2009 14:27

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.819 | 1.812 | (0.563) | 5246546 | 10000.0 | 10000(A) |
| | 25 trans-1,2-Dichloroethene | 96 | 1.675 | 1.668 | (0.519) | 2728466 | 500.000 | 500 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 369168 | 200.000 | 210 |
| | 28 MTBE | 73 | 1.740 | 1.740 | (0.539) | 8096611 | 500.000 | 480 |
| | 29 Hexane | 56 | 1.711 | 1.704 | (0.530) | 2267986 | 500.000 | 500 |
| | 30 1,1-Dichloroethane | 63 | 2.012 | 2.005 | (0.623) | 4960819 | 500.000 | 510(A) |
| | 32 DIPE | 45 | 1.955 | 1.948 | (0.605) | 8907032 | 500.000 | 470 |
| | 34 n-Propanol | 60 | 2.234 | 2.227 | (0.692) | 107280 | 6000.00 | 5500 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 8822585 | 500.000 | 480 |
| | 37 2,2-Dichloropropane | 77 | 2.399 | 2.392 | (0.743) | 3535282 | 500.000 | 470 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.334 | 2.327 | (0.723) | 2657825 | 500.000 | 450 |
| | 38 2-Butanone | 72 | 2.743 | 2.743 | (0.849) | 413493 | 500.000 | 500(A) |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 499715 | 1000.00 | 1000 |
| | 40 Bromochloromethane | 128 | 2.463 | 2.456 | (0.763) | 1239934 | 500.000 | 480 |
| | 41 Tetrahydrofuran | 42 | 2.628 | 2.621 | (0.814) | 941241 | 500.000 | 500 |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 4263437 | 500.000 | 500(A) |
| | 43 1,1,1-Trichloroethane | 97 | 2.642 | 2.635 | (0.818) | 3711608 | 500.000 | 510(A) |
| | 44 Cyclohexane | 56 | 2.449 | 2.442 | (0.758) | 4414138 | 500.000 | 500 |
| | 45 Carbon Tetrachloride | 117 | 2.592 | 2.585 | (0.803) | 3176402 | 500.000 | 510(A) |
| | 46 1,1-Dichloropropene | 75 | 2.728 | 2.721 | (0.845) | 3457999 | 500.000 | 500 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.015 | 3.008 | (0.933) | 265251 | 50.0000 | 52 |
| | 48 Benzene | 78 | 2.908 | 2.900 | (0.447) | 10705476 | 500.000 | 490 |
| | 49 1,2-Dichloroethane | 62 | 3.065 | 3.058 | (0.949) | 3298953 | 500.000 | 500 |
| | 51 n-Heptane | 57 | 2.900 | 2.893 | (0.898) | 1542942 | 500.000 | 500 |
| | 50 t-Amyl-methyl-ether | 73 | 3.022 | 3.015 | (0.936) | 7292196 | 500.000 | 510(A) |
| | 61 Isopropyl Acetate | 43 | 3.323 | 3.316 | (1.029) | 8516236 | 1000.00 | 1000(A) |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1179100 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.366 | 3.359 | (1.042) | 2644268 | 500.000 | 490 |
| | 53 n-Butanol | 56 | 3.760 | 3.753 | (1.164) | 325361 | 3000.00 | 3000 |
| | 56 Methyl cyclohexane | 83 | 3.344 | 3.337 | (1.035) | 4616197 | 500.000 | 500(A) |
| | 55 Ethyl Acrylate | 55 | 3.903 | 3.896 | (1.208) | 2805238 | 500.000 | 490 |
| | 57 1,2-Dichloropropane | 63 | 3.817 | 3.810 | (1.182) | 2645930 | 500.000 | 510(A) |
| | 58 Dibromomethane | 93 | 3.717 | 3.710 | (1.151) | 1458367 | 500.000 | 510(A) |
| | 60 1,4-Dioxane | 88 | 4.104 | 4.097 | (1.271) | 344623 | 6000.00 | 6200(A) |
| | 59 Methyl Methacrylate | 100 | 4.089 | 4.082 | (1.266) | 662801 | 500.000 | 470 |
| | 75 Propyl Acetate | 43 | 4.247 | 4.240 | (1.315) | 6098390 | 1000.00 | 990 |
| | 68 Bromodichloromethane | 83 | 3.889 | 3.882 | (1.204) | 3461284 | 500.000 | 520(A) |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.498 | 4.491 | (1.393) | 1656490 | 500.000 | 510(A) |
| | 63 Epichlorohydrin | 57 | 4.806 | 4.784 | (0.738) | 4848344 | 10000.0 | 9200 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.512 | 4.505 | (0.693) | 4372035 | 500.000 | 510(A) |
| | 70 4-Methyl-2-Pentanone | 43 | 5.235 | 5.221 | (0.804) | 2017075 | 500.000 | 520(A) |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 838182 | 50.0000 | 50 |
| | 66 Toluene | 91 | 4.748 | 4.741 | (0.729) | 11182858 | 500.000 | 460 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.243 | 5.236 | (0.805) | 4057325 | 500.000 | 510(A) |
| | 69 1,1,2-Trichloroethane | 83 | 5.415 | 5.408 | (0.832) | 1842519 | 500.000 | 500(A) |
| | 71 Tetrachloroethene | 166 | 5.150 | 5.143 | (0.791) | 2720020 | 500.000 | 500 |
| | 72 1,3-Dichloropropane | 76 | 5.715 | 5.708 | (0.878) | 3939006 | 500.000 | 500(A) |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31042.d
Report Date: 17-Sep-2009 14:27

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 73 | 2-Hexanone | 43 | 6.267 | 6.260 | (0.963) | 1524023 | 500.000 | 500 |
| 74 | Dibromochloromethane | 129 | 5.594 | 5.587 | (0.859) | 2602480 | 500.000 | 530(A) |
| 76 | Butyl Acetate | 73 | 6.210 | 6.195 | (0.954) | 1160217 | 1000.00 | 930 |
| 77 | 1,2-Dibromoethane | 107 | 5.830 | 5.823 | (0.895) | 2241086 | 500.000 | 520(A) |
| * 78 | Chlorobenzene-d5 | 117 | 6.511 | 6.496 | (1.000) | 855367 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 6.532 | 6.518 | (1.003) | 7239628 | 500.000 | 490 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.647 | 6.632 | (1.021) | 2621715 | 500.000 | 540(A) |
| 81 | Ethylbenzene | 106 | 6.625 | 6.611 | (1.018) | 3876161 | 500.000 | 500 |
| 82 | m+p-Xylene | 106 | 6.840 | 6.819 | (1.051) | 9883139 | 1000.00 | 1000(A) |
| 84 | o-Xylene | 106 | 7.413 | 7.399 | (1.139) | 4617778 | 500.000 | 500(A) |
| 85 | Styrene | 104 | 7.499 | 7.485 | (1.152) | 8283953 | 500.000 | 510(A) |
| 83 | Butyl Acrylate | 73 | 7.843 | 7.836 | (1.205) | 1803908 | 500.000 | 480 |
| 86 | Bromoform | 173 | 7.463 | 7.449 | (1.146) | 1716648 | 500.000 | 570(A) |
| 88 | Isopropylbenzene | 105 | 7.893 | 7.879 | (1.212) | 12011073 | 500.000 | 510(A) |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 8.251 | 8.244 | (0.852) | 312301 | 50.0000 | 49 |
| 90 | Camphene (total) | 93 | 7.986 | 7.972 | (1.227) | 4363753 | 500.000 | 500(A) |
| 91 | Bromobenzene | 156 | 8.351 | 8.337 | (0.862) | 3120516 | 500.000 | 480 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.667 | 8.660 | (0.895) | 2888784 | 500.000 | 510(A) |
| 93 | 1,2,3-Trichloropropane | 110 | 8.781 | 8.774 | (0.907) | 841002 | 500.000 | 520(A) |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 8.903 | 8.889 | (0.919) | 951353 | 500.000 | 480 |
| 95 | n-Propylbenzene | 91 | 8.516 | 8.502 | (0.879) | 15292138 | 500.000 | 490 |
| 96 | 2-Chlorotoluene | 91 | 8.674 | 8.660 | (0.896) | 8964816 | 500.000 | 490 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 8.853 | 8.831 | (0.914) | 11149049 | 500.000 | 530(A) |
| 98 | 4-Chlorotoluene | 91 | 8.917 | 8.896 | (0.921) | 9696534 | 500.000 | 480 |
| 99 | Butyl Methacrylate | 87 | 9.326 | 9.311 | (0.963) | 3699129 | 500.000 | 520(A) |
| 100 | tert-Butylbenzene | 119 | 9.211 | 9.197 | (0.951) | 9571723 | 500.000 | 510(A) |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.304 | 9.297 | (0.961) | 11745037 | 500.000 | 540(A) |
| 102 | 2-Octanone | 43 | 9.934 | 9.920 | (1.026) | 3366046 | 500.000 | 520(A) |
| 103 | sec-Butylbenzene | 105 | 9.419 | 9.412 | (0.973) | 14135896 | 500.000 | 510(A) |
| 104 | 2-Octanol | 45 | 9.813 | 9.806 | (1.013) | 943716 | 500.000 | 500(A) |
| 105 | 1,3-Dichlorobenzene | 146 | 9.591 | 9.576 | (0.990) | 6535312 | 500.000 | 500(A) |
| 107 | p-Isopropyltoluene | 119 | 9.612 | 9.598 | (0.993) | 12701398 | 500.000 | 520(A) |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.684 | 9.670 | (1.000) | 480584 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 9.698 | 9.684 | (1.001) | 6571102 | 500.000 | 490 |
| 110 | Benzyl Chloride | 91 | 9.977 | 9.970 | (1.030) | 6464281 | 500.000 | 450 |
| 106 | n-Butylbenzene | 91 | 10.035 | 10.028 | (1.036) | 11168128 | 500.000 | 510(A) |
| 111 | 1,2-Dichlorobenzene | 146 | 10.106 | 10.092 | (1.044) | 6219703 | 500.000 | 490 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.118) | 605125 | 500.000 | 480 |
| 113 | Camphor | 95 | 11.611 | 11.611 | (1.199) | 1657077 | 2500.00 | 2200 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.396 | 11.389 | (1.177) | 4591253 | 500.000 | 480 |
| 115 | Hexachlorobutadiene | 225 | 11.403 | 11.396 | (1.178) | 1802651 | 500.000 | 460 |
| 116 | Naphthalene | 128 | 11.639 | 11.632 | (1.202) | 9989968 | 500.000 | 410 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.783 | 11.775 | (1.217) | 4051416 | 500.000 | 470 |
| M 120 | 1,2-Dichloroethene (Total) | 100 | | | | 5386291 | 1000.00 | 940 |
| M 121 | Xylene (Total) | 100 | | | | 14500917 | 1500.00 | 1500(A) |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31042.d
Report Date: 17-Sep-2009 14:27

QC Flag Legend

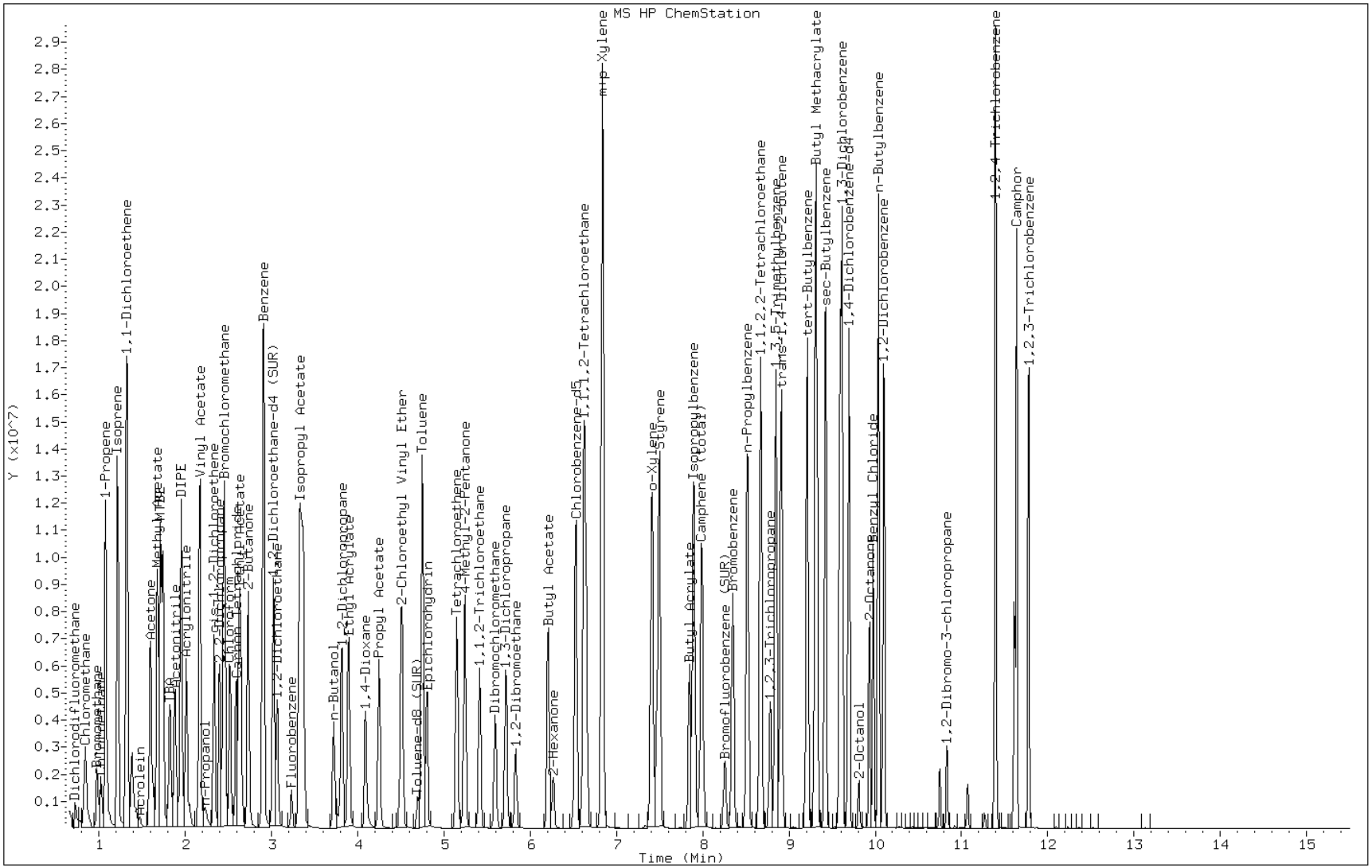
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: p31042.d

Date: 17-SEP-2009 11:10

Client ID: Instrument: VOAMS13.i

Sample Info: IC-VM8CAL6 Operator:



Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31045.d
Report Date: 18-Sep-2009 10:01

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31045.d
Lab Smp Id: ICIS-VM8CAL3
Inj Date : 17-SEP-2009 12:26
Operator : Inst ID: VOAMS13.i
Smp Info : ICIS-VM8CAL3
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/8260_09.m
Meth Date : 18-Sep-2009 10:01 maryb Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.723 | 0.723 | (0.224) | 85269 | 20.0000 | 23 |
| 3 Chloromethane | 50 | 0.838 | 0.838 | (0.259) | 107213 | 20.0000 | 23 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.262) | 116922 | 20.0000 | 25 |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 77617 | 20.0000 | 24 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 70596 | 20.0000 | 23 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 161784 | 20.0000 | 24 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 160239 | 20.0000 | 20 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 12535 | 40.0000 | 39 |
| 15 1,1-Dichloroethene | 96 | 1.303 | 1.303 | (0.403) | 82479 | 20.0000 | 21 |
| 14 Freon TF | 101 | 1.325 | 1.325 | (0.410) | 101775 | 20.0000 | 21 |
| 16 Acetone | 58 | 1.625 | 1.625 | (0.503) | 7743 | 20.0000 | 20 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.317 | (0.408) | 344116 | 20.0000 | 21 |
| 19 Isopropanol | 45 | 1.582 | 1.582 | (0.490) | 844788 | 3000.00 | 2800 |
| 21 Acetonitrile | 39 | 1.876 | 1.876 | (0.581) | 41424 | 400.000 | 380 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 25754 | 20.0000 | 18 |
| 22 Methylene Chloride | 84 | 1.597 | 1.597 | (0.494) | 107868 | 20.0000 | 21 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31045.d
Report Date: 18-Sep-2009 10:01

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.812 | 1.812 | (0.561) | 172318 | 400.000 | 350 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 109516 | 20.0000 | 21 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 34634 | 20.0000 | 21 |
| | 28 MTBE | 73 | 1.740 | 1.740 | (0.539) | 278124 | 20.0000 | 18 |
| | 29 Hexane | 56 | 1.704 | 1.704 | (0.528) | 89380 | 20.0000 | 21 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 194673 | 20.0000 | 21 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 316857 | 20.0000 | 18 |
| | 34 n-Propanol | 60 | 2.227 | 2.227 | (0.690) | 51343 | 3000.00 | 2900 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 307095 | 20.0000 | 18 |
| | 37 2,2-Dichloropropane | 77 | 2.392 | 2.392 | (0.741) | 153408 | 20.0000 | 22 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 114889 | 20.0000 | 21 |
| | 38 2-Butanone | 72 | 2.743 | 2.743 | (0.849) | 14903 | 20.0000 | 19 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 18249 | 40.0000 | 39 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 48814 | 20.0000 | 20 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 33036 | 20.0000 | 19 |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 166999 | 20.0000 | 21 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.635 | (0.816) | 143542 | 20.0000 | 21 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 177594 | 20.0000 | 22 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 122648 | 20.0000 | 21 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 133899 | 20.0000 | 21 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 234793 | 50.0000 | 49 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 403827 | 20.0000 | 21 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 126405 | 20.0000 | 20 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 60096 | 20.0000 | 21 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 229098 | 20.0000 | 17 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.316 | (1.027) | 265035 | 40.0000 | 34 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1093982 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 98992 | 20.0000 | 20 |
| | 53 n-Butanol | 56 | 3.753 | 3.753 | (1.162) | 118349 | 1500.00 | 1500 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 158045 | 20.0000 | 18 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 89297 | 20.0000 | 17 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 99135 | 20.0000 | 20 |
| | 58 Dibromomethane | 93 | 3.710 | 3.710 | (1.149) | 53423 | 20.0000 | 20 |
| | 60 1,4-Dioxane | 88 | 4.097 | 4.097 | (1.268) | 148210 | 3000.00 | 2800 |
| | 59 Methyl Methacrylate | 100 | 4.082 | 4.082 | (1.264) | 22330 | 20.0000 | 17 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 198318 | 40.0000 | 35 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 125266 | 20.0000 | 20 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.491 | 4.491 | (1.390) | 53832 | 20.0000 | 18 |
| | 63 Epichlorohydrin | 57 | 4.784 | 4.784 | (0.736) | 166979 | 400.000 | 360 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 156605 | 20.0000 | 21 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.804) | 62411 | 20.0000 | 18 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 738026 | 50.0000 | 50 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.730) | 412872 | 20.0000 | 20 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.806) | 139041 | 20.0000 | 20 |
| | 69 1,1,2-Trichloroethane | 83 | 5.408 | 5.408 | (0.832) | 65541 | 20.0000 | 20 |
| | 71 Tetrachloroethene | 166 | 5.143 | 5.143 | (0.792) | 92953 | 20.0000 | 19 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.879) | 140279 | 20.0000 | 20 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31045.d
Report Date: 18-Sep-2009 10:01

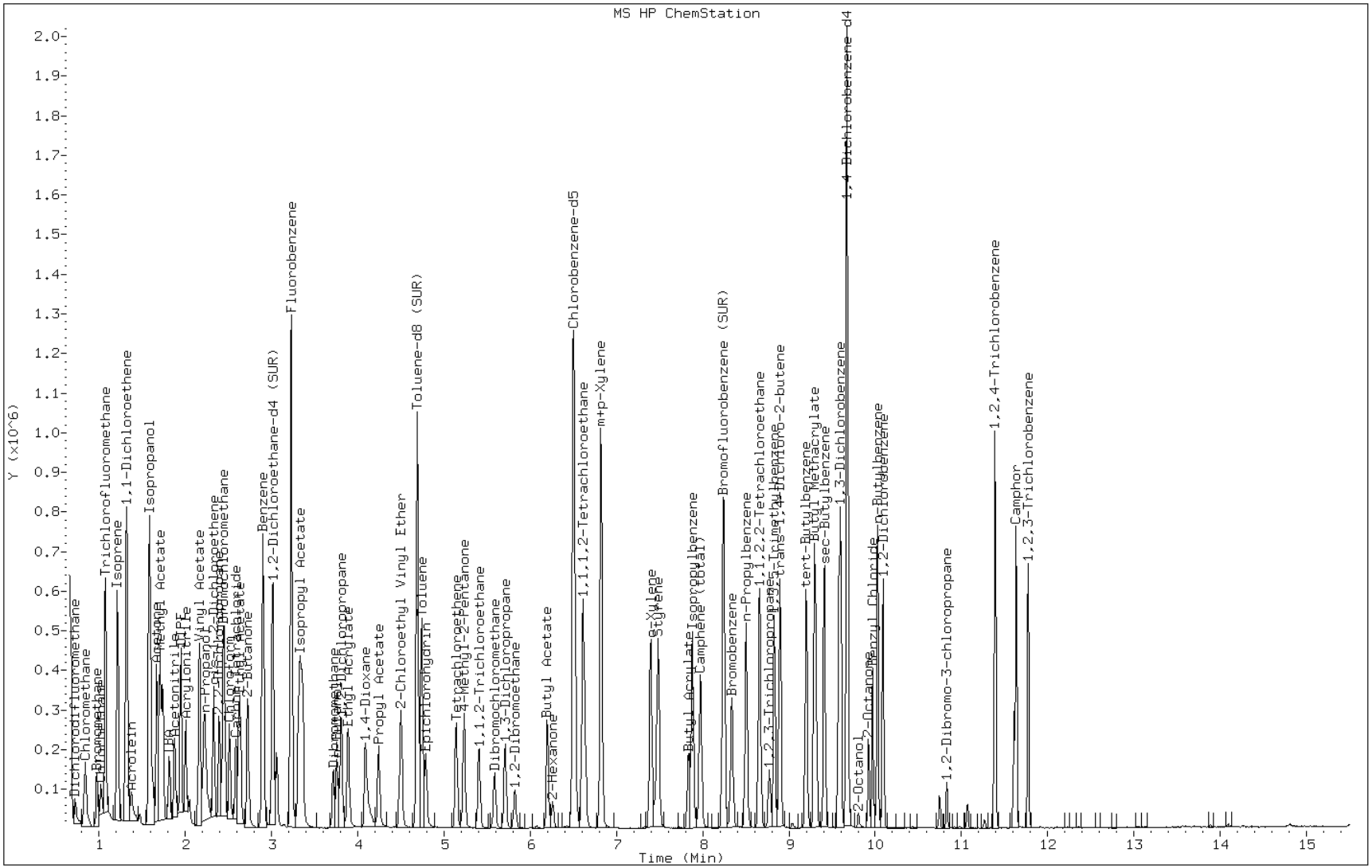
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 73 | 2-Hexanone | 43 | 6.260 | 6.260 | (0.964) | 56828 | 20.0000 | 21 |
| 74 | Dibromochloromethane | 129 | 5.587 | 5.587 | (0.860) | 85176 | 20.0000 | 20 |
| 76 | Butyl Acetate | 73 | 6.195 | 6.195 | (0.954) | 40025 | 40.0000 | 36 |
| 77 | 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.896) | 76691 | 20.0000 | 20 |
| * 78 | Chlorobenzene-d5 | 117 | 6.496 | 6.496 | (1.000) | 750113 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 6.518 | 6.518 | (1.003) | 260480 | 20.0000 | 20 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.632 | (1.021) | 81869 | 20.0000 | 19 |
| 81 | Ethylbenzene | 106 | 6.611 | 6.611 | (1.018) | 139282 | 20.0000 | 20 |
| 82 | m+p-Xylene | 106 | 6.819 | 6.819 | (1.050) | 347887 | 40.0000 | 40 |
| 84 | o-Xylene | 106 | 7.399 | 7.399 | (1.139) | 162780 | 20.0000 | 20 |
| 85 | Styrene | 104 | 7.485 | 7.485 | (1.152) | 289007 | 20.0000 | 20 |
| 83 | Butyl Acrylate | 73 | 7.836 | 7.836 | (1.206) | 57566 | 20.0000 | 17 |
| 86 | Bromoform | 173 | 7.449 | 7.449 | (1.147) | 51707 | 20.0000 | 19 |
| 88 | Isopropylbenzene | 105 | 7.879 | 7.879 | (1.213) | 421734 | 20.0000 | 20 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 279901 | 50.0000 | 51 |
| 90 | Camphene (total) | 93 | 7.972 | 7.972 | (1.227) | 151596 | 20.0000 | 20 |
| 91 | Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 111845 | 20.0000 | 20 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.660 | 8.660 | (0.896) | 93075 | 20.0000 | 19 |
| 93 | 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 26912 | 20.0000 | 19 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 31336 | 20.0000 | 18 |
| 95 | n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 526538 | 20.0000 | 20 |
| 96 | 2-Chlorotoluene | 91 | 8.660 | 8.660 | (0.896) | 312612 | 20.0000 | 20 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.831 | (0.913) | 339360 | 20.0000 | 19 |
| 98 | 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 339081 | 20.0000 | 20 |
| 99 | Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 104804 | 20.0000 | 17 |
| 100 | tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 321932 | 20.0000 | 20 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 356356 | 20.0000 | 19 |
| 102 | 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 98993 | 20.0000 | 18 |
| 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 473652 | 20.0000 | 20 |
| 104 | 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 19659 | 20.0000 | 12 |
| 105 | 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 223938 | 20.0000 | 20 |
| 107 | p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 404143 | 20.0000 | 19 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.670 | (1.000) | 412565 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 228350 | 20.0000 | 20 |
| 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 236664 | 20.0000 | 19 |
| 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 364477 | 20.0000 | 19 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 218483 | 20.0000 | 20 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 21002 | 20.0000 | 19 |
| 113 | Camphor | 95 | 11.611 | 11.611 | (1.201) | 57213 | 100.000 | 90 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 162128 | 20.0000 | 20 |
| 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 63679 | 20.0000 | 19 |
| 116 | Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 404976 | 20.0000 | 20 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.775 | (1.218) | 146932 | 20.0000 | 20 |
| M 120 | 1,2-Dichloroethene (Total) | 100 | | | | 224405 | 40.0000 | 42 |
| M 121 | Xylene (Total) | 100 | | | | 510667 | 60.0000 | 60 |

Data File: p31045.d

Date: 17-SEP-2009 12:26

Client ID: Instrument: VOAMS13.i

Sample Info: ICIS-VM8CAL3 Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17559/2 Calibration Date: 09/21/2009 22:39

Instrument ID: VOAMS13 Calib Start Date: 09/17/2009 08:13

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/17/2009 12:26

Lab File ID: p31189.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.1705 | 0.1867 | | 21.9 | 20.0 | 9.5 | 50.0 |
| Chloromethane | Ave | 0.2105 | 0.2389 | 0.1000 | 22.7 | 20.0 | 13.5 | 50.0 |
| Vinyl chloride | Ave | 0.2164 | 0.2439 | | 22.5 | 20.0 | 12.7 | 20.0 |
| Bromomethane | LinF | 0.1546 | 0.1863 | | 25.4 | 20.0 | 27.2 | 50.0 |
| Chloroethane | Ave | 0.1422 | 0.1541 | | 21.7 | 20.0 | 8.4 | 50.0 |
| Trichlorofluoromethane | Ave | 0.3097 | 0.3408 | | 22.0 | 20.0 | 10.0 | 50.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.3740 | 0.3387 | | 18.1 | 20.0 | -9.4 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.1826 | 0.1705 | | 18.7 | 20.0 | -6.6 | 20.0 |
| Carbon disulfide | LinF | 0.8818 | 0.7159 | | 19.1 | 20.0 | -4.4 | 50.0 |
| 1,1,2-Trichloro-1,2,2-triflu oroethane | LinF | 0.2501 | 0.2092 | | 18.9 | 20.0 | -5.6 | 50.0 |
| Acrolein | Ave | 0.0146 | 0.0143 | | 39.1 | 40.0 | -2.3 | 99.0 |
| Isopropyl alcohol | Ave | 0.0136 | 0.0129 | | 2850 | 3000 | -5.1 | 50.0 |
| Methylene Chloride | Ave | 0.2351 | 0.2327 | | 19.8 | 20.0 | -1.0 | 50.0 |
| Acetone | LinF | 0.0232 | 0.0170 | | 19.2 | 20.0 | -4.1 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2335 | 0.2270 | | 19.4 | 20.0 | -2.8 | 50.0 |
| Methyl acetate | LinF | 0.0710 | 0.0597 | | 18.0 | 20.0 | -10.1 | 50.0 |
| Hexane | LinF | 0.2225 | 0.1840 | | 19.0 | 20.0 | -4.8 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7080 | 0.6348 | | 17.9 | 20.0 | -10.3 | 50.0 |
| 2-Methyl-2-propanol | LinF | 0.0244 | 0.0191 | | 343 | 400 | -14.2 | 50.0 |
| Acetonitrile | Ave | 0.0050 | 0.0043 | | 346 | 400 | -13.6 | 50.0 |
| Isopropyl ether | Ave | 0.7968 | 0.7298 | | 18.3 | 20.0 | -8.4 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.4151 | 0.4115 | 0.1000 | 19.8 | 20.0 | -0.9 | 50.0 |
| Acrylonitrile | Ave | 0.0756 | 0.0755 | | 20.0 | 20.0 | -0.1 | 50.0 |
| Tert-butyl ethyl ether | Ave | 0.7716 | 0.6987 | 0.0100 | 18.1 | 20.0 | -9.4 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2511 | 0.2450 | | 19.5 | 20.0 | -2.4 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.3212 | 0.3516 | | 21.9 | 20.0 | 9.5 | 50.0 |
| Cyclohexane | LinF | 0.4119 | 0.3931 | | 21.0 | 20.0 | 4.9 | 50.0 |
| Chlorobromomethane | Ave | 0.1093 | 0.1168 | | 21.4 | 20.0 | 6.9 | 50.0 |
| Chloroform | Ave | 0.3588 | 0.3874 | | 21.6 | 20.0 | 8.0 | 20.0 |
| Carbon tetrachloride | Ave | 0.2635 | 0.2905 | | 22.0 | 20.0 | 10.2 | 50.0 |
| Ethyl acetate | LinF | 0.0239 | 0.0225 | | 42.3 | 40.0 | 5.8 | 50.0 |
| Tetrahydrofuran | LinF | 0.0894 | 0.0867 | | 21.7 | 20.0 | 8.3 | 50.0 |
| 1,1,1-Trichloroethane | Ave | 0.3079 | 0.3387 | | 22.0 | 20.0 | 10.0 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.2943 | 0.3115 | | 21.2 | 20.0 | 5.9 | 50.0 |
| 2-Butanone (MEK) | LinF | 0.0317 | 0.0371 | | 21.2 | 20.0 | 6.1 | 50.0 |
| n-Heptane | LinF | 0.1634 | 0.1319 | | 20.0 | 20.0 | 0.1 | 50.0 |
| Benzene | Ave | 1.264 | 1.219 | | 19.3 | 20.0 | -3.6 | 50.0 |
| Tert-amyl methyl ether | Ave | 0.6074 | 0.5562 | | 18.3 | 20.0 | -8.4 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.2819 | 0.2755 | | 19.5 | 20.0 | -2.3 | 50.0 |
| Isopropyl acetate | Ave | 0.3522 | 0.3172 | | 36.0 | 40.0 | -9.9 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17559/2 Calibration Date: 09/21/2009 22:39

Instrument ID: VOAMS13 Calib Start Date: 09/17/2009 08:13

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/17/2009 12:26

Lab File ID: p31189.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methylcyclohexane | LinF | 0.3967 | 0.3423 | | 17.5 | 20.0 | -12.5 | 50.0 |
| Trichloroethene | Ave | 0.2295 | 0.2117 | | 18.4 | 20.0 | -7.8 | 50.0 |
| Dibromomethane | Ave | 0.1216 | 0.1172 | | 19.3 | 20.0 | -3.6 | 50.0 |
| n-Butanol | QuaF | 0.0036 | 0.0038 | | 1580 | 1500 | 5.1 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2203 | 0.2150 | | 19.5 | 20.0 | -2.4 | 20.0 |
| Dichlorobromomethane | Ave | 0.2839 | 0.2777 | | 19.6 | 20.0 | -2.2 | 50.0 |
| Ethyl acrylate | Ave | 0.2443 | 0.2106 | | 17.2 | 20.0 | -13.8 | 50.0 |
| Methyl methacrylate | Ave | 0.0592 | 0.0510 | | 17.2 | 20.0 | -13.8 | 50.0 |
| 1,4-Dioxane | Ave | 0.0024 | 0.0024 | | 2980 | 3000 | -0.6 | 50.0 |
| n-Propyl acetate | Ave | 0.2611 | 0.2344 | | 35.9 | 40.0 | -10.2 | 50.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1386 | 0.1247 | | 18.0 | 20.0 | -10.0 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.4994 | 0.4899 | | 19.6 | 20.0 | -1.9 | 50.0 |
| Toluene | Ave | 1.404 | 1.321 | | 18.8 | 20.0 | -5.9 | 20.0 |
| Epichlorohydrin | Ave | 0.0307 | 0.0248 | | 323 | 400 | -19.2 | 50.0 |
| Tetrachloroethene | Ave | 0.3186 | 0.2954 | | 18.5 | 20.0 | -7.3 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.2264 | 0.2161 | | 19.1 | 20.0 | -4.6 | 50.0 |
| trans-1,3-Dichloropropene | Ave | 0.4623 | 0.4470 | | 19.3 | 20.0 | -3.3 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2151 | 0.2070 | | 19.2 | 20.0 | -3.8 | 50.0 |
| Chlorodibromomethane | Ave | 0.2850 | 0.2773 | | 19.5 | 20.0 | -2.7 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.4590 | 0.4347 | | 18.9 | 20.0 | -5.3 | 50.0 |
| Ethylene Dibromide | Ave | 0.2532 | 0.2470 | | 19.5 | 20.0 | -2.4 | 50.0 |
| n-Butyl acetate | Ave | 0.0731 | 0.0620 | | 33.9 | 40.0 | -15.2 | 50.0 |
| 2-Hexanone | Ave | 0.1799 | 0.1723 | | 19.1 | 20.0 | -4.3 | 50.0 |
| Chlorobenzene | Ave | 0.8620 | 0.8259 | 0.3000 | 19.2 | 20.0 | -4.2 | 50.0 |
| Ethylbenzene | Ave | 0.4562 | 0.4244 | | 18.6 | 20.0 | -7.0 | 20.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2854 | 0.2683 | | 18.8 | 20.0 | -6.0 | 50.0 |
| m-Xylene & p-Xylene | Ave | 0.5765 | 0.5379 | | 37.3 | 40.0 | -6.7 | 50.0 |
| o-Xylene | Ave | 0.5393 | 0.5194 | | 19.3 | 20.0 | -3.7 | 50.0 |
| Bromoform | Ave | 0.1773 | 0.1660 | 0.1000 | 18.7 | 20.0 | -6.4 | 50.0 |
| Styrene | Ave | 0.9463 | 0.8857 | | 18.7 | 20.0 | -6.4 | 50.0 |
| n-Butyl acrylate | Ave | 0.2193 | 0.1812 | | 16.5 | 20.0 | -17.4 | 50.0 |
| Isopropylbenzene | Ave | 1.376 | 1.270 | | 18.5 | 20.0 | -7.7 | 50.0 |
| Camphene | LinF | 0.5332 | 0.4396 | | 17.2 | 20.0 | -13.8 | 50.0 |
| Bromobenzene | Ave | 0.6746 | 0.6358 | | 18.9 | 20.0 | -5.7 | 50.0 |
| N-Propylbenzene | Ave | 3.229 | 2.921 | | 18.1 | 20.0 | -9.5 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.5893 | 0.5466 | 0.3000 | 18.6 | 20.0 | -7.2 | 50.0 |
| 2-Chlorotoluene | Ave | 1.893 | 1.779 | | 18.8 | 20.0 | -6.1 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.1688 | 0.1610 | | 19.1 | 20.0 | -4.6 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.172 | 1.952 | | 18.0 | 20.0 | -10.2 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.2063 | 0.1828 | | 17.7 | 20.0 | -11.4 | 50.0 |
| 4-Chlorotoluene | Ave | 2.076 | 1.927 | | 18.6 | 20.0 | -7.2 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17559/2  Calibration Date: 09/21/2009 22:39

Instrument ID: VOAMS13  Calib Start Date: 09/17/2009 08:13

GC Column: DB-624  ID: 0.18(mm)  Calib End Date: 09/17/2009 12:26

Lab File ID: p31189.d  Conc. Units: ug/L  Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| tert-Butylbenzene | Ave | 1.947 | 1.741 | | 17.9 | 20.0 | -10.6 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.264 | 2.086 | | 18.4 | 20.0 | -7.8 | 50.0 |
| Butyl Methacrylate | Ave | 0.7442 | 0.6266 | | 16.8 | 20.0 | -15.8 | 50.0 |
| sec-Butylbenzene | Ave | 2.887 | 2.515 | | 17.4 | 20.0 | -12.9 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.346 | 1.227 | | 18.2 | 20.0 | -8.9 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.518 | 2.149 | | 17.1 | 20.0 | -14.6 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.404 | 1.293 | | 18.4 | 20.0 | -7.9 | 50.0 |
| 2-Octanol | LinF | 0.1459 | 0.1110 | | 11.4 | 20.0 | -42.9 | 50.0 |
| 2-Octanone | Ave | 0.6800 | 0.5072 | | 14.9 | 20.0 | -25.4 | 50.0 |
| Benzyl chloride | Ave | 1.490 | 1.284 | | 17.2 | 20.0 | -13.9 | 50.0 |
| n-Butylbenzene | Ave | 2.286 | 1.927 | | 16.9 | 20.0 | -15.7 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.321 | 1.209 | | 18.3 | 20.0 | -8.4 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1313 | 0.1255 | | 19.1 | 20.0 | -4.4 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 1.000 | 0.8558 | | 17.1 | 20.0 | -14.4 | 50.0 |
| Hexachlorobutadiene | Ave | 0.4073 | 0.3331 | | 16.4 | 20.0 | -18.2 | 50.0 |
| Camphor | Ave | 0.0768 | 0.0569 | | 74.1 | 100 | -25.9 | 50.0 |
| Naphthalene | Ave | 2.514 | 2.244 | | 17.9 | 20.0 | -10.7 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.9006 | 0.8172 | | 18.1 | 20.0 | -9.3 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2182 | 0.1989 | | 45.6 | 50.0 | -8.8 | 50.0 |
| Toluene-d8 (Surr) | Ave | 0.9777 | 0.9166 | | 46.9 | 50.0 | -6.2 | 50.0 |
| 4-Bromofluorobenzene | Ave | 0.6635 | 0.6504 | | 49.0 | 50.0 | -2.0 | 50.0 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31189.d
Report Date: 21-Sep-2009 23:36

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31189.d
Lab Smp Id: CCVIS
Inj Date : 21-SEP-2009 22:39
Operator : Inst ID: VOAMS13.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 23:36 ken Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.730 | 0.730 | (0.226) | 79045 | 20.0000 | 22 |
| 3 Chloromethane | 50 | 0.830 | 0.830 | (0.257) | 101119 | 20.0000 | 23 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.262) | 103258 | 20.0000 | 22 |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 78871 | 20.0000 | 25 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 65231 | 20.0000 | 22 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 144258 | 20.0000 | 22 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 143385 | 20.0000 | 18 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 12102 | 40.0000 | 39 |
| 15 1,1-Dichloroethene | 96 | 1.303 | 1.303 | (0.403) | 72156 | 20.0000 | 19 |
| 14 Freon TF | 101 | 1.325 | 1.325 | (0.410) | 88577 | 20.0000 | 19 |
| 16 Acetone | 58 | 1.626 | 1.626 | (0.503) | 7203 | 20.0000 | 19 |
| 18 Carbon Disulfide | 76 | 1.318 | 1.318 | (0.408) | 303067 | 20.0000 | 19 |
| 19 Isopropanol | 45 | 1.575 | 1.575 | (0.488) | 818336 | 3000.00 | 2800 |
| 21 Acetonitrile | 39 | 1.869 | 1.869 | (0.579) | 36418 | 400.000 | 340 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 25249 | 20.0000 | 18 |
| 22 Methylene Chloride | 84 | 1.590 | 1.590 | (0.492) | 98501 | 20.0000 | 20 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31189.d
Report Date: 21-Sep-2009 23:36

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.805 | 1.805 | (0.559) | 161656 | 400.000 | 340 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.669 | 1.669 | (0.517) | 96087 | 20.0000 | 19 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 31979 | 20.0000 | 20 |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 268733 | 20.0000 | 18 |
| | 29 Hexane | 56 | 1.711 | 1.711 | (0.530) | 77880 | 20.0000 | 19 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 174190 | 20.0000 | 20 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 308940 | 20.0000 | 18 |
| | 34 n-Propanol | 60 | 2.220 | 2.220 | (0.687) | 48943 | 3000.00 | 2800 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 295790 | 20.0000 | 18 |
| | 37 2,2-Dichloropropane | 77 | 2.392 | 2.392 | (0.741) | 148835 | 20.0000 | 22 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.328 | 2.328 | (0.721) | 103712 | 20.0000 | 20 |
| | 38 2-Butanone | 72 | 2.736 | 2.736 | (0.847) | 15687 | 20.0000 | 21 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 19011 | 40.0000 | 42 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 49441 | 20.0000 | 21 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 36695 | 20.0000 | 22 |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 163972 | 20.0000 | 22 |
| | 43 1,1,1-Trichloroethane | 97 | 2.636 | 2.636 | (0.816) | 143393 | 20.0000 | 22 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 166400 | 20.0000 | 21 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 122985 | 20.0000 | 22 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 131861 | 20.0000 | 21 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 210557 | 50.0000 | 46 |
| | 48 Benzene | 78 | 2.901 | 2.901 | (0.446) | 368367 | 20.0000 | 19 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 116616 | 20.0000 | 20 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 55822 | 20.0000 | 20 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 235431 | 20.0000 | 18 |
| | 61 Isopropyl Acetate | 43 | 3.309 | 3.309 | (1.024) | 268529 | 40.0000 | 36 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1058300 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 89617 | 20.0000 | 18 |
| | 53 n-Butanol | 56 | 3.753 | 3.753 | (1.162) | 121490 | 1500.00 | 1600 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 144882 | 20.0000 | 17 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 89149 | 20.0000 | 17 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 91027 | 20.0000 | 20 |
| | 58 Dibromomethane | 93 | 3.710 | 3.710 | (1.149) | 49604 | 20.0000 | 19 |
| | 60 1,4-Dioxane | 88 | 4.104 | 4.104 | (1.271) | 149948 | 3000.00 | 3000 |
| | 59 Methyl Methacrylate | 100 | 4.082 | 4.082 | (1.264) | 21583 | 20.0000 | 17 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 198430 | 40.0000 | 36 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 117545 | 20.0000 | 20 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.484 | 4.484 | (1.388) | 52768 | 20.0000 | 18 |
| | 63 Epichlorohydrin | 57 | 4.784 | 4.784 | (0.736) | 149866 | 400.000 | 320 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 148052 | 20.0000 | 20 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.804) | 65308 | 20.0000 | 19 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 692676 | 50.0000 | 47 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.730) | 399176 | 20.0000 | 19 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.806) | 135094 | 20.0000 | 19 |
| | 69 1,1,2-Trichloroethane | 83 | 5.408 | 5.408 | (0.832) | 62562 | 20.0000 | 19 |
| | 71 Tetrachloroethene | 166 | 5.143 | 5.143 | (0.792) | 89294 | 20.0000 | 18 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.879) | 131390 | 20.0000 | 19 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31189.d
Report Date: 21-Sep-2009 23:36

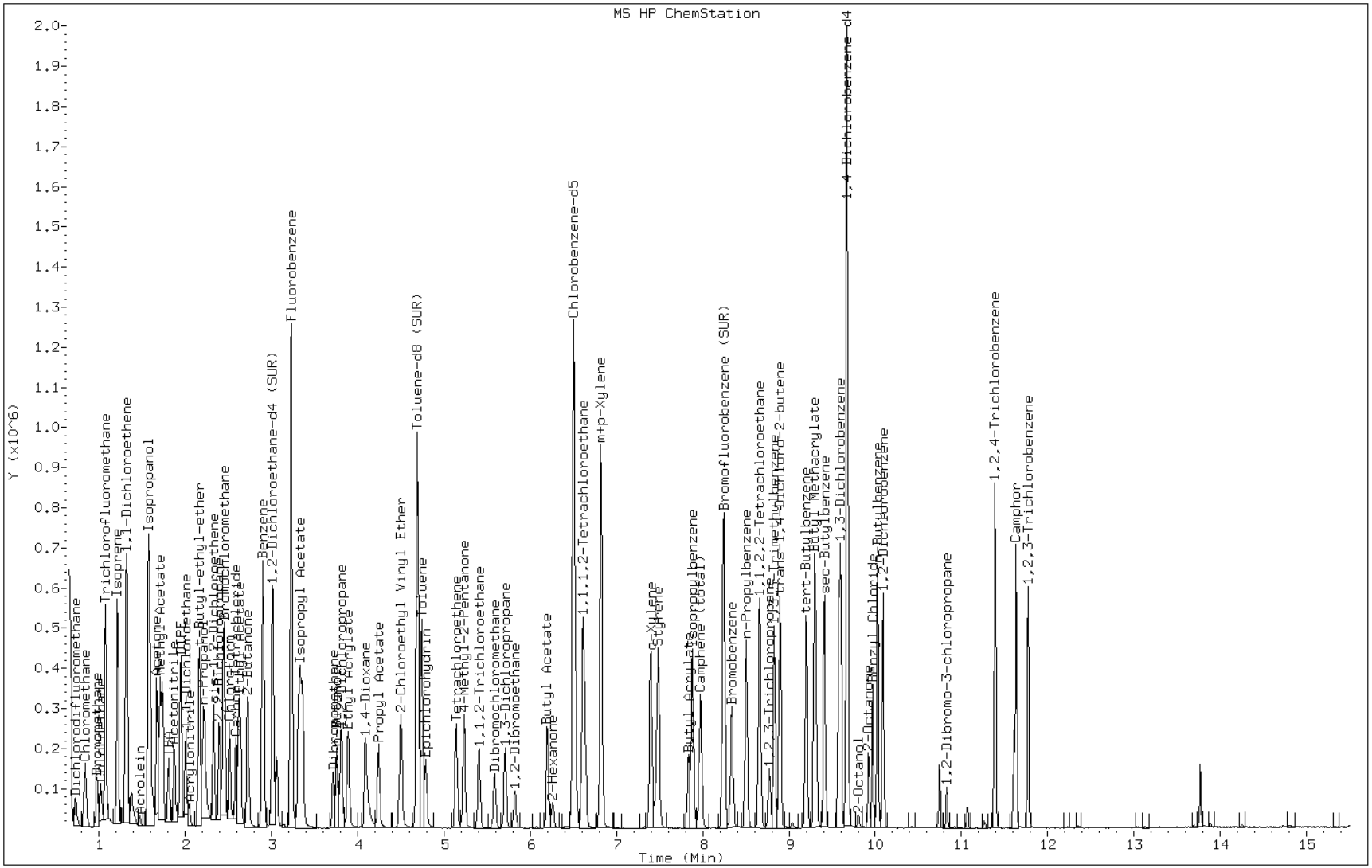
| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT ( ug/L) | ON-COL ( ug/L) |
| | 73 | 2-Hexanone | 43 | 6.260 | 6.260 | (0.964) | 52064 | 20.0000 | 19 |
| | 74 | Dibromochloromethane | 129 | 5.587 | 5.587 | (0.860) | 83815 | 20.0000 | 19 |
| | 76 | Butyl Acetate | 73 | 6.196 | 6.196 | (0.954) | 37463 | 40.0000 | 34 |
| | 77 | 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.896) | 74651 | 20.0000 | 20 |
| * | 78 | Chlorobenzene-d5 | 117 | 6.496 | 6.496 | (1.000) | 755603 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 6.518 | 6.518 | (1.003) | 249623 | 20.0000 | 19 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.633 | 6.633 | (1.021) | 81098 | 20.0000 | 19 |
| | 81 | Ethylbenzene | 106 | 6.611 | 6.611 | (1.018) | 128260 | 20.0000 | 19 |
| | 82 | m+p-Xylene | 106 | 6.819 | 6.819 | (1.050) | 325132 | 40.0000 | 37 |
| | 84 | o-Xylene | 106 | 7.399 | 7.399 | (1.139) | 156989 | 20.0000 | 19 |
| | 85 | Styrene | 104 | 7.485 | 7.485 | (1.152) | 267703 | 20.0000 | 19 |
| | 83 | Butyl Acrylate | 73 | 7.836 | 7.836 | (1.206) | 54776 | 20.0000 | 16 |
| | 86 | Bromoform | 173 | 7.449 | 7.449 | (1.147) | 50164 | 20.0000 | 19 |
| | 88 | Isopropylbenzene | 105 | 7.879 | 7.879 | (1.213) | 383894 | 20.0000 | 18 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 263719 | 50.0000 | 49 |
| | 90 | Camphene (total) | 93 | 7.972 | 7.972 | (1.227) | 132851 | 20.0000 | 17 |
| | 91 | Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 103120 | 20.0000 | 19 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.660 | 8.660 | (0.896) | 88653 | 20.0000 | 18 |
| | 93 | 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 26112 | 20.0000 | 19 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 29644 | 20.0000 | 18 |
| | 95 | n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 473747 | 20.0000 | 18 |
| | 96 | 2-Chlorotoluene | 91 | 8.660 | 8.660 | (0.896) | 288473 | 20.0000 | 19 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 8.832 | 8.832 | (0.913) | 316512 | 20.0000 | 18 |
| | 98 | 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 312500 | 20.0000 | 18 |
| | 99 | Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 101631 | 20.0000 | 17 |
| | 100 | tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 282358 | 20.0000 | 18 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 338350 | 20.0000 | 18 |
| | 102 | 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 82262 | 20.0000 | 15 |
| | 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 407829 | 20.0000 | 17 |
| | 104 | 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 17997 | 20.0000 | 11 |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 198969 | 20.0000 | 18 |
| | 107 | p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 348555 | 20.0000 | 17 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.670 | (1.000) | 405470 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 209747 | 20.0000 | 18 |
| | 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 208172 | 20.0000 | 17 |
| | 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 312610 | 20.0000 | 17 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 196160 | 20.0000 | 18 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 20357 | 20.0000 | 19 |
| | 113 | Camphor | 95 | 11.611 | 11.611 | (1.201) | 46164 | 100.000 | 74 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 138803 | 20.0000 | 17 |
| | 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 54026 | 20.0000 | 16 |
| | 116 | Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 364013 | 20.0000 | 18 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.776 | 11.776 | (1.218) | 132538 | 20.0000 | 18 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 199799 | 40.0000 | 39 |
| M | 121 | Xylene (Total) | 100 | | | | 482121 | 60.0000 | 56 |

Data File: p31189.d

Date: 21-SEP-2009 22:39

Client ID: Instrument: VOAMS13.i

Sample Info: CCVIS Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17748/2 Calibration Date: 09/23/2009 08:39

Instrument ID: VOAMS13 Calib Start Date: 09/17/2009 08:13

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/17/2009 12:26

Lab File ID: p31233.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.1705 | 0.1556 | | 18.3 | 20.0 | -8.7 | 50.0 |
| Chloromethane | Ave | 0.2105 | 0.2119 | 0.1000 | 20.1 | 20.0 | 0.6 | 50.0 |
| Vinyl chloride | Ave | 0.2164 | 0.2204 | | 20.4 | 20.0 | 1.8 | 20.0 |
| Bromomethane | LinF | 0.1546 | 0.1037 | | 14.2 | 20.0 | -29.2 | 50.0 |
| Chloroethane | Ave | 0.1422 | 0.1350 | | 19.0 | 20.0 | -5.0 | 50.0 |
| Trichlorofluoromethane | Ave | 0.3097 | 0.3025 | | 19.5 | 20.0 | -2.3 | 50.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.3740 | 0.3982 | | 21.3 | 20.0 | 6.5 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.1826 | 0.1748 | | 19.1 | 20.0 | -4.3 | 20.0 |
| Carbon disulfide | LinF | 0.8818 | 0.8670 | | 23.2 | 20.0 | 15.8 | 50.0 |
| 1,1,2-Trichloro-1,2,2-triflu oroethane | LinF | 0.2501 | 0.2553 | | 23.0 | 20.0 | 15.1 | 50.0 |
| Acrolein | Ave | 0.0146 | 0.0141 | | 38.6 | 40.0 | -3.6 | 99.0 |
| Isopropyl alcohol | Ave | 0.0136 | 0.0140 | | 3090 | 3000 | 3.0 | 50.0 |
| Methylene Chloride | Ave | 0.2351 | 0.2324 | | 19.8 | 20.0 | -1.1 | 50.0 |
| Acetone | LinF | 0.0232 | 0.0250 | | 28.2 | 20.0 | 41.0 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2335 | 0.2212 | | 18.9 | 20.0 | -5.3 | 50.0 |
| Methyl acetate | LinF | 0.0710 | 0.0730 | | 22.0 | 20.0 | 9.9 | 50.0 |
| Hexane | LinF | 0.2225 | 0.2237 | | 23.1 | 20.0 | 15.7 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7080 | 0.7951 | | 22.5 | 20.0 | 12.3 | 50.0 |
| 2-Methyl-2-propanol | LinF | 0.0244 | 0.0254 | | 456 | 400 | 14.1 | 50.0 |
| Acetonitrile | Ave | 0.0050 | 0.0055 | | 438 | 400 | 9.5 | 50.0 |
| Isopropyl ether | Ave | 0.7968 | 0.9071 | | 22.8 | 20.0 | 13.8 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.4151 | 0.4235 | 0.1000 | 20.4 | 20.0 | 2.0 | 50.0 |
| Acrylonitrile | Ave | 0.0756 | 0.0985 | | 26.1 | 20.0 | 30.3 | 50.0 |
| Tert-butyl ethyl ether | Ave | 0.7716 | 0.8748 | 0.0100 | 22.7 | 20.0 | 13.4 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2511 | 0.2447 | | 19.5 | 20.0 | -2.5 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.3212 | 0.3523 | | 21.9 | 20.0 | 9.7 | 50.0 |
| Cyclohexane | LinF | 0.4119 | 0.4730 | | 25.2 | 20.0 | 26.2 | 50.0 |
| Chlorobromomethane | Ave | 0.1093 | 0.1139 | | 20.8 | 20.0 | 4.2 | 50.0 |
| Chloroform | Ave | 0.3588 | 0.3914 | | 21.8 | 20.0 | 9.1 | 20.0 |
| Carbon tetrachloride | Ave | 0.2635 | 0.2852 | | 21.6 | 20.0 | 8.2 | 50.0 |
| Ethyl acetate | LinF | 0.0239 | 0.0290 | | 54.5 | 40.0 | 36.4 | 50.0 |
| Tetrahydrofuran | LinF | 0.0894 | 0.1082 | | 27.0 | 20.0 | 35.2 | 50.0 |
| 1,1,1-Trichloroethane | Ave | 0.3079 | 0.3384 | | 22.0 | 20.0 | 9.9 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.2943 | 0.3007 | | 20.4 | 20.0 | 2.2 | 50.0 |
| 2-Butanone (MEK) | LinF | 0.0317 | 0.0405 | | 23.2 | 20.0 | 15.8 | 50.0 |
| n-Heptane | LinF | 0.1634 | 0.1552 | | 23.5 | 20.0 | 17.7 | 50.0 |
| Benzene | Ave | 1.264 | 1.233 | | 19.5 | 20.0 | -2.4 | 50.0 |
| Tert-amyl methyl ether | Ave | 0.6074 | 0.7008 | | 23.1 | 20.0 | 15.4 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.2819 | 0.2762 | | 19.6 | 20.0 | -2.0 | 50.0 |
| Isopropyl acetate | Ave | 0.3522 | 0.4092 | | 46.5 | 40.0 | 16.2 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17748/2 Calibration Date: 09/23/2009 08:39

Instrument ID: VOAMS13 Calib Start Date: 09/17/2009 08:13

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/17/2009 12:26

Lab File ID: p31233.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methylcyclohexane | LinF | 0.3967 | 0.4216 | | 21.6 | 20.0 | 7.8 | 50.0 |
| Trichloroethene | Ave | 0.2295 | 0.2139 | | 18.6 | 20.0 | -6.8 | 50.0 |
| Dibromomethane | Ave | 0.1216 | 0.1214 | | 20.0 | 20.0 | -0.2 | 50.0 |
| n-Butanol | QuaF | 0.0036 | 0.0044 | | 1760 | 1500 | 17.2 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2203 | 0.2250 | | 20.4 | 20.0 | 2.2 | 20.0 |
| Dichlorobromomethane | Ave | 0.2839 | 0.2874 | | 20.3 | 20.0 | 1.3 | 50.0 |
| Ethyl acrylate | Ave | 0.2443 | 0.2879 | | 23.6 | 20.0 | 17.9 | 50.0 |
| Methyl methacrylate | Ave | 0.0592 | 0.0674 | | 22.8 | 20.0 | 13.8 | 50.0 |
| 1,4-Dioxane | Ave | 0.0024 | 0.0025 | | 3130 | 3000 | 4.4 | 50.0 |
| n-Propyl acetate | Ave | 0.2611 | 0.3080 | | 47.2 | 40.0 | 18.0 | 50.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1386 | 0.1584 | | 22.9 | 20.0 | 14.3 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.4994 | 0.4957 | | 19.9 | 20.0 | -0.7 | 50.0 |
| Toluene | Ave | 1.404 | 1.348 | | 19.2 | 20.0 | -4.0 | 20.0 |
| Epichlorohydrin | Ave | 0.0307 | 0.0319 | | 416 | 400 | 3.9 | 50.0 |
| Tetrachloroethene | Ave | 0.3186 | 0.3040 | | 19.1 | 20.0 | -4.6 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.2264 | 0.2806 | | 24.8 | 20.0 | 23.9 | 50.0 |
| trans-1,3-Dichloropropene | Ave | 0.4623 | 0.4508 | | 19.5 | 20.0 | -2.5 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2151 | 0.2110 | | 19.6 | 20.0 | -1.9 | 50.0 |
| Chlorodibromomethane | Ave | 0.2850 | 0.2796 | | 19.6 | 20.0 | -1.9 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.4590 | 0.4466 | | 19.5 | 20.0 | -2.7 | 50.0 |
| Ethylene Dibromide | Ave | 0.2532 | 0.2539 | | 20.1 | 20.0 | 0.3 | 50.0 |
| n-Butyl acetate | Ave | 0.0731 | 0.0777 | | 42.5 | 40.0 | 6.3 | 50.0 |
| 2-Hexanone | Ave | 0.1799 | 0.2213 | | 24.6 | 20.0 | 23.0 | 50.0 |
| Chlorobenzene | Ave | 0.8620 | 0.8183 | 0.3000 | 19.0 | 20.0 | -5.1 | 50.0 |
| Ethylbenzene | Ave | 0.4562 | 0.4442 | | 19.5 | 20.0 | -2.6 | 20.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2854 | 0.2805 | | 19.7 | 20.0 | -1.7 | 50.0 |
| m-Xylene & p-Xylene | Ave | 0.5765 | 0.5509 | | 38.2 | 40.0 | -4.4 | 50.0 |
| o-Xylene | Ave | 0.5393 | 0.5225 | | 19.4 | 20.0 | -3.1 | 50.0 |
| Bromoform | Ave | 0.1773 | 0.1702 | 0.1000 | 19.2 | 20.0 | -4.0 | 50.0 |
| Styrene | Ave | 0.9463 | 0.8990 | | 19.0 | 20.0 | -5.0 | 50.0 |
| n-Butyl acrylate | Ave | 0.2193 | 0.2323 | | 21.2 | 20.0 | 5.9 | 50.0 |
| Isopropylbenzene | Ave | 1.376 | 1.325 | | 19.3 | 20.0 | -3.7 | 50.0 |
| Camphene | LinF | 0.5332 | 0.5479 | | 21.5 | 20.0 | 7.4 | 50.0 |
| Bromobenzene | Ave | 0.6746 | 0.6505 | | 19.3 | 20.0 | -3.6 | 50.0 |
| N-Propylbenzene | Ave | 3.229 | 3.155 | | 19.5 | 20.0 | -2.3 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.5893 | 0.5833 | 0.3000 | 19.8 | 20.0 | -1.0 | 50.0 |
| 2-Chlorotoluene | Ave | 1.893 | 1.874 | | 19.8 | 20.0 | -1.0 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.1688 | 0.1733 | | 20.5 | 20.0 | 2.7 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.172 | 2.121 | | 19.5 | 20.0 | -2.4 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.2063 | 0.2246 | | 21.8 | 20.0 | 8.9 | 50.0 |
| 4-Chlorotoluene | Ave | 2.076 | 2.019 | | 19.5 | 20.0 | -2.7 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17748/2  Calibration Date: 09/23/2009 08:39

Instrument ID: VOAMS13  Calib Start Date: 09/17/2009 08:13

GC Column: DB-624  ID: 0.18(mm)  Calib End Date: 09/17/2009 12:26

Lab File ID: p31233.d  Conc. Units: ug/L  Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| tert-Butylbenzene | Ave | 1.947 | 1.925 | | 19.8 | 20.0 | -1.2 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.264 | 2.199 | | 19.4 | 20.0 | -2.9 | 50.0 |
| Butyl Methacrylate | Ave | 0.7442 | 0.7897 | | 21.2 | 20.0 | 6.1 | 50.0 |
| sec-Butylbenzene | Ave | 2.887 | 2.888 | | 20.0 | 20.0 | 0.0 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.346 | 1.315 | | 19.5 | 20.0 | -2.3 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.518 | 2.430 | | 19.3 | 20.0 | -3.5 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.404 | 1.324 | | 18.9 | 20.0 | -5.7 | 50.0 |
| 2-Octanol | LinF | 0.1459 | 0.1316 | | 13.5 | 20.0 | -32.3 | 50.0 |
| 2-Octanone | Ave | 0.6800 | 0.7717 | | 22.7 | 20.0 | 13.5 | 50.0 |
| Benzyl chloride | Ave | 1.490 | 1.662 | | 22.3 | 20.0 | 11.5 | 50.0 |
| n-Butylbenzene | Ave | 2.286 | 2.262 | | 19.8 | 20.0 | -1.1 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.321 | 1.255 | | 19.0 | 20.0 | -5.0 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1313 | 0.1274 | | 19.4 | 20.0 | -3.0 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 1.000 | 0.9213 | | 18.4 | 20.0 | -7.9 | 50.0 |
| Hexachlorobutadiene | Ave | 0.4073 | 0.3809 | | 18.7 | 20.0 | -6.5 | 50.0 |
| Camphor | Ave | 0.0768 | 0.0783 | | 102 | 100 | 1.9 | 50.0 |
| Naphthalene | Ave | 2.514 | 2.344 | | 18.6 | 20.0 | -6.8 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.9006 | 0.8751 | | 19.4 | 20.0 | -2.8 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2182 | 0.1964 | | 45.0 | 50.0 | -10.0 | 50.0 |
| Toluene-d8 (Surr) | Ave | 0.9777 | 0.9095 | | 46.5 | 50.0 | -7.0 | 50.0 |
| 4-Bromofluorobenzene | Ave | 0.6635 | 0.6565 | | 49.5 | 50.0 | -1.1 | 50.0 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31233.d
Report Date: 23-Sep-2009 09:10

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31233.d
Lab Smp Id: CCVIS
Inj Date : 23-SEP-2009 08:39
Operator : Inst ID: VOAMS13.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.730 | 0.730 | (0.226) | 69128 | 20.0000 | 18 |
| 3 Chloromethane | 50 | 0.830 | 0.830 | (0.257) | 94133 | 20.0000 | 20 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.261) | 97911 | 20.0000 | 20 |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 46067 | 20.0000 | 14 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 59989 | 20.0000 | 19 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 134376 | 20.0000 | 20 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 176919 | 20.0000 | 21 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 12535 | 40.0000 | 38 |
| 15 1,1-Dichloroethene | 96 | 1.303 | 1.303 | (0.403) | 77650 | 20.0000 | 19 |
| 14 Freon TF | 101 | 1.325 | 1.325 | (0.410) | 113437 | 20.0000 | 23 |
| 16 Acetone | 58 | 1.625 | 1.625 | (0.503) | 11112 | 20.0000 | 28 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.317 | (0.408) | 385184 | 20.0000 | 23 |
| 19 Isopropanol | 45 | 1.575 | 1.575 | (0.488) | 932116 | 3000.00 | 3100 |
| 21 Acetonitrile | 39 | 1.869 | 1.869 | (0.579) | 48454 | 400.000 | 440 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 32412 | 20.0000 | 22 |
| 22 Methylene Chloride | 84 | 1.590 | 1.590 | (0.492) | 103237 | 20.0000 | 20 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31233.d
Report Date: 23-Sep-2009 09:10

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.812 | 1.812 | (0.561) | 225510 | 400.000 | 460 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 98265 | 20.0000 | 19 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 43764 | 20.0000 | 26 |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 353231 | 20.0000 | 22 |
| | 29 Hexane | 56 | 1.704 | 1.704 | (0.528) | 99364 | 20.0000 | 23 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 188144 | 20.0000 | 20 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 402964 | 20.0000 | 23 |
| | 34 n-Propanol | 60 | 2.227 | 2.227 | (0.690) | 53928 | 3000.00 | 3000 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 388613 | 20.0000 | 23 |
| | 37 2,2-Dichloropropane | 77 | 2.392 | 2.392 | (0.741) | 156502 | 20.0000 | 22 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 108712 | 20.0000 | 19 |
| | 38 2-Butanone | 72 | 2.743 | 2.743 | (0.849) | 17971 | 20.0000 | 23 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 25725 | 40.0000 | 54 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 50594 | 20.0000 | 21 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 48054 | 20.0000 | 27 |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 173869 | 20.0000 | 22 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.635 | (0.816) | 150344 | 20.0000 | 22 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 210142 | 20.0000 | 25 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 126704 | 20.0000 | 22 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 133579 | 20.0000 | 20 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 218171 | 50.0000 | 45 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 393207 | 20.0000 | 20 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 122699 | 20.0000 | 20 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 68932 | 20.0000 | 24 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 311327 | 20.0000 | 23 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.316 | (1.027) | 363553 | 40.0000 | 46 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1110636 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 95003 | 20.0000 | 19 |
| | 53 n-Butanol | 56 | 3.760 | 3.760 | (1.164) | 145296 | 1500.00 | 1800 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 187288 | 20.0000 | 22 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 127893 | 20.0000 | 24 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 99971 | 20.0000 | 20 |
| | 58 Dibromomethane | 93 | 3.710 | 3.710 | (1.149) | 53916 | 20.0000 | 20 |
| | 60 1,4-Dioxane | 88 | 4.104 | 4.104 | (1.271) | 165044 | 3000.00 | 3100 |
| | 59 Methyl Methacrylate | 100 | 4.082 | 4.082 | (1.264) | 29931 | 20.0000 | 23 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 273699 | 40.0000 | 47 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 127693 | 20.0000 | 20 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.483 | 4.483 | (1.388) | 70369 | 20.0000 | 23 |
| | 63 Epichlorohydrin | 57 | 4.784 | 4.784 | (0.736) | 203324 | 400.000 | 420 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 158043 | 20.0000 | 20 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.803) | 89465 | 20.0000 | 25 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 724976 | 50.0000 | 46 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.729) | 429797 | 20.0000 | 19 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.805) | 143702 | 20.0000 | 20 |
| | 69 1,1,2-Trichloroethane | 83 | 5.407 | 5.407 | (0.831) | 67271 | 20.0000 | 20 |
| | 71 Tetrachloroethene | 166 | 5.142 | 5.142 | (0.791) | 96924 | 20.0000 | 19 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.878) | 142375 | 20.0000 | 19 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31233.d
Report Date: 23-Sep-2009 09:10

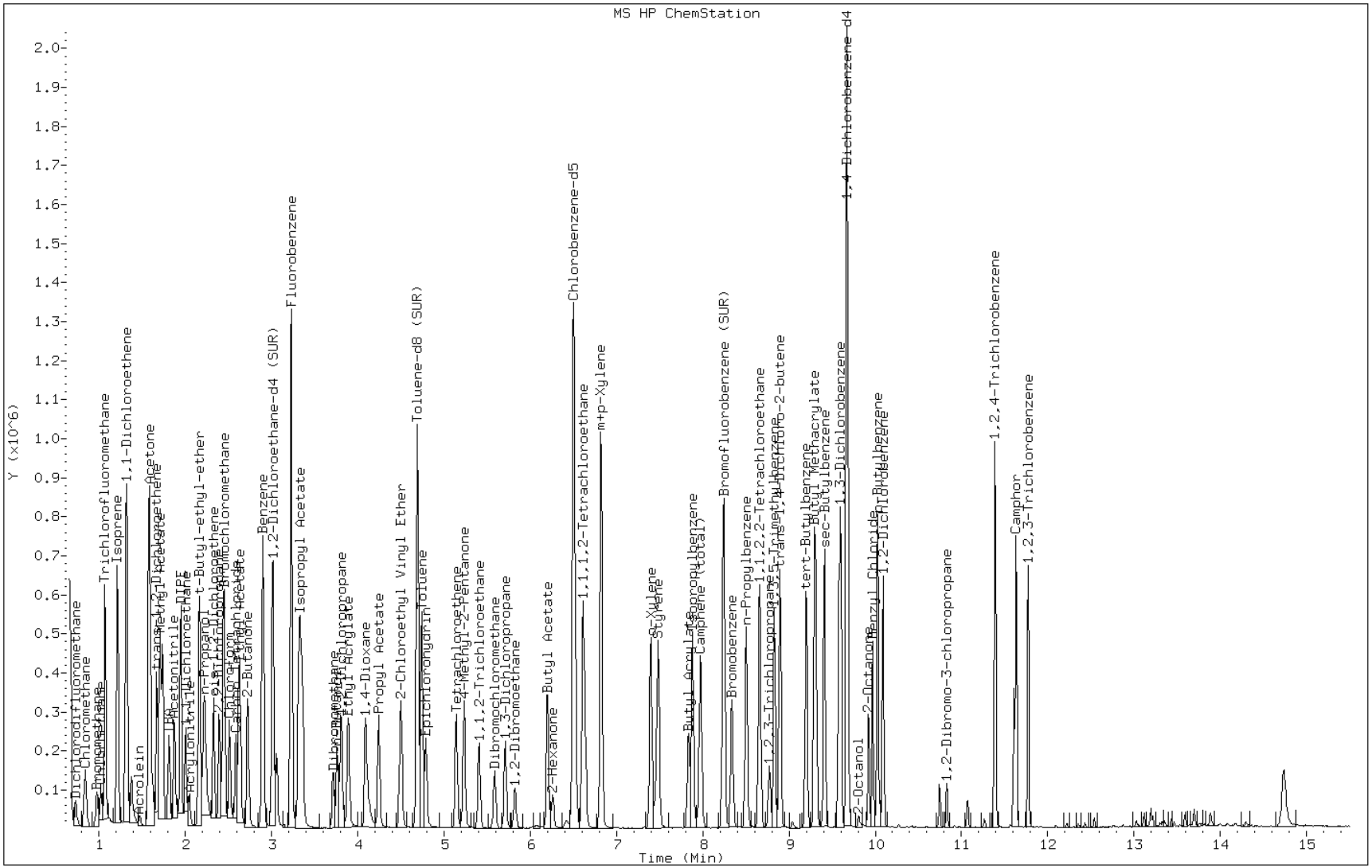
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 73 | 2-Hexanone | 43 | 6.260 | 6.260 | (0.963) | 70560 | 20.0000 | 25 |
| 74 | Dibromochloromethane | 129 | 5.587 | 5.587 | (0.859) | 89121 | 20.0000 | 20 |
| 76 | Butyl Acetate | 73 | 6.203 | 6.203 | (0.954) | 49547 | 40.0000 | 42 |
| 77 | 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.895) | 80935 | 20.0000 | 20 |
| * 78 | Chlorobenzene-d5 | 117 | 6.503 | 6.503 | (1.000) | 797012 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 6.518 | 6.518 | (1.002) | 260883 | 20.0000 | 19 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.632 | (1.020) | 89409 | 20.0000 | 20 |
| 81 | Ethylbenzene | 106 | 6.611 | 6.611 | (1.017) | 141598 | 20.0000 | 19 |
| 82 | m+p-Xylene | 106 | 6.819 | 6.819 | (1.048) | 351242 | 40.0000 | 38 |
| 84 | o-Xylene | 106 | 7.399 | 7.399 | (1.138) | 166561 | 20.0000 | 19 |
| 85 | Styrene | 104 | 7.485 | 7.485 | (1.151) | 286590 | 20.0000 | 19 |
| 83 | Butyl Acrylate | 73 | 7.836 | 7.836 | (1.205) | 74069 | 20.0000 | 21 |
| 86 | Bromoform | 173 | 7.449 | 7.449 | (1.145) | 54259 | 20.0000 | 19 |
| 88 | Isopropylbenzene | 105 | 7.879 | 7.879 | (1.211) | 422401 | 20.0000 | 19 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 275964 | 50.0000 | 49 |
| 90 | Camphene (total) | 93 | 7.972 | 7.972 | (1.226) | 174666 | 20.0000 | 21 |
| 91 | Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 109357 | 20.0000 | 19 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.659 | 8.659 | (0.896) | 98057 | 20.0000 | 20 |
| 93 | 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 29143 | 20.0000 | 20 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 37767 | 20.0000 | 22 |
| 95 | n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 530385 | 20.0000 | 20 |
| 96 | 2-Chlorotoluene | 91 | 8.659 | 8.659 | (0.896) | 315132 | 20.0000 | 20 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.831 | (0.913) | 356622 | 20.0000 | 20 |
| 98 | 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 339471 | 20.0000 | 19 |
| 99 | Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 132770 | 20.0000 | 21 |
| 100 | tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 323561 | 20.0000 | 20 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 369690 | 20.0000 | 19 |
| 102 | 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 129737 | 20.0000 | 23 |
| 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 485497 | 20.0000 | 20 |
| 104 | 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 22129 | 20.0000 | 14 |
| 105 | 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 221028 | 20.0000 | 20 |
| 107 | p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 408555 | 20.0000 | 19 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.669 | (1.000) | 420304 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 222521 | 20.0000 | 19 |
| 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 279424 | 20.0000 | 22 |
| 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 380208 | 20.0000 | 20 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 211040 | 20.0000 | 19 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 21419 | 20.0000 | 19 |
| 113 | Camphor | 95 | 11.611 | 11.611 | (1.201) | 65814 | 100.000 | 100 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 154892 | 20.0000 | 18 |
| 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 64038 | 20.0000 | 19 |
| 116 | Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 394011 | 20.0000 | 19 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.775 | (1.218) | 147119 | 20.0000 | 19 |
| M 120 | 1,2-Dichloroethene (Total) | 100 | | | | 206978 | 40.0000 | 38 |
| M 121 | Xylene (Total) | 100 | | | | 517803 | 60.0000 | 58 |

Data File: p31233.d

Date: 23-SEP-2009 08:39

Client ID: Instrument: VOAMS13.i

Sample Info: CCVIS Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17822/2 Calibration Date: 09/23/2009 20:21

Instrument ID: VOAMS13 Calib Start Date: 09/17/2009 08:13

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/17/2009 12:26

Lab File ID: p31258.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.1705 | 0.1935 | | 22.7 | 20.0 | 13.5 | 50.0 |
| Chloromethane | Ave | 0.2105 | 0.2327 | 0.1000 | 22.1 | 20.0 | 10.5 | 50.0 |
| Vinyl chloride | Ave | 0.2164 | 0.2424 | | 22.4 | 20.0 | 12.0 | 20.0 |
| Bromomethane | LinF | 0.1546 | 0.1126 | | 15.4 | 20.0 | -23.1 | 50.0 |
| Chloroethane | Ave | 0.1422 | 0.1658 | | 23.3 | 20.0 | 16.6 | 50.0 |
| Trichlorofluoromethane | Ave | 0.3097 | 0.3622 | | 23.4 | 20.0 | 16.9 | 50.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.3740 | 0.3390 | | 18.1 | 20.0 | -9.4 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.1826 | 0.1773 | | 19.4 | 20.0 | -2.9 | 20.0 |
| Carbon disulfide | LinF | 0.8818 | 0.7514 | | 20.1 | 20.0 | 0.4 | 50.0 |
| 1,1,2-Trichloro-1,2,2-triflu oroethane | LinF | 0.2501 | 0.2165 | | 19.5 | 20.0 | -2.4 | 50.0 |
| Acrolein | Ave | 0.0146 | 0.0102 | | 27.8 | 40.0 | -30.5 | 99.0 |
| Isopropyl alcohol | Ave | 0.0136 | 0.0124 | | 2740 | 3000 | -8.8 | 50.0 |
| Methylene Chloride | Ave | 0.2351 | 0.2313 | | 19.7 | 20.0 | -1.6 | 50.0 |
| Acetone | LinF | 0.0232 | 0.0202 | | 22.8 | 20.0 | 13.8 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2335 | 0.2325 | | 19.9 | 20.0 | -0.4 | 50.0 |
| Methyl acetate | LinF | 0.0710 | 0.0620 | | 18.7 | 20.0 | -6.6 | 50.0 |
| Hexane | LinF | 0.2225 | 0.1881 | | 19.5 | 20.0 | -2.7 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7080 | 0.6592 | | 18.6 | 20.0 | -6.9 | 50.0 |
| 2-Methyl-2-propanol | LinF | 0.0244 | 0.0194 | | 349 | 400 | -12.7 | 50.0 |
| Acetonitrile | Ave | 0.0050 | 0.0042 | | 341 | 400 | -14.8 | 50.0 |
| Isopropyl ether | Ave | 0.7968 | 0.7486 | | 18.8 | 20.0 | -6.0 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.4151 | 0.4155 | 0.1000 | 20.0 | 20.0 | 0.1 | 50.0 |
| Acrylonitrile | Ave | 0.0756 | 0.0766 | | 20.3 | 20.0 | 1.3 | 50.0 |
| Tert-butyl ethyl ether | Ave | 0.7716 | 0.7319 | 0.0100 | 19.0 | 20.0 | -5.1 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2511 | 0.2564 | | 20.4 | 20.0 | 2.1 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.3212 | 0.3712 | | 23.1 | 20.0 | 15.6 | 50.0 |
| Cyclohexane | LinF | 0.4119 | 0.4037 | | 21.5 | 20.0 | 7.7 | 50.0 |
| Chlorobromomethane | Ave | 0.1093 | 0.1184 | | 21.7 | 20.0 | 8.4 | 50.0 |
| Chloroform | Ave | 0.3588 | 0.4063 | | 22.6 | 20.0 | 13.2 | 20.0 |
| Carbon tetrachloride | Ave | 0.2635 | 0.2939 | | 22.3 | 20.0 | 11.5 | 50.0 |
| Ethyl acetate | LinF | 0.0239 | 0.0244 | | 46.0 | 40.0 | 15.1 | 50.0 |
| Tetrahydrofuran | LinF | 0.0894 | 0.0864 | | 21.6 | 20.0 | 8.0 | 50.0 |
| 1,1,1-Trichloroethane | Ave | 0.3079 | 0.3546 | | 23.0 | 20.0 | 15.1 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.2943 | 0.3319 | | 22.6 | 20.0 | 12.8 | 50.0 |
| 2-Butanone (MEK) | LinF | 0.0317 | 0.0393 | | 22.5 | 20.0 | 12.4 | 50.0 |
| n-Heptane | LinF | 0.1634 | 0.1344 | | 20.4 | 20.0 | 2.0 | 50.0 |
| Benzene | Ave | 1.264 | 1.261 | | 20.0 | 20.0 | -0.2 | 50.0 |
| Tert-amyl methyl ether | Ave | 0.6074 | 0.5765 | | 19.0 | 20.0 | -5.1 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.2819 | 0.2890 | | 20.5 | 20.0 | 2.5 | 50.0 |
| Isopropyl acetate | Ave | 0.3522 | 0.3261 | | 37.0 | 40.0 | -7.4 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17822/2 Calibration Date: 09/23/2009 20:21

Instrument ID: VOAMS13 Calib Start Date: 09/17/2009 08:13

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/17/2009 12:26

Lab File ID: p31258.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methylcyclohexane | LinF | 0.3967 | 0.3661 | | 18.7 | 20.0 | -6.4 | 50.0 |
| Trichloroethene | Ave | 0.2295 | 0.2271 | | 19.8 | 20.0 | -1.1 | 50.0 |
| Dibromomethane | Ave | 0.1216 | 0.1254 | | 20.6 | 20.0 | 3.1 | 50.0 |
| n-Butanol | QuaF | 0.0036 | 0.0032 | | 1330 | 1500 | -11.0 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2203 | 0.2314 | | 21.0 | 20.0 | 5.0 | 20.0 |
| Dichlorobromomethane | Ave | 0.2839 | 0.2962 | | 20.9 | 20.0 | 4.4 | 50.0 |
| Ethyl acrylate | Ave | 0.2443 | 0.2243 | | 18.4 | 20.0 | -8.2 | 50.0 |
| Methyl methacrylate | Ave | 0.0592 | 0.0533 | | 18.0 | 20.0 | -9.9 | 50.0 |
| 1,4-Dioxane | Ave | 0.0024 | 0.0023 | | 2920 | 3000 | -2.7 | 50.0 |
| n-Propyl acetate | Ave | 0.2611 | 0.2404 | | 36.8 | 40.0 | -7.9 | 50.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1386 | 0.1308 | | 18.9 | 20.0 | -5.6 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.4994 | 0.5085 | | 20.4 | 20.0 | 1.8 | 50.0 |
| Toluene | Ave | 1.404 | 1.356 | | 19.3 | 20.0 | -3.4 | 20.0 |
| Epichlorohydrin | Ave | 0.0307 | 0.0253 | | 329 | 400 | -17.7 | 50.0 |
| Tetrachloroethene | Ave | 0.3186 | 0.3047 | | 19.1 | 20.0 | -4.4 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.2264 | 0.2175 | | 19.2 | 20.0 | -3.9 | 50.0 |
| trans-1,3-Dichloropropene | Ave | 0.4623 | 0.4514 | | 19.5 | 20.0 | -2.4 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2151 | 0.2076 | | 19.3 | 20.0 | -3.5 | 50.0 |
| Chlorodibromomethane | Ave | 0.2850 | 0.2915 | | 20.5 | 20.0 | 2.3 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.4590 | 0.4546 | | 19.8 | 20.0 | -1.0 | 50.0 |
| Ethylene Dibromide | Ave | 0.2532 | 0.2515 | | 19.9 | 20.0 | -0.7 | 50.0 |
| n-Butyl acetate | Ave | 0.0731 | 0.0623 | | 34.1 | 40.0 | -14.9 | 50.0 |
| 2-Hexanone | Ave | 0.1799 | 0.1734 | | 19.3 | 20.0 | -3.6 | 50.0 |
| Chlorobenzene | Ave | 0.8620 | 0.8503 | 0.3000 | 19.7 | 20.0 | -1.4 | 50.0 |
| Ethylbenzene | Ave | 0.4562 | 0.4378 | | 19.2 | 20.0 | -4.0 | 20.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2854 | 0.2784 | | 19.5 | 20.0 | -2.4 | 50.0 |
| m-Xylene & p-Xylene | Ave | 0.5765 | 0.5488 | | 38.1 | 40.0 | -4.8 | 50.0 |
| o-Xylene | Ave | 0.5393 | 0.5227 | | 19.4 | 20.0 | -3.1 | 50.0 |
| Bromoform | Ave | 0.1773 | 0.1674 | 0.1000 | 18.9 | 20.0 | -5.6 | 50.0 |
| Styrene | Ave | 0.9463 | 0.9136 | | 19.3 | 20.0 | -3.5 | 50.0 |
| n-Butyl acrylate | Ave | 0.2193 | 0.1883 | | 17.2 | 20.0 | -14.1 | 50.0 |
| Isopropylbenzene | Ave | 1.376 | 1.328 | | 19.3 | 20.0 | -3.5 | 50.0 |
| Camphene | LinF | 0.5332 | 0.4752 | | 18.6 | 20.0 | -6.8 | 50.0 |
| Bromobenzene | Ave | 0.6746 | 0.6560 | | 19.4 | 20.0 | -2.8 | 50.0 |
| N-Propylbenzene | Ave | 3.229 | 3.092 | | 19.2 | 20.0 | -4.2 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.5893 | 0.5570 | 0.3000 | 18.9 | 20.0 | -5.5 | 50.0 |
| 2-Chlorotoluene | Ave | 1.893 | 1.874 | | 19.8 | 20.0 | -1.0 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.1688 | 0.1612 | | 19.1 | 20.0 | -4.5 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.172 | 2.032 | | 18.7 | 20.0 | -6.5 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.2063 | 0.1921 | | 18.6 | 20.0 | -6.9 | 50.0 |
| 4-Chlorotoluene | Ave | 2.076 | 1.980 | | 19.1 | 20.0 | -4.6 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17822/2 Calibration Date: 09/23/2009 20:21

Instrument ID: VOAMS13 Calib Start Date: 09/17/2009 08:13

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/17/2009 12:26

Lab File ID: p31258.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| tert-Butylbenzene | Ave | 1.947 | 1.871 | | 19.2 | 20.0 | -3.9 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.264 | 2.130 | | 18.8 | 20.0 | -5.9 | 50.0 |
| Butyl Methacrylate | Ave | 0.7442 | 0.6555 | | 17.6 | 20.0 | -11.9 | 50.0 |
| sec-Butylbenzene | Ave | 2.887 | 2.727 | | 18.9 | 20.0 | -5.5 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.346 | 1.288 | | 19.1 | 20.0 | -4.3 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.518 | 2.326 | | 18.5 | 20.0 | -7.6 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.404 | 1.304 | | 18.6 | 20.0 | -7.1 | 50.0 |
| 2-Octanol | LinF | 0.1459 | 0.0692 | | 7.12 | 20.0 | -64.4* | 50.0 |
| 2-Octanone | Ave | 0.6800 | 0.7066 | | 20.8 | 20.0 | 3.9 | 50.0 |
| Benzyl chloride | Ave | 1.490 | 1.355 | | 18.2 | 20.0 | -9.1 | 50.0 |
| n-Butylbenzene | Ave | 2.286 | 2.100 | | 18.4 | 20.0 | -8.1 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.321 | 1.252 | | 19.0 | 20.0 | -5.2 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1313 | 0.1175 | | 17.9 | 20.0 | -10.5 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 1.000 | 0.9074 | | 18.1 | 20.0 | -9.3 | 50.0 |
| Hexachlorobutadiene | Ave | 0.4073 | 0.3511 | | 17.2 | 20.0 | -13.8 | 50.0 |
| Camphor | Ave | 0.0768 | 0.0575 | | 74.9 | 100 | -25.2 | 50.0 |
| Naphthalene | Ave | 2.514 | 2.268 | | 18.0 | 20.0 | -9.8 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.9006 | 0.8230 | | 18.3 | 20.0 | -8.6 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2182 | 0.2014 | | 46.2 | 50.0 | -7.7 | 50.0 |
| Toluene-d8 (Surr) | Ave | 0.9777 | 0.9236 | | 47.2 | 50.0 | -5.5 | 50.0 |
| 4-Bromofluorobenzene | Ave | 0.6635 | 0.6586 | | 49.6 | 50.0 | -0.7 | 50.0 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31258.d
Report Date: 23-Sep-2009 22:15

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31258.d
Lab Smp Id: CCVIS
Inj Date : 23-SEP-2009 20:21
Operator : Inst ID: VOAMS13.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 22:15 ken Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.730 | 0.730 | (0.226) | 76854 | 20.0000 | 23 |
| 3 Chloromethane | 50 | 0.830 | 0.830 | (0.257) | 92424 | 20.0000 | 22 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.262) | 96291 | 20.0000 | 22 |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 44736 | 20.0000 | 15 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 65871 | 20.0000 | 23 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 143871 | 20.0000 | 23 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 134686 | 20.0000 | 18 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 8084 | 40.0000 | 28 |
| 15 1,1-Dichloroethene | 96 | 1.303 | 1.303 | (0.403) | 70421 | 20.0000 | 19 |
| 14 Freon TF | 101 | 1.325 | 1.325 | (0.410) | 86012 | 20.0000 | 20 |
| 16 Acetone | 58 | 1.625 | 1.625 | (0.503) | 8017 | 20.0000 | 23 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.317 | (0.408) | 298479 | 20.0000 | 20 |
| 19 Isopropanol | 45 | 1.575 | 1.575 | (0.488) | 737832 | 3000.00 | 2700 |
| 21 Acetonitrile | 39 | 1.869 | 1.869 | (0.579) | 33702 | 400.000 | 340 |
| 27 Methyl Acetate | 74 | 1.683 | 1.683 | (0.521) | 24618 | 20.0000 | 19 |
| 22 Methylene Chloride | 84 | 1.590 | 1.590 | (0.492) | 91893 | 20.0000 | 20 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31258.d
Report Date: 23-Sep-2009 22:15

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.805 | 1.805 | (0.559) | 154265 | 400.000 | 350 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 92365 | 20.0000 | 20 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 30441 | 20.0000 | 20 |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 261882 | 20.0000 | 19 |
| | 29 Hexane | 56 | 1.704 | 1.704 | (0.528) | 74719 | 20.0000 | 19 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 165048 | 20.0000 | 20 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 297396 | 20.0000 | 19 |
| | 34 n-Propanol | 60 | 2.220 | 2.220 | (0.687) | 43246 | 3000.00 | 2600 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 290748 | 20.0000 | 19 |
| | 37 2,2-Dichloropropane | 77 | 2.392 | 2.392 | (0.741) | 147442 | 20.0000 | 23 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 101835 | 20.0000 | 20 |
| | 38 2-Butanone | 72 | 2.736 | 2.736 | (0.847) | 15598 | 20.0000 | 22 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 19411 | 40.0000 | 46 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 47045 | 20.0000 | 22 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 34315 | 20.0000 | 22 |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 161399 | 20.0000 | 23 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.635 | (0.816) | 140851 | 20.0000 | 23 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 160366 | 20.0000 | 22 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 116737 | 20.0000 | 22 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 131846 | 20.0000 | 22 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 200017 | 50.0000 | 46 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 362187 | 20.0000 | 20 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 114815 | 20.0000 | 20 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 53382 | 20.0000 | 20 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 229006 | 20.0000 | 19 |
| | 61 Isopropyl Acetate | 43 | 3.309 | 3.309 | (1.024) | 259099 | 40.0000 | 37 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 993134 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 90222 | 20.0000 | 20 |
| | 53 n-Butanol | 56 | 3.760 | 3.760 | (1.164) | 93983 | 1500.00 | 1300 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 145451 | 20.0000 | 19 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 89090 | 20.0000 | 18 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 91905 | 20.0000 | 21 |
| | 58 Dibromomethane | 93 | 3.710 | 3.710 | (1.149) | 49814 | 20.0000 | 21 |
| | 60 1,4-Dioxane | 88 | 4.097 | 4.097 | (1.268) | 137796 | 3000.00 | 2900 |
| | 59 Methyl Methacrylate | 100 | 4.082 | 4.082 | (1.264) | 21176 | 20.0000 | 18 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 190991 | 40.0000 | 37 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 117683 | 20.0000 | 21 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.483 | 4.483 | (1.388) | 51943 | 20.0000 | 19 |
| | 63 Epichlorohydrin | 57 | 4.784 | 4.784 | (0.736) | 145054 | 400.000 | 330 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 146004 | 20.0000 | 20 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.804) | 62456 | 20.0000 | 19 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 663108 | 50.0000 | 47 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.730) | 389408 | 20.0000 | 19 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.806) | 129607 | 20.0000 | 20 |
| | 69 1,1,2-Trichloroethane | 83 | 5.408 | 5.408 | (0.832) | 59620 | 20.0000 | 19 |
| | 71 Tetrachloroethene | 166 | 5.142 | 5.142 | (0.792) | 87482 | 20.0000 | 19 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.879) | 130530 | 20.0000 | 20 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31258.d
Report Date: 23-Sep-2009 22:15

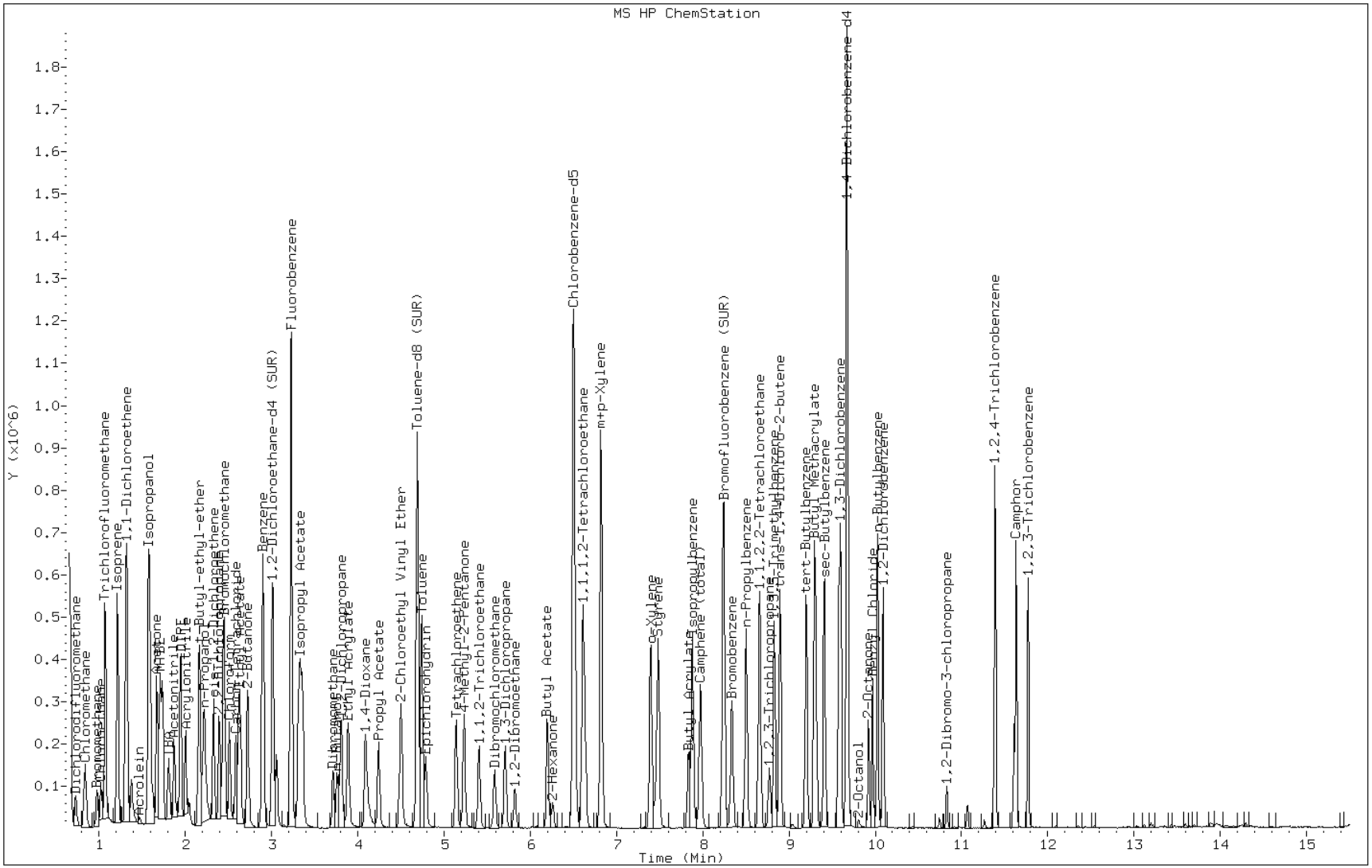
| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT ( ug/L) | ON-COL ( ug/L) |
| | 73 | 2-Hexanone | 43 | 6.260 | 6.260 | (0.964) | 49777 | 20.0000 | 19 |
| | 74 | Dibromochloromethane | 129 | 5.587 | 5.587 | (0.860) | 83698 | 20.0000 | 20 |
| | 76 | Butyl Acetate | 73 | 6.195 | 6.195 | (0.954) | 35750 | 40.0000 | 34 |
| | 77 | 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.896) | 72212 | 20.0000 | 20 |
| * | 78 | Chlorobenzene-d5 | 117 | 6.496 | 6.496 | (1.000) | 717879 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 6.518 | 6.518 | (1.003) | 244158 | 20.0000 | 20 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.632 | (1.021) | 79934 | 20.0000 | 20 |
| | 81 | Ethylbenzene | 106 | 6.611 | 6.611 | (1.018) | 125716 | 20.0000 | 19 |
| | 82 | m+p-Xylene | 106 | 6.819 | 6.819 | (1.050) | 315195 | 40.0000 | 38 |
| | 84 | o-Xylene | 106 | 7.399 | 7.399 | (1.139) | 150107 | 20.0000 | 19 |
| | 85 | Styrene | 104 | 7.485 | 7.485 | (1.152) | 262332 | 20.0000 | 19 |
| | 83 | Butyl Acrylate | 73 | 7.836 | 7.836 | (1.206) | 54076 | 20.0000 | 17 |
| | 86 | Bromoform | 173 | 7.449 | 7.449 | (1.147) | 48063 | 20.0000 | 19 |
| | 88 | Isopropylbenzene | 105 | 7.879 | 7.879 | (1.213) | 381279 | 20.0000 | 19 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 252663 | 50.0000 | 50 |
| | 90 | Camphene (total) | 93 | 7.972 | 7.972 | (1.227) | 136464 | 20.0000 | 19 |
| | 91 | Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 100666 | 20.0000 | 19 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.660 | 8.660 | (0.896) | 85471 | 20.0000 | 19 |
| | 93 | 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 24742 | 20.0000 | 19 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 29480 | 20.0000 | 19 |
| | 95 | n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 474460 | 20.0000 | 19 |
| | 96 | 2-Chlorotoluene | 91 | 8.660 | 8.660 | (0.896) | 287579 | 20.0000 | 20 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.831 | (0.913) | 311768 | 20.0000 | 19 |
| | 98 | 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 303813 | 20.0000 | 19 |
| | 99 | Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 100579 | 20.0000 | 18 |
| | 100 | tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 287084 | 20.0000 | 19 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 326909 | 20.0000 | 19 |
| | 102 | 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 108435 | 20.0000 | 21 |
| | 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 418521 | 20.0000 | 19 |
| | 104 | 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 10615 | 20.0000 | 7.1 |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 197612 | 20.0000 | 19 |
| | 107 | p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 356881 | 20.0000 | 18 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.670 | (1.000) | 383628 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 200142 | 20.0000 | 18 |
| | 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 207942 | 20.0000 | 18 |
| | 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 322272 | 20.0000 | 18 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 192111 | 20.0000 | 19 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 18031 | 20.0000 | 18 |
| | 113 | Camphor | 95 | 11.611 | 11.611 | (1.201) | 44111 | 100.000 | 75 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 139242 | 20.0000 | 18 |
| | 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 53871 | 20.0000 | 17 |
| | 116 | Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 348009 | 20.0000 | 18 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.775 | (1.218) | 126286 | 20.0000 | 18 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 194201 | 40.0000 | 40 |
| M | 121 | Xylene (Total) | 100 | | | | 465302 | 60.0000 | 57 |

Data File: p31258.d

Date: 23-SEP-2009 20:21

Client ID: Instrument: VOAMS13.i

Sample Info: CCVIS Operator:



Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31034.d
Report Date: 17-Sep-2009 09:58

TestAmerica

Data file : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31034.d
Lab Smp Id: BFB
Inj Date : 17-SEP-2009 08:02
Operator : VOAMS 1 Inst ID: VOAMS13.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/VOABFB.m
Meth Date : 08-Apr-2009 22:49 ken Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

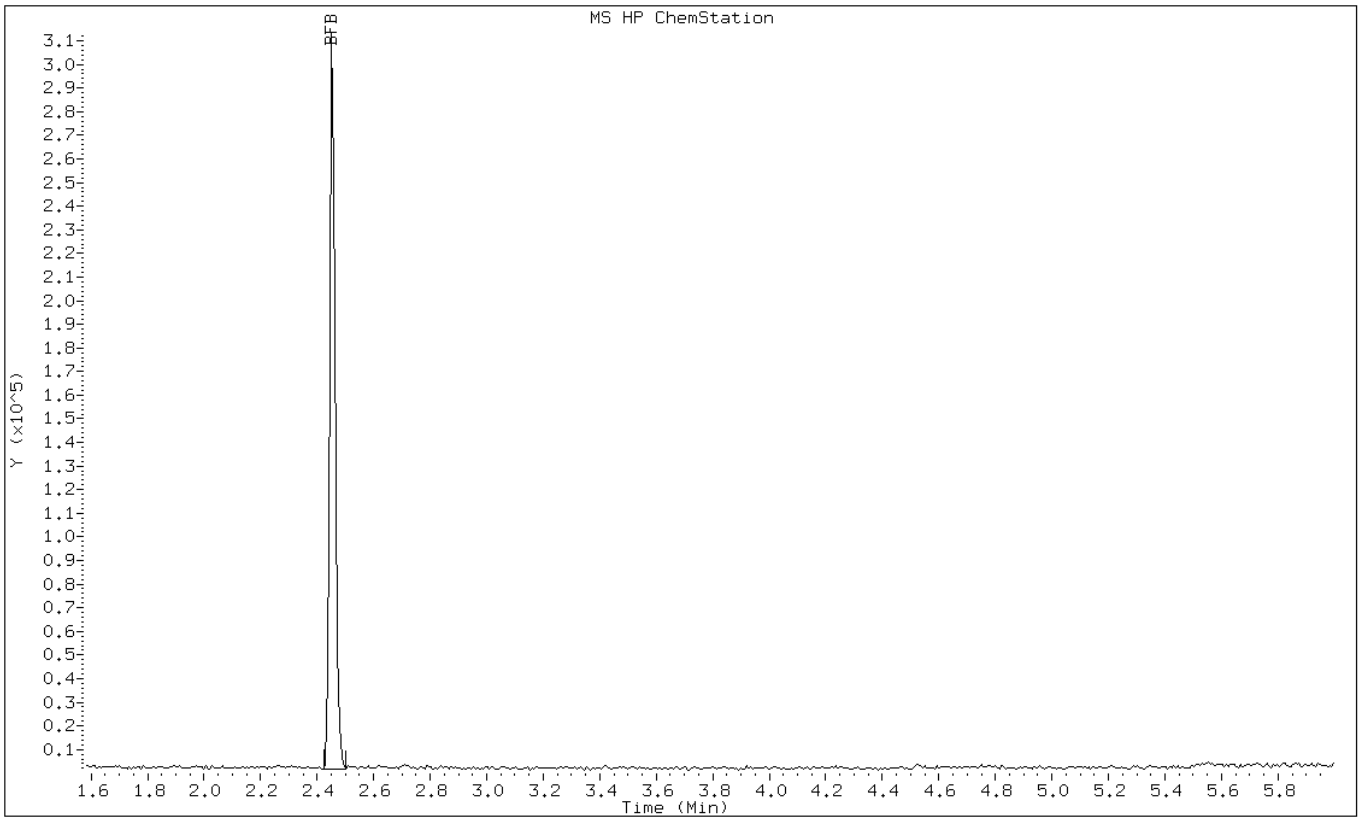
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 2.451 | 2.480 (0.000) | 95 | 51644 | | | 0.00- 100.00 | 100.00 |
| 2.451 | 2.480 (0.000) | 50 | 9351 | | | 15.00- 40.00 | 18.11 |
| 2.451 | 2.480 (0.000) | 75 | 24946 | | | 30.00- 60.00 | 48.30 |
| 2.451 | 2.480 (0.000) | 96 | 3931 | | | 5.00- 9.00 | 7.61 |
| 2.451 | 2.480 (0.000) | 173 | 0 | | | 0.00- 2.00 | 0.00 |
| 2.451 | 2.480 (0.000) | 174 | 40416 | | | 50.00- 100.00 | 78.26 |
| 2.451 | 2.480 (0.000) | 175 | 3267 | | | 5.00- 9.00 | 8.08 |
| 2.451 | 2.480 (0.000) | 176 | 39853 | | | 95.00- 101.00 | 98.61 |
| 2.451 | 2.480 (0.000) | 177 | 2751 | | | 5.00- 9.00 | 6.90 |

Data File: p31034.d

Date: 17-SEP-2009 08:02

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1



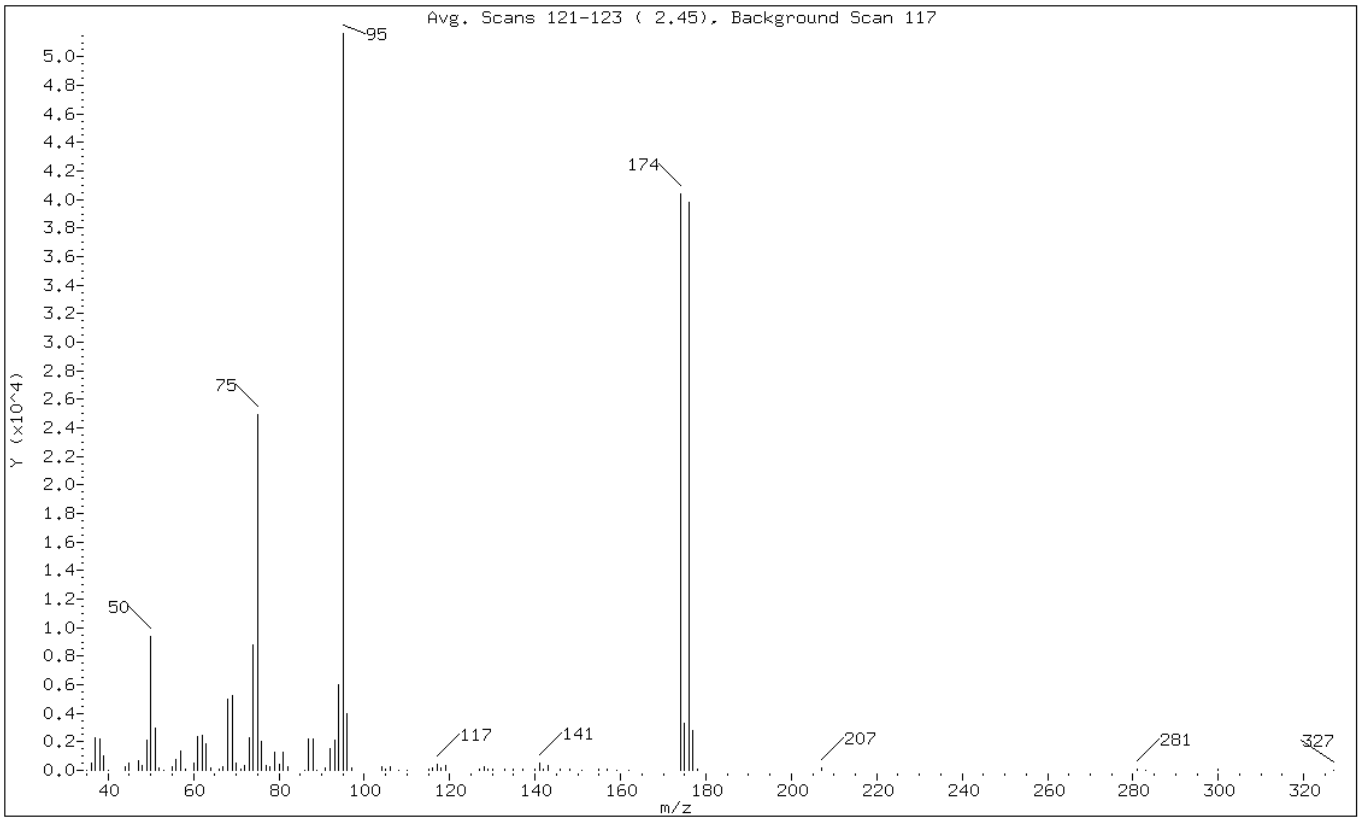
Data File: p31034.d

Date: 17-SEP-2009 08:02

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 18.11 |
| 75 | 30.00 - 60.00% of mass 95 | 48.30 |
| 96 | 5.00 - 9.00% of mass 95 | 7.61 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | 50.00 - 100.00% of mass 95 | 78.26 |
| 175 | 5.00 - 9.00% of mass 174 | 6.33 ( 8.08) |
| 176 | 95.00 - 101.00% of mass 174 | 77.17 ( 98.61) |
| 177 | 5.00 - 9.00% of mass 176 | 5.33 ( 6.90) |

Data File: p31034.d

Date: 17-SEP-2009 08:02

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b/p31034.d
Spectrum: Avg. Scans 121-123 ( 2.45), Background Scan 117
Location of Maximum: 95.00
Number of points: 90

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 35.00 | 33 | 64.00 | 200 | 92.00 | 1482 | 140.00 | 66 |
| 36.00 | 472 | 66.00 | 100 | 93.00 | 2140 | 141.00 | 503 |
| 37.00 | 2269 | 67.00 | 236 | 94.00 | 5990 | 142.00 | 60 |
| 38.00 | 2159 | 68.00 | 4984 | 95.00 | 51640 | 143.00 | 374 |
| 39.00 | 1020 | 69.00 | 5229 | 96.00 | 3931 | 146.00 | 74 |
| 40.00 | 28 | 70.00 | 488 | 97.00 | 165 | 148.00 | 115 |
| 44.00 | 271 | 71.00 | 56 | 104.00 | 225 | 151.00 | 36 |
| 45.00 | 475 | 72.00 | 327 | 105.00 | 81 | 155.00 | 98 |
| 47.00 | 637 | 73.00 | 2285 | 106.00 | 247 | 157.00 | 102 |
| 48.00 | 343 | 74.00 | 8770 | 108.00 | 42 | 159.00 | 42 |
| 49.00 | 2123 | 75.00 | 24944 | 110.00 | 33 | 162.00 | 35 |
| 50.00 | 9351 | 76.00 | 2046 | 115.00 | 83 | 174.00 | 40416 |
| 51.00 | 2985 | 77.00 | 300 | 116.00 | 210 | 175.00 | 3267 |
| 52.00 | 130 | 78.00 | 285 | 117.00 | 422 | 176.00 | 39848 |
| 53.00 | 40 | 79.00 | 1263 | 118.00 | 137 | 177.00 | 2751 |
| 55.00 | 244 | 80.00 | 424 | 119.00 | 319 | 178.00 | 82 |
| 56.00 | 765 | 81.00 | 1295 | 127.00 | 45 | 207.00 | 162 |
| 57.00 | 1390 | 82.00 | 292 | 128.00 | 225 | 281.00 | 87 |
| 58.00 | 92 | 86.00 | 37 | 129.00 | 125 | 283.00 | 35 |
| 60.00 | 476 | 87.00 | 2169 | 130.00 | 64 | 300.00 | 61 |
| 61.00 | 2404 | 88.00 | 2211 | 133.00 | 70 | 327.00 | 37 |
| 62.00 | 2414 | 89.00 | 39 | 135.00 | 94 | | |
| 63.00 | 1857 | 91.00 | 154 | 137.00 | 49 | | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31187.d
Report Date: 21-Sep-2009 23:28

TestAmerica

Data file : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31187.d
Lab Smp Id: BFB
Inj Date : 21-SEP-2009 21:52
Operator : VOAMS 1 Inst ID: VOAMS13.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/VOABFB.m
Meth Date : 08-Apr-2009 22:49 ken Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

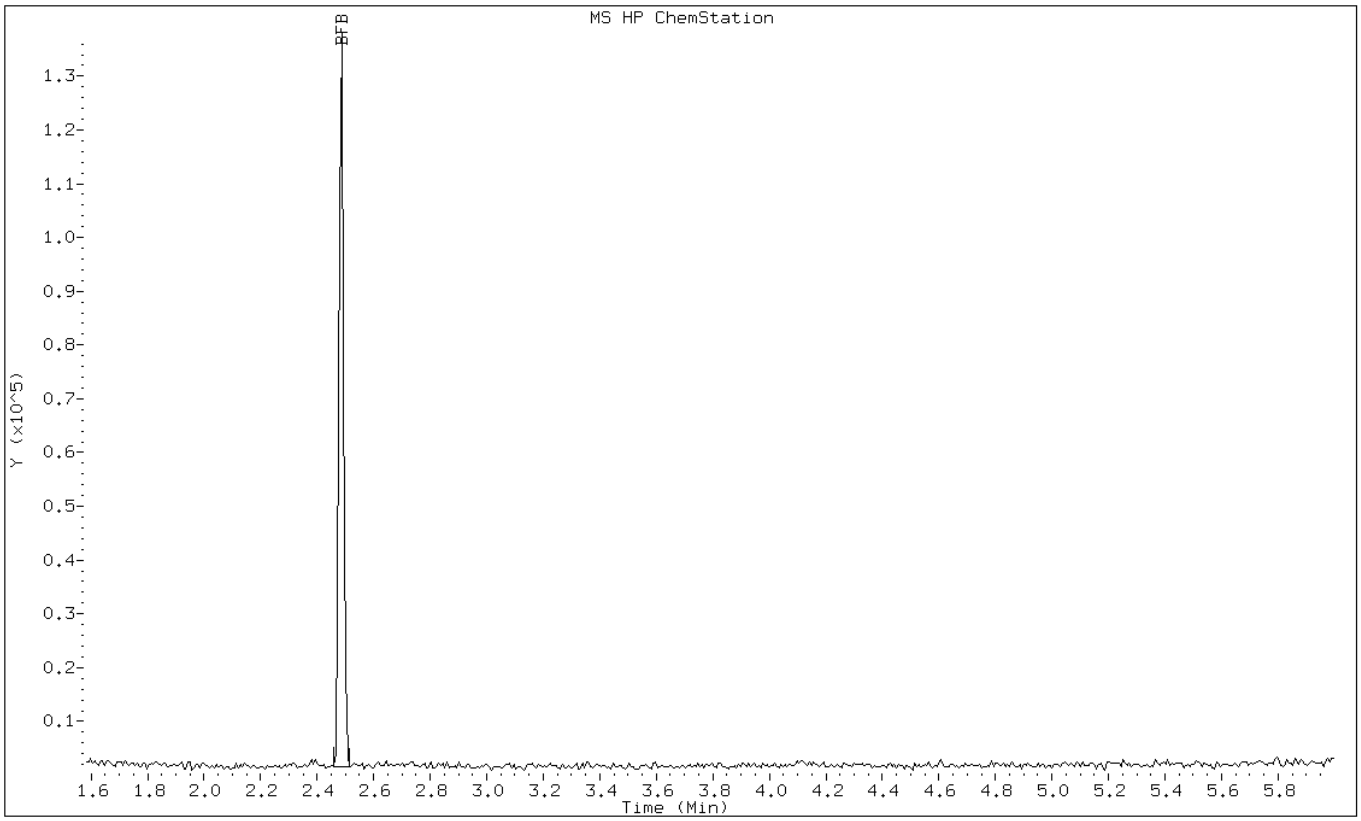
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 2.487 | 2.480 (0.000) | 95 | 21490 | | | 0.00- 100.00 | 100.00 |
| 2.487 | 2.480 (0.000) | 50 | 3550 | | | 15.00- 40.00 | 16.52 |
| 2.487 | 2.480 (0.000) | 75 | 10338 | | | 30.00- 60.00 | 48.11 |
| 2.487 | 2.480 (0.000) | 96 | 1474 | | | 5.00- 9.00 | 6.86 |
| 2.487 | 2.480 (0.000) | 173 | 87 | | | 0.00- 2.00 | 0.49 |
| 2.487 | 2.480 (0.000) | 174 | 17793 | | | 50.00- 100.00 | 82.80 |
| 2.487 | 2.480 (0.000) | 175 | 1021 | | | 5.00- 9.00 | 5.74 |
| 2.487 | 2.480 (0.000) | 176 | 17623 | | | 95.00- 101.00 | 99.04 |
| 2.487 | 2.480 (0.000) | 177 | 1116 | | | 5.00- 9.00 | 6.33 |

Data File: p31187.d

Date: 21-SEP-2009 21:52

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1



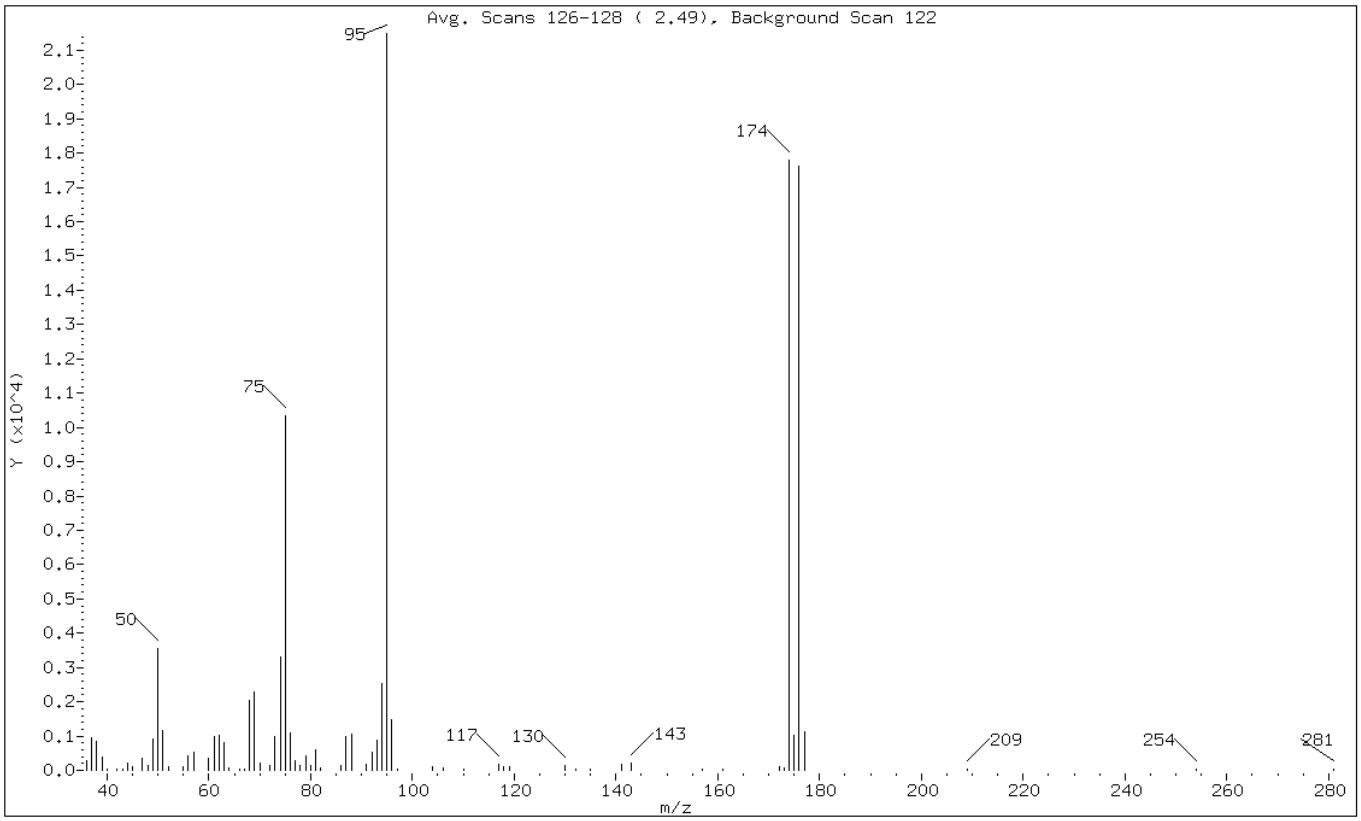
Data File: p31187.d

Date: 21-SEP-2009 21:52

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 16.52 |
| 75 | 30.00 - 60.00% of mass 95 | 48.11 |
| 96 | 5.00 - 9.00% of mass 95 | 6.86 |
| 173 | Less than 2.00% of mass 174 | 0.40 ( 0.49) |
| 174 | 50.00 - 100.00% of mass 95 | 82.80 |
| 175 | 5.00 - 9.00% of mass 174 | 4.75 ( 5.74) |
| 176 | 95.00 - 101.00% of mass 174 | 82.01 ( 99.04) |
| 177 | 5.00 - 9.00% of mass 176 | 5.19 ( 6.33) |

Data File: p31187.d

Date: 21-SEP-2009 21:52

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31187.d
Spectrum: Avg. Scans 126-128 ( 2.49), Background Scan 122
Location of Maximum: 95.00
Number of points: 71

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 294 | 60.00 | 363 | 80.00 | 142 | 119.00 | 114 |
| 37.00 | 962 | 61.00 | 975 | 81.00 | 595 | 130.00 | 146 |
| 38.00 | 855 | 62.00 | 1017 | 82.00 | 66 | 132.00 | 34 |
| 39.00 | 385 | 63.00 | 810 | 86.00 | 141 | 135.00 | 39 |
| 40.00 | 49 | 64.00 | 59 | 87.00 | 981 | 141.00 | 180 |
| 42.00 | 35 | 66.00 | 42 | 88.00 | 1070 | 143.00 | 223 |
| 43.00 | 39 | 67.00 | 40 | 91.00 | 159 | 157.00 | 43 |
| 44.00 | 200 | 68.00 | 2036 | 92.00 | 535 | 161.00 | 39 |
| 45.00 | 108 | 69.00 | 2287 | 93.00 | 878 | 172.00 | 121 |
| 47.00 | 362 | 70.00 | 226 | 94.00 | 2543 | 173.00 | 87 |
| 48.00 | 140 | 72.00 | 149 | 95.00 | 21488 | 174.00 | 17792 |
| 49.00 | 900 | 73.00 | 999 | 96.00 | 1474 | 175.00 | 1021 |
| 50.00 | 3550 | 74.00 | 3311 | 97.00 | 34 | 176.00 | 17616 |
| 51.00 | 1177 | 75.00 | 10338 | 104.00 | 112 | 177.00 | 1116 |
| 52.00 | 106 | 76.00 | 1083 | 106.00 | 73 | 209.00 | 45 |
| 55.00 | 118 | 77.00 | 286 | 110.00 | 41 | 254.00 | 36 |
| 56.00 | 429 | 78.00 | 157 | 117.00 | 182 | 281.00 | 49 |
| 57.00 | 516 | 79.00 | 426 | 118.00 | 101 | | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31231.d
Report Date: 23-Sep-2009 08:04

TestAmerica

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31231.d
Lab Smp Id: BFB
Inj Date : 23-SEP-2009 07:47
Operator : VOAMS 1 Inst ID: VOAMS13.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/VOABFB.m
Meth Date : 08-Apr-2009 22:49 ken Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

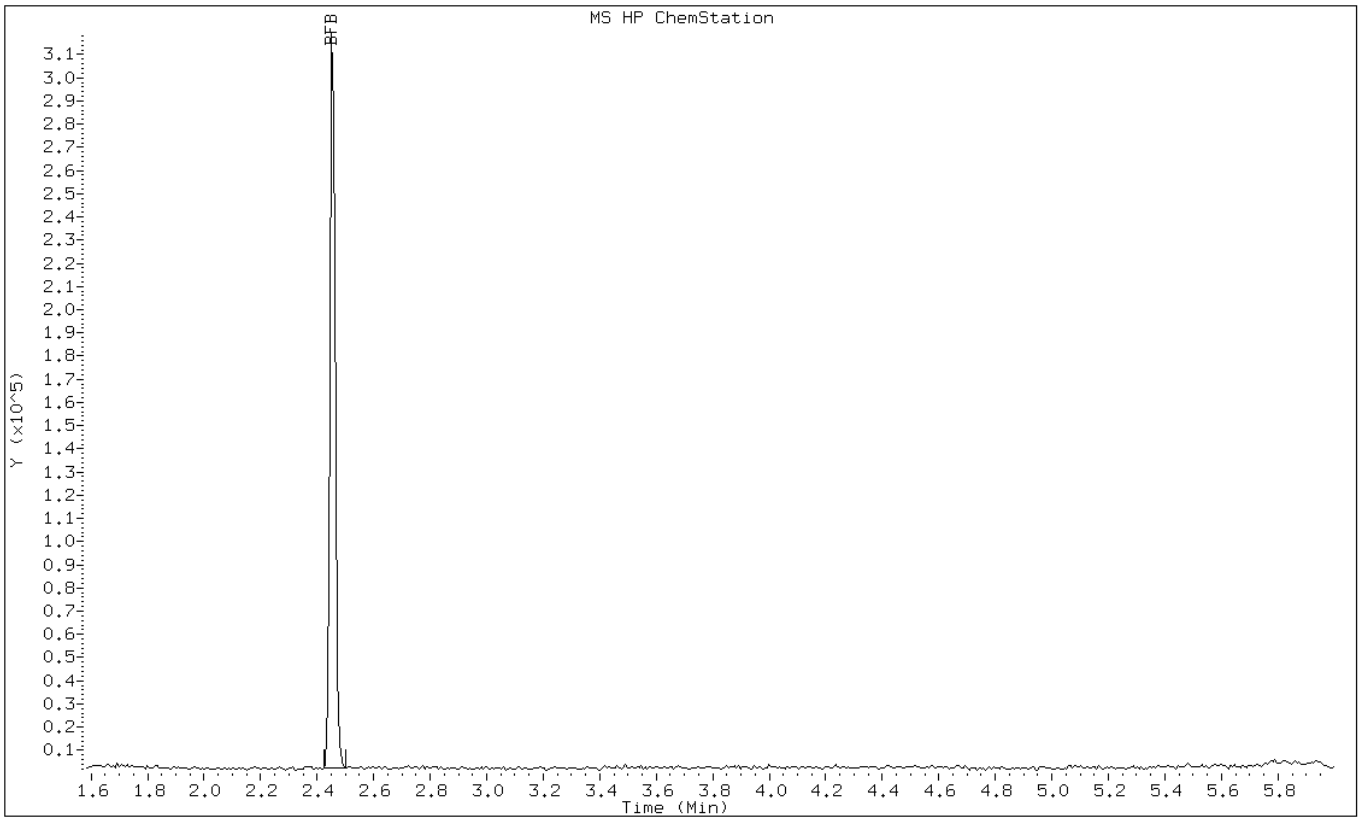
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 2.451 | 2.480 (0.000) | 95 | 56077 | | | 0.00- 100.00 | 100.00 |
| 2.451 | 2.480 (0.000) | 50 | 9661 | | | 15.00- 40.00 | 17.23 |
| 2.451 | 2.480 (0.000) | 75 | 25674 | | | 30.00- 60.00 | 45.78 |
| 2.451 | 2.480 (0.000) | 96 | 3359 | | | 5.00- 9.00 | 5.99 |
| 2.451 | 2.480 (0.000) | 173 | 115 | | | 0.00- 2.00 | 0.28 |
| 2.451 | 2.480 (0.000) | 174 | 40952 | | | 50.00- 100.00 | 73.03 |
| 2.451 | 2.480 (0.000) | 175 | 3321 | | | 5.00- 9.00 | 8.11 |
| 2.451 | 2.480 (0.000) | 176 | 39157 | | | 95.00- 101.00 | 95.62 |
| 2.451 | 2.480 (0.000) | 177 | 2716 | | | 5.00- 9.00 | 6.94 |

Data File: p31231.d

Date: 23-SEP-2009 07:47

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1



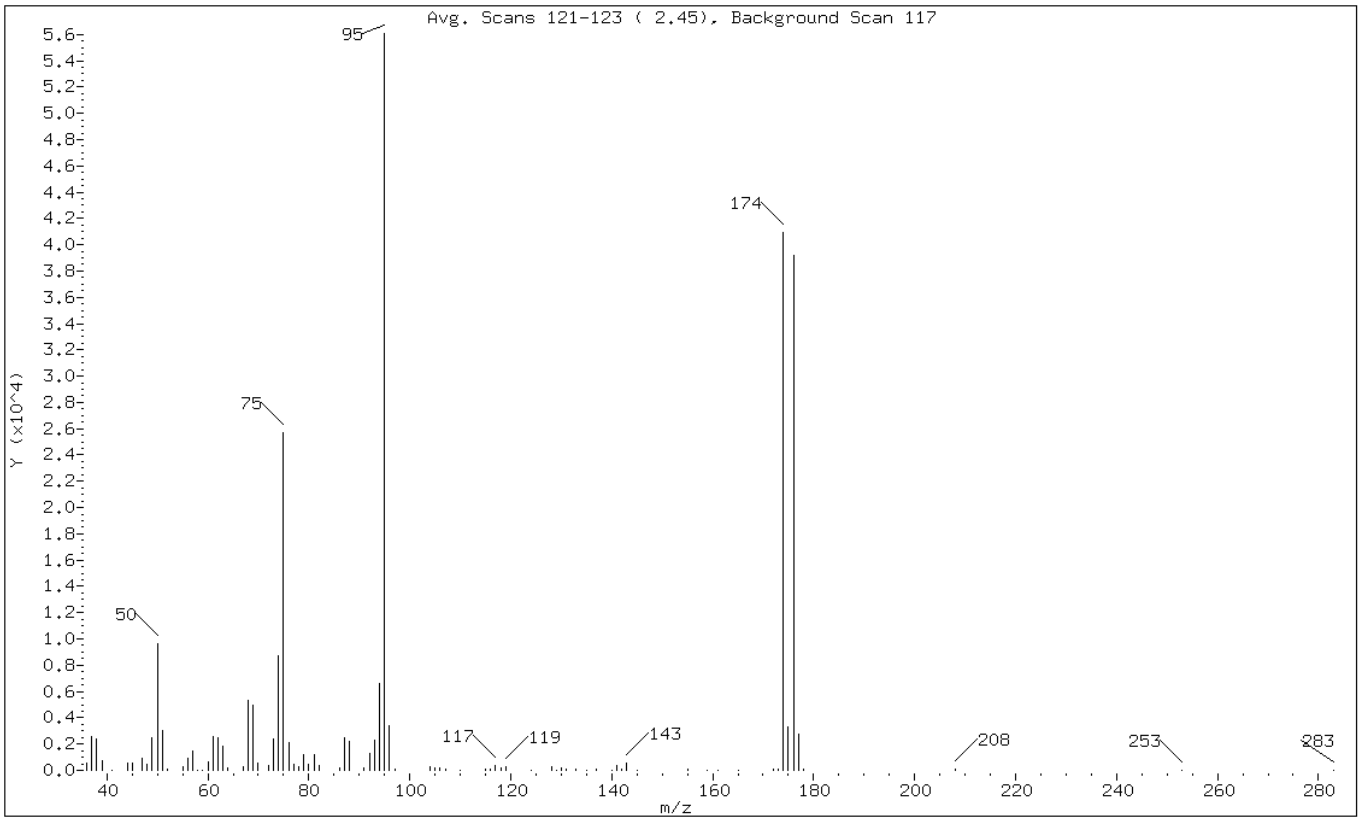
Data File: p31231.d

Date: 23-SEP-2009 07:47

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 17.23 |
| 75 | 30.00 - 60.00% of mass 95 | 45.78 |
| 96 | 5.00 - 9.00% of mass 95 | 5.99 |
| 173 | Less than 2.00% of mass 174 | 0.21 ( 0.28) |
| 174 | 50.00 - 100.00% of mass 95 | 73.03 |
| 175 | 5.00 - 9.00% of mass 174 | 5.92 ( 8.11) |
| 176 | 95.00 - 101.00% of mass 174 | 69.83 ( 95.62) |
| 177 | 5.00 - 9.00% of mass 176 | 4.84 ( 6.94) |

Data File: p31231.d

Date: 23-SEP-2009 07:47

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31231.d
Spectrum: Avg. Scans 121-123 ( 2.45), Background Scan 117
Location of Maximum: 95.00
Number of points: 85

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 596 | 64.00 | 166 | 94.00 | 6600 | 140.00 | 42 |
| 37.00 | 2598 | 67.00 | 238 | 95.00 | 56072 | 141.00 | 363 |
| 38.00 | 2375 | 68.00 | 5310 | 96.00 | 3359 | 142.00 | 104 |
| 39.00 | 736 | 69.00 | 4994 | 97.00 | 130 | 143.00 | 512 |
| 41.00 | 38 | 70.00 | 514 | 104.00 | 260 | 145.00 | 37 |
| 44.00 | 541 | 72.00 | 351 | 105.00 | 151 | 155.00 | 89 |
| 45.00 | 505 | 73.00 | 2372 | 106.00 | 212 | 159.00 | 41 |
| 47.00 | 909 | 74.00 | 8683 | 107.00 | 92 | 161.00 | 36 |
| 48.00 | 416 | 75.00 | 25672 | 110.00 | 37 | 165.00 | 33 |
| 49.00 | 2438 | 76.00 | 2091 | 115.00 | 49 | 172.00 | 75 |
| 50.00 | 9661 | 77.00 | 486 | 116.00 | 135 | 173.00 | 115 |
| 51.00 | 3040 | 78.00 | 311 | 117.00 | 408 | 174.00 | 40952 |
| 52.00 | 106 | 79.00 | 1222 | 118.00 | 157 | 175.00 | 3321 |
| 55.00 | 292 | 80.00 | 442 | 119.00 | 244 | 176.00 | 39152 |
| 56.00 | 895 | 81.00 | 1173 | 124.00 | 41 | 177.00 | 2716 |
| 57.00 | 1454 | 82.00 | 339 | 128.00 | 244 | 178.00 | 103 |
| 58.00 | 33 | 86.00 | 150 | 129.00 | 43 | 208.00 | 53 |
| 59.00 | 38 | 87.00 | 2494 | 130.00 | 164 | 253.00 | 43 |
| 60.00 | 660 | 88.00 | 2243 | 131.00 | 52 | 283.00 | 41 |
| 61.00 | 2598 | 91.00 | 159 | 133.00 | 59 | | |
| 62.00 | 2468 | 92.00 | 1239 | 135.00 | 42 | | |
| 63.00 | 1822 | 93.00 | 2338 | 137.00 | 84 | | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31256.d
Report Date: 23-Sep-2009 20:01

TestAmerica

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31256.d
Lab Smp Id: BFB
Inj Date : 23-SEP-2009 19:35
Operator : VOAMS 1 Inst ID: VOAMS13.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/VOABFB.m
Meth Date : 08-Apr-2009 22:49 ken Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

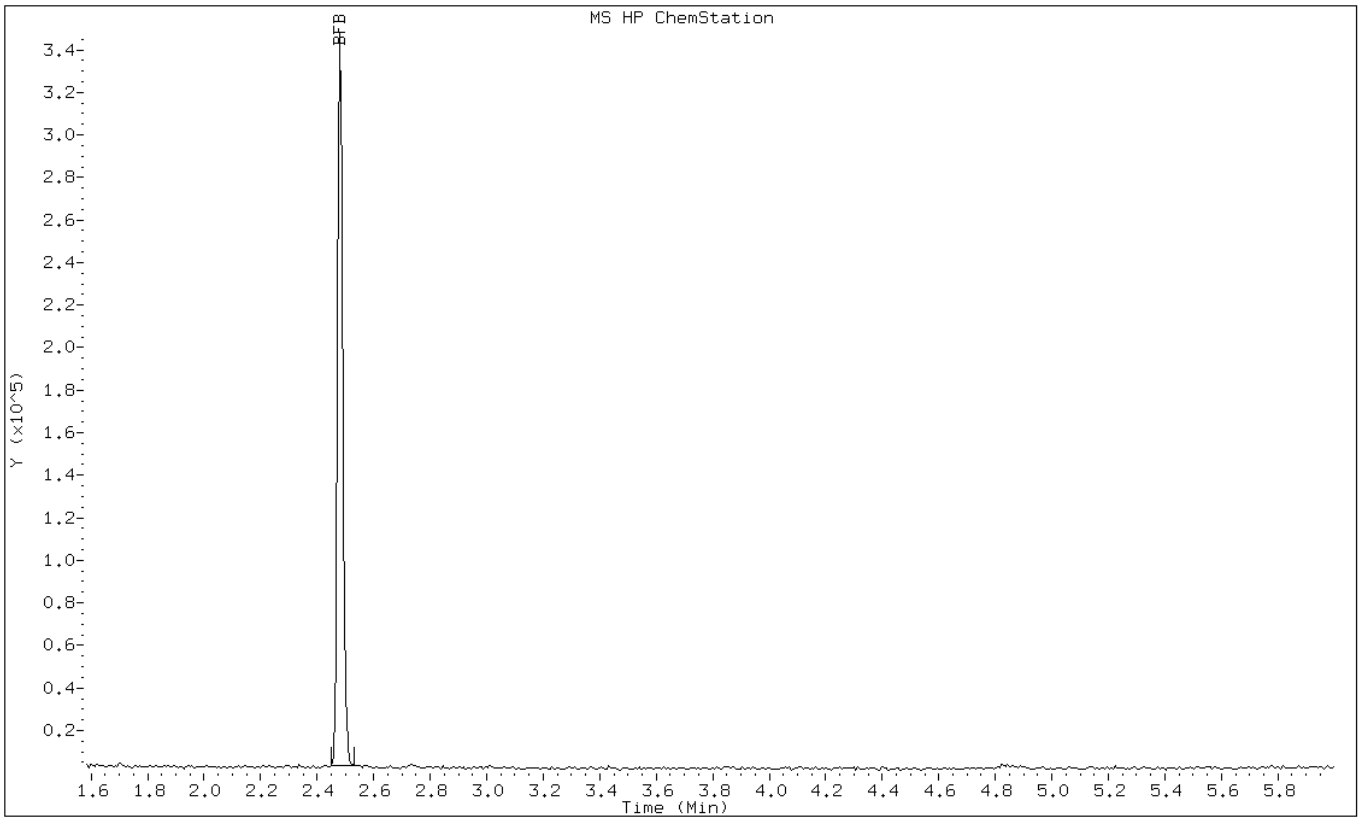
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 2.480 | 2.480 (0.000) | 95 | 59104 | | | 0.00- 100.00 | 100.00 |
| 2.480 | 2.480 (0.000) | 50 | 11007 | | | 15.00- 40.00 | 18.62 |
| 2.480 | 2.480 (0.000) | 75 | 28909 | | | 30.00- 60.00 | 48.91 |
| 2.480 | 2.480 (0.000) | 96 | 3631 | | | 5.00- 9.00 | 6.14 |
| 2.480 | 2.480 (0.000) | 173 | 0 | | | 0.00- 2.00 | 0.00 |
| 2.480 | 2.480 (0.000) | 174 | 46152 | | | 50.00- 100.00 | 78.09 |
| 2.480 | 2.480 (0.000) | 175 | 3606 | | | 5.00- 9.00 | 7.81 |
| 2.480 | 2.480 (0.000) | 176 | 43933 | | | 95.00- 101.00 | 95.19 |
| 2.480 | 2.480 (0.000) | 177 | 2993 | | | 5.00- 9.00 | 6.81 |

Data File: p31256.d

Date: 23-SEP-2009 19:35

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1



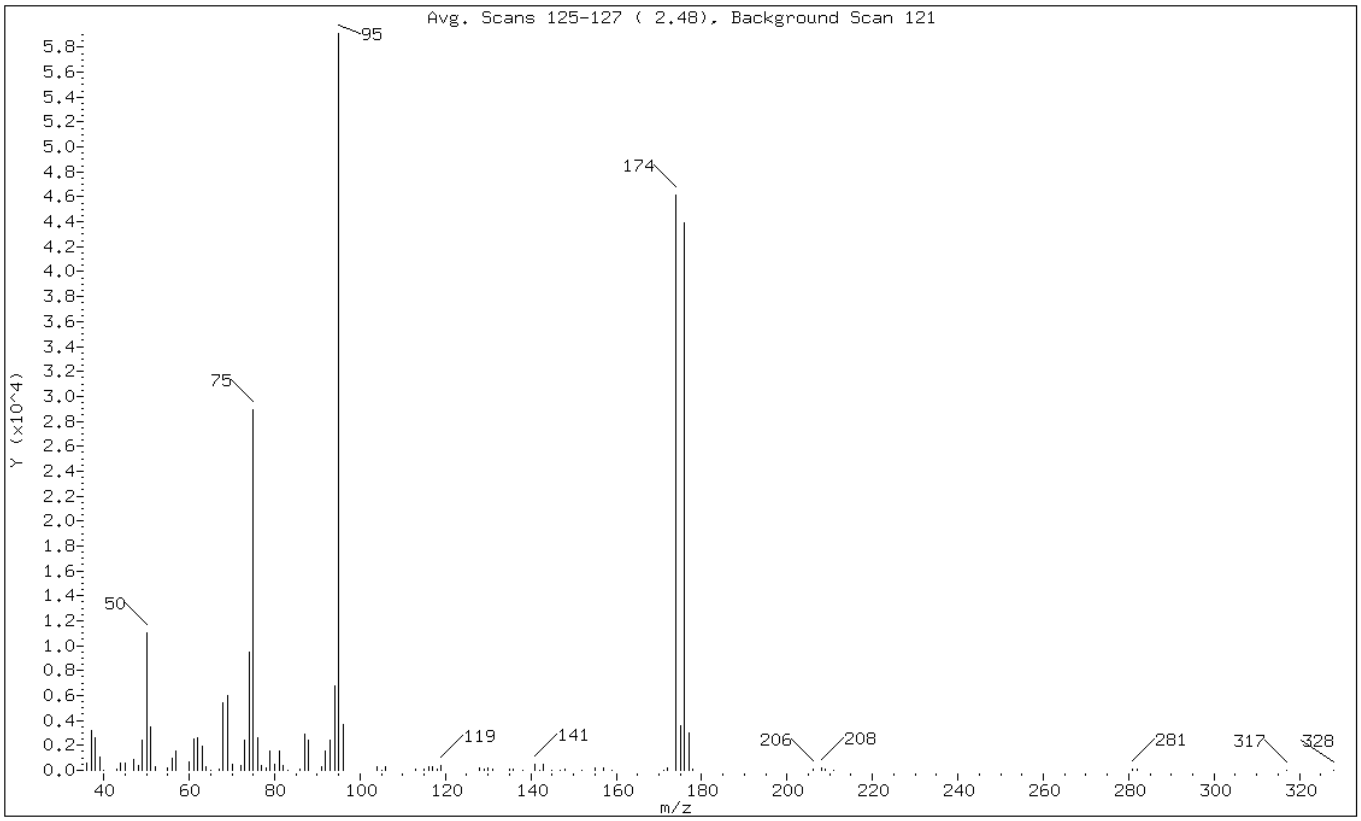
Data File: p31256.d

Date: 23-SEP-2009 19:35

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 18.62 |
| 75 | 30.00 - 60.00% of mass 95 | 48.91 |
| 96 | 5.00 - 9.00% of mass 95 | 6.14 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | 50.00 - 100.00% of mass 95 | 78.09 |
| 175 | 5.00 - 9.00% of mass 174 | 6.10 ( 7.81) |
| 176 | 95.00 - 101.00% of mass 174 | 74.33 ( 95.19) |
| 177 | 5.00 - 9.00% of mass 176 | 5.06 ( 6.81) |

Data File: p31256.d

Date: 23-SEP-2009 19:35

Client ID: Instrument: VOAMS13.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31256.d
Spectrum: Avg. Scans 125-127 ( 2.48), Background Scan 121
Location of Maximum: 95.00
Number of points: 89

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 581 | 67.00 | 134 | 95.00 | 59104 | 148.00 | 114 |
| 37.00 | 3163 | 68.00 | 5424 | 96.00 | 3631 | 152.00 | 41 |
| 38.00 | 2596 | 69.00 | 6013 | 104.00 | 292 | 155.00 | 161 |
| 39.00 | 1040 | 70.00 | 486 | 105.00 | 42 | 157.00 | 150 |
| 40.00 | 14 | 72.00 | 418 | 106.00 | 262 | 159.00 | 37 |
| 43.00 | 73 | 73.00 | 2433 | 113.00 | 113 | 171.00 | 36 |
| 44.00 | 609 | 74.00 | 9477 | 115.00 | 86 | 172.00 | 183 |
| 45.00 | 555 | 75.00 | 28904 | 116.00 | 264 | 174.00 | 46152 |
| 47.00 | 847 | 76.00 | 2593 | 117.00 | 316 | 175.00 | 3606 |
| 48.00 | 421 | 77.00 | 369 | 118.00 | 93 | 176.00 | 43928 |
| 49.00 | 2433 | 78.00 | 220 | 119.00 | 410 | 177.00 | 2993 |
| 50.00 | 11007 | 79.00 | 1561 | 128.00 | 211 | 178.00 | 75 |
| 51.00 | 3520 | 80.00 | 437 | 129.00 | 126 | 206.00 | 53 |
| 52.00 | 251 | 81.00 | 1537 | 130.00 | 172 | 208.00 | 199 |
| 55.00 | 212 | 82.00 | 378 | 131.00 | 77 | 209.00 | 50 |
| 56.00 | 922 | 83.00 | 40 | 135.00 | 76 | 211.00 | 33 |
| 57.00 | 1567 | 86.00 | 70 | 136.00 | 51 | 281.00 | 74 |
| 60.00 | 660 | 87.00 | 2890 | 138.00 | 43 | 282.00 | 61 |
| 61.00 | 2555 | 88.00 | 2381 | 141.00 | 515 | 317.00 | 42 |
| 62.00 | 2621 | 91.00 | 315 | 142.00 | 42 | 328.00 | 35 |
| 63.00 | 1895 | 92.00 | 1542 | 143.00 | 459 | | |
| 64.00 | 302 | 93.00 | 2426 | 145.00 | 38 | | |
| 65.00 | 47 | 94.00 | 6723 | 147.00 | 45 | | |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-17559/4

Matrix: Water  Lab File ID: p31193.d

Analysis Method: 8260B  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 09/22/2009 00:40

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: DB-624 ID: 0.18(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17559  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 93 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 98 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 90 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31193.d
Report Date: 22-Sep-2009 02:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31193.d
Lab Smp Id: MB
Inj Date : 22-SEP-2009 00:40
Operator : Inst ID: VOAMS13.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 23:36 ken Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 206781 | 46.6376 | 47 |
| * 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1016043 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 654293 | 44.8491 | 45 |
| * 78 Chlorobenzene-d5 | 117 | 6.503 | 6.496 | (1.000) | 746101 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 249464 | 48.8535 | 49 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.670 | (1.000) | 384799 | 50.0000 | |

Data File: p31193.d

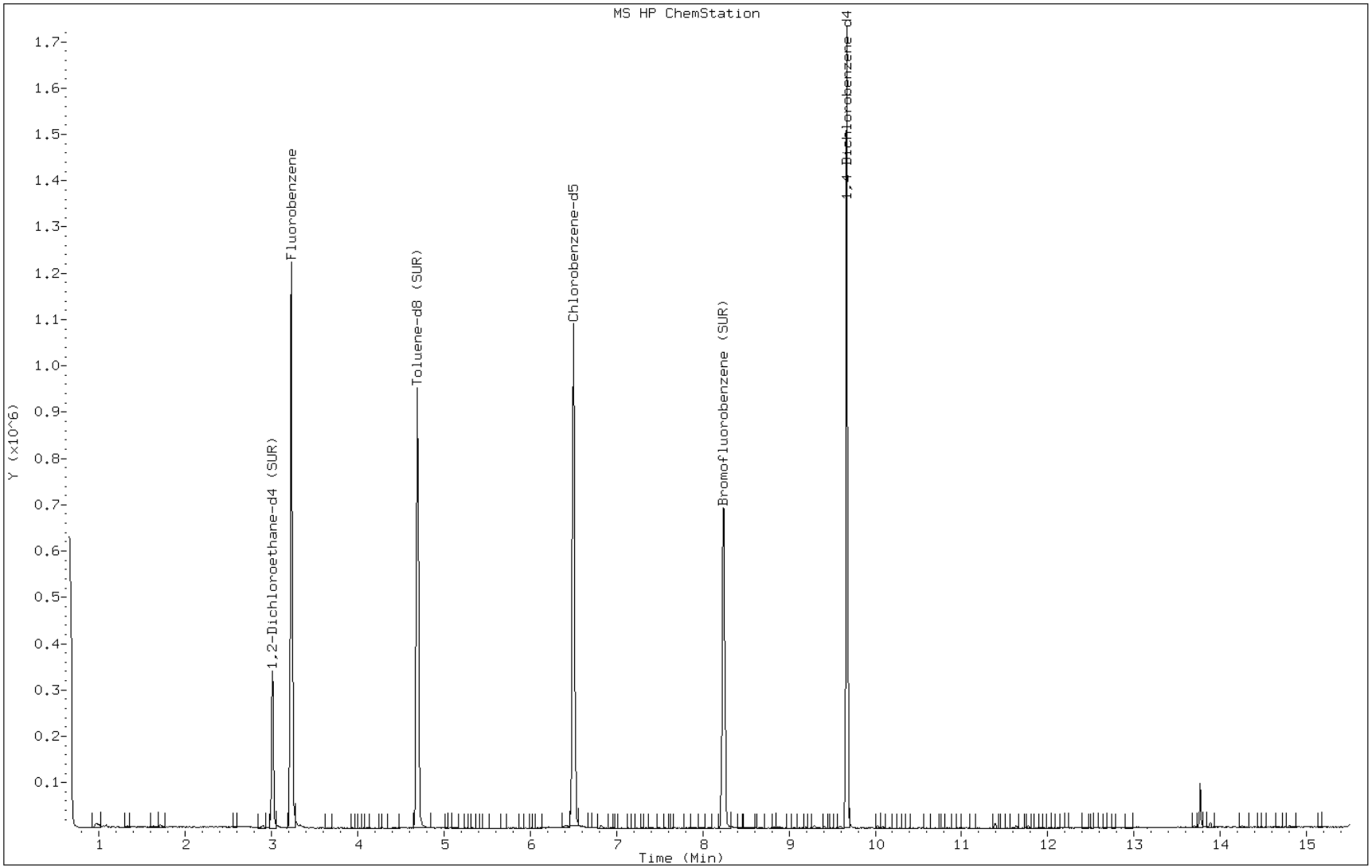
Date: 22-SEP-2009 00:40

Client ID:

Instrument: VOAMS13.i

Sample Info: MB

Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-17748/4

Matrix: Water | Lab File ID: p31236.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 10:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17748 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 93 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 98 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 92 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31236.d
Report Date: 23-Sep-2009 11:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31236.d
Lab Smp Id: MB
Inj Date : 23-SEP-2009 10:07
Operator : Inst ID: VOAMS13.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

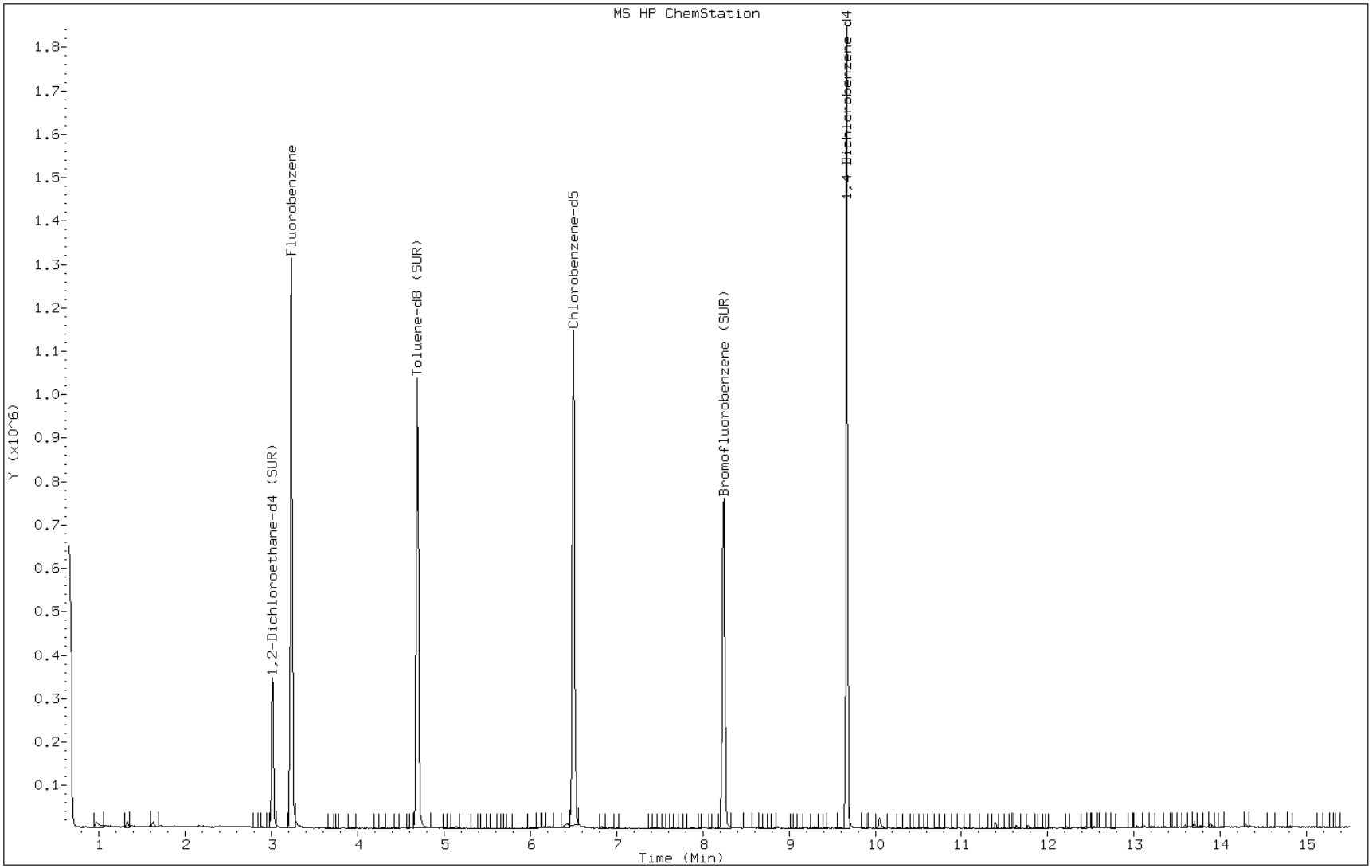
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 218832 | 46.2781 | 46 |
| * 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1083611 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 705612 | 45.8297 | 46 |
| * 78 Chlorobenzene-d5 | 117 | 6.503 | 6.503 | (1.000) | 787405 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 266944 | 48.7883 | 49 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.669 | (1.000) | 412312 | 50.0000 | |

Data File: p31236.d

Date: 23-SEP-2009 10:07

Client ID: Instrument: VOAMS13.i

Sample Info: MB Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-17822/4

Matrix: Water | Lab File ID: p31261.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 21:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17822 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 95 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 100 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 94 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31261.d
Report Date: 24-Sep-2009 09:27

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31261.d
Lab Smp Id: MB
Inj Date : 23-SEP-2009 21:37
Operator : Inst ID: VOAMS13.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 22:15 ken Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

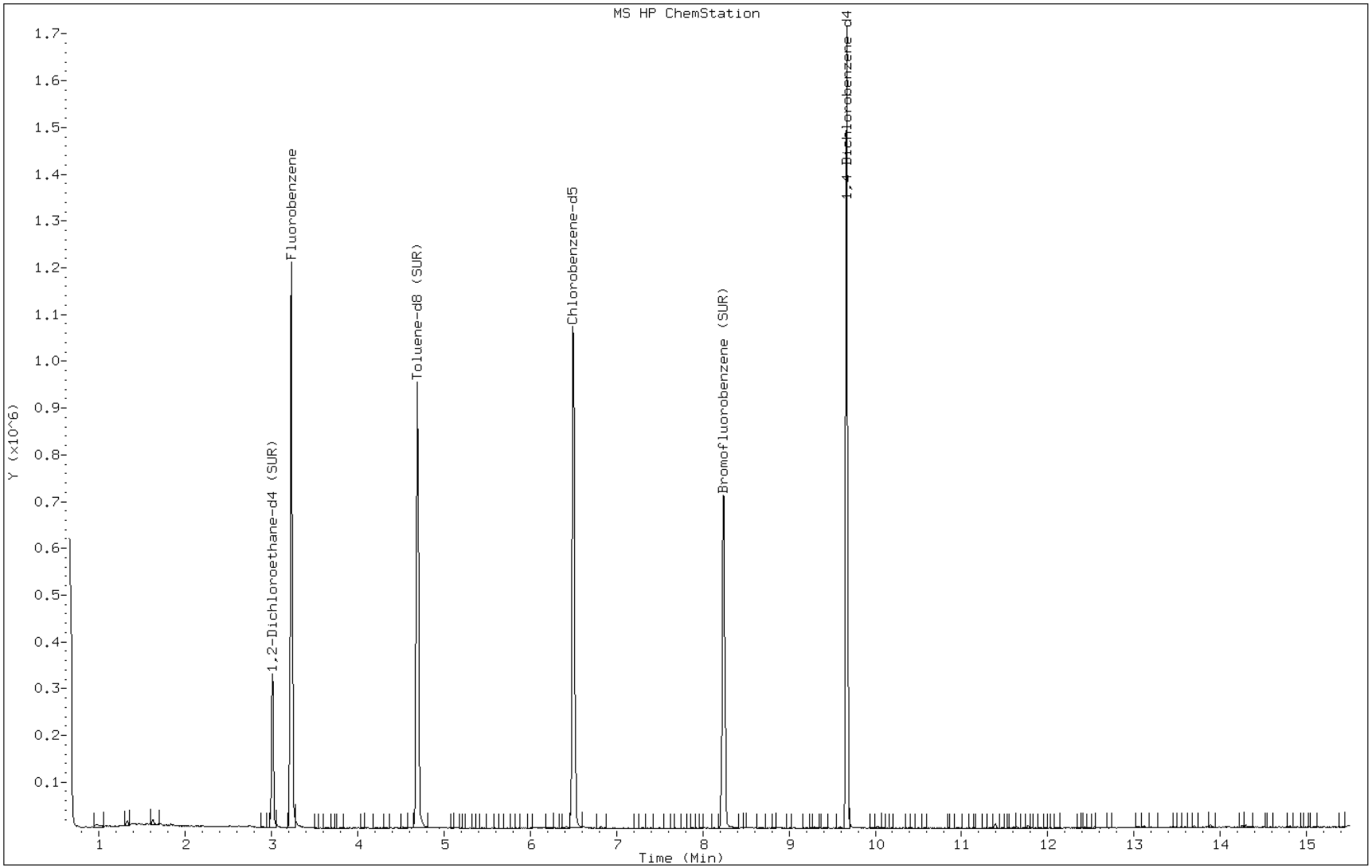
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 205490 | 47.4605 | 47 |
| * 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 992193 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 664071 | 46.8300 | 47 |
| * 78 Chlorobenzene-d5 | 117 | 6.496 | 6.496 | (1.000) | 725219 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 252492 | 50.1033 | 50 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.670 | (1.000) | 379754 | 50.0000 | |

Data File: p31261.d

Date: 23-SEP-2009 21:37

Client ID: Instrument: VOAMS13.i

Sample Info: MB Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-17559/3

Matrix: Water | Lab File ID: p31190.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/21/2009 23:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17559 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 18.6 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 19.3 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 17.4 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 17.8 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 17.4 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 16.9 | | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 91 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 99 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 94 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31190.d
Report Date: 21-Sep-2009 23:36

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31190.d
Lab Smp Id: LCS
Inj Date : 21-SEP-2009 23:04
Operator : Inst ID: VOAMS13.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 23:36 ken Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.730 | 0.730 | (0.226) | 68735 | 19.3811 | 19 |
| 3 Chloromethane | 50 | 0.830 | 0.830 | (0.257) | 87237 | 19.9208 | 20 |
| 4 Vinyl Chloride | 62 | 0.844 | 0.845 | (0.261) | 94773 | 21.0563 | 21 |
| 6 Bromomethane | 94 | 0.973 | 0.974 | (0.301) | 67713 | 22.2332 | 22 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 59208 | 20.0228 | 20 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 128853 | 20.0049 | 20 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 133132 | 17.1124 | 17 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 10630 | 34.9350 | 35 |
| 15 1,1-Dichloroethene | 96 | 1.310 | 1.303 | (0.406) | 67260 | 17.7120 | 18 |
| 14 Freon TF | 101 | 1.324 | 1.325 | (0.410) | 84085 | 18.2298 | 18 |
| 16 Acetone | 58 | 1.625 | 1.626 | (0.503) | 7123 | 19.3090 | 19 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.318 | (0.408) | 279449 | 17.9472 | 18 |
| 19 Isopropanol | 45 | 1.575 | 1.575 | (0.488) | 839123 | 2971.33 | 3000 |
| 21 Acetonitrile | 39 | 1.869 | 1.869 | (0.579) | 35166 | 339.576 | 340 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 26040 | 18.8608 | 19 |
| 22 Methylene Chloride | 84 | 1.597 | 1.590 | (0.494) | 90819 | 18.5753 | 18 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31190.d
Report Date: 21-Sep-2009 23:36

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.804 | 1.805 | (0.559) | 161798 | 349.669 | 350 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.669 | (0.517) | 86444 | 17.7963 | 18 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 30198 | 19.2005 | 19 |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 264534 | 17.9645 | 18 |
| | 29 Hexane | 56 | 1.711 | 1.711 | (0.530) | 73908 | 18.3803 | 18 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 159939 | 18.5247 | 18 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 294007 | 17.7407 | 18 |
| | 34 n-Propanol | 60 | 2.220 | 2.220 | (0.687) | 49066 | 2875.33 | 2900 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 292001 | 18.1951 | 18 |
| | 37 2,2-Dichloropropane | 77 | 2.399 | 2.392 | (0.743) | 130321 | 19.5071 | 20 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.328 | (0.721) | 97387 | 18.6491 | 19 |
| | 38 2-Butanone | 72 | 2.743 | 2.736 | (0.849) | 13517 | 18.6016 | 19 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 18795 | 42.5587 | 42 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 46740 | 20.5663 | 20 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 35387 | 21.2658 | 21 |
| | 42 Chloroform | 83 | 2.513 | 2.514 | (0.778) | 154687 | 20.7271 | 21 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.636 | (0.816) | 129745 | 20.2577 | 20 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 153979 | 19.7539 | 20 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 110248 | 20.1131 | 20 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 118123 | 19.3000 | 19 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 205980 | 45.3877 | 45 |
| | 48 Benzene | 78 | 2.900 | 2.901 | (0.446) | 341752 | 17.8456 | 18 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 111877 | 19.0798 | 19 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 50692 | 18.4952 | 18 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 234171 | 18.5365 | 18 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.309 | (1.027) | 265483 | 36.2432 | 36 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1039979 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 83107 | 17.4064 | 17 |
| | 53 n-Butanol | 56 | 3.753 | 3.753 | (1.162) | 128111 | 1672.89 | 1700 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 136207 | 16.7383 | 17 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 92006 | 18.1085 | 18 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 87060 | 19.0042 | 19 |
| | 58 Dibromomethane | 93 | 3.717 | 3.710 | (1.151) | 46875 | 18.5373 | 18 |
| | 60 1,4-Dioxane | 88 | 4.097 | 4.104 | (1.268) | 147894 | 2994.32 | 3000 |
| | 59 Methyl Methacrylate | 100 | 4.089 | 4.082 | (1.266) | 22182 | 18.0192 | 18 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 201104 | 37.0330 | 37 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 110331 | 18.6877 | 19 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.483 | 4.484 | (1.388) | 53522 | 18.5709 | 18 |
| | 63 Epichlorohydrin | 57 | 4.784 | 4.784 | (0.736) | 152250 | 327.559 | 330 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 138649 | 18.3287 | 18 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.804) | 66455 | 19.3764 | 19 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 692754 | 46.7815 | 47 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.730) | 369116 | 17.3610 | 17 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.235 | 5.236 | (0.806) | 125691 | 17.9501 | 18 |
| | 69 1,1,2-Trichloroethane | 83 | 5.407 | 5.408 | (0.832) | 59082 | 18.1351 | 18 |
| | 71 Tetrachloroethene | 166 | 5.142 | 5.143 | (0.792) | 81442 | 16.8778 | 17 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.879) | 125967 | 18.1188 | 18 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31190.d
Report Date: 21-Sep-2009 23:36

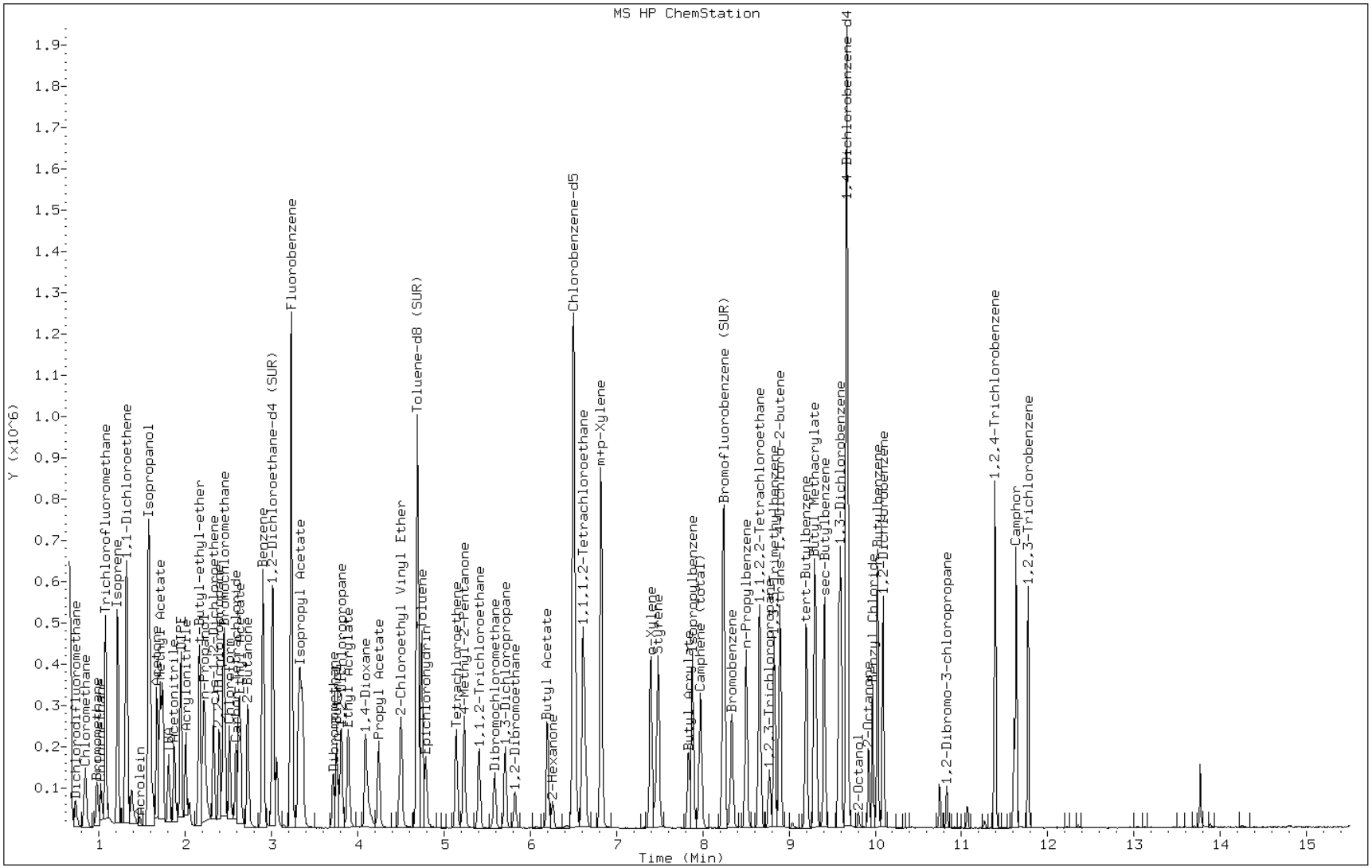
| | | | QUANT SIG | | | | | CONCENTRATIONS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN ( ug/L) | FINAL ( ug/L) |
| | 73 | 2-Hexanone | 43 | 6.260 | 6.260 | (0.964) | 53931 | 19.7906 | 20 |
| | 74 | Dibromochloromethane | 129 | 5.586 | 5.587 | (0.860) | 77012 | 17.8397 | 18 |
| | 76 | Butyl Acetate | 73 | 6.195 | 6.196 | (0.954) | 39069 | 35.2778 | 35 |
| | 77 | 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.896) | 69862 | 18.2177 | 18 |
| * | 78 | Chlorobenzene-d5 | 117 | 6.496 | 6.496 | (1.000) | 757328 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 6.518 | 6.518 | (1.003) | 234035 | 17.9249 | 18 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.633 | (1.021) | 79063 | 18.2925 | 18 |
| | 81 | Ethylbenzene | 106 | 6.611 | 6.611 | (1.018) | 116651 | 16.8821 | 17 |
| | 82 | m+p-Xylene | 106 | 6.818 | 6.819 | (1.050) | 296903 | 34.0045 | 34 |
| | 84 | o-Xylene | 106 | 7.399 | 7.399 | (1.139) | 140828 | 17.2411 | 17 |
| | 85 | Styrene | 104 | 7.485 | 7.485 | (1.152) | 248368 | 17.3285 | 17 |
| | 83 | Butyl Acrylate | 73 | 7.836 | 7.836 | (1.206) | 55211 | 16.6196 | 17 |
| | 86 | Bromoform | 173 | 7.449 | 7.449 | (1.147) | 47469 | 17.6774 | 18 |
| | 88 | Isopropylbenzene | 105 | 7.879 | 7.879 | (1.213) | 354418 | 16.9996 | 17 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 264635 | 49.4728 | 49 |
| | 90 | Camphene (total) | 93 | 7.972 | 7.972 | (1.227) | 127130 | 16.4610 | 16 |
| | 91 | Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 94251 | 17.3311 | 17 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.659 | 8.660 | (0.896) | 85952 | 18.0917 | 18 |
| | 93 | 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 25915 | 19.0495 | 19 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 28329 | 17.0347 | 17 |
| | 95 | n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 444531 | 17.0777 | 17 |
| | 96 | 2-Chlorotoluene | 91 | 8.659 | 8.660 | (0.896) | 266477 | 17.4576 | 17 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.832 | (0.913) | 294784 | 16.8313 | 17 |
| | 98 | 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 289189 | 17.2778 | 17 |
| | 99 | Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 101614 | 16.9372 | 17 |
| | 100 | tert-Butylbenzene | 119 | 9.204 | 9.197 | (0.952) | 268553 | 17.1080 | 17 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 318139 | 17.4341 | 17 |
| | 102 | 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 89881 | 16.3968 | 16 |
| | 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 390358 | 16.7713 | 17 |
| | 104 | 2-Octanol | 45 | 9.805 | 9.806 | (1.014) | 20230 | 12.9107 | 13 |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 188618 | 17.3831 | 17 |
| | 107 | p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 331237 | 16.3204 | 16 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.670 | (1.000) | 403091 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 195013 | 17.2254 | 17 |
| | 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 205586 | 17.1145 | 17 |
| | 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 304227 | 16.5042 | 16 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 186818 | 17.5448 | 18 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 19188 | 18.1298 | 18 |
| | 113 | Camphor | 95 | 11.611 | 11.611 | (1.201) | 48366 | 78.1084 | 78 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 134610 | 16.6924 | 17 |
| | 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 49785 | 15.1610 | 15 |
| | 116 | Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 349081 | 17.2224 | 17 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.776 | (1.218) | 126550 | 17.4303 | 17 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 183831 | 36.4763 | 36 |
| M | 121 | Xylene (Total) | 100 | | | | 437732 | 51.2352 | 51 |

Data File: p31190.d

Date: 21-SEP-2009 23:04

Client ID: Instrument: VOAMS13.i

Sample Info: LCS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-17748/3

Matrix: Water | Lab File ID: p31234.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 09:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17748 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 19.8 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 24.9 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 18.3 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 19.1 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 18.3 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 18.4 | | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 100 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 94 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31234.d
Report Date: 23-Sep-2009 10:03

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31234.d
Lab Smp Id: LCS
Inj Date : 23-SEP-2009 09:16
Operator : Inst ID: VOAMS13.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.730 | 0.730 | (0.226) | 77161 | 20.2880 | 20 |
| 3 Chloromethane | 50 | 0.830 | 0.830 | (0.257) | 97874 | 20.8406 | 21 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.261) | 109647 | 22.7159 | 23 |
| 6 Bromomethane | 94 | 0.981 | 0.974 | (0.304) | 47086 | 14.4165 | 14 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 66615 | 21.0066 | 21 |
| 7 Trichlorofluoromethane | 101 | 1.081 | 1.074 | (0.335) | 137941 | 19.9699 | 20 |
| 10 Isoprene | 67 | 1.217 | 1.210 | (0.377) | 131645 | 15.7788 | 16 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 7440 | 22.7991 | 23 |
| 15 1,1-Dichloroethene | 96 | 1.310 | 1.303 | (0.406) | 78111 | 19.1804 | 19 |
| 14 Freon TF | 101 | 1.332 | 1.325 | (0.412) | 79299 | 16.0315 | 16 |
| 16 Acetone | 58 | 1.625 | 1.625 | (0.503) | 9836 | 24.8629 | 25 |
| 18 Carbon Disulfide | 76 | 1.325 | 1.317 | (0.410) | 290438 | 17.3935 | 17 |
| 19 Isopropanol | 45 | 1.568 | 1.575 | (0.485) | 936578 | 3092.48 | 3100 |
| 21 Acetonitrile | 39 | 1.869 | 1.869 | (0.579) | 40689 | 366.371 | 370 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 31523 | 21.2898 | 21 |
| 22 Methylene Chloride | 84 | 1.597 | 1.590 | (0.494) | 103560 | 19.7510 | 20 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31234.d
Report Date: 23-Sep-2009 10:03

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.797 | 1.812 | (0.556) | 187912 | 378.684 | 380 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 94264 | 18.0958 | 18 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 40418 | 23.9632 | 24 |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 294528 | 18.6507 | 19 |
| | 29 Hexane | 56 | 1.711 | 1.704 | (0.530) | 77293 | 17.9241 | 18 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 181336 | 19.5848 | 20 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 331490 | 18.6518 | 19 |
| | 34 n-Propanol | 60 | 2.213 | 2.227 | (0.685) | 57400 | 3136.61 | 3100 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 332477 | 19.3184 | 19 |
| | 37 2,2-Dichloropropane | 77 | 2.399 | 2.392 | (0.743) | 151983 | 21.2135 | 21 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 105548 | 18.8473 | 19 |
| | 38 2-Butanone | 72 | 2.736 | 2.743 | (0.847) | 17199 | 22.0696 | 22 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 21516 | 45.4304 | 45 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 52700 | 21.6232 | 22 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 40283 | 22.5736 | 22(R) |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 174522 | 21.8058 | 22 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.635 | (0.816) | 144404 | 21.0241 | 21 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 166744 | 19.9471 | 20 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 120460 | 20.4922 | 20 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 131936 | 20.1013 | 20 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 228503 | 46.9510 | 47 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 387286 | 19.0504 | 19 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 128173 | 20.3829 | 20 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 54678 | 18.6023 | 19 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 271997 | 20.0770 | 20 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.316 | (1.027) | 316456 | 40.2849 | 40 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1115286 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 93627 | 18.2858 | 18 |
| | 53 n-Butanol | 56 | 3.753 | 3.760 | (1.162) | 147121 | 1770.23 | 1800 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 142960 | 16.3821 | 16 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 113312 | 20.7959 | 21 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 100501 | 20.4567 | 20 |
| | 58 Dibromomethane | 93 | 3.710 | 3.710 | (1.149) | 53778 | 19.8309 | 20 |
| | 60 1,4-Dioxane | 88 | 4.097 | 4.104 | (1.268) | 177806 | 3356.85 | 3400 |
| | 59 Methyl Methacrylate | 100 | 4.082 | 4.082 | (1.264) | 25068 | 18.9888 | 19 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 231082 | 39.6800 | 40 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 124421 | 19.6512 | 20 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.483 | 4.483 | (1.388) | 55794 | 18.0520 | 18 |
| | 63 Epichlorohydrin | 57 | 4.791 | 4.784 | (0.737) | 160244 | 324.764 | 320 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 159081 | 19.8101 | 20 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.803) | 75245 | 20.6670 | 21 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 738032 | 46.9488 | 47 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.729) | 413826 | 18.3351 | 18 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.805) | 144870 | 19.4893 | 19 |
| | 69 1,1,2-Trichloroethane | 83 | 5.407 | 5.407 | (0.831) | 65777 | 19.0193 | 19 |
| | 71 Tetrachloroethene | 166 | 5.142 | 5.142 | (0.791) | 92035 | 17.9668 | 18 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.878) | 146894 | 19.9035 | 20 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31234.d
Report Date: 23-Sep-2009 10:03

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 73 2-Hexanone | 43 | 6.260 | 6.260 | (0.963) | 56254 | 19.4461 | 19 |
| | 74 Dibromochloromethane | 129 | 5.587 | 5.587 | (0.859) | 92072 | 20.0916 | 20 |
| | 76 Butyl Acetate | 73 | 6.195 | 6.203 | (0.953) | 43619 | 37.1025 | 37 |
| | 77 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.895) | 78839 | 19.3665 | 19 |
| * | 78 Chlorobenzene-d5 | 117 | 6.503 | 6.503 | (1.000) | 803951 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 6.518 | 6.518 | (1.002) | 254855 | 18.3875 | 18 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.632 | (1.020) | 89377 | 19.4796 | 19 |
| | 81 Ethylbenzene | 106 | 6.611 | 6.611 | (1.017) | 134897 | 18.3905 | 18 |
| | 82 m+p-Xylene | 106 | 6.819 | 6.819 | (1.048) | 336663 | 36.3221 | 36 |
| | 84 o-Xylene | 106 | 7.399 | 7.399 | (1.138) | 163807 | 18.8913 | 19 |
| | 85 Styrene | 104 | 7.485 | 7.485 | (1.151) | 279513 | 18.3705 | 18 |
| | 83 Butyl Acrylate | 73 | 7.836 | 7.836 | (1.205) | 66234 | 18.7813 | 19 |
| | 86 Bromoform | 173 | 7.456 | 7.449 | (1.146) | 57079 | 20.0235 | 20 |
| | 88 Isopropylbenzene | 105 | 7.879 | 7.879 | (1.211) | 422068 | 19.0704 | 19 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 283415 | 50.1704 | 50 |
| | 90 Camphene (total) | 93 | 7.972 | 7.972 | (1.226) | 143740 | 17.5324 | 18 |
| | 91 Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 109021 | 18.9825 | 19 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 8.659 | 8.659 | (0.896) | 98950 | 19.7216 | 20 |
| | 93 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 28898 | 20.1144 | 20 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 34403 | 19.5884 | 20 |
| | 95 n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 493300 | 17.9451 | 18 |
| | 96 2-Chlorotoluene | 91 | 8.659 | 8.659 | (0.896) | 299349 | 18.5698 | 18 |
| | 97 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.831 | (0.913) | 341535 | 18.4652 | 18 |
| | 98 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 328556 | 18.5876 | 18 |
| | 99 Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 118136 | 18.6456 | 19 |
| | 100 tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 302390 | 18.2407 | 18 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 355073 | 18.4249 | 18 |
| | 102 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 113090 | 19.5352 | 20 |
| | 103 sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 447198 | 18.1932 | 18 |
| | 104 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 22058 | 13.3294 | 13 |
| | 105 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 212094 | 18.5087 | 18 |
| | 107 p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 385526 | 17.9867 | 18 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.669 | (1.000) | 425694 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 214996 | 17.9822 | 18 |
| | 110 Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 214417 | 16.9019 | 17 |
| | 106 n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 343298 | 17.6349 | 18 |
| | 111 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 206088 | 18.3269 | 18 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 21374 | 19.1228 | 19 |
| | 113 Camphor | 95 | 11.611 | 11.611 | (1.201) | 57540 | 87.9891 | 88 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 148415 | 17.4272 | 17 |
| | 115 Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 55040 | 15.8714 | 16 |
| | 116 Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 392694 | 18.3454 | 18 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.775 | (1.218) | 139118 | 18.1439 | 18 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 199813 | 36.9703 | 37 |
| M | 121 Xylene (Total) | 100 | | | | 500470 | 55.1813 | 55 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31234.d
Report Date: 23-Sep-2009 10:03

QC Flag Legend

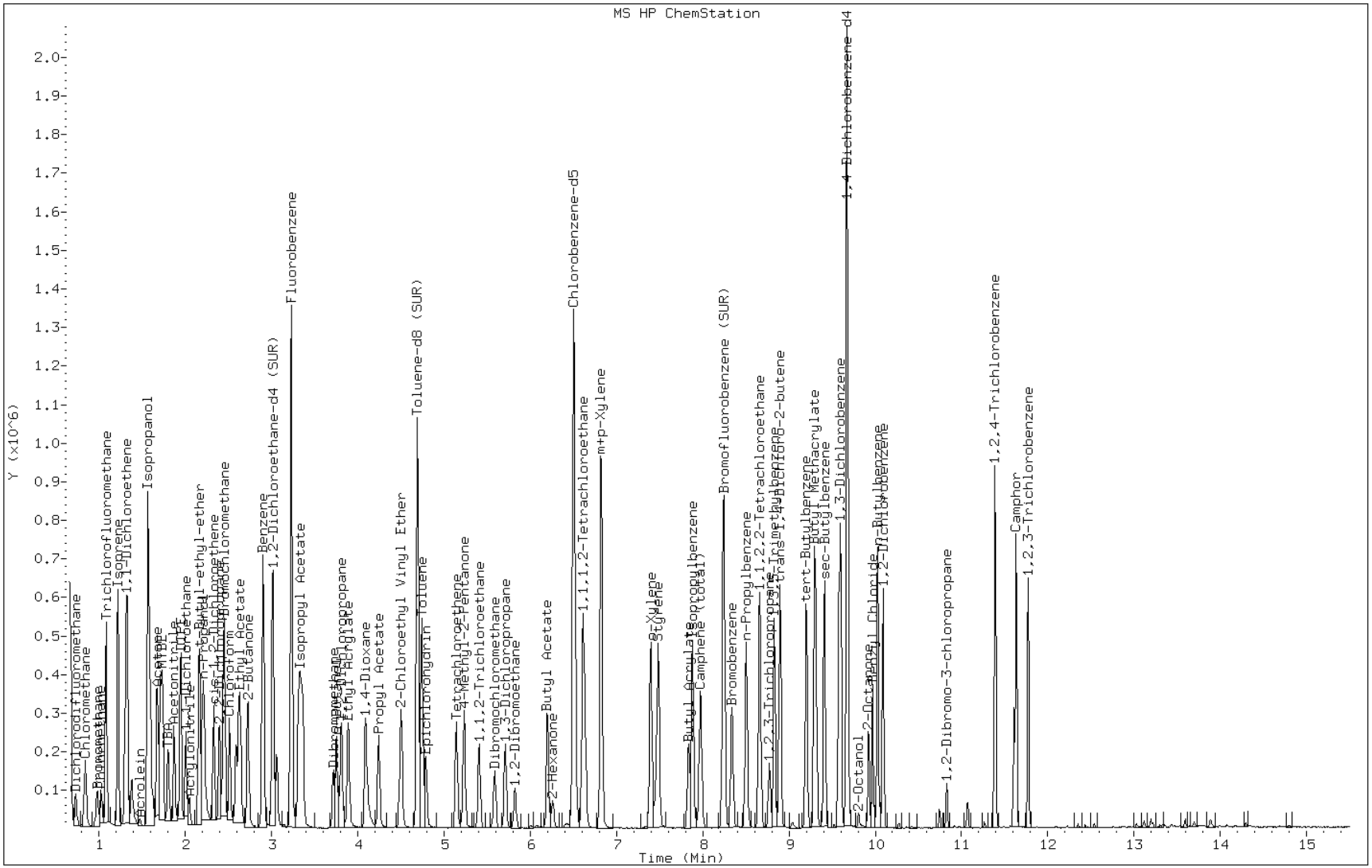
R - Spike/Surrogate failed recovery limits.

Data File: p31234.d

Date: 23-SEP-2009 09:16

Client ID: Instrument: VOAMS13.i

Sample Info: LCS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-17822/3

Matrix: Water | Lab File ID: p31259.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 20:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17822 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 20.7 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 24.3 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 19.9 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 20.1 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 20.2 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 20.7 | | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 100 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 94 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31259.d
Report Date: 23-Sep-2009 22:19

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31259.d
Lab Smp Id: LCS
Inj Date : 23-SEP-2009 20:46
Operator : Inst ID: VOAMS13.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 22:15 ken Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.730 | 0.730 | (0.226) | 76280 | 22.2940 | 22 |
| 3 Chloromethane | 50 | 0.830 | 0.830 | (0.257) | 100100 | 23.6925 | 24 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.261) | 111284 | 25.6271 | 26 |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 49792 | 16.9459 | 17 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 70277 | 24.6338 | 25 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 152934 | 24.6104 | 25 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 145455 | 19.3790 | 19 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 10657 | 36.3010 | 36 |
| 15 1,1-Dichloroethene | 96 | 1.303 | 1.303 | (0.403) | 78298 | 21.3713 | 21 |
| 14 Freon TF | 101 | 1.325 | 1.325 | (0.410) | 86651 | 19.4720 | 19 |
| 16 Acetone | 58 | 1.625 | 1.625 | (0.503) | 8648 | 24.2982 | 24 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.317 | (0.408) | 328145 | 21.8440 | 22 |
| 19 Isopropanol | 45 | 1.575 | 1.575 | (0.488) | 803331 | 2948.43 | 2900 |
| 21 Acetonitrile | 39 | 1.869 | 1.869 | (0.579) | 37689 | 377.220 | 380 |
| 27 Methyl Acetate | 74 | 1.690 | 1.683 | (0.523) | 26680 | 20.0297 | 20 |
| 22 Methylene Chloride | 84 | 1.590 | 1.590 | (0.492) | 97706 | 20.7133 | 21 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31259.d
Report Date: 23-Sep-2009 22:19

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.804 | 1.805 | (0.559) | 164787 | 369.129 | 370 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 89924 | 19.1887 | 19 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 27500 | 18.1231 | 18 |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 268972 | 18.9326 | 19 |
| | 29 Hexane | 56 | 1.704 | 1.704 | (0.528) | 84239 | 21.7142 | 22 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 169724 | 20.3757 | 20 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 306042 | 19.1411 | 19 |
| | 34 n-Propanol | 60 | 2.220 | 2.220 | (0.687) | 48876 | 2968.80 | 3000 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 304527 | 19.6684 | 20 |
| | 37 2,2-Dichloropropane | 77 | 2.392 | 2.392 | (0.741) | 147826 | 22.9352 | 23 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 105199 | 20.8806 | 21 |
| | 38 2-Butanone | 72 | 2.736 | 2.736 | (0.847) | 15520 | 22.1374 | 22 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 18879 | 44.3101 | 44 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 48150 | 21.9604 | 22 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 35482 | 22.1011 | 22 |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 172103 | 23.9024 | 24 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.635 | (0.816) | 146508 | 23.7102 | 24 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 175697 | 23.3630 | 23 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 126793 | 23.9758 | 24 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 139401 | 23.6079 | 24 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 205994 | 47.0480 | 47 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 376705 | 20.1491 | 20 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 120022 | 21.2161 | 21 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 60272 | 22.7932 | 23 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 246037 | 20.1868 | 20 |
| | 61 Isopropyl Acetate | 43 | 3.309 | 3.309 | (1.024) | 283720 | 40.1470 | 40 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1003351 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 91841 | 19.9380 | 20 |
| | 53 n-Butanol | 56 | 3.760 | 3.760 | (1.164) | 94288 | 1326.66 | 1300 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 154804 | 19.7183 | 20 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 97460 | 19.8822 | 20 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 93045 | 21.0519 | 21 |
| | 58 Dibromomethane | 93 | 3.717 | 3.710 | (1.151) | 51975 | 21.3044 | 21 |
| | 60 1,4-Dioxane | 88 | 4.104 | 4.097 | (1.271) | 151641 | 3182.27 | 3200 |
| | 59 Methyl Methacrylate | 100 | 4.082 | 4.082 | (1.264) | 22481 | 18.9292 | 19 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 208457 | 39.7883 | 40 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 118213 | 20.7537 | 21 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.483 | 4.483 | (1.388) | 53382 | 19.1984 | 19 |
| | 63 Epichlorohydrin | 57 | 4.784 | 4.784 | (0.736) | 148323 | 326.870 | 330 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 153638 | 20.8040 | 21 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.228 | 5.221 | (0.805) | 67826 | 20.2570 | 20 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 678331 | 46.9216 | 47 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.730) | 419055 | 20.1891 | 20 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.806) | 137562 | 20.1231 | 20 |
| | 69 1,1,2-Trichloroethane | 83 | 5.407 | 5.408 | (0.832) | 63802 | 20.0600 | 20 |
| | 71 Tetrachloroethene | 166 | 5.142 | 5.142 | (0.792) | 97274 | 20.6489 | 21 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.879) | 137366 | 20.2388 | 20 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31259.d
Report Date: 23-Sep-2009 22:19

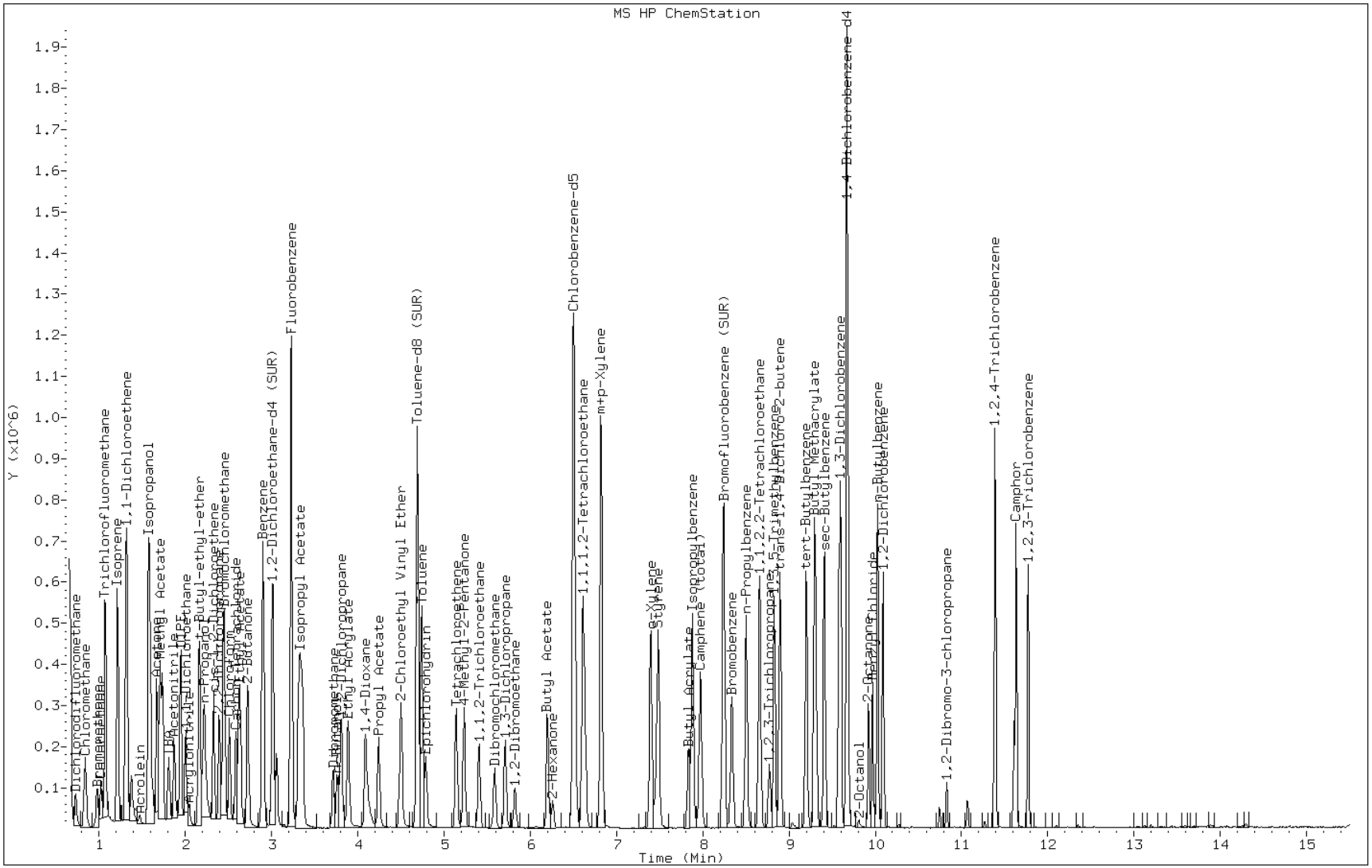
| | | | QUANT SIG | | | | | CONCENTRATIONS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN ( ug/L) | FINAL ( ug/L) |
| | 73 | 2-Hexanone | 43 | 6.260 | 6.260 | (0.964) | 52504 | 19.7357 | 20 |
| | 74 | Dibromochloromethane | 129 | 5.587 | 5.587 | (0.860) | 87610 | 20.7883 | 21 |
| | 76 | Butyl Acetate | 73 | 6.195 | 6.195 | (0.954) | 39960 | 36.9600 | 37 |
| | 77 | 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.896) | 75707 | 20.2221 | 20 |
| * | 78 | Chlorobenzene-d5 | 117 | 6.496 | 6.496 | (1.000) | 739347 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 6.518 | 6.518 | (1.003) | 257505 | 20.2021 | 20 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.632 | (1.021) | 86235 | 20.4373 | 20 |
| | 81 | Ethylbenzene | 106 | 6.611 | 6.611 | (1.018) | 139497 | 20.6795 | 21 |
| | 82 | m+p-Xylene | 106 | 6.819 | 6.819 | (1.050) | 342211 | 40.1468 | 40 |
| | 84 | o-Xylene | 106 | 7.399 | 7.399 | (1.139) | 168332 | 21.1095 | 21 |
| | 85 | Styrene | 104 | 7.485 | 7.485 | (1.152) | 284894 | 20.3603 | 20 |
| | 83 | Butyl Acrylate | 73 | 7.836 | 7.836 | (1.206) | 57777 | 17.8148 | 18 |
| | 86 | Bromoform | 173 | 7.449 | 7.449 | (1.147) | 53815 | 20.5282 | 20 |
| | 88 | Isopropylbenzene | 105 | 7.879 | 7.879 | (1.213) | 449536 | 22.0863 | 22 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 262545 | 50.1204 | 50 |
| | 90 | Camphene (total) | 93 | 7.972 | 7.972 | (1.227) | 150249 | 19.9276 | 20 |
| | 91 | Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 108892 | 20.4468 | 20 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.659 | 8.660 | (0.896) | 94416 | 20.2936 | 20 |
| | 93 | 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 26938 | 20.2202 | 20 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 29695 | 18.2338 | 18 |
| | 95 | n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 523908 | 20.5530 | 20 |
| | 96 | 2-Chlorotoluene | 91 | 8.659 | 8.660 | (0.896) | 307035 | 20.5401 | 20 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.831 | (0.913) | 357284 | 20.8314 | 21 |
| | 98 | 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 332716 | 20.2989 | 20 |
| | 99 | Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 110977 | 18.8891 | 19 |
| | 100 | tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 324397 | 21.1027 | 21 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 371267 | 20.7759 | 21 |
| | 102 | 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 132667 | 24.7141 | 25 |
| | 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 481041 | 21.1046 | 21 |
| | 104 | 2-Octanol | 45 | 9.813 | 9.806 | (1.015) | 12169 | 7.93068 | 7.9 |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 215256 | 20.2577 | 20 |
| | 107 | p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 411382 | 20.6980 | 21 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.670 | (1.000) | 394740 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 220007 | 19.8442 | 20 |
| | 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 206870 | 17.5856 | 18 |
| | 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 376539 | 20.8592 | 21 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 207219 | 19.8725 | 20 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 20645 | 19.9196 | 20 |
| | 113 | Camphor | 95 | 11.611 | 11.611 | (1.201) | 49368 | 81.4131 | 81 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 151266 | 19.1547 | 19 |
| | 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 60996 | 18.9680 | 19 |
| | 116 | Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 378947 | 19.0913 | 19 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.775 | (1.218) | 137937 | 19.4006 | 19 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 195124 | 40.1305 | 40 |
| M | 121 | Xylene (Total) | 100 | | | | 510544 | 61.2108 | 61 |

Data File: p31259.d

Date: 23-SEP-2009 20:46

Client ID: Instrument: VOAMS13.i

Sample Info: LCS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-8SR MS | Lab Sample ID: 460-5774-2 MS

Matrix: Water | Lab File ID: p31199.d

Analysis Method: 8260B | Date Collected: 09/16/2009 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 08:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17559 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 16.4 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 29.4 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 15.2 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 23.0 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 21.1 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 55.5 | | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 85 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 92 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 86 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31199.d
Report Date: 22-Sep-2009 09:39

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31199.d
Lab Smp Id: 460-5774-C-2 MS  Client Smp ID: MW-8SR
Inj Date  : 22-SEP-2009 08:00
Operator  :  Inst ID: VOAMS13.i
Smp Info  : 460-5774-C-2 MS
Misc Info : 460-5774-C-2 MS
Comment   :
Method    : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 23:36 ken  Quant Type: ISTD
Cal Date  : 17-SEP-2009 12:26  Cal File: p31045.d
Als bottle: 12  QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.723 | 0.730 | (0.224) | 62351 | 17.7536 | 18 |
| 3 Chloromethane | 50 | 0.830 | 0.830 | (0.257) | 90419 | 20.8498 | 21 |
| 4 Vinyl Chloride | 62 | 0.838 | 0.845 | (0.259) | 95910 | 21.5175 | 22 |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 53568 | 17.7612 | 18 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 59584 | 20.3475 | 20 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 127354 | 19.9660 | 20 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 98119 | 12.7356 | 13(R) |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 10510 | 34.8793 | 35 |
| 15 1,1-Dichloroethene | 96 | 1.303 | 1.303 | (0.403) | 55821 | 14.8438 | 15 |
| 14 Freon TF | 101 | 1.325 | 1.325 | (0.410) | 57672 | 12.6261 | 13 |
| 16 Acetone | 58 | 1.625 | 1.626 | (0.503) | 10755 | 29.4381 | 29 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.318 | (0.408) | 250185 | 16.2252 | 16 |
| 19 Isopropanol | 45 | 1.575 | 1.575 | (0.488) | 882015 | 3153.81 | 3200 |
| 21 Acetonitrile | 39 | 1.869 | 1.869 | (0.579) | 31561 | 307.745 | 310 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 20108 | 14.7067 | 15 |
| 22 Methylene Chloride | 84 | 1.590 | 1.590 | (0.492) | 79642 | 16.4488 | 16 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31199.d
Report Date: 22-Sep-2009 09:39

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.805 | 1.805 | (0.559) | 157075 | 342.788 | 340 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.669 | (0.517) | 75952 | 15.7896 | 16 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 28118 | 18.0527 | 18 |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 238386 | 16.3473 | 16 |
| | 29 Hexane | 56 | 1.704 | 1.711 | (0.528) | 46719 | 11.7325 | 12(R) |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 136254 | 15.9362 | 16 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 262490 | 15.9941 | 16 |
| | 34 n-Propanol | 60 | 2.220 | 2.220 | (0.687) | 52933 | 3132.36 | 3100 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 254434 | 16.0096 | 16 |
| | 37 2,2-Dichloropropane | 77 | 2.392 | 2.392 | (0.741) | 88077 | 13.3130 | 13(R) |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.328 | (0.721) | 84089 | 16.2605 | 16 |
| | 38 2-Butanone | 72 | 2.736 | 2.736 | (0.847) | 12387 | 17.2127 | 17 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 13977 | 31.9585 | 32 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 40996 | 18.2157 | 18 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 45949 | 27.8834 | 28(R) |
| | 42 Chloroform | 83 | 2.507 | 2.514 | (0.776) | 135710 | 18.3625 | 18 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.636 | (0.816) | 108937 | 17.1756 | 17 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 131591 | 17.0473 | 17 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 90166 | 16.6107 | 17 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 92811 | 15.3129 | 15 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 191852 | 42.6890 | 43 |
| | 48 Benzene | 78 | 2.901 | 2.901 | (0.446) | 436754 | 23.0403 | 23 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 91668 | 15.7864 | 16 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 27682 | 10.1988 | 10(R) |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 200035 | 15.9896 | 16 |
| | 61 Isopropyl Acetate | 43 | 3.309 | 3.309 | (1.024) | 219298 | 30.2315 | 30 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1029887 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 71836 | 15.1931 | 15(R) |
| | 53 n-Butanol | 56 | 3.753 | 3.753 | (1.162) | 133044 | 1740.08 | 1700 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 101689 | 12.6190 | 13 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 80879 | 16.0744 | 16 |
| | 57 1,2-Dichloropropane | 63 | 3.803 | 3.810 | (1.177) | 72902 | 16.0695 | 16 |
| | 58 Dibromomethane | 93 | 3.710 | 3.710 | (1.149) | 42165 | 16.8380 | 17(R) |
| | 60 1,4-Dioxane | 88 | 4.097 | 4.104 | (1.268) | 160036 | 3271.91 | 3300 |
| | 59 Methyl Methacrylate | 100 | 4.082 | 4.082 | (1.264) | 18283 | 14.9973 | 15 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 150883 | 28.0571 | 28 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 97046 | 16.5986 | 16 |
| | 63 Epichlorohydrin | 57 | 4.784 | 4.784 | (0.736) | 24265 | 52.7422 | 53(R) |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 115529 | 15.4291 | 15(R) |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.803) | 60479 | 17.8149 | 18 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.684 | 4.691 | (0.720) | 632735 | 43.1667 | 43 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.729) | 444907 | 21.1403 | 21 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.805) | 103477 | 14.9293 | 15(R) |
| | 69 1,1,2-Trichloroethane | 83 | 5.400 | 5.408 | (0.830) | 54114 | 16.7807 | 17 |
| | 71 Tetrachloroethene | 166 | 5.143 | 5.143 | (0.791) | 66878 | 14.0017 | 14 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.878) | 108225 | 15.7265 | 16 |
| | 73 2-Hexanone | 43 | 6.260 | 6.260 | (0.963) | 46453 | 17.2216 | 17 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31199.d
Report Date: 22-Sep-2009 09:39

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 74 Dibromochloromethane | 129 | 5.587 | 5.587 | (0.859) | 69356 | 16.2311 | 16 |
| | 76 Butyl Acetate | 73 | 6.203 | 6.196 | (0.954) | 27829 | 25.3864 | 25 |
| | 77 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.895) | 61712 | 16.2575 | 16 |
| * | 78 Chlorobenzene-d5 | 117 | 6.503 | 6.496 | (1.000) | 749638 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 6.518 | 6.518 | (1.002) | 3032128 | 234.614 | 230(R) |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.633 | (1.020) | 66616 | 15.5710 | 16(R) |
| | 81 Ethylbenzene | 106 | 6.611 | 6.611 | (1.017) | 379512 | 55.4876 | 55(R) |
| | 82 m+p-Xylene | 106 | 6.819 | 6.819 | (1.048) | 510541 | 59.0723 | 59(R) |
| | 84 o-Xylene | 106 | 7.399 | 7.399 | (1.138) | 503725 | 62.3019 | 62(R) |
| | 85 Styrene | 104 | 7.485 | 7.485 | (1.151) | 210649 | 14.8476 | 15 |
| | 83 Butyl Acrylate | 73 | 7.836 | 7.836 | (1.205) | 49352 | 15.0082 | 15 |
| | 86 Bromoform | 173 | 7.456 | 7.449 | (1.146) | 42033 | 15.8137 | 16 |
| | 88 Isopropylbenzene | 105 | 7.879 | 7.879 | (1.211) | 381291 | 18.4761 | 18 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 8.237 | 8.244 | (0.852) | 246770 | 46.2396 | 46 |
| | 90 Camphene (total) | 93 | 7.972 | 7.972 | (1.226) | 17680 | 2.31280 | 2.3(R) |
| | 91 Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 82844 | 15.2688 | 15(R) |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 8.660 | 8.660 | (0.896) | 76296 | 16.0965 | 16 |
| | 93 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 22914 | 16.8826 | 17 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 22842 | 13.7670 | 14 |
| | 95 n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 485889 | 18.7098 | 19 |
| | 96 2-Chlorotoluene | 91 | 8.660 | 8.660 | (0.896) | 243990 | 16.0213 | 16 |
| | 97 1,3,5-Trimethylbenzene | 105 | 8.824 | 8.832 | (0.913) | 354310 | 20.2768 | 20 |
| | 98 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 243943 | 14.6083 | 15(R) |
| | 99 Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 89902 | 15.0197 | 15 |
| | 100 tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 222169 | 14.1859 | 14 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 898973 | 49.3779 | 49(R) |
| | 102 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 94537 | 17.2859 | 17 |
| | 103 sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 365256 | 15.7291 | 16 |
| | 104 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 20561 | 13.1520 | 13 |
| | 105 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 161932 | 14.9582 | 15(R) |
| | 107 p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 363671 | 17.9599 | 18 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.670 | (1.000) | 402161 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 232598 | 20.5928 | 20 |
| | 110 Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 150614 | 12.5672 | 12(R) |
| | 106 n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 294881 | 16.0341 | 16 |
| | 111 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 209321 | 19.7036 | 20 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 16846 | 15.9539 | 16 |
| | 113 Camphor | 95 | 11.611 | 11.611 | (1.201) | 50671 | 82.0203 | 82 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 117406 | 14.5927 | 14 |
| | 115 Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 38613 | 11.7862 | 12 |
| | 116 Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 1470287 | 72.7062 | 73(R) |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.776 | (1.218) | 104729 | 14.4582 | 14(R) |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 160041 | 32.0671 | 32 |
| M | 121 Xylene (Total) | 100 | | | | 1014266 | 119.934 | 120(R) |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31199.d
Report Date: 22-Sep-2009 09:39

QC Flag Legend

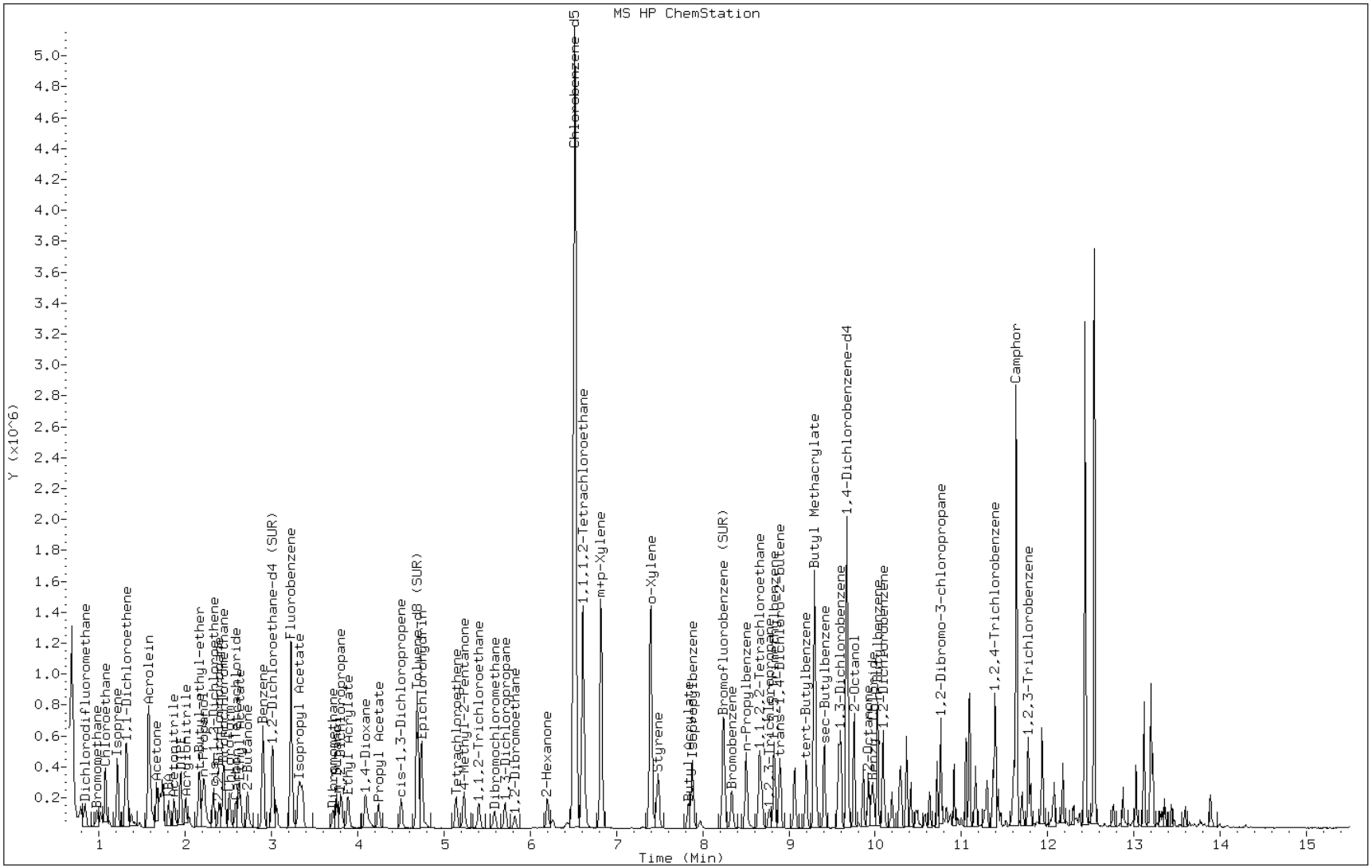
R - Spike/Surrogate failed recovery limits.

Data File: p31199.d

Date: 22-SEP-2009 08:00

Client ID: MW-8SR Instrument: VOAMS13.i

Sample Info: 460-5774-C-2 MS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-5737-B-3 MS

Matrix: Water | Lab File ID: p31240.d

Analysis Method: 8260B | Date Collected: 09/16/2009 10:05

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 11:58

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17748 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 405 | | 20 | 3.8 |
| 67-64-1 | Acetone | 536 | | 200 | 50 |
| 79-01-6 | Trichloroethene | 424 | | 20 | 3.6 |
| 71-43-2 | Benzene | 399 | | 20 | 2.6 |
| 108-88-3 | Toluene | 385 | | 20 | 1.8 |
| 100-41-4 | Ethylbenzene | 391 | | 20 | 5.0 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 99 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 93 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31240.d
Report Date: 23-Sep-2009 13:58

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31240.d
Lab Smp Id: 460-5737-B-3MS
Inj Date : 23-SEP-2009 11:58
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5737-B-3MS;20
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 9 QC Sample: MS
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 20.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.730 | 0.730 | (0.226) | 74721 | 21.2293 | 420 |
| 3 Chloromethane | 50 | 0.838 | 0.830 | (0.259) | 94052 | 21.6404 | 430 |
| 4 Vinyl Chloride | 62 | 0.838 | 0.845 | (0.259) | 102397 | 22.9231 | 460 |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 43281 | 14.3192 | 290 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 65101 | 22.1832 | 440 |
| 7 Trichlorofluoromethane | 101 | 1.081 | 1.074 | (0.335) | 142431 | 22.2812 | 440 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 137761 | 17.8422 | 360 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 7803 | 25.8403 | 520 |
| 15 1,1-Dichloroethene | 96 | 1.310 | 1.303 | (0.406) | 82317 | 21.8420 | 440 |
| 14 Freon TF | 101 | 1.332 | 1.325 | (0.412) | 86551 | 18.9073 | 380 |
| 16 Acetone | 58 | 1.626 | 1.625 | (0.503) | 9820 | 26.8212 | 540 |
| 18 Carbon Disulfide | 76 | 1.325 | 1.317 | (0.410) | 288567 | 18.6738 | 370 |
| 19 Isopropanol | 45 | 1.575 | 1.575 | (0.488) | 964860 | 3442.56 | 69000 |
| 21 Acetonitrile | 39 | 1.876 | 1.869 | (0.581) | 42971 | 418.097 | 8400 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 30997 | 22.6217 | 450 |
| 22 Methylene Chloride | 84 | 1.597 | 1.590 | (0.494) | 98317 | 20.2618 | 400 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31240.d
Report Date: 23-Sep-2009 13:58

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.805 | 1.812 | (0.559) | 201130 | 437.978 | 8800 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.669 | 1.668 | (0.517) | 93831 | 19.4641 | 390 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 34625 | 22.1827 | 440 |
| | 28 MTBE | 73 | 1.740 | 1.733 | (0.539) | 290107 | 19.8510 | 400 |
| | 29 Hexane | 56 | 1.711 | 1.704 | (0.530) | 81574 | 20.4410 | 410 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 170130 | 19.8551 | 400 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 314188 | 19.1027 | 380 |
| | 34 n-Propanol | 60 | 2.220 | 2.227 | (0.687) | 61043 | 3604.41 | 72000 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 323111 | 20.2869 | 400 |
| | 37 2,2-Dichloropropane | 77 | 2.399 | 2.392 | (0.743) | 155075 | 23.3891 | 470 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.328 | 2.327 | (0.721) | 112511 | 21.7094 | 430 |
| | 38 2-Butanone | 72 | 2.743 | 2.743 | (0.849) | 15446 | 21.4174 | 430 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 18793 | 42.8788 | 860 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 51032 | 22.6259 | 450 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 38671 | 23.4158 | 470(R) |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 153074 | 20.6670 | 410 |
| | 43 1,1,1-Trichloroethane | 97 | 2.643 | 2.635 | (0.818) | 135099 | 21.2542 | 420 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 168779 | 21.8174 | 440 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 113995 | 20.9548 | 420 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 120319 | 19.8083 | 400 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 208132 | 46.2109 | 46 |
| | 48 Benzene | 78 | 2.901 | 2.900 | (0.446) | 376775 | 19.9738 | 400 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 120595 | 20.7231 | 410 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 56515 | 20.7765 | 420 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 259458 | 20.6944 | 410 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.316 | (1.027) | 309448 | 42.5668 | 850 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1032125 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 100342 | 21.1762 | 420 |
| | 53 n-Butanol | 56 | 3.753 | 3.760 | (1.162) | 163672 | 2050.30 | 41000(R) |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 152561 | 18.8908 | 380 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 108237 | 21.4651 | 430 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 96134 | 21.1445 | 420 |
| | 58 Dibromomethane | 93 | 3.717 | 3.710 | (1.151) | 53617 | 21.3648 | 430 |
| | 60 1,4-Dioxane | 88 | 4.097 | 4.104 | (1.268) | 178628 | 3644.10 | 73000 |
| | 59 Methyl Methacrylate | 100 | 4.090 | 4.082 | (1.266) | 25054 | 20.5070 | 410 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 235287 | 43.6573 | 870 |
| | 68 Bromodichloromethane | 83 | 3.889 | 3.882 | (1.204) | 120855 | 20.6260 | 410 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.491 | 4.483 | (1.390) | 14422 | 5.04234 | 100(R) |
| | 63 Epichlorohydrin | 57 | 4.784 | 4.784 | (0.736) | 163351 | 356.792 | 7100 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 154592 | 20.7472 | 410 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.229 | 5.221 | (0.804) | 77253 | 22.8674 | 460 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 680475 | 46.6517 | 47 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.729) | 402725 | 19.2300 | 380 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.805) | 138915 | 20.1407 | 400 |
| | 69 1,1,2-Trichloroethane | 83 | 5.408 | 5.407 | (0.831) | 68376 | 21.3072 | 430 |
| | 71 Tetrachloroethene | 166 | 5.143 | 5.142 | (0.791) | 601506 | 126.550 | 2500(R) |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.878) | 138682 | 20.2512 | 400 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31240.d
Report Date: 23-Sep-2009 13:58

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 73 2-Hexanone | 43 | 6.260 | 6.260 | (0.963) | 61558 | 22.9332 | 460 |
| | 74 Dibromochloromethane | 129 | 5.587 | 5.587 | (0.859) | 89087 | 20.9511 | 420 |
| | 76 Butyl Acetate | 73 | 6.203 | 6.203 | (0.954) | 42563 | 39.0174 | 780 |
| | 77 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.895) | 79894 | 21.1508 | 420 |
| * | 78 Chlorobenzene-d5 | 117 | 6.504 | 6.503 | (1.000) | 745974 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 6.518 | 6.518 | (1.002) | 248251 | 19.3031 | 390 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.632 | (1.020) | 85037 | 19.9743 | 400 |
| | 81 Ethylbenzene | 106 | 6.611 | 6.611 | (1.017) | 133037 | 19.5467 | 390 |
| | 82 m+p-Xylene | 106 | 6.819 | 6.819 | (1.048) | 331898 | 38.5910 | 770 |
| | 84 o-Xylene | 106 | 7.399 | 7.399 | (1.138) | 158558 | 19.7072 | 390 |
| | 85 Styrene | 104 | 7.485 | 7.485 | (1.151) | 266496 | 18.8762 | 380 |
| | 83 Butyl Acrylate | 73 | 7.836 | 7.836 | (1.205) | 61600 | 18.8250 | 380 |
| | 86 Bromoform | 173 | 7.449 | 7.449 | (1.145) | 58875 | 22.2588 | 440 |
| | 88 Isopropylbenzene | 105 | 7.879 | 7.879 | (1.211) | 418620 | 20.3846 | 410 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 258899 | 49.5569 | 50 |
| | 90 Camphene (total) | 93 | 7.972 | 7.972 | (1.226) | 135693 | 17.8372 | 360 |
| | 91 Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 102480 | 19.2945 | 380 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 8.660 | 8.659 | (0.896) | 101232 | 21.8169 | 440 |
| | 93 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 30458 | 22.9240 | 460(R) |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 32575 | 20.0555 | 400 |
| | 95 n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 493649 | 19.4179 | 390 |
| | 96 2-Chlorotoluene | 91 | 8.660 | 8.659 | (0.896) | 294776 | 19.7729 | 400 |
| | 97 1,3,5-Trimethylbenzene | 105 | 8.824 | 8.831 | (0.913) | 335839 | 19.6336 | 390 |
| | 98 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 323399 | 19.7834 | 400 |
| | 99 Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 111645 | 19.0539 | 380 |
| | 100 tert-Butylbenzene | 119 | 9.204 | 9.197 | (0.952) | 304320 | 19.8497 | 400 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 340073 | 19.0814 | 380 |
| | 102 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 109454 | 20.4445 | 410 |
| | 103 sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 449500 | 19.7737 | 400 |
| | 104 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 24733 | 16.1616 | 320 |
| | 105 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 204699 | 19.3159 | 390 |
| | 107 p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 386140 | 19.4801 | 390 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.669 | (1.000) | 393684 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 211503 | 19.1284 | 380 |
| | 110 Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 215284 | 18.3500 | 370 |
| | 106 n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 351235 | 19.5096 | 390 |
| | 111 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 197230 | 18.9652 | 380 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 21385 | 20.6890 | 410 |
| | 113 Camphor | 95 | 11.611 | 11.611 | (1.201) | 57434 | 94.9678 | 1900 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 144710 | 18.3736 | 370 |
| | 115 Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 52989 | 16.5224 | 330 |
| | 116 Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 387601 | 19.5797 | 390 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.776 | 11.775 | (1.218) | 132592 | 18.6989 | 370 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 206343 | 41.2547 | 820 |
| M | 121 Xylene (Total) | 100 | | | | 490457 | 58.2801 | 1200 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31240.d
Report Date: 23-Sep-2009 13:58

QC Flag Legend

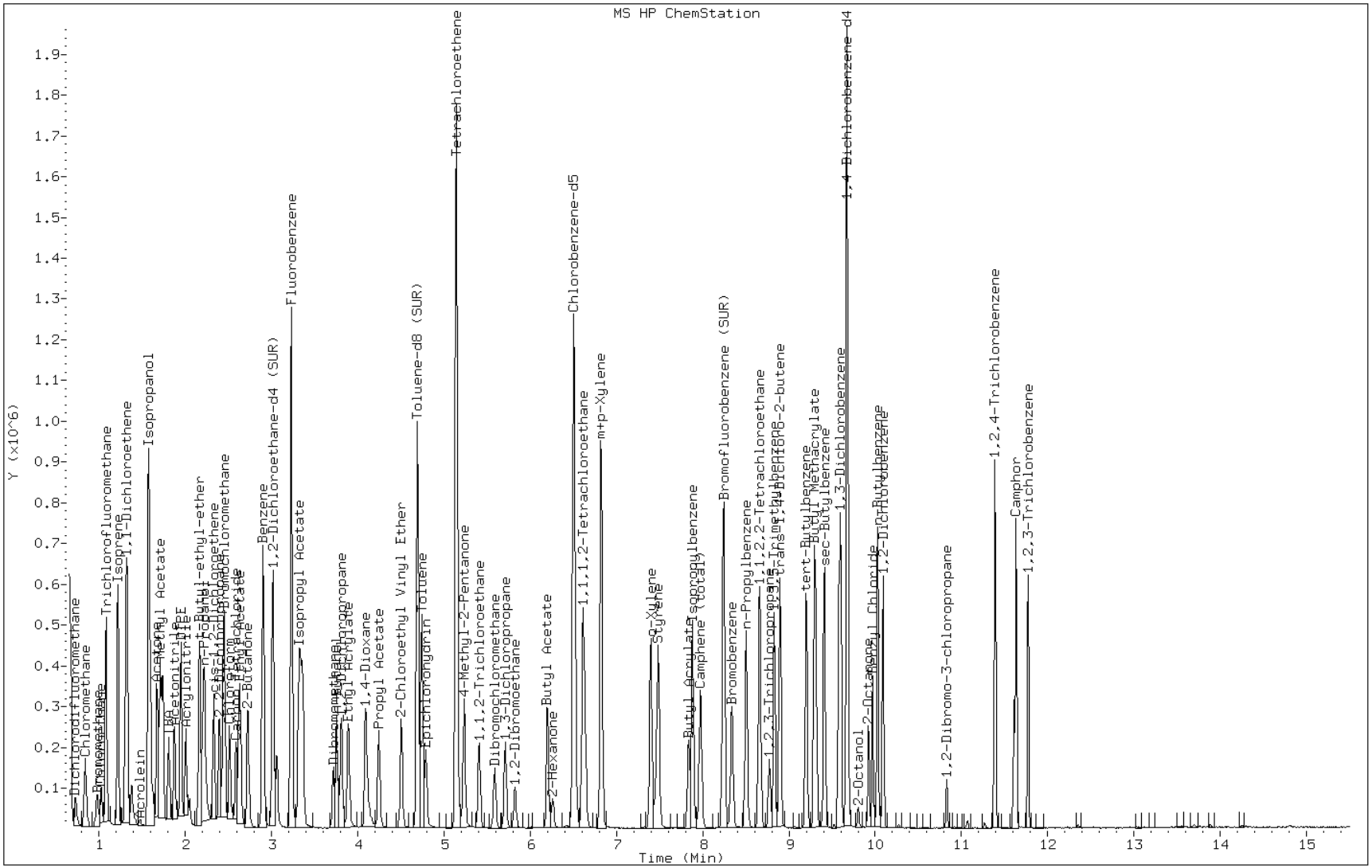
R - Spike/Surrogate failed recovery limits.

Data File: p31240.d

Date: 23-SEP-2009 11:58

Client ID: Instrument: VOAMS13.i

Sample Info: 460-5737-B-3MS;20 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Client Sample ID:  Lab Sample ID: 460-5885-A-4 MS

Matrix: Water  Lab File ID: p31268.d

Analysis Method: 8260B  Date Collected: 09/17/2009 14:00

Sample wt/vol: 5(mL)  Date Analyzed: 09/24/2009 01:18

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: DB-624 ID: 0.18(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17822  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 20.0 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 20.5 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 51.1 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 18.8 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 18.5 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 19.1 | | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 99 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 93 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31268.d
Report Date: 24-Sep-2009 08:13

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31268.d
Lab Smp Id: 460-5885-A-4 MS  Client Smp ID: MB-3
Inj Date  : 24-SEP-2009 01:18
Operator  :  Inst ID: VOAMS13.i
Smp Info  : 460-5885-A-4 MS
Misc Info : 460-5885-A-4 MS
Comment   :
Method    : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 22:15 ken  Quant Type: ISTD
Cal Date  : 17-SEP-2009 12:26  Cal File: p31045.d
Als bottle: 12  QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.730 | 0.730 | (0.226) | 77427 | 21.9343 | 22 |
| 3 Chloromethane | 50 | 0.830 | 0.830 | (0.257) | 99565 | 22.8424 | 23 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.261) | 111287 | 24.8408 | 25 |
| 6 Bromomethane | 94 | 0.973 | 0.974 | (0.301) | 45725 | 15.0838 | 15 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 66422 | 22.5674 | 22 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 151799 | 23.6776 | 24 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 134974 | 17.4305 | 17 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 6988 | 23.0736 | 23 |
| 15 1,1-Dichloroethene | 96 | 1.303 | 1.303 | (0.403) | 78290 | 20.7131 | 21 |
| 14 Freon TF | 101 | 1.324 | 1.325 | (0.410) | 80904 | 17.6222 | 18 |
| 16 Acetone | 58 | 1.625 | 1.625 | (0.503) | 7545 | 20.5481 | 20 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.317 | (0.408) | 278721 | 17.9842 | 18 |
| 19 Isopropanol | 45 | 1.575 | 1.575 | (0.488) | 889303 | 3163.75 | 3200 |
| 21 Acetonitrile | 39 | 1.869 | 1.869 | (0.579) | 37587 | 364.647 | 360 |
| 27 Methyl Acetate | 74 | 1.690 | 1.683 | (0.523) | 28121 | 20.4635 | 20 |
| 22 Methylene Chloride | 84 | 1.589 | 1.590 | (0.492) | 97542 | 20.0436 | 20 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31268.d
Report Date: 24-Sep-2009 08:13

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.812 | 1.805 | (0.561) | 177308 | 384.981 | 380 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 92110 | 19.0515 | 19 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 30859 | 19.7123 | 20 |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 275527 | 18.7985 | 19 |
| | 29 Hexane | 56 | 1.711 | 1.704 | (0.530) | 78991 | 19.7363 | 20 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 167566 | 19.4990 | 19 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 306531 | 18.5830 | 18 |
| | 34 n-Propanol | 60 | 2.220 | 2.220 | (0.687) | 49441 | 2910.85 | 2900 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 312799 | 19.5823 | 20 |
| | 37 2,2-Dichloropropane | 77 | 2.392 | 2.392 | (0.741) | 144811 | 21.7775 | 22 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 101782 | 19.5820 | 20 |
| | 38 2-Butanone | 72 | 2.736 | 2.736 | (0.847) | 14151 | 19.5652 | 20 |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 20074 | 45.6683 | 46 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 47985 | 21.2130 | 21 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 38554 | 23.2774 | 23(R) |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 170616 | 22.9684 | 23 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.635 | (0.816) | 153564 | 24.0889 | 24 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 161883 | 20.8651 | 21 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 119851 | 21.9673 | 22 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 120195 | 19.7304 | 20 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 208193 | 46.0902 | 46 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 361897 | 18.8252 | 19 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 116420 | 19.9474 | 20 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 54232 | 19.8794 | 20 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 254705 | 20.2563 | 20 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.309 | (1.027) | 289230 | 39.6699 | 40 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1035135 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 242651 | 51.0599 | 51(R) |
| | 53 n-Butanol | 56 | 3.760 | 3.760 | (1.164) | 117178 | 1558.06 | 1600 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 140568 | 17.3552 | 17 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 103634 | 20.4925 | 20 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 92193 | 20.2188 | 20 |
| | 58 Dibromomethane | 93 | 3.717 | 3.710 | (1.151) | 50815 | 20.1894 | 20 |
| | 60 1,4-Dioxane | 88 | 4.104 | 4.097 | (1.271) | 160529 | 3265.35 | 3300 |
| | 59 Methyl Methacrylate | 100 | 4.089 | 4.082 | (1.266) | 22966 | 18.7433 | 19 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 207295 | 38.3515 | 38 |
| | 68 Bromodichloromethane | 83 | 3.889 | 3.882 | (1.204) | 118312 | 20.1332 | 20 |
| | 63 Epichlorohydrin | 57 | 4.784 | 4.784 | (0.736) | 113923 | 244.162 | 240 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 146396 | 19.2787 | 19 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.804) | 71676 | 20.8188 | 21 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 691350 | 46.5081 | 46 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.730) | 394894 | 18.5024 | 18 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.235 | 5.236 | (0.806) | 132029 | 18.7831 | 19 |
| | 69 1,1,2-Trichloroethane | 83 | 5.407 | 5.408 | (0.832) | 63286 | 19.3512 | 19 |
| | 71 Tetrachloroethene | 166 | 5.142 | 5.142 | (0.792) | 97459 | 20.1197 | 20 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.879) | 133808 | 19.1730 | 19 |
| | 73 2-Hexanone | 43 | 6.260 | 6.260 | (0.964) | 55832 | 20.4101 | 20 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31268.d
Report Date: 24-Sep-2009 08:13

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 74 Dibromochloromethane | 129 | 5.586 | 5.587 | (0.860) | 86607 | 19.9859 | 20 |
| | 76 Butyl Acetate | 73 | 6.195 | 6.195 | (0.954) | 38593 | 34.7147 | 35 |
| | 77 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.896) | 72719 | 18.8904 | 19 |
| * | 78 Chlorobenzene-d5 | 117 | 6.496 | 6.496 | (1.000) | 760236 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 6.518 | 6.518 | (1.003) | 247210 | 18.8615 | 19 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.632 | (1.021) | 82213 | 18.9487 | 19 |
| | 81 Ethylbenzene | 106 | 6.611 | 6.611 | (1.018) | 132244 | 19.0656 | 19 |
| | 82 m+p-Xylene | 106 | 6.819 | 6.819 | (1.050) | 329239 | 37.5637 | 38 |
| | 84 o-Xylene | 106 | 7.399 | 7.399 | (1.139) | 156965 | 19.1432 | 19 |
| | 85 Styrene | 104 | 7.485 | 7.485 | (1.152) | 269550 | 18.7344 | 19 |
| | 83 Butyl Acrylate | 73 | 7.828 | 7.836 | (1.205) | 59414 | 17.8165 | 18 |
| | 86 Bromoform | 173 | 7.449 | 7.449 | (1.147) | 51911 | 19.2577 | 19 |
| | 88 Isopropylbenzene | 105 | 7.879 | 7.879 | (1.213) | 423041 | 20.2134 | 20 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 266598 | 49.7412 | 50 |
| | 90 Camphene (total) | 93 | 7.972 | 7.972 | (1.227) | 36944 | 4.76530 | 4.8(R) |
| | 91 Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 101469 | 18.6214 | 19 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 8.659 | 8.660 | (0.896) | 92766 | 19.4874 | 19 |
| | 93 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 26571 | 19.4933 | 19 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 31464 | 18.8825 | 19 |
| | 95 n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 489672 | 18.7748 | 19 |
| | 96 2-Chlorotoluene | 91 | 8.659 | 8.660 | (0.896) | 294420 | 19.2500 | 19 |
| | 97 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.831 | (0.913) | 332855 | 18.9675 | 19 |
| | 98 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 320686 | 19.1218 | 19 |
| | 99 Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 109953 | 18.2910 | 18 |
| | 100 tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 301194 | 19.1494 | 19 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 348524 | 19.0615 | 19 |
| | 102 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 105517 | 19.2111 | 19 |
| | 103 sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 449713 | 19.2833 | 19 |
| | 104 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 17945 | 11.4299 | 11 |
| | 105 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 204155 | 18.7778 | 19 |
| | 107 p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 383764 | 18.8711 | 19 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.670 | (1.000) | 403889 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 209019 | 18.4261 | 18 |
| | 110 Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 198407 | 16.4842 | 16 |
| | 106 n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 345209 | 18.6904 | 19 |
| | 111 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 193671 | 18.1524 | 18 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 20367 | 19.2062 | 19 |
| | 113 Camphor | 95 | 11.611 | 11.611 | (1.201) | 51778 | 83.4531 | 83 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 141347 | 17.4932 | 17 |
| | 115 Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 55867 | 16.9796 | 17 |
| | 116 Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 450582 | 22.1861 | 22 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.775 | (1.218) | 131933 | 18.1358 | 18 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 193892 | 38.6527 | 39 |
| M | 121 Xylene (Total) | 100 | | | | 486204 | 56.6910 | 57 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31268.d
Report Date: 24-Sep-2009 08:13

QC Flag Legend

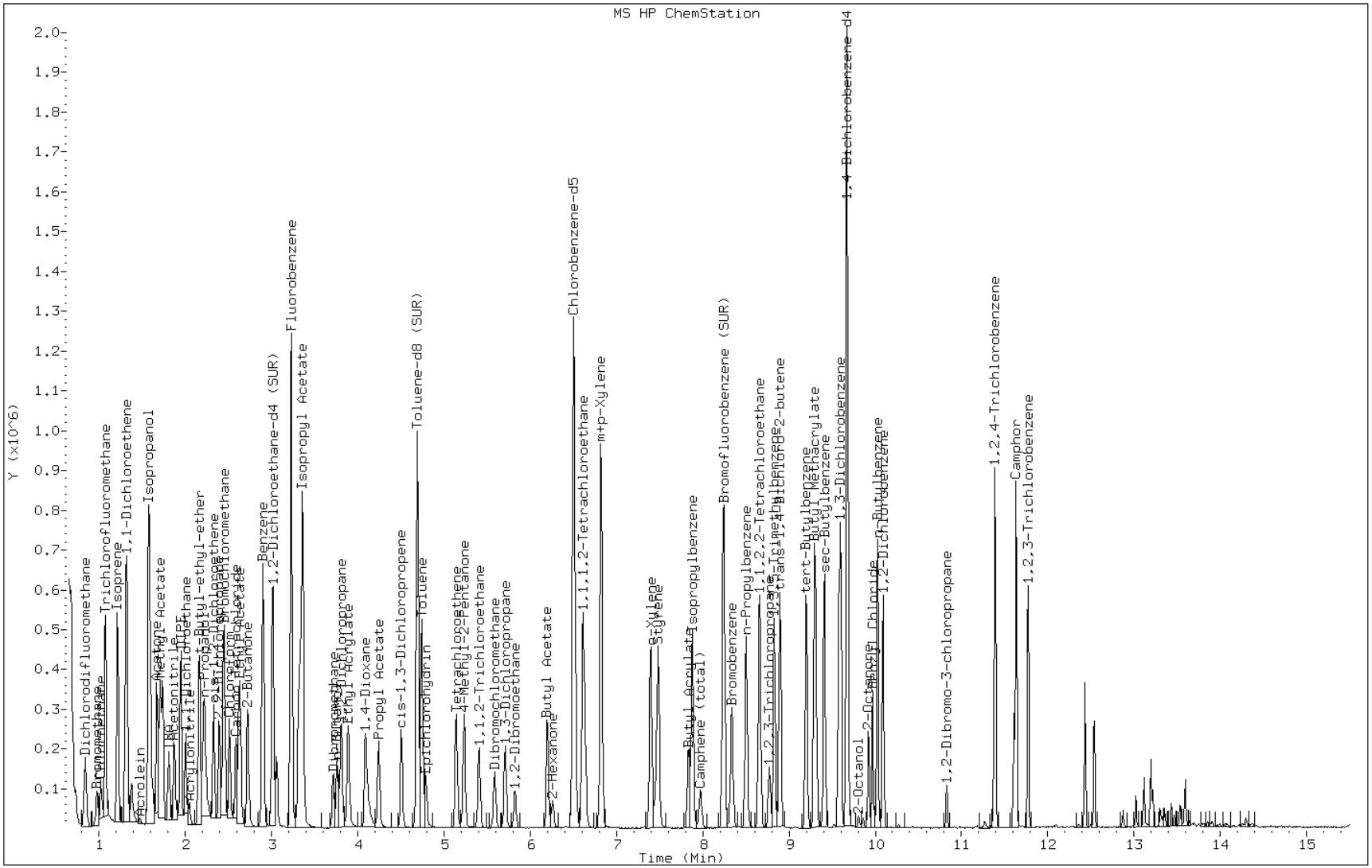
R - Spike/Surrogate failed recovery limits.

Data File: p31268.d

Date: 24-SEP-2009 01:18

Client ID: MB-3 Instrument: VOAMS13.i

Sample Info: 460-5885-A-4 MS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-8SR MSD | Lab Sample ID: 460-5774-2 MSD

Matrix: Water | Lab File ID: p31200.d

Analysis Method: 8260B | Date Collected: 09/16/2009 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 08:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17559 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 21.0 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 33.5 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 18.6 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 27.7 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 24.7 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 58.5 | | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 101 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 109 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 103 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31200.d
Report Date: 22-Sep-2009 09:40

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31200.d
Lab Smp Id: 460-5774-C-2 MSD  Client Smp ID: MW-8SR
Inj Date  : 22-SEP-2009 08:25
Operator  :  Inst ID: VOAMS13.i
Smp Info  : 460-5774-C-2 MSD
Misc Info : 460-5774-C-2 MSD
Comment   :
Method    : /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/8260_09.m
Meth Date : 21-Sep-2009 23:36 ken  Quant Type: ISTD
Cal Date  : 17-SEP-2009 12:26  Cal File: p31045.d
Als bottle: 13  QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.730 | 0.730 | (0.226) | 61762 | 17.1550 | 17 |
| 3 Chloromethane | 50 | 0.830 | 0.830 | (0.257) | 99043 | 22.2791 | 22 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.261) | 104474 | 22.8650 | 23 |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 59187 | 19.1435 | 19 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 63870 | 21.2769 | 21 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 137399 | 21.0132 | 21 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 126028 | 15.9575 | 16 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 12530 | 40.5616 | 40 |
| 15 1,1-Dichloroethene | 96 | 1.303 | 1.303 | (0.403) | 76364 | 19.8090 | 20 |
| 14 Freon TF | 101 | 1.325 | 1.325 | (0.410) | 71659 | 15.3039 | 15 |
| 16 Acetone | 58 | 1.625 | 1.626 | (0.503) | 12528 | 33.4534 | 33(R) |
| 18 Carbon Disulfide | 76 | 1.317 | 1.318 | (0.408) | 329104 | 20.8206 | 21 |
| 19 Isopropanol | 45 | 1.575 | 1.575 | (0.488) | 919951 | 3208.90 | 3200 |
| 21 Acetonitrile | 39 | 1.869 | 1.869 | (0.579) | 46918 | 446.287 | 450 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 26850 | 19.1566 | 19 |
| 22 Methylene Chloride | 84 | 1.590 | 1.590 | (0.492) | 104470 | 21.0481 | 21 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31200.d
Report Date: 22-Sep-2009 09:40

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.812 | 1.805 | (0.561) | 221017 | 470.518 | 470(R) |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.669 | (0.517) | 100774 | 20.4367 | 20 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 36525 | 22.8765 | 23 |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 326199 | 21.8212 | 22 |
| | 29 Hexane | 56 | 1.711 | 1.711 | (0.530) | 60521 | 14.8263 | 15 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 187364 | 21.3772 | 21 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 354136 | 21.0498 | 21 |
| | 34 n-Propanol | 60 | 2.227 | 2.220 | (0.690) | 53073 | 3063.73 | 3100 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 343558 | 21.0880 | 21 |
| | 37 2,2-Dichloropropane | 77 | 2.392 | 2.392 | (0.741) | 114832 | 16.9320 | 17 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.328 | (0.721) | 111583 | 21.0485 | 21 |
| | 38 2-Butanone | 72 | 2.736 | 2.736 | (0.847) | 18427 | 24.9794 | 25(R) |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.811) | 21222 | 47.3372 | 47(R) |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 54378 | 23.5701 | 24 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 56403 | 33.3887 | 33(R) |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 175912 | 23.2191 | 23 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.636 | (0.816) | 142494 | 21.9160 | 22 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 163703 | 20.6879 | 21 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 116389 | 20.9163 | 21 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 132300 | 21.2936 | 21 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 232603 | 50.4888 | 50 |
| | 48 Benzene | 78 | 2.900 | 2.901 | (0.446) | 542149 | 27.6508 | 28(R) |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 125727 | 21.1216 | 21 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 36750 | 13.2081 | 13 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 278069 | 21.6827 | 22 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.309 | (1.027) | 308896 | 41.5403 | 42 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1055744 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 89973 | 18.5631 | 18 |
| | 53 n-Butanol | 56 | 3.760 | 3.753 | (1.164) | 147419 | 1854.03 | 1800 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 128049 | 15.5009 | 16 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 110978 | 21.5164 | 22 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 98725 | 21.2286 | 21 |
| | 58 Dibromomethane | 93 | 3.710 | 3.710 | (1.149) | 55438 | 21.5963 | 22 |
| | 60 1,4-Dioxane | 88 | 4.104 | 4.104 | (1.271) | 164791 | 3286.60 | 3300 |
| | 59 Methyl Methacrylate | 100 | 4.082 | 4.082 | (1.264) | 26401 | 21.1260 | 21 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 212263 | 38.5041 | 38 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 129320 | 21.5768 | 22 |
| | 63 Epichlorohydrin | 57 | 4.791 | 4.784 | (0.737) | 28929 | 60.7913 | 61(R) |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 150817 | 19.4731 | 19 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.803) | 86232 | 24.5572 | 24(R) |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 777706 | 51.2956 | 51 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.729) | 537016 | 24.6699 | 25(R) |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.805) | 140532 | 19.6023 | 20 |
| | 69 1,1,2-Trichloroethane | 83 | 5.407 | 5.408 | (0.831) | 71276 | 21.3687 | 21 |
| | 71 Tetrachloroethene | 166 | 5.142 | 5.143 | (0.791) | 83888 | 16.9799 | 17 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.878) | 149582 | 21.0145 | 21 |
| | 73 2-Hexanone | 43 | 6.260 | 6.260 | (0.963) | 64411 | 23.0861 | 23 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31200.d
Report Date: 22-Sep-2009 09:40

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 74 Dibromochloromethane | 129 | 5.587 | 5.587 | (0.859) | 91928 | 20.7993 | 21 |
| | 76 Butyl Acetate | 73 | 6.203 | 6.196 | (0.954) | 41082 | 36.2315 | 36 |
| | 77 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.895) | 83283 | 21.2118 | 21 |
| * | 78 Chlorobenzene-d5 | 117 | 6.503 | 6.496 | (1.000) | 775380 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 6.525 | 6.518 | (1.003) | 3186901 | 238.403 | 240(R) |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.633 | (1.020) | 89381 | 20.1984 | 20 |
| | 81 Ethylbenzene | 106 | 6.611 | 6.611 | (1.017) | 414037 | 58.5256 | 58(R) |
| | 82 m+p-Xylene | 106 | 6.819 | 6.819 | (1.048) | 584025 | 65.3313 | 65(R) |
| | 84 o-Xylene | 106 | 7.399 | 7.399 | (1.138) | 543573 | 64.9984 | 65(R) |
| | 85 Styrene | 104 | 7.485 | 7.485 | (1.151) | 268410 | 18.2908 | 18 |
| | 83 Butyl Acrylate | 73 | 7.836 | 7.836 | (1.205) | 67764 | 19.9233 | 20 |
| | 86 Bromoform | 173 | 7.449 | 7.449 | (1.145) | 56066 | 20.3927 | 20 |
| | 88 Isopropylbenzene | 105 | 7.879 | 7.879 | (1.211) | 458659 | 21.4873 | 21 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 291702 | 54.2748 | 54 |
| | 90 Camphene (total) | 93 | 7.972 | 7.972 | (1.226) | 23853 | 3.01669 | 3.0(R) |
| | 91 Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 107354 | 19.6470 | 20 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 8.659 | 8.660 | (0.896) | 103632 | 21.7100 | 22 |
| | 93 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 29670 | 21.7064 | 22 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 32948 | 19.7186 | 20 |
| | 95 n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 578416 | 22.1161 | 22 |
| | 96 2-Chlorotoluene | 91 | 8.659 | 8.660 | (0.896) | 298779 | 19.4811 | 19 |
| | 97 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.832 | (0.913) | 422045 | 23.9835 | 24(R) |
| | 98 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 310748 | 18.4781 | 18 |
| | 99 Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 128019 | 21.2375 | 21 |
| | 100 tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 277612 | 17.6014 | 18 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 982373 | 53.5796 | 54(R) |
| | 102 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 135389 | 24.5818 | 24 |
| | 103 sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 448968 | 19.1982 | 19 |
| | 104 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 30347 | 19.2750 | 19(R) |
| | 105 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 204855 | 18.7901 | 19 |
| | 107 p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 441605 | 21.6554 | 22 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.669 | 9.670 | (1.000) | 405007 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 273048 | 24.0040 | 24 |
| | 110 Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 197731 | 16.3827 | 16 |
| | 106 n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 356009 | 19.2220 | 19 |
| | 111 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 255419 | 23.8739 | 24 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 22705 | 21.3514 | 21 |
| | 113 Camphor | 95 | 11.611 | 11.611 | (1.201) | 72270 | 116.159 | 120(R) |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 147468 | 18.2004 | 18 |
| | 115 Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 49416 | 14.9775 | 15 |
| | 116 Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 1553157 | 76.2645 | 76(R) |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.776 | (1.218) | 142288 | 19.5053 | 20 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 212357 | 41.5073 | 42 |
| M | 121 Xylene (Total) | 100 | | | | 1127598 | 128.909 | 130(R) |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b/p31200.d
Report Date: 22-Sep-2009 09:40

QC Flag Legend

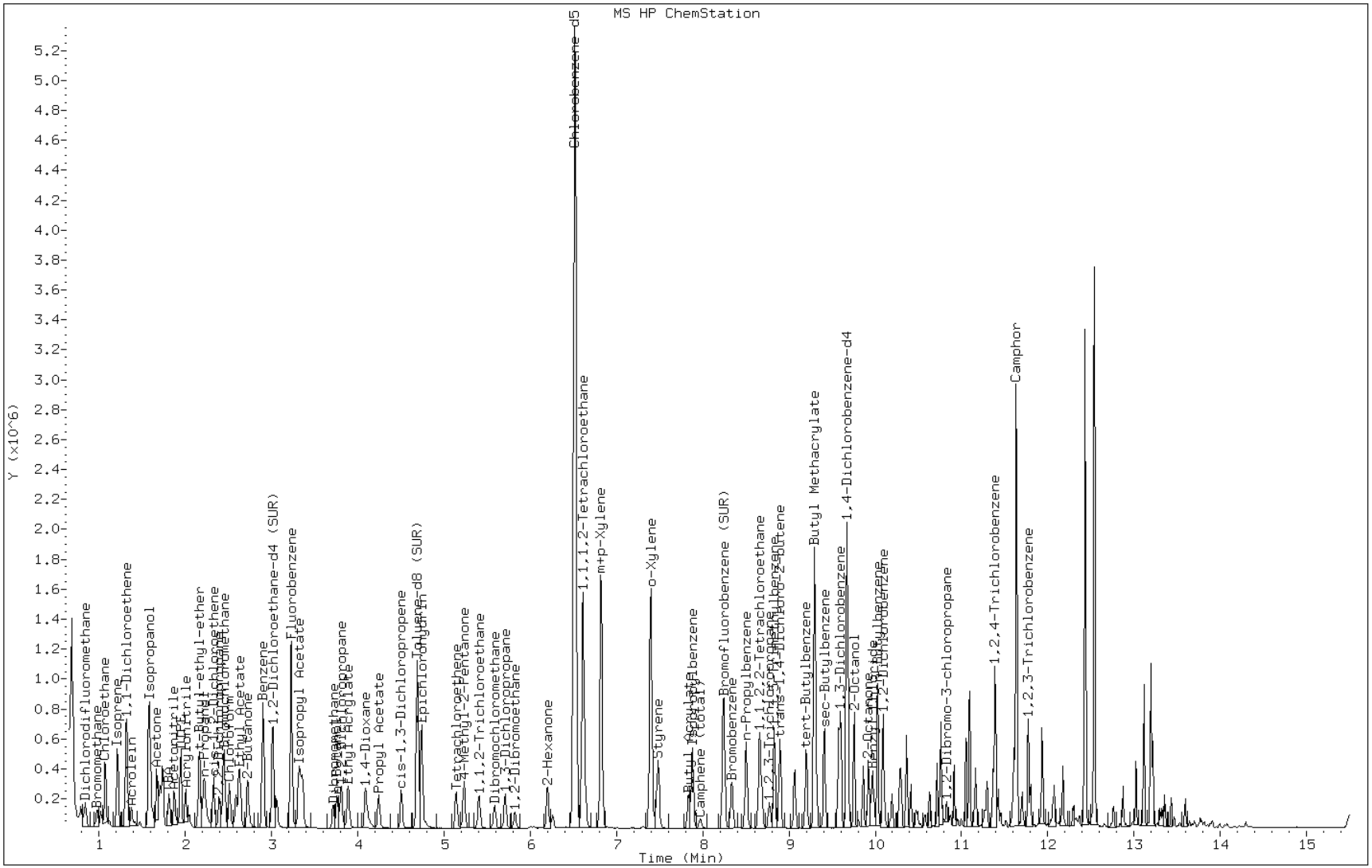
R - Spike/Surrogate failed recovery limits.

Data File: p31200.d

Date: 22-SEP-2009 08:25

Client ID: MW-8SR Instrument: VOAMS13.i

Sample Info: 460-5774-C-2 MSD Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-5737-B-3 MSD

Matrix: Water | Lab File ID: p31241.d

Analysis Method: 8260B | Date Collected: 09/16/2009 10:05

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 12:24

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17748 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 386 | | 20 | 3.8 |
| 67-64-1 | Acetone | 538 | | 200 | 50 |
| 79-01-6 | Trichloroethene | 409 | | 20 | 3.6 |
| 71-43-2 | Benzene | 415 | | 20 | 2.6 |
| 108-88-3 | Toluene | 369 | | 20 | 1.8 |
| 100-41-4 | Ethylbenzene | 375 | | 20 | 5.0 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 113 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 114 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 108 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31241.d
Report Date: 23-Sep-2009 14:01

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31241.d
Lab Smp Id: 460-5737-B-3MSD
Inj Date : 23-SEP-2009 12:24
Operator : Inst ID: VOAMS13.i
Smp Info : 460-5737-B-3MSD;20
Misc Info :
Comment :
Method : /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/8260_09.m
Meth Date : 23-Sep-2009 09:10 desais Quant Type: ISTD
Cal Date : 17-SEP-2009 12:26 Cal File: p31045.d
Als bottle: 10 QC Sample: MSD
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 20.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.730 | 0.730 | (0.226) | 75097 | 21.1982 | 420 |
| 3 Chloromethane | 50 | 0.838 | 0.830 | (0.259) | 90777 | 20.7517 | 420 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.262) | 99995 | 22.2406 | 440 |
| 6 Bromomethane | 94 | 0.981 | 0.974 | (0.304) | 41919 | 13.7788 | 280 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 62667 | 21.2156 | 420 |
| 7 Trichlorofluoromethane | 101 | 1.081 | 1.074 | (0.335) | 135633 | 21.0805 | 420 |
| 10 Isoprene | 67 | 1.217 | 1.210 | (0.377) | 128938 | 16.5914 | 330 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 7918 | 26.0519 | 520 |
| 15 1,1-Dichloroethene | 96 | 1.310 | 1.303 | (0.406) | 75699 | 19.9559 | 400 |
| 14 Freon TF | 101 | 1.332 | 1.325 | (0.412) | 83194 | 18.0564 | 360 |
| 16 Acetone | 58 | 1.626 | 1.625 | (0.503) | 9921 | 26.9227 | 540 |
| 18 Carbon Disulfide | 76 | 1.325 | 1.317 | (0.410) | 275699 | 17.7257 | 350 |
| 19 Isopropanol | 45 | 1.568 | 1.575 | (0.486) | 987718 | 3501.31 | 70000 |
| 21 Acetonitrile | 39 | 1.869 | 1.869 | (0.579) | 39943 | 386.115 | 7700 |
| 27 Methyl Acetate | 74 | 1.690 | 1.690 | (0.523) | 30258 | 21.9396 | 440 |
| 22 Methylene Chloride | 84 | 1.597 | 1.590 | (0.494) | 94284 | 19.3049 | 390 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31241.d
Report Date: 23-Sep-2009 14:01

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.805 | 1.812 | (0.559) | 201619 | 436.202 | 8700 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 86905 | 17.9107 | 360 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 34544 | 21.9872 | 440 |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 284220 | 19.3223 | 390 |
| | 29 Hexane | 56 | 1.711 | 1.704 | (0.530) | 77418 | 19.2740 | 380 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 165314 | 19.1682 | 380 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 303348 | 18.3243 | 370 |
| | 34 n-Propanol | 60 | 2.213 | 2.227 | (0.685) | 59959 | 3517.49 | 70000 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 316193 | 19.7240 | 390 |
| | 37 2,2-Dichloropropane | 77 | 2.399 | 2.392 | (0.743) | 142648 | 21.3756 | 430 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 107514 | 20.6109 | 410 |
| | 38 2-Butanone | 72 | 2.736 | 2.743 | (0.847) | 17817 | 24.5446 | 490(R) |
| | 39 Ethyl Acetate | 70 | 2.621 | 2.621 | (0.812) | 21031 | 47.6723 | 950(R) |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 49228 | 21.6845 | 430 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.812) | 41426 | 24.9218 | 500(R) |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 163504 | 21.9323 | 440 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.635 | (0.816) | 141082 | 22.0518 | 440 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 162560 | 20.8775 | 420 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 119564 | 21.8363 | 440 |
| | 46 1,1-Dichloropropene | 75 | 2.729 | 2.721 | (0.845) | 128971 | 21.0953 | 420 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 257023 | 56.6967 | 57 |
| | 48 Benzene | 78 | 2.901 | 2.900 | (0.446) | 398968 | 20.7504 | 420 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 119830 | 20.4583 | 410 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 63272 | 23.1100 | 460 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 269023 | 21.3185 | 430 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.316 | (1.027) | 310892 | 42.4886 | 850 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1038848 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.366 | 3.359 | (1.042) | 97494 | 20.4420 | 410 |
| | 53 n-Butanol | 56 | 3.753 | 3.760 | (1.162) | 171204 | 2111.91 | 42000(R) |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 146375 | 18.0075 | 360 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 113268 | 22.3176 | 450(R) |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 94459 | 20.6417 | 410 |
| | 58 Dibromomethane | 93 | 3.717 | 3.710 | (1.151) | 51686 | 20.4621 | 410 |
| | 60 1,4-Dioxane | 88 | 4.097 | 4.104 | (1.268) | 175121 | 3549.42 | 71000 |
| | 59 Methyl Methacrylate | 100 | 4.082 | 4.082 | (1.264) | 24761 | 20.1364 | 400 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 235996 | 43.5055 | 870 |
| | 68 Bromodichloromethane | 83 | 3.889 | 3.882 | (1.204) | 117749 | 19.9659 | 400 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 4.498 | 4.483 | (1.393) | 7241 | 2.51537 | 50(R) |
| | 63 Epichlorohydrin | 57 | 4.792 | 4.784 | (0.737) | 158262 | 339.139 | 6800 |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 148939 | 19.6107 | 390 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.803) | 77043 | 22.3740 | 450 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.721) | 805927 | 54.2076 | 54 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.729) | 393756 | 18.4462 | 370 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.805) | 135194 | 19.2304 | 380 |
| | 69 1,1,2-Trichloroethane | 83 | 5.408 | 5.407 | (0.831) | 63999 | 19.5663 | 390 |
| | 71 Tetrachloroethene | 166 | 5.143 | 5.142 | (0.791) | 598367 | 123.509 | 2500(R) |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.878) | 138069 | 19.7805 | 400 |

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Report Date: 23-Sep-2009 14:01

| | | | QUANT SIG | | | | | CONCENTRATIONS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN ( ug/L) | FINAL ( ug/L) |
| | 73 | 2-Hexanone | 43 | 6.260 | 6.260 | (0.963) | 57889 | 21.1587 | 420 |
| | 74 | Dibromochloromethane | 129 | 5.587 | 5.587 | (0.859) | 86282 | 19.9077 | 400 |
| | 76 | Butyl Acetate | 73 | 6.196 | 6.203 | (0.953) | 43441 | 39.0693 | 780 |
| | 77 | 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.895) | 77019 | 20.0042 | 400 |
| * | 78 | Chlorobenzene-d5 | 117 | 6.504 | 6.503 | (1.000) | 760352 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 6.518 | 6.518 | (1.002) | 250213 | 19.0877 | 380 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.640 | 6.632 | (1.021) | 82964 | 19.1189 | 380 |
| | 81 | Ethylbenzene | 106 | 6.611 | 6.611 | (1.017) | 130225 | 18.7716 | 380 |
| | 82 | m+p-Xylene | 106 | 6.819 | 6.819 | (1.048) | 322711 | 36.8132 | 740 |
| | 84 | o-Xylene | 106 | 7.399 | 7.399 | (1.138) | 155615 | 18.9757 | 380 |
| | 85 | Styrene | 104 | 7.485 | 7.485 | (1.151) | 262439 | 18.2374 | 360 |
| | 83 | Butyl Acrylate | 73 | 7.836 | 7.836 | (1.205) | 63663 | 19.0876 | 380 |
| | 86 | Bromoform | 173 | 7.456 | 7.449 | (1.146) | 56543 | 20.9730 | 420 |
| | 88 | Isopropylbenzene | 105 | 7.879 | 7.879 | (1.211) | 414997 | 19.8261 | 400 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 309031 | 56.8952 | 57 |
| | 90 | Camphene (total) | 93 | 7.972 | 7.972 | (1.226) | 128892 | 16.6228 | 330 |
| | 91 | Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 104466 | 18.9177 | 380 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.660 | 8.659 | (0.896) | 103354 | 21.4242 | 430 |
| | 93 | 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 28521 | 20.6466 | 410 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 8.889 | 8.889 | (0.919) | 32864 | 19.4613 | 390 |
| | 95 | n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 484889 | 18.3453 | 370 |
| | 96 | 2-Chlorotoluene | 91 | 8.660 | 8.659 | (0.896) | 291457 | 18.8041 | 380 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 8.832 | 8.831 | (0.913) | 336352 | 18.9131 | 380 |
| | 98 | 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 318634 | 18.7479 | 370 |
| | 99 | Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 115498 | 18.9591 | 380 |
| | 100 | tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 298285 | 18.7135 | 370 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 345201 | 18.6298 | 370 |
| | 102 | 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 113861 | 20.4559 | 410 |
| | 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 443093 | 18.7479 | 370 |
| | 104 | 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 26396 | 16.5896 | 330(R) |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 201942 | 18.3284 | 370 |
| | 107 | p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 383208 | 18.5943 | 370 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.669 | (1.000) | 409307 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 206222 | 17.9388 | 360 |
| | 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 211880 | 17.3705 | 350 |
| | 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 347309 | 18.5552 | 370 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 195423 | 18.0743 | 360 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 21603 | 20.1018 | 400 |
| | 113 | Camphor | 95 | 11.611 | 11.611 | (1.201) | 60615 | 96.4031 | 1900 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 144083 | 17.5958 | 350 |
| | 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 54483 | 16.3399 | 330 |
| | 116 | Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 387080 | 18.8071 | 380 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.776 | 11.775 | (1.218) | 134515 | 18.2460 | 360 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 194420 | 38.6193 | 770 |
| M | 121 | Xylene (Total) | 100 | | | | 478326 | 55.7639 | 1100 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b/p31241.d
Report Date: 23-Sep-2009 14:01

QC Flag Legend

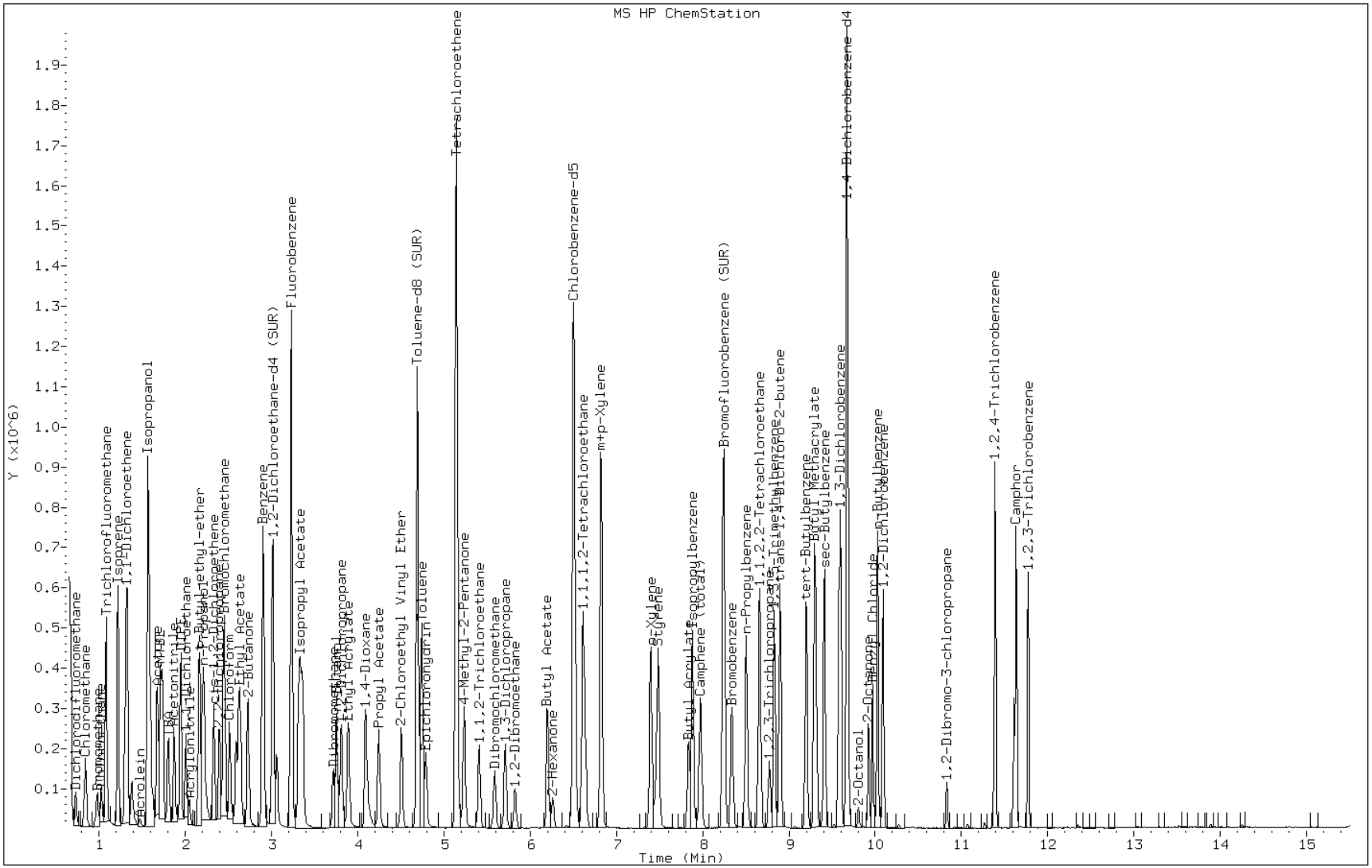
R - Spike/Surrogate failed recovery limits.

Data File: p31241.d

Date: 23-SEP-2009 12:24

Client ID: Instrument: VOAMS13.i

Sample Info: 460-5737-B-3MSD;20 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-5885-A-4 MSD

Matrix: Water | Lab File ID: p31269.d

Analysis Method: 8260B | Date Collected: 09/17/2009 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2009 01:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17822 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 19.7 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 18.6 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 51.7 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 19.1 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 18.6 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 19.1 | | 1.0 | 0.25 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 97 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 99 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 92 | 69-125 | |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31269.d
Report Date: 24-Sep-2009 08:13

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31269.d
Lab Smp Id: 460-5885-A-4 MSD  Client Smp ID: MB-3
Inj Date  : 24-SEP-2009 01:44
Operator  :  Inst ID: VOAMS13.i
Smp Info  : 460-5885-A-4 MSD
Misc Info : 460-5885-A-4 MSD
Comment   :
Method    : /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 22:15 ken  Quant Type: ISTD
Cal Date  : 17-SEP-2009 12:26  Cal File: p31045.d
Als bottle: 13  QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.730 | 0.730 | (0.226) | 81672 | 23.1376 | 23 |
| 3 Chloromethane | 50 | 0.837 | 0.830 | (0.259) | 100701 | 23.1038 | 23 |
| 4 Vinyl Chloride | 62 | 0.845 | 0.845 | (0.262) | 109419 | 24.4247 | 24 |
| 6 Bromomethane | 94 | 0.974 | 0.974 | (0.301) | 49243 | 16.2450 | 16 |
| 5 Chloroethane | 64 | 1.024 | 1.024 | (0.317) | 68051 | 23.1217 | 23 |
| 7 Trichlorofluoromethane | 101 | 1.074 | 1.074 | (0.332) | 163730 | 25.5394 | 26 |
| 10 Isoprene | 67 | 1.210 | 1.210 | (0.375) | 136742 | 17.6593 | 18 |
| 13 Acrolein | 56 | 1.475 | 1.475 | (0.457) | 7720 | 25.4924 | 25 |
| 15 1,1-Dichloroethene | 96 | 1.303 | 1.303 | (0.403) | 80591 | 21.3225 | 21 |
| 14 Freon TF | 101 | 1.325 | 1.325 | (0.410) | 84460 | 18.3976 | 18 |
| 16 Acetone | 58 | 1.625 | 1.625 | (0.503) | 6833 | 18.6103 | 19 |
| 18 Carbon Disulfide | 76 | 1.317 | 1.317 | (0.408) | 281094 | 18.1379 | 18 |
| 19 Isopropanol | 45 | 1.575 | 1.575 | (0.488) | 913027 | 3248.26 | 3200 |
| 21 Acetonitrile | 39 | 1.869 | 1.869 | (0.579) | 40369 | 391.646 | 390 |
| 27 Methyl Acetate | 74 | 1.690 | 1.683 | (0.523) | 28253 | 20.5596 | 20 |
| 22 Methylene Chloride | 84 | 1.590 | 1.590 | (0.492) | 96089 | 19.7458 | 20 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31269.d
Report Date: 24-Sep-2009 08:13

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 24 TBA | 59 | 1.812 | 1.805 | (0.561) | 182009 | 395.201 | 400 |
| | 25 trans-1,2-Dichloroethene | 96 | 1.668 | 1.668 | (0.517) | 87969 | 18.1957 | 18 |
| | 26 Acrylonitrile | 53 | 2.048 | 2.048 | (0.634) | 31426 | 20.0749 | 20 |
| | 28 MTBE | 73 | 1.733 | 1.733 | (0.536) | 276262 | 18.8493 | 19 |
| | 29 Hexane | 56 | 1.704 | 1.704 | (0.528) | 78134 | 19.5226 | 20 |
| | 30 1,1-Dichloroethane | 63 | 2.005 | 2.005 | (0.621) | 170693 | 19.8635 | 20 |
| | 32 DIPE | 45 | 1.948 | 1.948 | (0.603) | 300179 | 18.1985 | 18 |
| | 34 n-Propanol | 60 | 2.227 | 2.220 | (0.690) | 51068 | 3006.75 | 3000 |
| | 35 t-Butyl-ethyl-ether | 59 | 2.163 | 2.163 | (0.670) | 315423 | 19.7472 | 20 |
| | 37 2,2-Dichloropropane | 77 | 2.392 | 2.392 | (0.741) | 148539 | 22.3389 | 22 |
| | 36 cis-1,2-Dichloroethene | 96 | 2.327 | 2.327 | (0.721) | 102144 | 19.6522 | 20 |
| | 38 2-Butanone | 72 | 2.736 | 2.736 | (0.847) | 15053 | 20.8121 | 21 |
| | 39 Ethyl Acetate | 70 | 2.614 | 2.621 | (0.809) | 18357 | 41.7631 | 42 |
| | 40 Bromochloromethane | 128 | 2.456 | 2.456 | (0.760) | 49653 | 21.9510 | 22 |
| | 41 Tetrahydrofuran | 42 | 2.621 | 2.621 | (0.811) | 38624 | 23.3204 | 23(R) |
| | 42 Chloroform | 83 | 2.514 | 2.514 | (0.778) | 170854 | 23.0011 | 23 |
| | 43 1,1,1-Trichloroethane | 97 | 2.635 | 2.635 | (0.816) | 157534 | 24.7125 | 25 |
| | 44 Cyclohexane | 56 | 2.442 | 2.442 | (0.756) | 171412 | 22.0940 | 22 |
| | 45 Carbon Tetrachloride | 117 | 2.585 | 2.585 | (0.800) | 123918 | 22.7135 | 23 |
| | 46 1,1-Dichloropropene | 75 | 2.721 | 2.721 | (0.843) | 134828 | 22.1331 | 22 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 3.008 | 3.008 | (0.931) | 219443 | 48.5822 | 48 |
| | 48 Benzene | 78 | 2.900 | 2.900 | (0.446) | 374849 | 19.0655 | 19 |
| | 49 1,2-Dichloroethane | 62 | 3.058 | 3.058 | (0.947) | 120994 | 20.7319 | 21 |
| | 51 n-Heptane | 57 | 2.893 | 2.893 | (0.896) | 60038 | 22.0084 | 22 |
| | 50 t-Amyl-methyl-ether | 73 | 3.015 | 3.015 | (0.933) | 247369 | 19.6735 | 20 |
| | 61 Isopropyl Acetate | 43 | 3.316 | 3.309 | (1.027) | 285418 | 39.1484 | 39 |
| * | 52 Fluorobenzene | 96 | 3.230 | 3.230 | (1.000) | 1035101 | 50.0000 | |
| | 54 Trichloroethene | 95 | 3.359 | 3.359 | (1.040) | 245771 | 51.7181 | 52(R) |
| | 53 n-Butanol | 56 | 3.760 | 3.760 | (1.164) | 125296 | 1648.60 | 1600 |
| | 56 Methyl cyclohexane | 83 | 3.337 | 3.337 | (1.033) | 143942 | 17.7724 | 18 |
| | 55 Ethyl Acrylate | 55 | 3.896 | 3.896 | (1.206) | 101467 | 20.0647 | 20 |
| | 57 1,2-Dichloropropane | 63 | 3.810 | 3.810 | (1.180) | 92909 | 20.3764 | 20 |
| | 58 Dibromomethane | 93 | 3.710 | 3.710 | (1.149) | 50384 | 20.0189 | 20 |
| | 60 1,4-Dioxane | 88 | 4.104 | 4.097 | (1.271) | 163292 | 3321.65 | 3300 |
| | 59 Methyl Methacrylate | 100 | 4.082 | 4.082 | (1.264) | 22766 | 18.5808 | 18 |
| | 75 Propyl Acetate | 43 | 4.240 | 4.240 | (1.313) | 204539 | 37.8430 | 38 |
| | 68 Bromodichloromethane | 83 | 3.882 | 3.882 | (1.202) | 117297 | 19.9612 | 20 |
| | 63 Epichlorohydrin | 57 | 4.784 | 4.784 | (0.736) | 105987 | 222.106 | 220(R) |
| | 67 cis-1,3-Dichloropropene | 75 | 4.505 | 4.505 | (0.693) | 148021 | 19.0594 | 19 |
| | 70 4-Methyl-2-Pentanone | 43 | 5.221 | 5.221 | (0.804) | 73371 | 20.8372 | 21 |
| $ | 65 Toluene-d8 (SUR) | 98 | 4.691 | 4.691 | (0.722) | 696213 | 45.7942 | 46 |
| | 66 Toluene | 91 | 4.741 | 4.741 | (0.730) | 407006 | 18.6460 | 19 |
| | 64 trans-1,3-Dichloropropene | 75 | 5.236 | 5.236 | (0.806) | 131944 | 18.3537 | 18 |
| | 69 1,1,2-Trichloroethane | 83 | 5.407 | 5.408 | (0.832) | 63729 | 19.0536 | 19 |
| | 71 Tetrachloroethene | 166 | 5.142 | 5.142 | (0.792) | 97309 | 19.6421 | 20 |
| | 72 1,3-Dichloropropane | 76 | 5.708 | 5.708 | (0.879) | 135664 | 19.0068 | 19 |
| | 73 2-Hexanone | 43 | 6.260 | 6.260 | (0.964) | 54264 | 19.3958 | 19 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31269.d
Report Date: 24-Sep-2009 08:13

| | | | QUANT SIG | | | | | CONCENTRATIONS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN ( ug/L) | FINAL ( ug/L) |
| | 74 | Dibromochloromethane | 129 | 5.587 | 5.587 | (0.860) | 86045 | 19.4147 | 19 |
| | 76 | Butyl Acetate | 73 | 6.195 | 6.195 | (0.954) | 41431 | 36.4388 | 36 |
| | 77 | 1,2-Dibromoethane | 107 | 5.823 | 5.823 | (0.896) | 75500 | 19.1768 | 19 |
| * | 78 | Chlorobenzene-d5 | 117 | 6.496 | 6.496 | (1.000) | 777519 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 6.518 | 6.518 | (1.003) | 253129 | 18.8838 | 19 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 6.632 | 6.632 | (1.021) | 79016 | 17.8070 | 18 |
| | 81 | Ethylbenzene | 106 | 6.611 | 6.611 | (1.018) | 135729 | 19.1330 | 19 |
| | 82 | m+p-Xylene | 106 | 6.819 | 6.819 | (1.050) | 338008 | 37.7069 | 38 |
| | 84 | o-Xylene | 106 | 7.399 | 7.399 | (1.139) | 159999 | 19.0795 | 19 |
| | 85 | Styrene | 104 | 7.485 | 7.485 | (1.152) | 273752 | 18.6035 | 19 |
| | 83 | Butyl Acrylate | 73 | 7.836 | 7.836 | (1.206) | 61163 | 17.9331 | 18 |
| | 86 | Bromoform | 173 | 7.449 | 7.449 | (1.147) | 52057 | 18.8825 | 19 |
| | 88 | Isopropylbenzene | 105 | 7.879 | 7.879 | (1.213) | 430487 | 20.1120 | 20 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 8.244 | 8.244 | (0.853) | 270579 | 49.6735 | 50 |
| | 90 | Camphene (total) | 93 | 7.972 | 7.972 | (1.227) | 34443 | 4.34394 | 4.3(R) |
| | 91 | Bromobenzene | 156 | 8.337 | 8.337 | (0.862) | 105602 | 19.0688 | 19 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 8.660 | 8.660 | (0.896) | 96697 | 19.9870 | 20 |
| | 93 | 1,2,3-Trichloropropane | 110 | 8.774 | 8.774 | (0.907) | 26946 | 19.4506 | 19 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 8.882 | 8.889 | (0.918) | 31447 | 18.5691 | 18 |
| | 95 | n-Propylbenzene | 91 | 8.502 | 8.502 | (0.879) | 509451 | 19.2195 | 19 |
| | 96 | 2-Chlorotoluene | 91 | 8.660 | 8.660 | (0.896) | 301826 | 19.4174 | 19 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 8.831 | 8.831 | (0.913) | 347917 | 19.5075 | 20 |
| | 98 | 4-Chlorotoluene | 91 | 8.896 | 8.896 | (0.920) | 330253 | 19.3761 | 19 |
| | 99 | Butyl Methacrylate | 87 | 9.311 | 9.311 | (0.963) | 113186 | 18.5265 | 18 |
| | 100 | tert-Butylbenzene | 119 | 9.197 | 9.197 | (0.951) | 310237 | 19.4077 | 19 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.297 | 9.297 | (0.961) | 352651 | 18.9775 | 19 |
| | 102 | 2-Octanone | 43 | 9.920 | 9.920 | (1.026) | 106529 | 19.0841 | 19 |
| | 103 | sec-Butylbenzene | 105 | 9.412 | 9.412 | (0.973) | 464821 | 19.6111 | 20 |
| | 104 | 2-Octanol | 45 | 9.806 | 9.806 | (1.014) | 16578 | 10.3896 | 10 |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.576 | 9.576 | (0.990) | 210822 | 19.0797 | 19 |
| | 107 | p-Isopropyltoluene | 119 | 9.598 | 9.598 | (0.993) | 399890 | 19.3484 | 19 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.670 | 9.670 | (1.000) | 410479 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.684 | 9.684 | (1.001) | 213884 | 18.5522 | 18 |
| | 110 | Benzyl Chloride | 91 | 9.970 | 9.970 | (1.031) | 202175 | 16.5276 | 16 |
| | 106 | n-Butylbenzene | 91 | 10.028 | 10.028 | (1.037) | 360230 | 19.1906 | 19 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.092 | 10.092 | (1.044) | 199304 | 18.3805 | 18 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.830 | 10.830 | (1.120) | 20853 | 19.3483 | 19 |
| | 113 | Camphor | 95 | 11.611 | 11.611 | (1.201) | 53568 | 84.9514 | 85 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.389 | 11.389 | (1.178) | 145864 | 17.7624 | 18 |
| | 115 | Hexachlorobutadiene | 225 | 11.396 | 11.396 | (1.179) | 59641 | 17.8356 | 18 |
| | 116 | Naphthalene | 128 | 11.632 | 11.632 | (1.203) | 384820 | 18.6439 | 19 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.775 | 11.775 | (1.218) | 134451 | 18.1852 | 18 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 190113 | 37.9006 | 38 |
| M | 121 | Xylene (Total) | 100 | | | | 498008 | 56.7765 | 57 |

Data File: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b/p31269.d
Report Date: 24-Sep-2009 08:13

QC Flag Legend

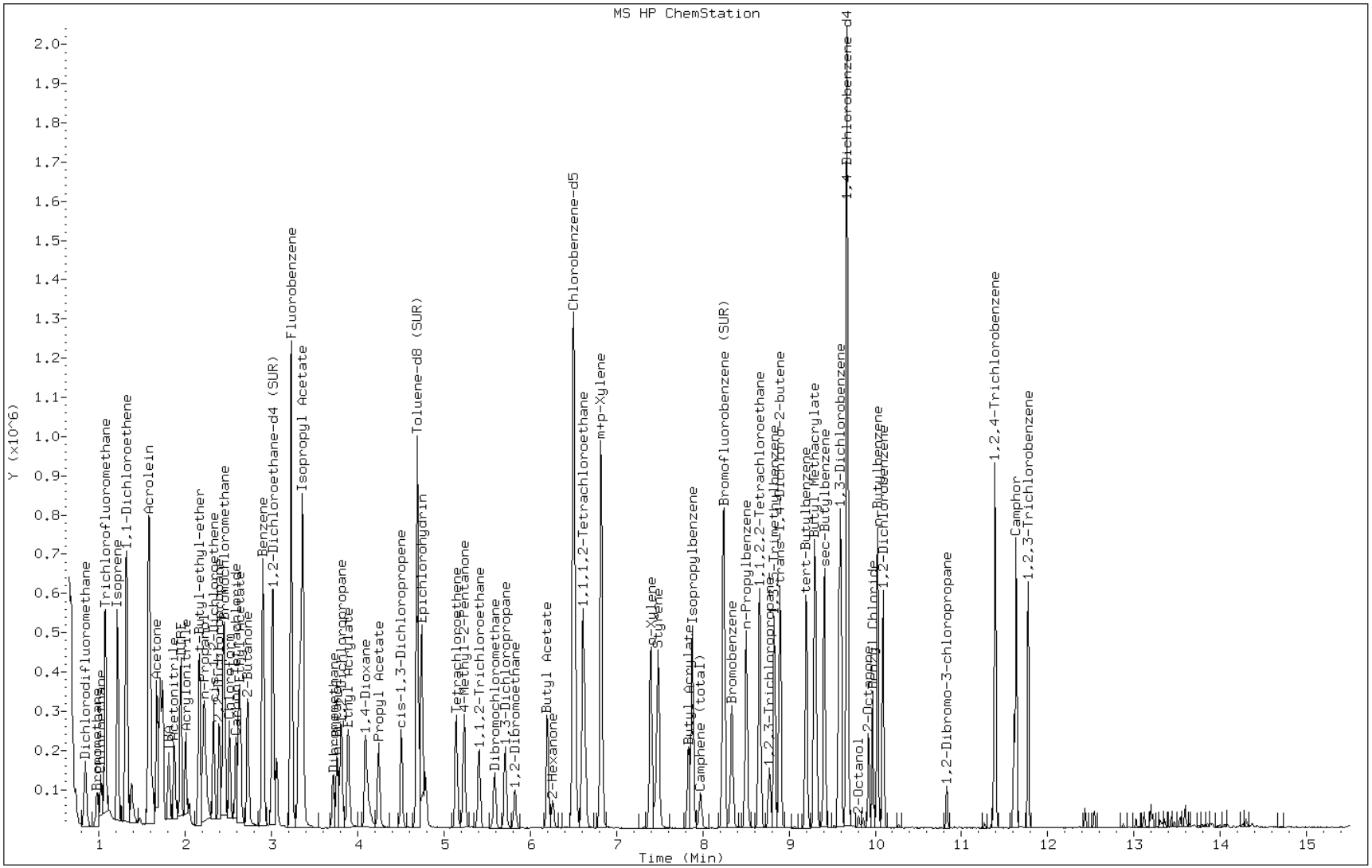
R - Spike/Surrogate failed recovery limits.

Data File: p31269.d

Date: 24-SEP-2009 01:44

Client ID: MB-3 Instrument: VOAMS13.i

Sample Info: 460-5885-A-4 MSD Operator:



TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS13.i

Analytical Batch: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b

Date Generated: 09/17/2009

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# 17263

| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 0802 | p31034.d | 2 | BFB | | 0 | 0 | 1 | all | | 8260 HIGH<br>8260 IS:<br>193769<br>SURR 500:<br>SURR 250:<br>202773<br>GAS 500:<br>200474<br>MIX 1 500:<br>185441<br>MIX 2 500:<br>185455<br>MIX 3:<br>185456<br>AC/AC:<br>185458<br>GAS SP:<br>200475<br>8260 SP:<br>185453<br>MIX 3 SP:<br>185457<br>AC/AC SP:<br>185454<br>MISC:<br>BFB<br>185441<br>Mean:<br>6.32E+6 | |
| 09/17/09 0813 | p31035.d | 1 | IC-VM8CAL1 | | 5 | 0 | 1 | all | | | G |
| 09/17/09 0838 | p31036.d | 2 | IC-VM8CAL1 | | 5 | 0 | 1 | all | | | G |
| 09/17/09 0904 | p31037.d | 3 | IC-VM8CAL2 | | 5 | 0 | 1 | all | | | NG fails |
| 09/17/09 0929 | p31038.d | 4 | IC-VM8CAL2 | | 5 | 0 | 1 | all | | | G |
| 09/17/09 0954 | p31039.d | 5 | ICIS-VM8CAL3 | | 5 | 0 | 1 | all | | | NG fails |
| 09/17/09 1020 | p31040.d | 6 | IC-VM8CAL4 | | 5 | 0 | 1 | all | | | NG fails |
| 09/17/09 1045 | p31041.d | 7 | IC-VM8CAL5 | | 5 | 0 | 1 | all | | | G |
| 09/17/09 1110 | p31042.d | 8 | IC-VM8CAL6 | | 5 | 0 | 1 | all | | | G |
| 09/17/09 1135 | p31043.d | 9 | BLANK | | 5 | 0 | 1 | all | | | G |
| 09/17/09 1201 | p31044.d | 10 | BLANK | | 5 | 0 | 1 | all | | | - |
| 09/17/09 1226 | p31045.d | 11 | ICIS-VM8CAL3 | | 5 | 0 | 1 | all | | | - |
| 09/17/09 1303 | p31046.d | 12 | ICV | | 5 | 0 | 1 | all | | | G |
| 09/17/09 1303 | p31046a. | 12 | LCS | | 5 | 0 | 1 | all | | | G |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS13.i

Analytical Batch: /chem/VOAMS13.i/8260_09/09-17-09/17sep09.b

Date Generated: 09/17/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 1336 | p31047.d | 13 | MB | | 5 | 0 | 1 | all | | | |
| 09/17/09 1402 | p31048.d | 14 | MB | | 5 | 0 | 1 | all | | | NL C10 |
| 09/17/09 1427 | p31049.d | 15 | 460-5738-B-18 | FB091509 | 5 | 0 | 1 | all | | | C |
| 09/17/09 1452 | p31050.d | 16 | 460-5738-B-19 | FB091609 | 5 | 0 | 1 | all | 12 | | C |
| 09/17/09 1517 | p31051.d | 17 | 460-5738-B-20 | TB | 5 | 0 | 1 | all | 12 | | C |
| 09/17/09 1542 | p31052.d | 18 | 460-5604-C-3 | EFFLUENT | 5 | 0 | 1 | all | 12 | | C |
| 09/17/09 1607 | p31053.d | 19 | 460-5604-B-3 MS | EFFLUENT | 5 | 0 | 1 | all | 12 | | C |
| 09/17/09 1633 | p31054.d | 20 | 460-5604-A-3 MSD | EFFLUENT | 5 | 0 | 1 | all | 12 | | C |
| 09/17/09 1658 | p31055.d | 21 | BLANK | | 5 | 0 | 1 | all | 12 | | C |
| 09/17/09 1723 | p31056.d | 22 | 460-5604-B-1 | TB | 5 | 0 | 1 | all | | | — |
| 09/17/09 1748 | p31057.d | 23 | 460-5604-C-2 | INFLUENT | 5 | 0 | 1 | all | 12 | | C |
| 09/17/09 1748 | p31057.d | 23 | 460-5604-C-2 | INFLUENT | 5 | 0 | 1 | all | 12 | | C |

Signed: Eddie Ma for SD Read and Understood by: Ken Lee

Date: 09/17/09 Date: 09/17/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS13.i

Analytical Batch: /chem/VOAMS13.i/8260_09/09-17-09/21sep09a.b

Date Generated: 09/22/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 2152 | p31187.d | 2 | BFB | | 0 | 0 | 1 | all | | 8260 HIGH | G |
| 09/21/09 2213 | p31188.d | 1 | blk | | 5 | 0 | 1 | all | | 8260 IS: 193769 SURR 500: | NG |
| 09/21/09 2239 | p31189.d | 2 | CCVIS | | 5 | 0 | 1 | all | | SURR 250: 202773 GAS 500: 200474 | G |
| 09/21/09 2304 | p31190.d | 3 | LCS | | 5 | 0 | 1 | all | | MIX 1 500: 185541 MIX 2 500: | G |
| 09/21/09 2342 | p31191.d | 4 | MB | | 5 | 0 | 1 | all | | 185455 MIX 3: 185456 AC/AC: | NG |
| 09/22/09 0007 | p31192.d | 5 | MB | | 5 | 0 | 1 | all | | 185458 GAS SP: 200475 | NG |
| 09/22/09 0040 | p31193.d | 6 | MB | | 5 | 0 | 1 | all | | 8260 SP: 185453 | G |
| 09/22/09 0106 | p31194.d | 7 | 460-5693-C-2 | MT91109-GAC1 | 5 | 0 | 1 | all | <2 | MIX 3 SP: 185457 AC/AC SP: 185459 MISC: BFB | G & NU - conf. for p31079 |
| 09/22/09 0131 | p31195.d | 8 | 460-5764-A-16 | TB091606 | 5 | 0 | 1 | all | <2 | 185461 G3LE19 | G |
| 09/22/09 0157 | p31196.d | 9 | 460-5796-B-13 | TB 91709 | 5 | 0 | 1 | all | <2 | CLEOH1 | G |
| 09/22/09 0222 | p31197.d | 10 | 460-5774-C-10 | Trip Blank 091609 | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0248 | p31198.d | 11 | 460-5774-C-2 | MW-8SR | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0800 | p31199.d | 12 | 460-5774-C-2 MS | MW-8SR | 5 | 0 | 1 | all | <2 | | G |
| 09/22/09 0825 | p31200.d | 13 | 460-5774-C-2 MSD | MW-8SR | 5 | 0 | 1 | all | <2 | | G |

Signed: Saumitra Desai for Kenny 09/22/09 Read and Understood by: Saumitra Desai 09/22/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS13.i

Analytical Batch: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b

Date Generated: 09/23/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/23/09 0747 | p31231.d | 2 | BFB | | 0 | 0 | 1 | all | | 8260 HIGH | G |
| 09/23/09 0806 | p31232.d | 1 | CCVIS | | 5 | 0 | 1 | all | | 8260 IS: 193769 SURR 500: | N.U. |
| 09/23/09 0839 | p31233.d | 2 | CCVIS | | 5 | 0 | 1 | all | | SURR 250: 202773 GAS 500: 209846 | G |
| 09/23/09 0916 | p31234.d | 3 | LCS | | 5 | 0 | 1 | all | | MIX 1 500: 185441 MIX 2 500: 185455 | G |
| 09/23/09 0941 | p31235.d | 4 | MB | | 5 | 0 | 1 | all | | MIX 3: 185456 ACIAC: 185458 | N.G c/o |
| 09/23/09 1007 | p31236.d | 5 | MB | | 5 | 0 | 1 | all | | GAS SP: 209847 8260 SP: 185453 | G |
| 09/23/09 1042 | p31237.d | 6 | 460-5618-B-1 | MW-F | 5 | 0 | 1 | all | <2 | MIX 3 SP: 185459 ACIAC SP: 185459 | G |
| 09/23/09 1107 | p31238.d | 7 | 460-5789-A-1-A | | 5 | 0 | 10 | TCLP_DCB | | MISC: | G |
| 09/23/09 1133 | p31239.d | 8 | 460-5737-B-3 | AS-INFLUENT | 5 | 0 | 20 | all | <2 | | G |
| 09/23/09 1158 | p31240.d | 9 | 460-5737-B-3MS | | 5 | 0 | 20 | all | <2 | | G |
| 09/23/09 1224 | p31241.d | 10 | 460-5737-B-3MSD | | 5 | 0 | 20 | all | <2 | | G |
| 09/23/09 1249 | p31242.d | 11 | 460-5789-A-1-AMS | | 5 | 0 | 10 | TCLP_DCB | | | G |
| 09/23/09 1315 | p31243.d | 12 | 460-5789-A-1-AMSD | | 5 | 0 | 10 | TCLP_DCB | | | G |
| 09/23/09 1340 | p31244.d | 13 | LB 460-17556/1-A | | 5 | 0 | 1 | TCLP_DCB | | | G |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS13.i

Analytical Batch: /chem/VOAMS13.i/8260_09/09-17-09/23sep09.b

Date Generated: 09/23/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/23/09 1406 | p31245.d | 14 | 460-5774-B-4 | MW-3S | 5 | 0 | 1 | all | <2 | | G |
| 09/23/09 1431 | p31246.d | 15 | 460-5774-B-5 | MW-30 | 5 | 0 | 1 | all | <2 | | G |
| 09/23/09 1456 | p31247.d | 16 | 460-5774-B-6 | MW-1 | 5 | 0 | 1 | all | <2 | | G |
| 09/23/09 1521 | p31248.d | 17 | 460-5774-B-7 | MW-33 | 5 | 0 | 1 | all | <2 | | G |
| 09/23/09 1547 | p31249.d | 18 | 460-5774-B-8 | MW-28 | 5 | 0 | 1 | all | <2 | | G |
| 09/23/09 1612 | p31250.d | 19 | 460-5774-C-1 | MW-27 | 5 | 0 | 1 | all | <2 | | G |
| 09/23/09 1638 | p31251.d | 20 | 460-5774-C-3 | MW-29 | 5 | 0 | 1 | all | <2 | | NG RR C/O |
| 09/23/09 1703 | p31252.d | 21 | 460-5774-B-9 | DUP-091609 | 5 | 0 | 1 | all | <2 | | G |
| 09/23/09 1728 | p31253.d | 22 | 460-5857-A-1-C | | 5 | 0 | 10 | ~~all~~ KB 9/23/09 TCLP_DCB | | | NG RR1X @7 |
| 09/23/09 1754 | p31254.d | 23 | 460-5858-A-1-C | | 5 | 0 | 10 | TCLP_DCB | | | G |
| 09/23/09 1819 | p31255.d | 24 | 460-5856-A-1-B | | 5 | 0 | 10 | TCLP_DCB | | | G |

Signed: KB for Saurabh Desai Read and Understood by: Ken Boyer

Date: 9/23/09 Date: 9/23/9

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS13.i

Analytical Batch: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b

Date Generated: 09/24/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/23/09 1935 | p31256.d | 2 | BFB | | 0 | 0 | 1 | all | | 8260 HIGH | G |
| 09/23/09 1955 | p31257.d | 1 | CCVIS | | 5 | 0 | 1 | all | | 8260 IS: 193769 SURR 500: | Not used |
| 09/23/09 2021 | p31258.d | 2 | CCVIS | | 5 | 0 | 1 | all | | SURR 250: 202773 GAS 500: 209846 | G |
| 09/23/09 2046 | p31259.d | 3 | LCS | | 5 | 0 | 1 | all | | MIX 1 500: 185461 | G |
| 09/23/09 2112 | p31260.d | 4 | MB | | 5 | 0 | 1 | all | | MIX 2 500: 185455 MIX 3: 185456 | NG |
| 09/23/09 2137 | p31261.d | 5 | MB | | 5 | 0 | 1 | all | | AC/AC: 185458 GAS SP: 209847 | G |
| 09/23/09 2245 | p31262.d | 6 | LB 460-17778/1-A | | 5 | 0 | 10 | TCLP_DCB | | 8260 SP: 185453 | G |
| 09/23/09 2311 | p31263.d | 7 | 460-5840-A-15-C | | 5 | 0 | 10 | TCLP_DCB | | MIX 3 SP: 185457 AC/AC SP: 185459 | G |
| 09/23/09 2336 | p31264.d | 8 | 460-5840-B-16-A | | 5 | 0 | 10 | TCLP_DCB | | MISC: BFB 185461 | G |
| 09/24/09 0002 | p31265.d | 9 | 460-5840-B-17-A | | 5 | 0 | 10 | TCLP_DCB | | G3LE19 CHECK4 | G |
| 09/24/09 0027 | p31266.d | 10 | 460-5840-B-17-AMS | | 5 | 0 | 10 | TCLP_DCB | | | G |
| 09/24/09 0053 | p31267.d | 11 | 460-5840-B-17-AMSD | | 5 | 0 | 10 | TCLP_DCB | | | G |
| 09/24/09 0118 | p31268.d | 12 | 460-5885-A-4 MS | MB-3 | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0144 | p31269.d | 13 | 460-5885-A-4 MSD | MB-3 | 5 | 0 | 1 | all | <2 | | G |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS13.i

Analytical Batch: /chem/VOAMS13.i/8260_09/09-17-09/23sep09a.b

Date Generated: 09/24/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/24/09 0209 | p31270.d | 14 | BLK | | 5 | 0 | 1 | all | | | NG |
| 09/24/09 0235 | p31271.d | 15 | 460-5885-C-4 | MB-3 | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0300 | p31272.d | 16 | 460-5885-A-13 | TB-1-091709 | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0325 | p31273.d | 17 | 460-5774-B-3 | MW-29 | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0351 | p31274.d | 18 | 460-5885-A-1 | VP-1 | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0417 | p31275.d | 19 | 460-5885-A-2 | VP-2 | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0442 | p31276.d | 20 | 460-5885-A-3 | VP-3 | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0508 | p31277.d | 21 | 460-5885-A-5 | MW-7S | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0533 | p31278.d | 22 | 460-5885-A-6 | MW-7SD | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0559 | p31279.d | 23 | 460-5885-A-7 | EB-1-091709 | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0624 | p31280.d | 24 | 460-5885-C-8 | MW-4 | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0649 | p31281.d | 25 | 460-5885-B-9 | IW-8 | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0715 | p31282.d | 26 | 460-5885-B-10 | OSMW-3 | 5 | 0 | 1 | all | <2 | | G |
| 09/24/09 0740 | p31283.d | 27 | 460-5885-A-11 | OSMW-2 | 5 | 0 | 1 | all | | | NG. out of clock |

Signed: Samantha Reese for Kenny 09/24/09 Read and Understood by: Samantha Reese 09/24/09

# GC/MS SEMI VOA

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-5MS ID: 0.25 (mm)

| Client Sample ID | Lab Sample ID | 2FP | # | PHL | # | NBZ | # | FBP | # | TBP | # | TPH | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-27 | 460-5774-1 | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D |
| MW-8SR | 460-5774-2 | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D |
| MW-29 | 460-5774-3 | 47 | | 31 | | 90 | | 94 | | 95 | | 99 | |
| MW-3S | 460-5774-4 | 50 | | 33 | | 92 | | 92 | | 85 | | 98 | |
| MW-30 | 460-5774-5 | 46 | | 32 | | 87 | | 88 | | 92 | | 100 | |
| MW-1 | 460-5774-6 | 48 | | 32 | | 91 | | 90 | | 88 | | 101 | |
| MW-33 | 460-5774-7 | 38 | | 26 | | 74 | | 77 | | 76 | | 86 | |
| MW-28 | 460-5774-8 | 46 | | 29 | | 90 | | 90 | | 87 | | 95 | |
| DUP-091609 | 460-5774-9 | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D |
| | MB 460-17400/1-A | 53 | | 39 | | 79 | | 77 | | 73 | | 82 | |
| | LCS 460-17400/2-A | 54 | | 41 | | 85 | | 87 | | 82 | | 86 | |
| MW-8SR MS | 460-5774-2 MS | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D |
| MW-8SR MSD | 460-5774-2 MSD | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D | 0 | D |

| | QC LIMITS |
|---|---|
| 2FP = 2-Fluorophenol | 15-57 |
| PHL = Phenol-d5 | 10-41 |
| NBZ = Nitrobenzene-d5 | 69-120 |
| FBP = 2-Fluorobiphenyl | 64-119 |
| TBP = 2,4,6-Tribromophenol | 69-127 |
| TPH = Terphenyl-d14 | 38-141 |

# Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z3987.d

Lab ID: LCS 460-17400/2-A Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Aniline | 100 | 68.4 | 68 | 45-90 | |
| n,n'-Dimethylaniline | 100 | 73.7 | 74 | 50-109 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z4020.d

Lab ID: 460-5774-2 MS Client ID: MW-8SR MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Aniline | 100 | 4000 | 3540 | -416 | 45-90 | 4 |
| n,n'-Dimethylaniline | 100 | 20 U | 88.6 | 89 | 50-109 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z4043.d

Lab ID: 460-5774-2 MSD Client ID: MW-8SR MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Aniline | 100 | 3570 | -386 | 1 | 30 | 45-90 | 4 |
| n,n'-Dimethylaniline | 100 | 102 | 102 | 14 | 30 | 50-109 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: z4019.d Lab Sample ID: MB 460-17400/1-A

Matrix: Water Date Extracted: 09/18/2009 20:49

Instrument ID: BNAMS11 Date Analyzed: 09/21/2009 07:54

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| MW-29 | 460-5774-3 | z3975.d | 09/19/2009 17:25 |
| MW-3S | 460-5774-4 | z3976.d | 09/19/2009 17:49 |
| MW-30 | 460-5774-5 | z3977.d | 09/19/2009 18:13 |
| MW-1 | 460-5774-6 | z3978.d | 09/19/2009 18:38 |
| MW-33 | 460-5774-7 | z3979.d | 09/19/2009 19:02 |
| MW-28 | 460-5774-8 | z3980.d | 09/19/2009 19:26 |
| | LCS 460-17400/2-A | z3987.d | 09/20/2009 05:53 |
| MW-8SR | 460-5774-2 | z3988.d | 09/20/2009 06:17 |
| MW-27 | 460-5774-1 | z3991.d | 09/20/2009 07:29 |
| MW-8SR MS | 460-5774-2 MS | z4020.d | 09/21/2009 08:19 |
| DUP-091609 | 460-5774-9 | z4028.d | 09/21/2009 11:35 |
| MW-8SR MSD | 460-5774-2 MSD | z4043.d | 09/21/2009 22:09 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: z3791.d DFTPP Injection Date: 09/14/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 08:55

Analysis Batch No.: 17124

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 44.0 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 39.2 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 48.4 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.4 | |
| 275 | 10.0 - 30.0 % of mass 198 | 21.9 | |
| 365 | Greater than 1.0 % of mass 198 | 2.5 | |
| 441 | Present but less than mass 443 | 10.4 | |
| 442 | Greater than 40.0 % of mass 198 | 72.2 | |
| 443 | 17.0 - 23.0 % of mass 442 | 14.4 | (19.9)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | ICIS 460-17124/2 | z3793.d | 09/14/2009 | 09:46 |
| | IC 460-17124/3 | z3794.d | 09/14/2009 | 10:20 |
| | IC 460-17124/4 | z3795.d | 09/14/2009 | 10:44 |
| | IC 460-17124/5 | z3796.d | 09/14/2009 | 11:09 |
| | IC 460-17124/6 | z3797.d | 09/14/2009 | 11:33 |
| | IC 460-17124/7 | z3799.d | 09/14/2009 | 12:48 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: z3967.d DFTPP Injection Date: 09/19/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 12:32

Analysis Batch No.: 17609

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 39.7 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 38.0 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 49.6 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.4 | |
| 275 | 10.0 - 30.0 % of mass 198 | 25.7 | |
| 365 | Greater than 1.0 % of mass 198 | 2.2 | |
| 441 | Present but less than mass 443 | 12.5 | |
| 442 | Greater than 40.0 % of mass 198 | 87.2 | |
| 443 | 17.0 - 23.0 % of mass 442 | 16.4 | (18.8)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17609/2 | z3968.d | 09/19/2009 | 12:52 |
| MW-29 | 460-5774-3 | z3975.d | 09/19/2009 | 17:25 |
| MW-3S | 460-5774-4 | z3976.d | 09/19/2009 | 17:49 |
| MW-30 | 460-5774-5 | z3977.d | 09/19/2009 | 18:13 |
| MW-1 | 460-5774-6 | z3978.d | 09/19/2009 | 18:38 |
| MW-33 | 460-5774-7 | z3979.d | 09/19/2009 | 19:02 |
| MW-28 | 460-5774-8 | z3980.d | 09/19/2009 | 19:26 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: z3984.d DFTPP Injection Date: 09/20/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 04:17

Analysis Batch No.: 17486

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 39.4 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 38.0 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 48.6 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.3 | |
| 275 | 10.0 - 30.0 % of mass 198 | 24.4 | |
| 365 | Greater than 1.0 % of mass 198 | 2.2 | |
| 441 | Present but less than mass 443 | 11.7 | |
| 442 | Greater than 40.0 % of mass 198 | 85.0 | |
| 443 | 17.0 - 23.0 % of mass 442 | 15.6 | (18.3)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17486/2 | z3985.d | 09/20/2009 | 04:34 |
| | LCS 460-17400/2-A | z3987.d | 09/20/2009 | 05:53 |
| MW-8SR | 460-5774-2 | z3988.d | 09/20/2009 | 06:17 |
| MW-27 | 460-5774-1 | z3991.d | 09/20/2009 | 07:29 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: z4009.d DFTPP Injection Date: 09/21/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 00:31

Analysis Batch No.: 17499

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 39.4 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 37.5 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 48.9 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.4 | |
| 275 | 10.0 - 30.0 % of mass 198 | 26.0 | |
| 365 | Greater than 1.0 % of mass 198 | 2.6 | |
| 441 | Present but less than mass 443 | 12.4 | |
| 442 | Greater than 40.0 % of mass 198 | 90.1 | |
| 443 | 17.0 - 23.0 % of mass 442 | 17.3 | (19.2)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | ICIS 460-17499/2 | z4010.d | 09/21/2009 | 01:32 |
| | IC 460-17499/3 | z4011.d | 09/21/2009 | 02:22 |
| | IC 460-17499/4 | z4012.d | 09/21/2009 | 02:46 |
| | IC 460-17499/5 | z4013.d | 09/21/2009 | 03:10 |
| | IC 460-17499/6 | z4014.d | 09/21/2009 | 03:34 |
| | IC 460-17499/7 | z4015.d | 09/21/2009 | 03:58 |
| | MB 460-17400/1-A | z4019.d | 09/21/2009 | 07:54 |
| MW-8SR MS | 460-5774-2 MS | z4020.d | 09/21/2009 | 08:19 |
| DUP-091609 | 460-5774-9 | z4028.d | 09/21/2009 | 11:35 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab File ID: z4034.d DFTPP Injection Date: 09/21/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 15:33

Analysis Batch No.: 17531

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 41.6 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 39.3 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 50.6 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.4 | |
| 275 | 10.0 - 30.0 % of mass 198 | 24.6 | |
| 365 | Greater than 1.0 % of mass 198 | 3.1 | |
| 441 | Present but less than mass 443 | 11.3 | |
| 442 | Greater than 40.0 % of mass 198 | 79.3 | |
| 443 | 17.0 - 23.0 % of mass 442 | 15.2 | (19.2)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17531/2 | z4035.d | 09/21/2009 | 15:48 |
| MW-8SR MSD | 460-5774-2 MSD | z4043.d | 09/21/2009 | 22:09 |

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Sample No.: CCVIS 460-17609/2 Date Analyzed: 09/19/2009 12:52

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z3968.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 310415 | 4.37 | 1043123 | 5.65 | 457396 | 7.40 |
| UPPER LIMIT | | 620830 | 4.87 | 2086246 | 6.15 | 914792 | 7.90 |
| LOWER LIMIT | | 155208 | 3.87 | 521562 | 5.15 | 228698 | 6.90 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| 460-5774-3 | MW-29 | 369097 | 4.37 | 1276725 | 5.65 | 578530 | 7.39 |
| 460-5774-4 | MW-3S | 334845 | 4.37 | 1137475 | 5.65 | 507840 | 7.39 |
| 460-5774-5 | MW-30 | 345987 | 4.37 | 1193125 | 5.64 | 554095 | 7.39 |
| 460-5774-6 | MW-1 | 354908 | 4.37 | 1213644 | 5.64 | 569899 | 7.39 |
| 460-5774-7 | MW-33 | 403354 | 4.37 | 1429914 | 5.65 | 666870 | 7.39 |
| 460-5774-8 | MW-28 | 333718 | 4.36 | 1114285 | 5.63 | 504869 | 7.39 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Sample No.: CCVIS 460-17609/2 Date Analyzed: 09/19/2009 12:52

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z3968.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 581603 | 8.86 | 336683 | 11.63 | 223337 | 13.55 |
| UPPER LIMIT | | 1163206 | 9.36 | 673366 | 12.13 | 446674 | 14.05 |
| LOWER LIMIT | | 290802 | 8.36 | 168342 | 11.13 | 111669 | 13.05 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| 460-5774-3 | MW-29 | 713397 | 8.85 | 410606 | 11.62 | 280852 | 13.54 |
| 460-5774-4 | MW-3S | 631146 | 8.85 | 371500 | 11.62 | 252755 | 13.54 |
| 460-5774-5 | MW-30 | 707625 | 8.85 | 419260 | 11.62 | 282268 | 13.55 |
| 460-5774-6 | MW-1 | 734171 | 8.85 | 431275 | 11.62 | 279787 | 13.54 |
| 460-5774-7 | MW-33 | 828720 | 8.85 | 459406 | 11.62 | 309270 | 13.54 |
| 460-5774-8 | MW-28 | 631243 | 8.85 | 376999 | 11.62 | 254848 | 13.56 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Sample No.: CCVIS 460-17486/2 Date Analyzed: 09/20/2009 04:34

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z3985.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 313057 | 4.41 | 1084114 | 5.69 | 517642 | 7.45 |
| UPPER LIMIT | | 626114 | 4.91 | 2168228 | 6.19 | 1035284 | 7.95 |
| LOWER LIMIT | | 156529 | 3.91 | 542057 | 5.19 | 258821 | 6.95 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17400/2-A | | 477002 | 4.41 | 1734362 | 5.69 | 808915 | 7.45 |
| 460-5774-2 | MW-8SR | 396682 | 4.40 | 1478253 | 5.69 | 717604 | 7.45 |
| 460-5774-1 | MW-27 | 399883 | 4.40 | 1460668 | 5.69 | 705791 | 7.45 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Sample No.: CCVIS 460-17486/2 Date Analyzed: 09/20/2009 04:34

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z3985.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 646631 | 8.92 | 343420 | 11.70 | 231005 | 13.63 |
| UPPER LIMIT | | 1293262 | 9.42 | 686840 | 12.20 | 462010 | 14.13 |
| LOWER LIMIT | | 323316 | 8.42 | 171710 | 11.20 | 115503 | 13.13 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17400/2-A | | 965066 | 8.92 | 515099 | 11.70 | 340600 | 13.63 |
| 460-5774-2 | MW-8SR | 908515 | 8.91 | 432657 | 11.69 | 257003 | 13.63 |
| 460-5774-1 | MW-27 | 904352 | 8.91 | 447378 | 11.69 | 264886 | 13.62 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Sample No.: ICIS 460-17499/2 Date Analyzed: 09/21/2009 01:32

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4010.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| INITIAL CALIBRATION MID-POINT | | 305592 | 4.37 | 1052231 | 5.65 | 484646 | 7.40 |
| UPPER LIMIT | | 611184 | 4.87 | 2104462 | 6.15 | 969292 | 7.90 |
| LOWER LIMIT | | 152796 | 3.87 | 526116 | 5.15 | 242323 | 6.90 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 460-17400/1-A | | 508526 | 4.36 | 1817772 | 5.65 | 851022 | 7.40 |
| 460-5774-9 | DUP-091609 | 414549 | 4.36 | 1500980 | 5.65 | 724980 | 7.40 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Sample No.: ICIS 460-17499/2 Date Analyzed: 09/21/2009 01:32

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4010.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| INITIAL CALIBRATION MID-POINT | | 592573 | 8.87 | 297279 | 11.63 | 196937 | 13.55 |
| UPPER LIMIT | | 1185146 | 9.37 | 594558 | 12.13 | 393874 | 14.05 |
| LOWER LIMIT | | 296287 | 8.37 | 148640 | 11.13 | 98469 | 13.05 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 460-17400/1-A | | 1119471 | 8.86 | 589164 | 11.63 | 361462 | 13.54 |
| 460-5774-9 | DUP-091609 | 899037 | 8.86 | 412075 | 11.63 | 250445 | 13.55 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Sample No.: CCVIS 460-17531/2 Date Analyzed: 09/21/2009 15:48

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4035.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 445771 | 4.33 | 1511794 | 5.61 | 668050 | 7.36 |
| UPPER LIMIT | | 891542 | 4.83 | 3023588 | 6.11 | 1336100 | 7.86 |
| LOWER LIMIT | | 222886 | 3.83 | 755897 | 5.11 | 334025 | 6.86 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| 460-5774-2 MSD | MW-8SR MSD | 439809 | 4.32 | 1587295 | 5.60 | 760401 | 7.36 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Sample No.: CCVIS 460-17531/2 Date Analyzed: 09/21/2009 15:48

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4035.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 797963 | 8.83 | 456386 | 11.59 | 300882 | 13.49 |
| UPPER LIMIT | | 1595926 | 9.33 | 912772 | 12.09 | 601764 | 13.99 |
| LOWER LIMIT | | 398982 | 8.33 | 228193 | 11.09 | 150441 | 12.99 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| 460-5774-2 MSD | MW-8SR MSD | 975787 | 8.82 | 521140 | 11.58 | 316150 | 13.49 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-27 | Lab Sample ID: 460-5774-1

Matrix: Water | Lab File ID: z3991.d

Analysis Method: 8270C | Date Collected: 09/16/2009 14:45

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/20/2009 07:29

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17486 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 2100 | | 50 | 17 |
| 121-69-7 | n,n'-Dimethylaniline | 10 | U | 10 | 2.7 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 0 | 64-119 | D |
| 367-12-4 | 2-Fluorophenol | 0 | 15-57 | D |
| 4165-60-0 | Nitrobenzene-d5 | 0 | 69-120 | D |
| 4165-62-2 | Phenol-d5 | 0 | 10-41 | D |
| 1718-51-0 | Terphenyl-d14 | 0 | 38-141 | D |
| 118-79-6 | 2,4,6-Tribromophenol | 0 | 69-127 | D |

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3991.d
Report Date: 21-Sep-2009 11:53

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3991.d
Lab Smp Id: 460-5774-H-1-A  Client Smp ID: MW-27
Inj Date  : 20-SEP-2009 07:29
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5774-H-1-A
Misc Info : 460-5774-H-1-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/20sep09.b/8270C_08SP.m
Meth Date : 20-Sep-2009 05:35 asfawa  Quant Type: ISTD
Cal Date  : 20-SEP-2009 04:34  Cal File: z3985.d
Als bottle: 8
Dil Factor: 10.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 10.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 73 Aniline | 93 | 4.087 | 4.081 | (0.928) | 2082891 | 104.418 | 2100 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.404 | 4.410 | (1.000) | 399883 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.575 | 4.581 | (1.039) | 2297 | 0.14927 | 3.0(a) |
| * 80 Naphthalene-d8 | 136 | 5.687 | 5.693 | (1.000) | 1460668 | 40.0000 | |
| 31 Naphthalene | 128 | 5.704 | 5.716 | (1.003) | 4212 | 0.10816 | 2.2(a) |
| 32 4-Chloroaniline | 127 | 5.757 | 5.769 | (1.012) | 62271 | 4.12953 | 82(a) |
| 120 1-Methylnaphthalene | 142 | 6.498 | 6.510 | (1.143) | 2348 | 0.10450 | 2.1(a) |
| * 82 Acenaphthene-d10 | 164 | 7.445 | 7.445 | (1.000) | 705791 | 40.0000 | |
| 42 Acenaphthene | 154 | 7.469 | 7.481 | (1.003) | 2031 | 0.10743 | 2.1(a) |
| * 83 Phenanthrene-d10 | 188 | 8.910 | 8.916 | (1.000) | 904352 | 40.0000 | |
| * 81 Chrysene-d12 | 240 | 11.686 | 11.698 | (1.000) | 447378 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.621 | 13.627 | (1.000) | 264886 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3991.d
Report Date: 21-Sep-2009 11:53

QC Flag Legend

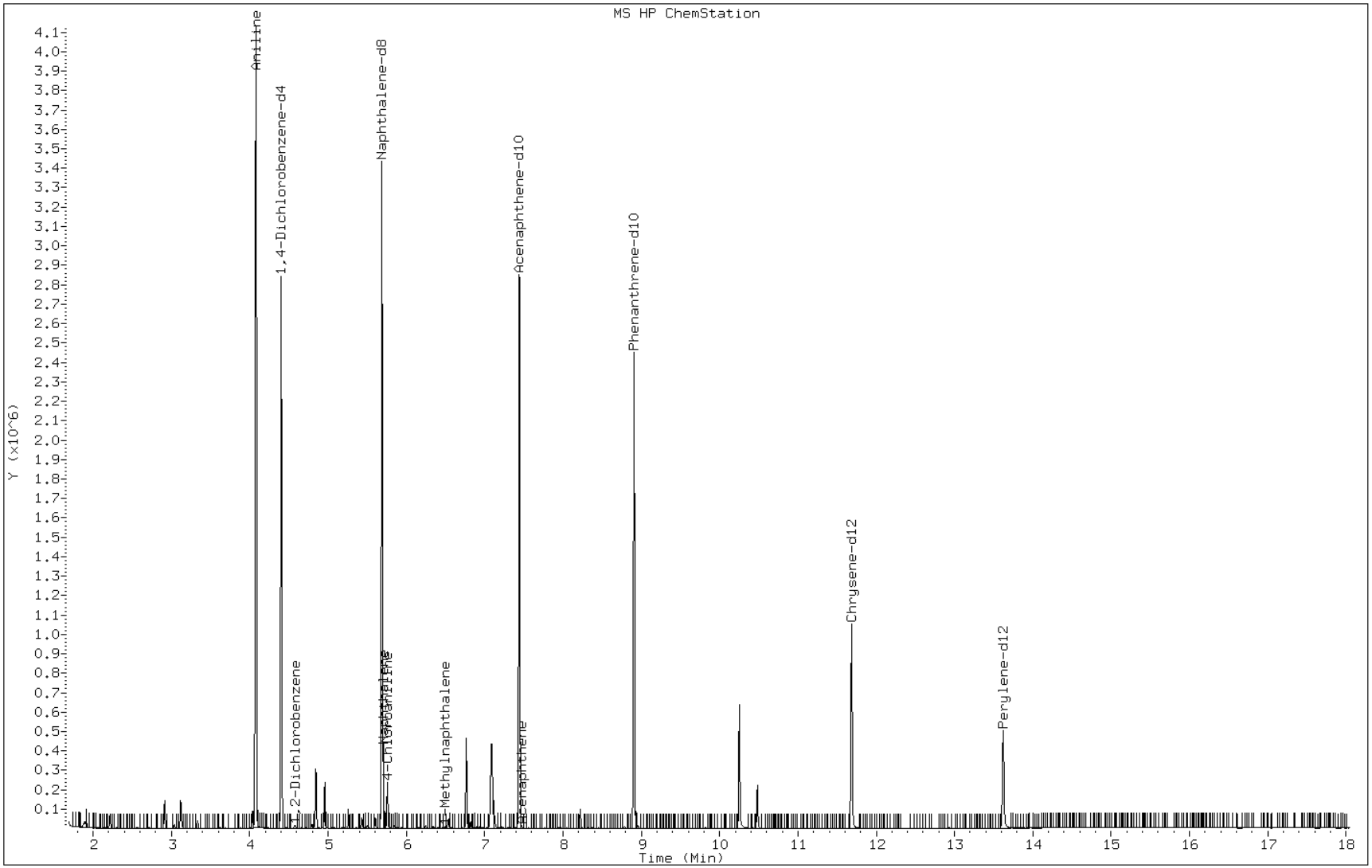
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z3991.d

Date: 20-SEP-2009 07:29

Client ID: MW-27 Instrument: BNAMS11.i

Sample Info: 460-5774-H-1-A Operator: BNAMS 4



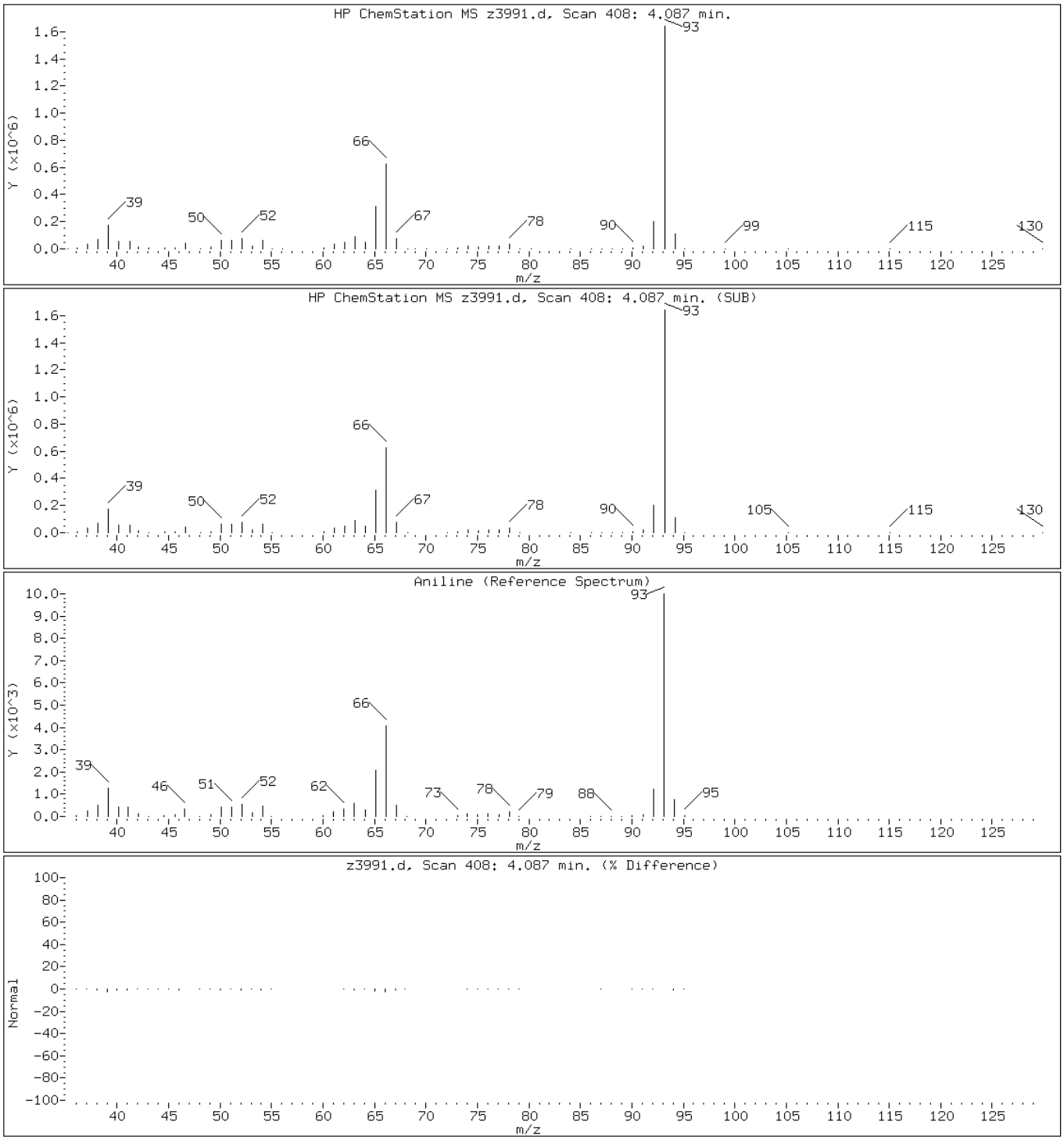
Data File: z3991.d

Date: 20-SEP-2009 07:29

Client ID: MW-27 Instrument: BNAMS11.i

Sample Info: 460-5774-H-1-A Operator: BNAMS 4

73 Aniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-8SR | Lab Sample ID: 460-5774-2

Matrix: Water | Lab File ID: z3988.d

Analysis Method: 8270C | Date Collected: 09/16/2009 12:40

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/20/2009 06:17

Con. Extract Vol.: 2(mL) | Dilution Factor: 20

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17486 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 4000 | | 100 | 35 |
| 121-69-7 | n,n'-Dimethylaniline | 20 | U | 20 | 5.4 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 0 | 64-119 | D |
| 367-12-4 | 2-Fluorophenol | 0 | 15-57 | D |
| 4165-60-0 | Nitrobenzene-d5 | 0 | 69-120 | D |
| 4165-62-2 | Phenol-d5 | 0 | 10-41 | D |
| 1718-51-0 | Terphenyl-d14 | 0 | 38-141 | D |
| 118-79-6 | 2,4,6-Tribromophenol | 0 | 69-127 | D |

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3988.d
Report Date: 21-Sep-2009 03:38

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3988.d
Lab Smp Id: 460-5774-H-2-C  Client Smp ID: MW-8SR
Inj Date  : 20-SEP-2009 06:17
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5774-H-2-C
Misc Info : 460-5774-H-2-C
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/20sep09.b/8270C_08SP.m
Meth Date : 20-Sep-2009 05:35 asfawa  Quant Type: ISTD
Cal Date  : 20-SEP-2009 04:34  Cal File: z3985.d
Als bottle: 5
Dil Factor: 20.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 20.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 73 Aniline | 93 | 4.087 | 4.081 | (0.928) | 1955918 | 98.8442 | 4000 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.404 | 4.410 | (1.000) | 396682 | 40.0000 | |
| * 80 Naphthalene-d8 | 136 | 5.687 | 5.693 | (1.000) | 1478253 | 40.0000 | |
| 31 Naphthalene | 128 | 5.704 | 5.716 | (1.003) | 25040 | 0.63533 | 25(a) |
| 32 4-Chloroaniline | 127 | 5.763 | 5.769 | (1.013) | 38218 | 2.50430 | 100(a) |
| 34 2-Methylnaphthalene | 142 | 6.404 | 6.410 | (1.126) | 19201 | 0.80627 | 32(a) |
| 120 1-Methylnaphthalene | 142 | 6.498 | 6.510 | (1.143) | 33442 | 1.47060 | 59(a) |
| 102 Diphenyl | 154 | 6.869 | 6.875 | (0.923) | 3570 | 0.12960 | 5.2(a) |
| * 82 Acenaphthene-d10 | 164 | 7.445 | 7.445 | (1.000) | 717604 | 40.0000 | |
| 42 Acenaphthene | 154 | 7.469 | 7.481 | (1.003) | 3578 | 0.18615 | 7.4(a) |
| * 83 Phenanthrene-d10 | 188 | 8.910 | 8.916 | (1.000) | 908515 | 40.0000 | |
| * 81 Chrysene-d12 | 240 | 11.692 | 11.698 | (1.000) | 432657 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.627 | 13.627 | (1.000) | 257003 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3988.d
Report Date: 21-Sep-2009 03:38

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z3988.d

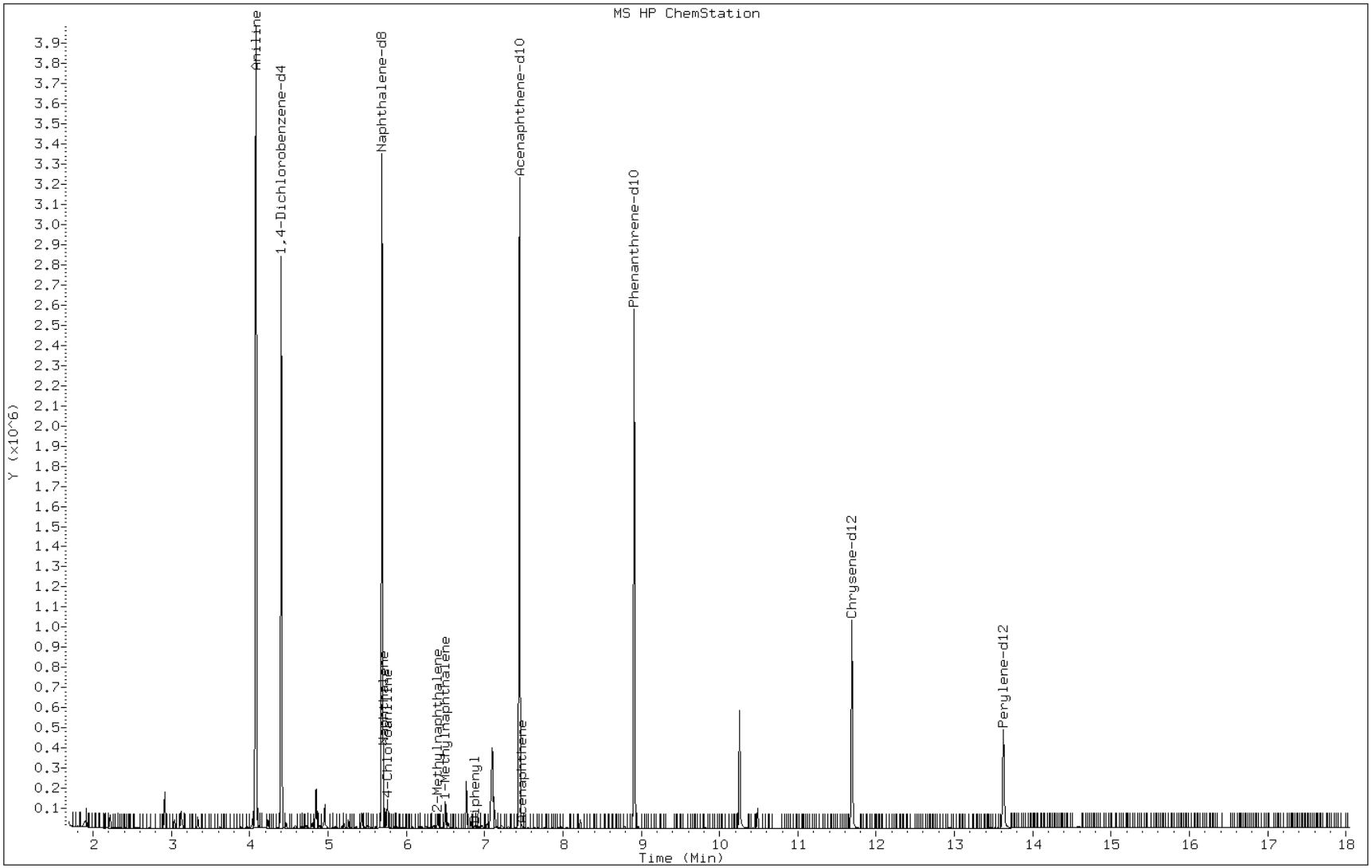
Date: 20-SEP-2009 06:17

Client ID: MW-8SR

Instrument: BNAMS11.i

Sample Info: 460-5774-H-2-C

Operator: BNAMS 4



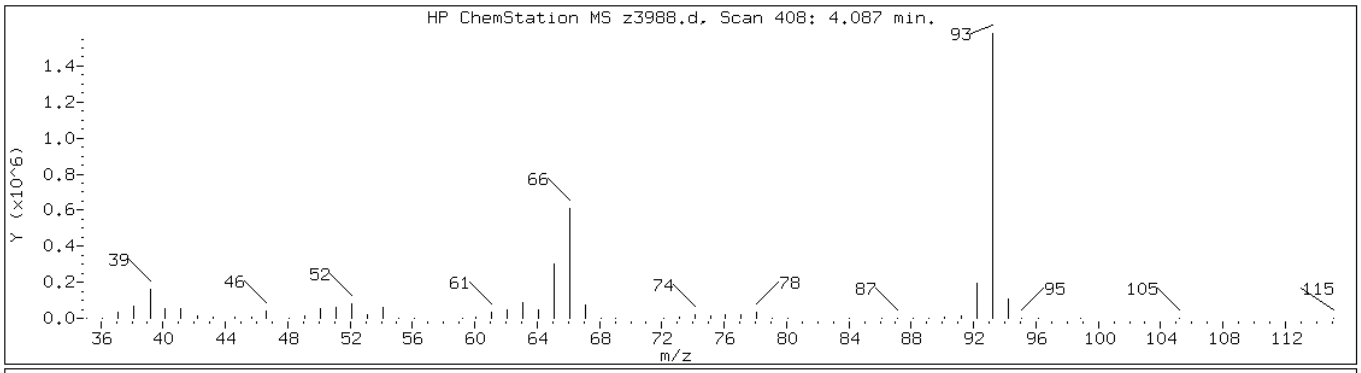
Data File: z3988.d

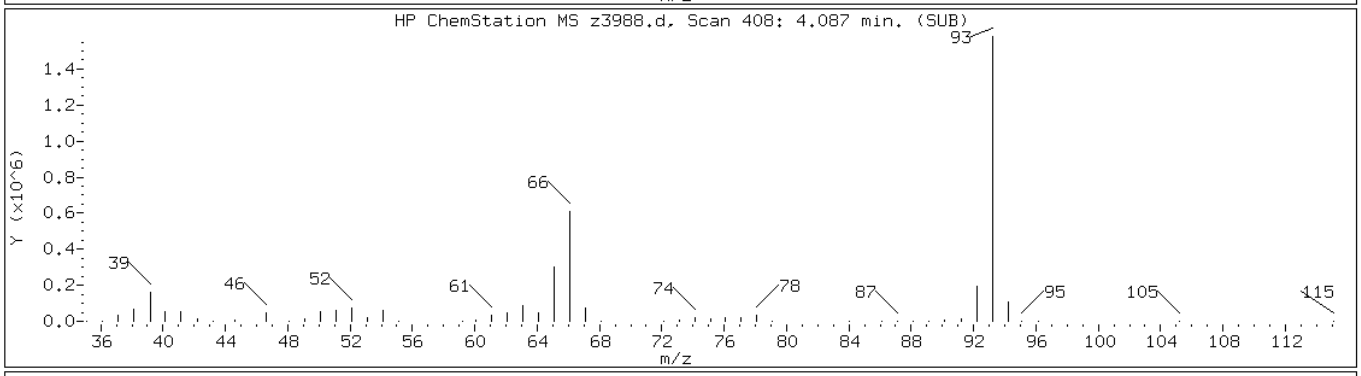
Date: 20-SEP-2009 06:17

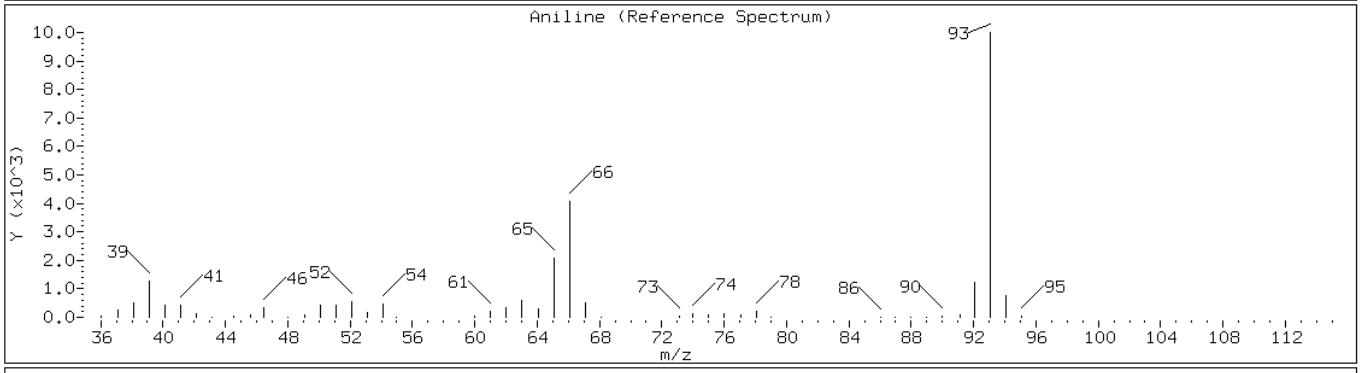
Client ID: MW-8SR Instrument: BNAMS11.i

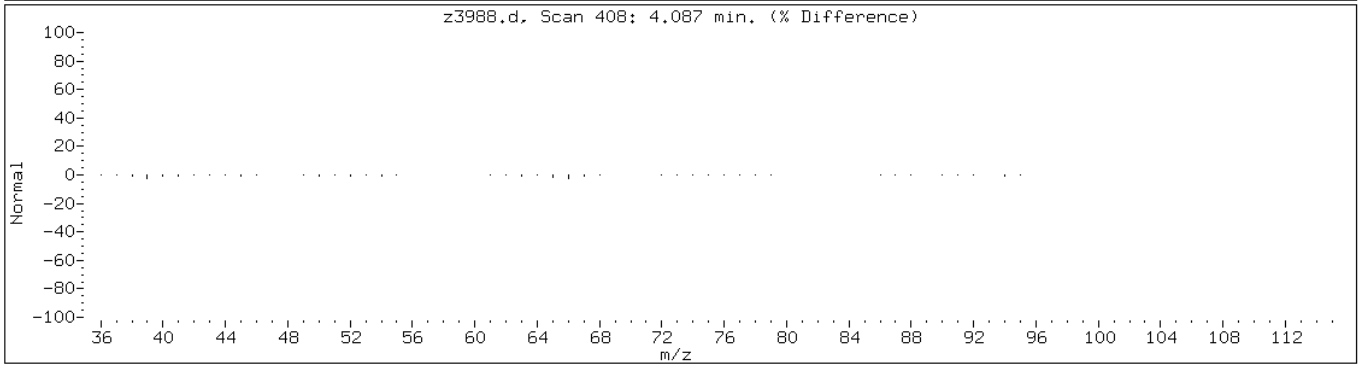
Sample Info: 460-5774-H-2-C Operator: BNAMS 4

73 Aniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-29 | Lab Sample ID: 460-5774-3

Matrix: Water | Lab File ID: z3975.d

Analysis Method: 8270C | Date Collected: 09/16/2009 11:55

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/19/2009 17:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17609 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 0.29 | J | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 94 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 47 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 90 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 31 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 99 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 95 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3975.d
Report Date: 22-Sep-2009 12:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3975.d
Lab Smp Id: 460-5774-H-3-A  Client Smp ID: MW-29
Inj Date  : 19-SEP-2009 17:25
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5774-H-3-A
Misc Info : 460-5774-H-3-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/8270C_08SP.m
Meth Date : 19-Sep-2009 13:35 asfawa  Quant Type: ISTD
Cal Date  : 19-SEP-2009 12:52  Cal File: z3968.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.104 | 3.104 | (0.711) | 293916 | 23.6433 | 47 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.998 | 4.016 | (0.915) | 203215 | 15.5111 | 31 |
| | 73 Aniline | 93 | 4.040 | 4.051 | (0.925) | 3987 | 0.22240 | 0.44(a) |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.375 | (1.000) | 369097 | 40.0000 | |
| | 23 1,2-Dichlorobenzene | 146 | 4.540 | 4.546 | (1.039) | 2250 | 0.15960 | 0.32(a) |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.922 | 4.934 | (0.872) | 543423 | 44.9223 | 90 |
| | 107 N,N-Dimethylaniline | 120 | 4.940 | 4.957 | (1.131) | 2596 | 0.14536 | 0.29(a) |
| * | 80 Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1276725 | 40.0000 | |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.722 | 6.728 | (0.910) | 937949 | 46.8323 | 94 |
| * | 82 Acenaphthene-d10 | 164 | 7.386 | 7.398 | (1.000) | 578530 | 40.0000 | |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.163 | 8.175 | (1.105) | 92707 | 47.4781 | 95 |
| * | 83 Phenanthrene-d10 | 188 | 8.851 | 8.857 | (1.000) | 713397 | 40.0000 | |
| | 54 Carbazole | 167 | 9.075 | 9.086 | (1.025) | 3464 | 0.20871 | 0.42(a) |
| $ | 78 Terphenyl-d14 | 244 | 10.422 | 10.428 | (0.897) | 541805 | 49.7416 | 99 |
| * | 81 Chrysene-d12 | 240 | 11.621 | 11.633 | (1.000) | 410606 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3975.d
Report Date: 22-Sep-2009 12:28

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| * 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 280852 | 40.0000 | |

QC Flag Legend

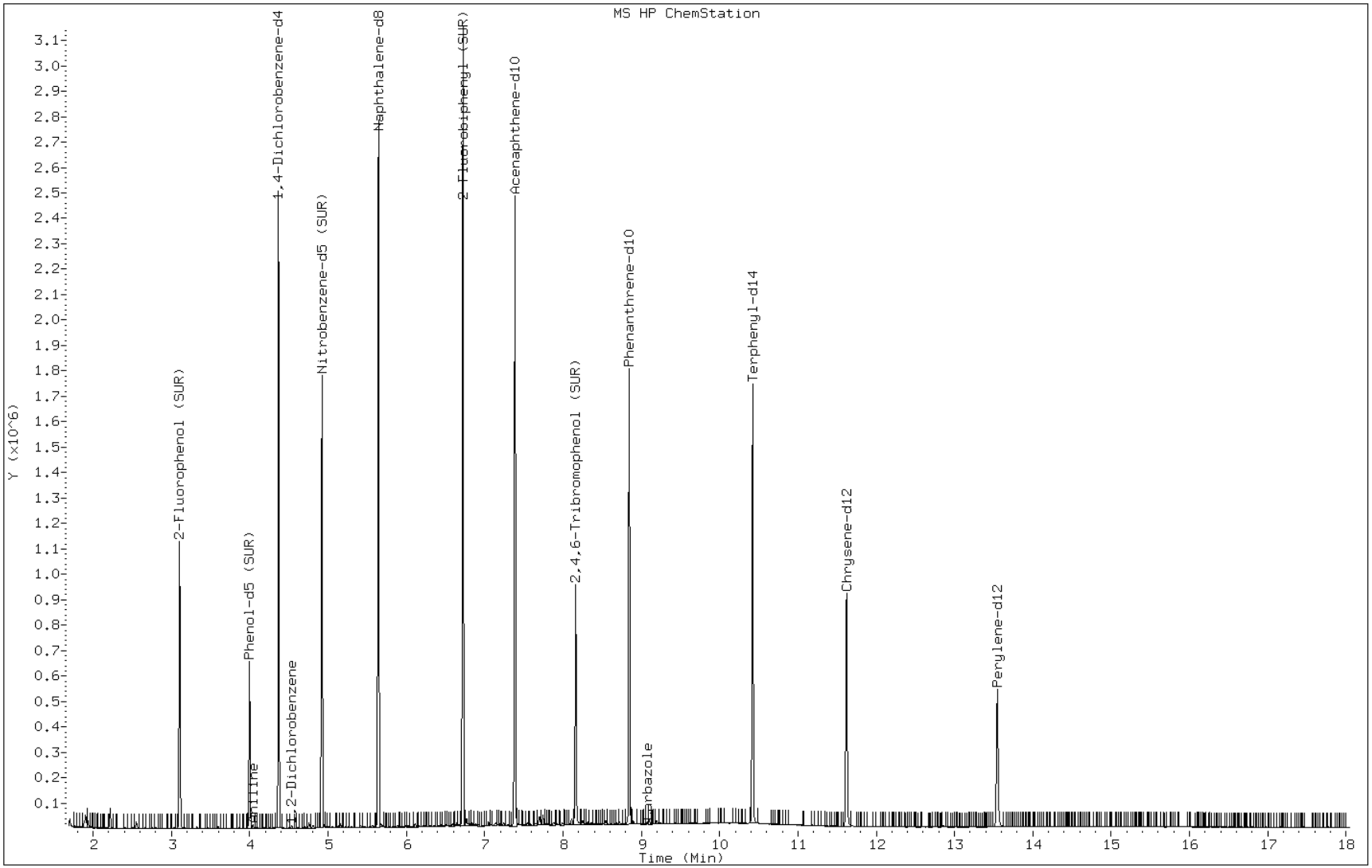
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: z3975.d

Date: 19-SEP-2009 17:25

Client ID: MW-29 Instrument: BNAMS11.i

Sample Info: 460-5774-H-3-A Operator: BNAMS 4



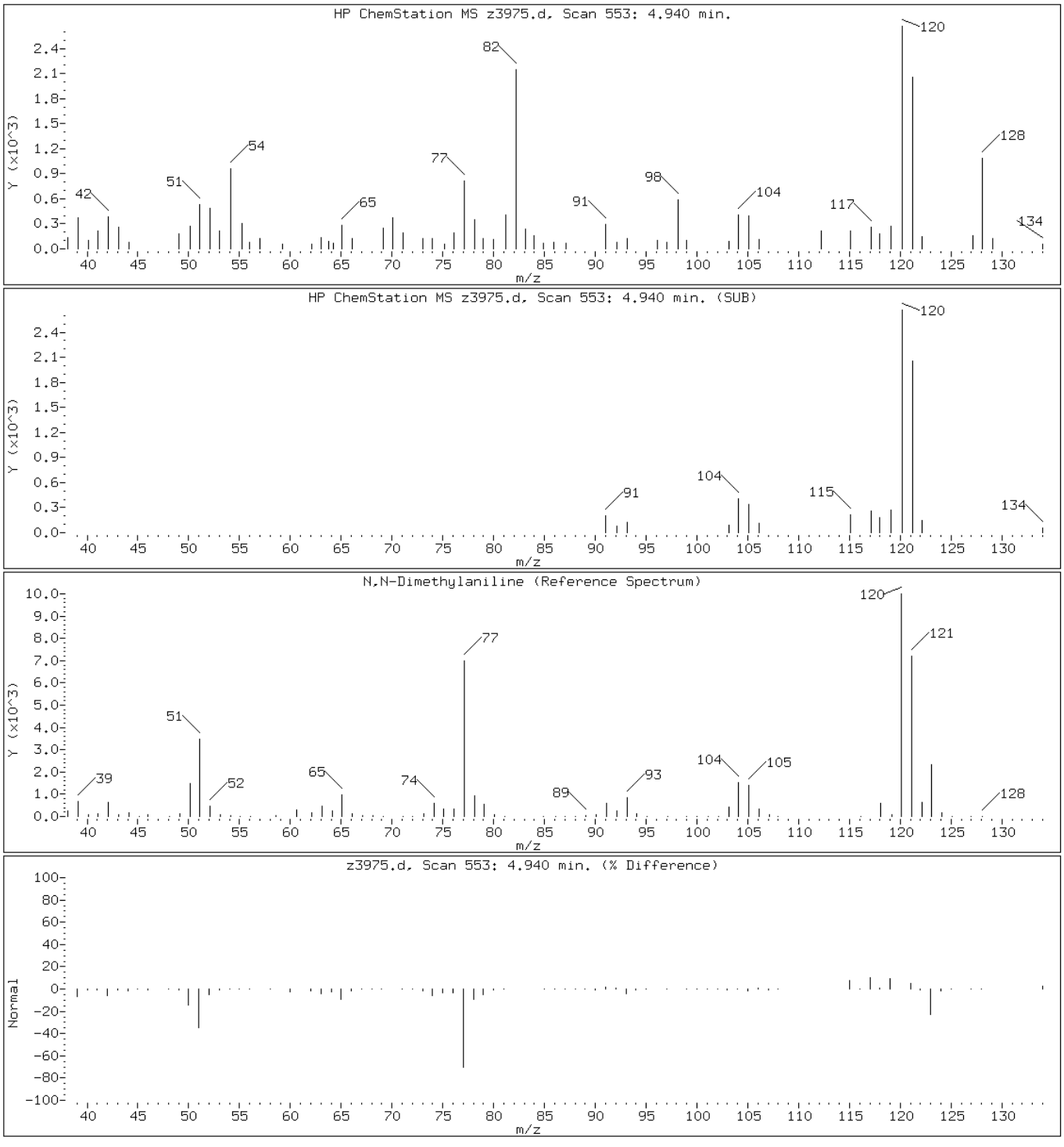
Data File: z3975.d

Date: 19-SEP-2009 17:25

Client ID: MW-29 Instrument: BNAMS11.i

Sample Info: 460-5774-H-3-A Operator: BNAMS 4

107 N,N-Dimethylaniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-3S | Lab Sample ID: 460-5774-4

Matrix: Water | Lab File ID: z3976.d

Analysis Method: 8270C | Date Collected: 09/16/2009 11:10

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/19/2009 17:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17609 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 92 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 50 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 92 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 33 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 98 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 85 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3976.d
Report Date: 20-Sep-2009 04:56

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3976.d
Lab Smp Id: 460-5774-H-4-A  Client Smp ID: MW-3S
Inj Date  : 19-SEP-2009 17:49
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5774-H-4-A
Misc Info : 460-5774-H-4-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/8270C_08SP.m
Meth Date : 19-Sep-2009 13:35 asfawa  Quant Type: ISTD
Cal Date  : 19-SEP-2009 12:52  Cal File: z3968.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.104 | 3.104 | (0.711) | 280257 | 24.8507 | 50 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.998 | 4.016 | (0.915) | 194038 | 16.3257 | 33 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.375 | (1.000) | 334845 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.540 | 4.546 | (1.039) | 2420 | 0.18922 | 0.38(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.922 | 4.934 | (0.872) | 497211 | 46.1339 | 92 |
| * 80 Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1137475 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.722 | 6.728 | (0.910) | 812686 | 46.2261 | 92 |
| * 82 Acenaphthene-d10 | 164 | 7.386 | 7.398 | (1.000) | 507840 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.163 | 8.175 | (1.105) | 72461 | 42.2751 | 84 |
| * 83 Phenanthrene-d10 | 188 | 8.845 | 8.857 | (1.000) | 631146 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.422 | 10.428 | (0.897) | 480814 | 48.7888 | 98 |
| * 81 Chrysene-d12 | 240 | 11.616 | 11.633 | (1.000) | 371500 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 252755 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3976.d
Report Date: 20-Sep-2009 04:56

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z3976.d

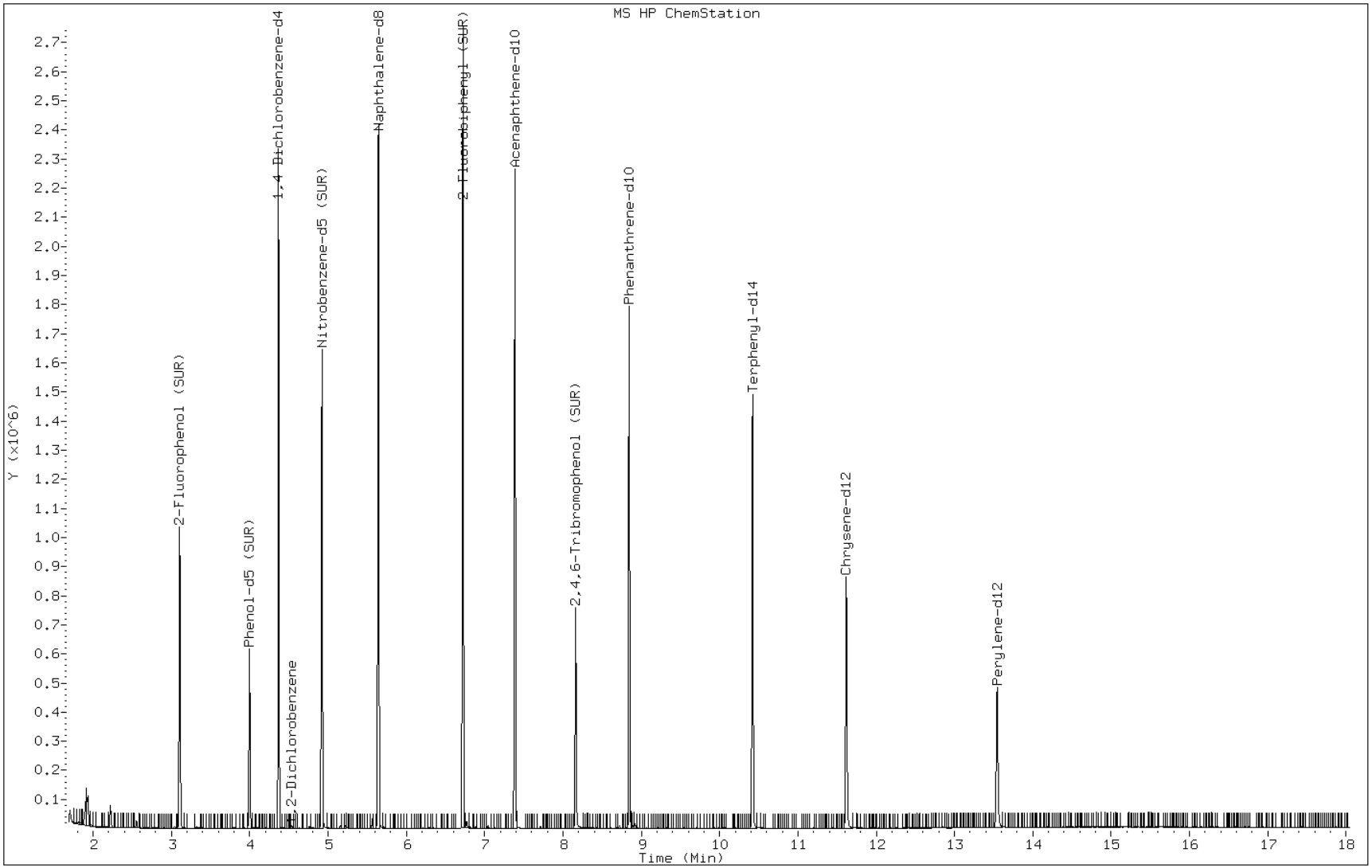
Date: 19-SEP-2009 17:49

Client ID: MW-3S

Instrument: BNAMS11.i

Sample Info: 460-5774-H-4-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-30 | Lab Sample ID: 460-5774-5

Matrix: Water | Lab File ID: z3977.d

Analysis Method: 8270C | Date Collected: 09/16/2009 14:10

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/19/2009 18:13

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17609 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 21 | | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 88 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 46 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 87 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 32 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 100 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 92 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3977.d
Report Date: 22-Sep-2009 12:29

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3977.d
Lab Smp Id: 460-5774-H-5-A  Client Smp ID: MW-30
Inj Date  : 19-SEP-2009 18:13
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5774-H-5-A
Misc Info : 460-5774-H-5-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/8270C_08SP.m
Meth Date : 19-Sep-2009 13:35 asfawa  Quant Type: ISTD
Cal Date  : 19-SEP-2009 12:52  Cal File: z3968.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.105 | 3.104 | (0.711) | 270028 | 23.1726 | 46 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.999 | 4.016 | (0.915) | 198156 | 16.1352 | 32 |
| 73 Aniline | 93 | 4.040 | 4.051 | (0.925) | 172926 | 10.2902 | 20 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.375 | (1.000) | 345987 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.540 | 4.546 | (1.039) | 2018 | 0.15270 | 0.30(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.922 | 4.934 | (0.873) | 490272 | 43.3683 | 87 |
| * 80 Naphthalene-d8 | 136 | 5.640 | 5.651 | (1.000) | 1193125 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.722 | 6.728 | (0.910) | 847206 | 44.1669 | 88 |
| * 82 Acenaphthene-d10 | 164 | 7.387 | 7.398 | (1.000) | 554095 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.163 | 8.175 | (1.105) | 86271 | 46.1304 | 92 |
| * 83 Phenanthrene-d10 | 188 | 8.845 | 8.857 | (1.000) | 707625 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.422 | 10.428 | (0.897) | 556829 | 50.0657 | 100 |
| * 81 Chrysene-d12 | 240 | 11.616 | 11.633 | (1.000) | 419260 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 282268 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3977.d
Report Date: 22-Sep-2009 12:29

QC Flag Legend

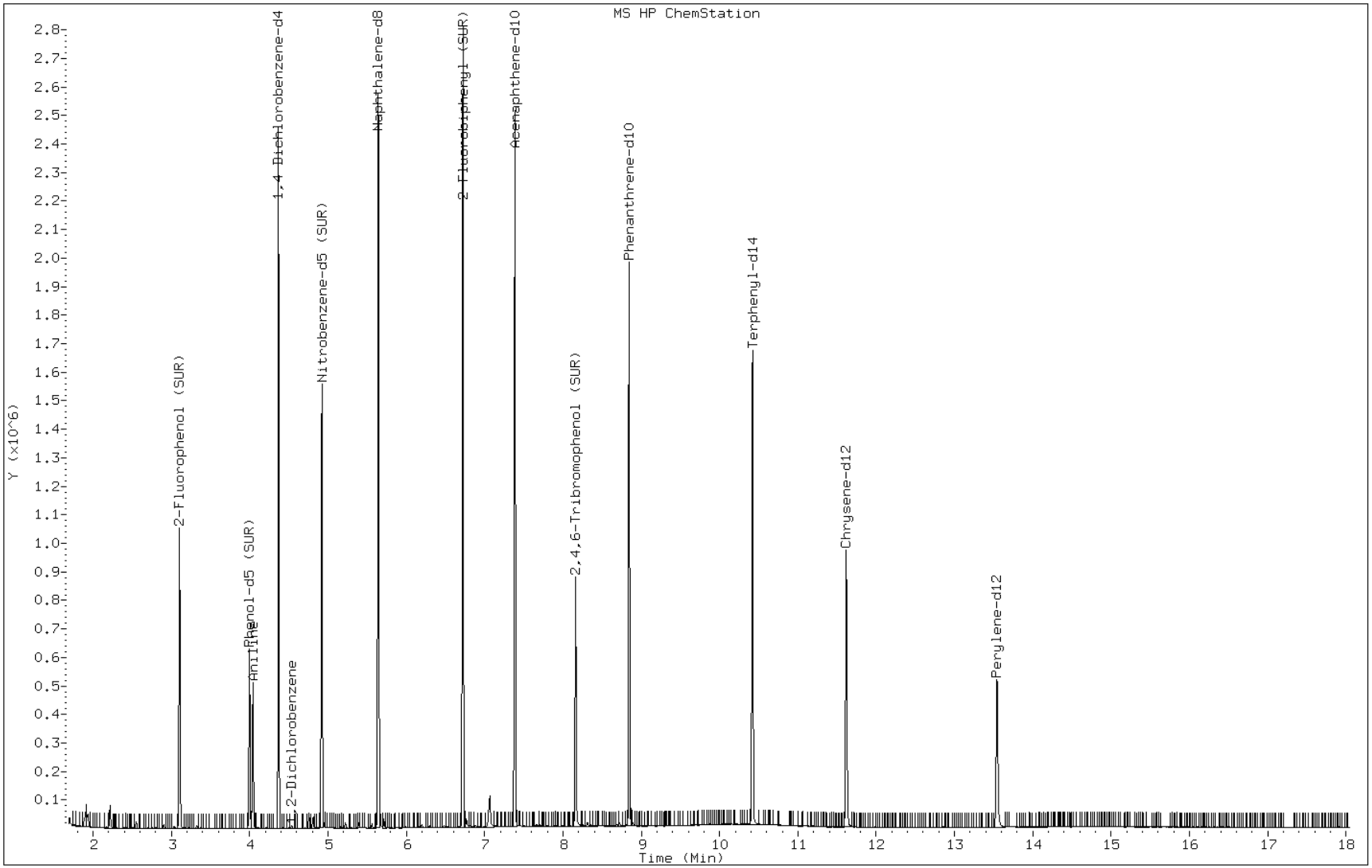
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z3977.d

Date: 19-SEP-2009 18:13

Client ID: MW-30 Instrument: BNAMS11.i

Sample Info: 460-5774-H-5-A Operator: BNAMS 4



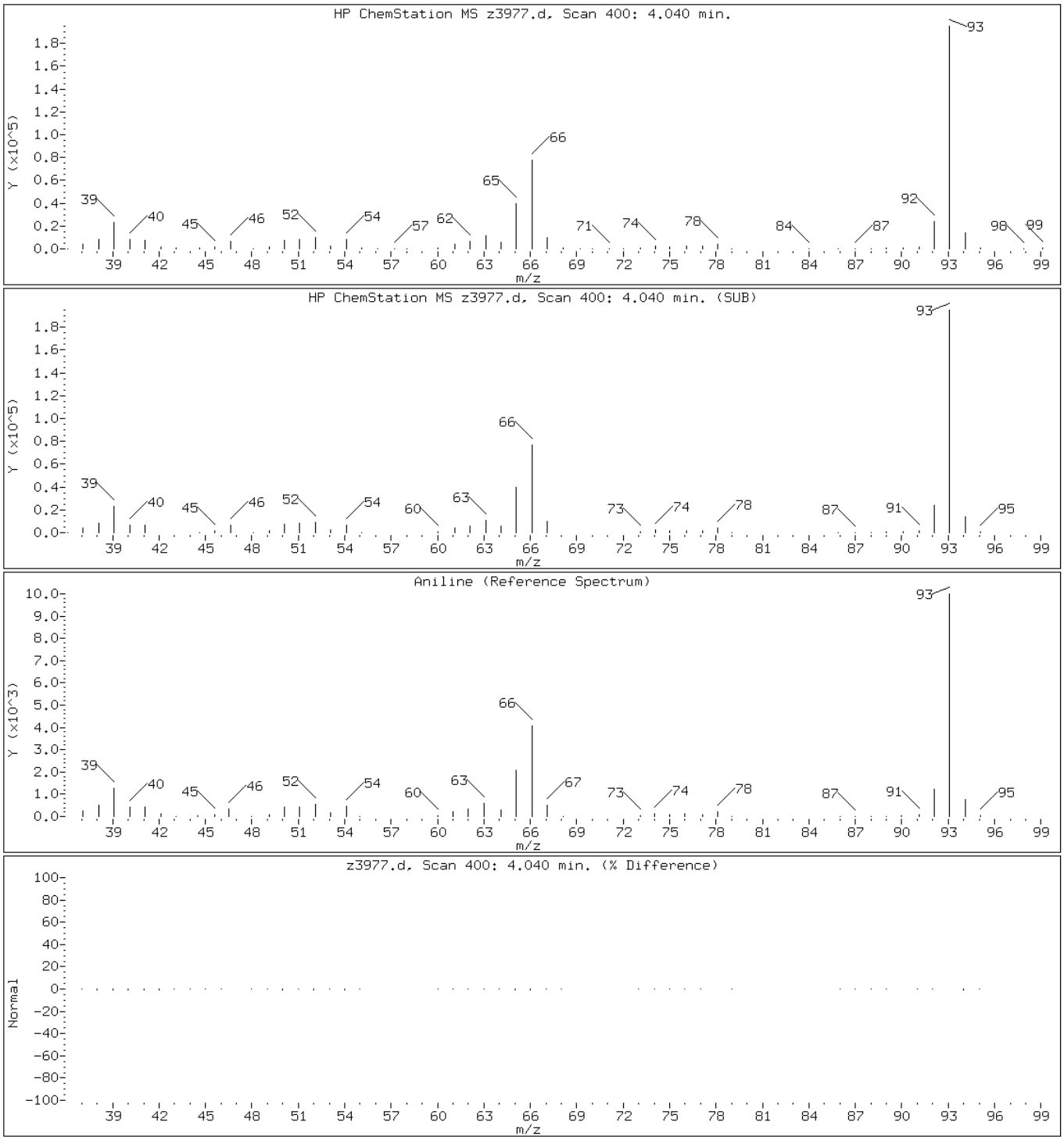
Data File: z3977.d

Date: 19-SEP-2009 18:13

Client ID: MW-30 Instrument: BNAMS11.i

Sample Info: 460-5774-H-5-A Operator: BNAMS 4

73 Aniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 460-5774-6

Matrix: Water | Lab File ID: z3978.d

Analysis Method: 8270C | Date Collected: 09/16/2009 09:45

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/19/2009 18:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17609 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 90 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 48 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 91 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 32 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 101 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 88 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3978.d
Report Date: 22-Sep-2009 12:29

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3978.d
Lab Smp Id: 460-5774-H-6-A  Client Smp ID: MW-1
Inj Date  : 19-SEP-2009 18:38
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5774-H-6-A
Misc Info : 460-5774-H-6-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/8270C_08SP.m
Meth Date : 19-Sep-2009 13:35 asfawa  Quant Type: ISTD
Cal Date  : 19-SEP-2009 12:52  Cal File: z3968.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.104 | 3.104 | (0.711) | 288079 | 24.1002 | 48 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.998 | 4.016 | (0.915) | 202948 | 16.1101 | 32 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.375 | (1.000) | 354908 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.540 | 4.546 | (1.039) | 2164 | 0.15964 | 0.32(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.922 | 4.934 | (0.873) | 521493 | 45.3501 | 91 |
| * 80 Naphthalene-d8 | 136 | 5.639 | 5.651 | (1.000) | 1213644 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.722 | 6.728 | (0.910) | 891130 | 45.1684 | 90 |
| * 82 Acenaphthene-d10 | 164 | 7.386 | 7.398 | (1.000) | 569899 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.163 | 8.175 | (1.105) | 84929 | 44.1535 | 88 |
| * 83 Phenanthrene-d10 | 188 | 8.845 | 8.857 | (1.000) | 734171 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.421 | 10.428 | (0.897) | 577873 | 50.5103 | 100 |
| * 81 Chrysene-d12 | 240 | 11.616 | 11.633 | (1.000) | 431275 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 279787 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3978.d
Report Date: 22-Sep-2009 12:29

QC Flag Legend

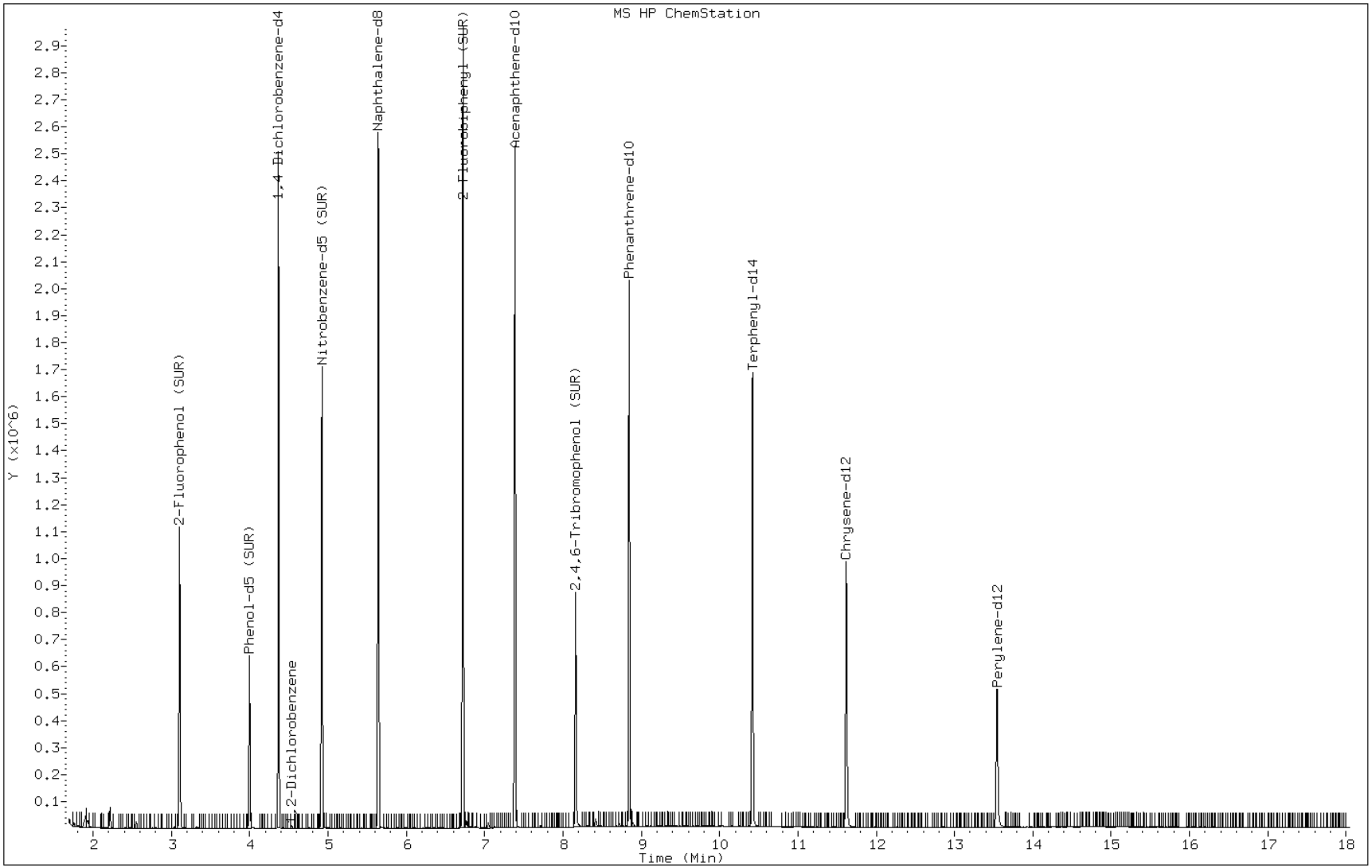
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z3978.d

Date: 19-SEP-2009 18:38

Client ID: MW-1 Instrument: BNAMS11.i

Sample Info: 460-5774-H-6-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-33 | Lab Sample ID: 460-5774-7

Matrix: Water | Lab File ID: z3979.d

Analysis Method: 8270C | Date Collected: 09/16/2009 09:40

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/19/2009 19:02

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17609 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 77 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 38 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 74 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 26 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 86 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 76 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3979.d
Report Date: 20-Sep-2009 04:59

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3979.d
Lab Smp Id: 460-5774-H-7-A  Client Smp ID: MW-33
Inj Date  : 19-SEP-2009 19:02
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5774-H-7-A
Misc Info : 460-5774-H-7-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/8270C_08SP.m
Meth Date : 19-Sep-2009 13:35 asfawa  Quant Type: ISTD
Cal Date  : 19-SEP-2009 12:52  Cal File: z3968.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.104 | 3.104 | (0.711) | 261121 | 19.2212 | 38 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.998 | 4.016 | (0.915) | 184496 | 12.8863 | 26 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.375 | (1.000) | 403354 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.539 | 4.546 | (1.039) | 2288 | 0.14851 | 0.30(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.922 | 4.934 | (0.872) | 503101 | 37.1336 | 74 |
| * 80 Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1429914 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.722 | 6.728 | (0.910) | 886218 | 38.3876 | 77 |
| * 82 Acenaphthene-d10 | 164 | 7.386 | 7.398 | (1.000) | 666870 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.163 | 8.175 | (1.105) | 85256 | 37.8783 | 76 |
| * 83 Phenanthrene-d10 | 188 | 8.845 | 8.857 | (1.000) | 828720 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.421 | 10.428 | (0.897) | 523300 | 42.9394 | 86 |
| * 81 Chrysene-d12 | 240 | 11.616 | 11.633 | (1.000) | 459406 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 309270 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3979.d
Report Date: 20-Sep-2009 04:59

QC Flag Legend

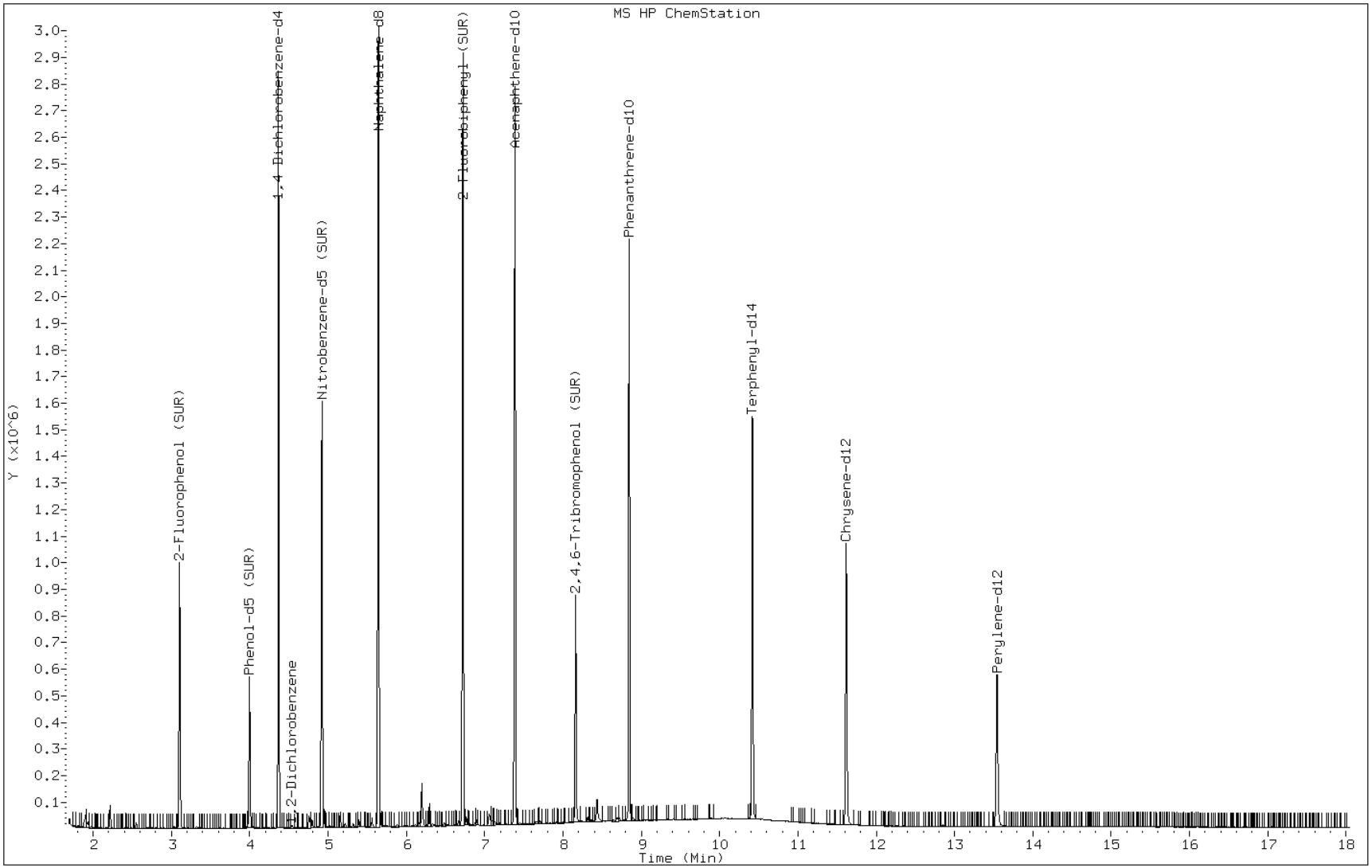
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z3979.d

Date: 19-SEP-2009 19:02

Client ID: MW-33 Instrument: BNAMS11.i

Sample Info: 460-5774-H-7-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-28 | Lab Sample ID: 460-5774-8

Matrix: Water | Lab File ID: z3980.d

Analysis Method: 8270C | Date Collected: 09/16/2009 15:55

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/19/2009 19:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17609 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 6.7 | | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 90 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 46 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 90 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 29 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 95 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 87 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3980.d
Report Date: 20-Sep-2009 05:01

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3980.d
Lab Smp Id: 460-5774-H-8-A  Client Smp ID: MW-28
Inj Date  : 19-SEP-2009 19:26
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5774-H-8-A
Misc Info : 460-5774-H-8-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/8270C_08SP.m
Meth Date : 19-Sep-2009 13:35 asfawa  Quant Type: ISTD
Cal Date  : 19-SEP-2009 12:52  Cal File: z3968.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.099 | 3.104 | (0.710) | 258781 | 23.0239 | 46 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.993 | 4.016 | (0.915) | 173636 | 14.6585 | 29 |
| 73 Aniline | 93 | 4.034 | 4.051 | (0.924) | 54359 | 3.35364 | 6.7(a) |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.375 | (1.000) | 333718 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.546 | (1.039) | 2677 | 0.21002 | 0.42(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.934 | (0.873) | 472514 | 44.7548 | 90 |
| * 80 Naphthalene-d8 | 136 | 5.634 | 5.651 | (1.000) | 1114285 | 40.0000 | |
| 31 Naphthalene | 128 | 5.657 | 5.675 | (1.004) | 3550 | 0.12087 | 0.24(a) |
| 120 1-Methylnaphthalene | 142 | 6.445 | 6.463 | (1.144) | 1819 | 0.11083 | 0.22(a) |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.716 | 6.728 | (0.909) | 785539 | 44.9449 | 90 |
| * 82 Acenaphthene-d10 | 164 | 7.386 | 7.398 | (1.000) | 504869 | 40.0000 | |
| 42 Acenaphthene | 154 | 7.416 | 7.428 | (1.004) | 85286 | 6.16193 | 12 |
| 47 Fluorene | 166 | 7.922 | 7.934 | (1.072) | 17670 | 1.18731 | 2.4(a) |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.163 | 8.175 | (1.105) | 73896 | 43.3660 | 87 |
| * 83 Phenanthrene-d10 | 188 | 8.845 | 8.857 | (1.000) | 631243 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3980.d
Report Date: 20-Sep-2009 05:01

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 78 Terphenyl-d14 | 244 | 10.422 | 10.428 | (0.897) | 475178 | 47.5136 | 95 |
| * 81 Chrysene-d12 | 240 | 11.621 | 11.633 | (1.000) | 376999 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.557 | 13.551 | (1.000) | 254848 | 40.0000 | |

QC Flag Legend

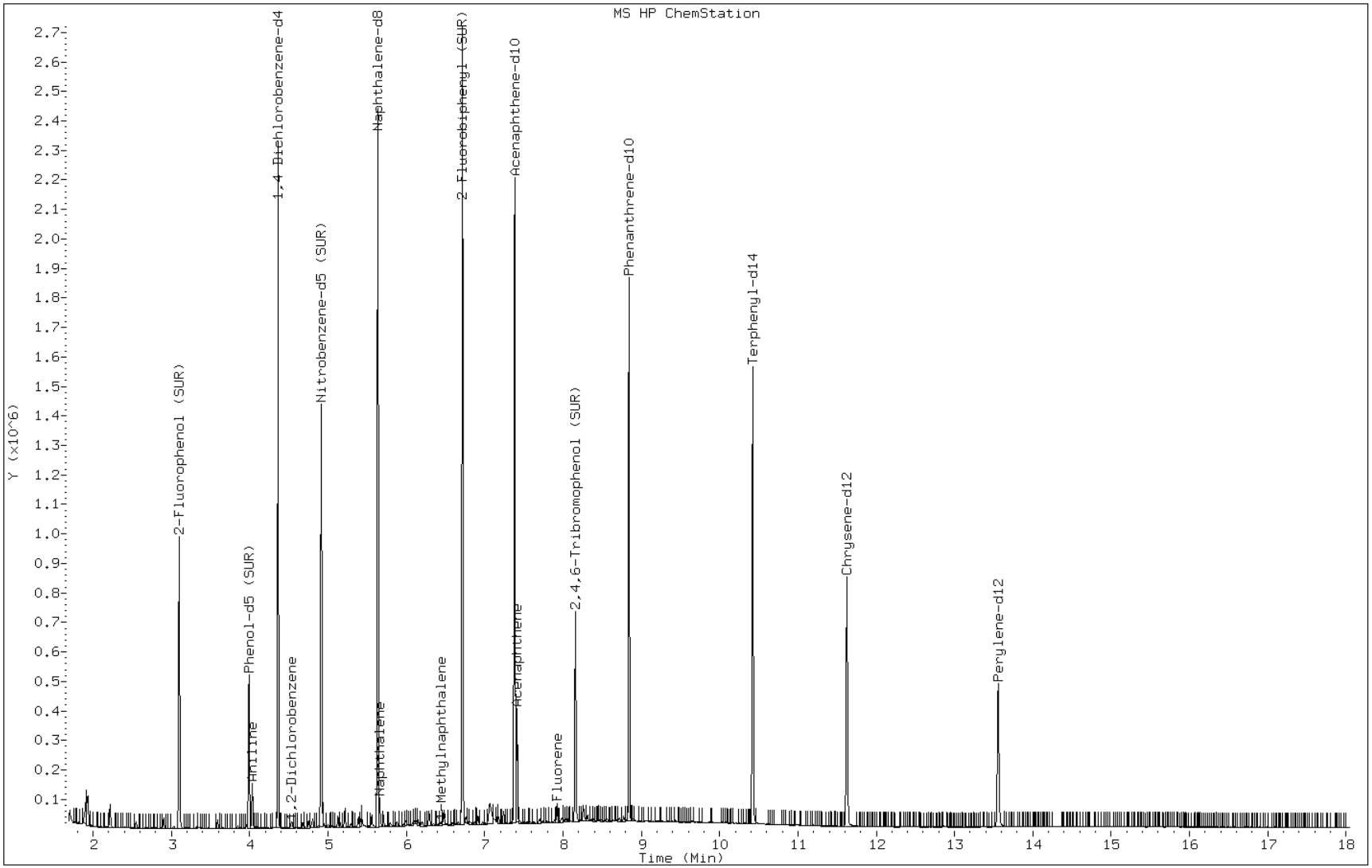
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: z3980.d

Date: 19-SEP-2009 19:26

Client ID: MW-28 Instrument: BNAMS11.i

Sample Info: 460-5774-H-8-A Operator: BNAMS 4



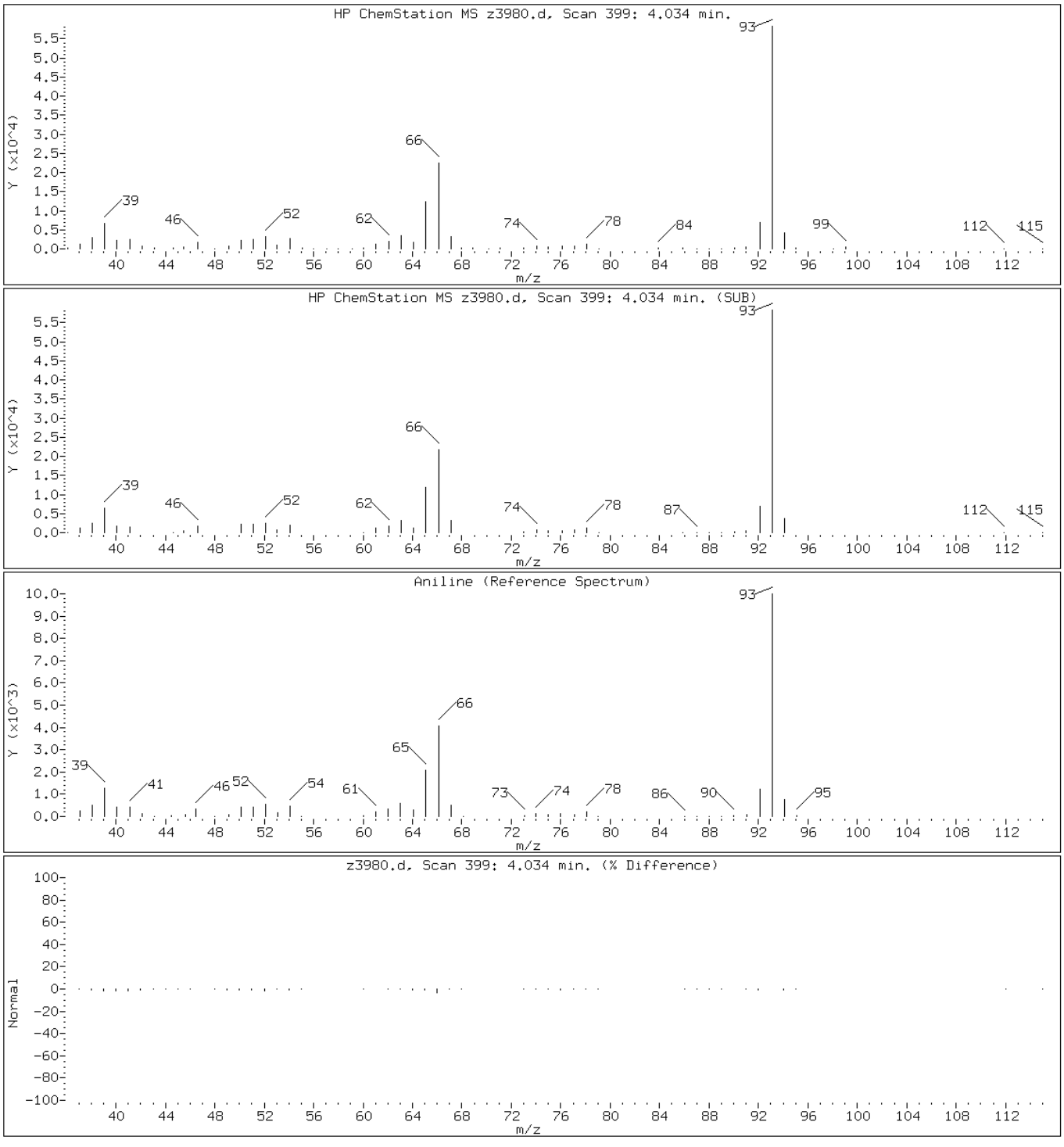
Data File: z3980.d

Date: 19-SEP-2009 19:26

Client ID: MW-28 Instrument: BNAMS11.i

Sample Info: 460-5774-H-8-A Operator: BNAMS 4

73 Aniline



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: DUP-091609 | Lab Sample ID: 460-5774-9

Matrix: Water | Lab File ID: z4028.d

Analysis Method: 8270C | Date Collected: 09/16/2009 00:00

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/21/2009 11:35

Con. Extract Vol.: 2(mL) | Dilution Factor: 20

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 3400 | | 100 | 35 |
| 121-69-7 | n,n'-Dimethylaniline | 20 | U | 20 | 5.4 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 0 | 64-119 | D |
| 367-12-4 | 2-Fluorophenol | 0 | 15-57 | D |
| 4165-60-0 | Nitrobenzene-d5 | 0 | 69-120 | D |
| 4165-62-2 | Phenol-d5 | 0 | 10-41 | D |
| 1718-51-0 | Terphenyl-d14 | 0 | 38-141 | D |
| 118-79-6 | 2,4,6-Tribromophenol | 0 | 69-127 | D |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4028.d
Report Date: 22-Sep-2009 14:55

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4028.d
Lab Smp Id: 460-5774-H-9-A  Client Smp ID: DUP-091609
Inj Date  : 21-SEP-2009 11:35
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5774-H-9-A
Misc Info : 460-5774-H-9-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin  Quant Type: ISTD
Cal Date  : 21-SEP-2009 01:32  Cal File: z4010.d
Als bottle: 20
Dil Factor: 20.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 20.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 73 Aniline | 93 | 4.040 | 4.040 | (0.926) | 1690305 | 83.9498 | 3400 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 414549 | 40.0000 | |
| * | 80 Naphthalene-d8 | 136 | 5.646 | 5.651 | (1.000) | 1500980 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.663 | 5.669 | (1.003) | 24883 | 0.62443 | 25(a) |
| | 32 4-Chloroaniline | 127 | 5.716 | 5.728 | (1.012) | 32581 | 2.19905 | 88(a) |
| | 34 2-Methylnaphthalene | 142 | 6.357 | 6.363 | (1.126) | 18888 | 0.80370 | 32(a) |
| | 120 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 33227 | 1.48075 | 59(a) |
| | 102 Diphenyl | 154 | 6.822 | 6.834 | (0.922) | 3340 | 0.11857 | 4.7(a) |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.057 | 7.069 | (0.954) | 9800 | 0.54812 | 22(a) |
| * | 82 Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 724980 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 3495 | 0.17937 | 7.2(a) |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 899037 | 40.0000 | |
| * | 81 Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 412075 | 40.0000 | |
| * | 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 250445 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4028.d
Report Date: 22-Sep-2009 14:55

QC Flag Legend

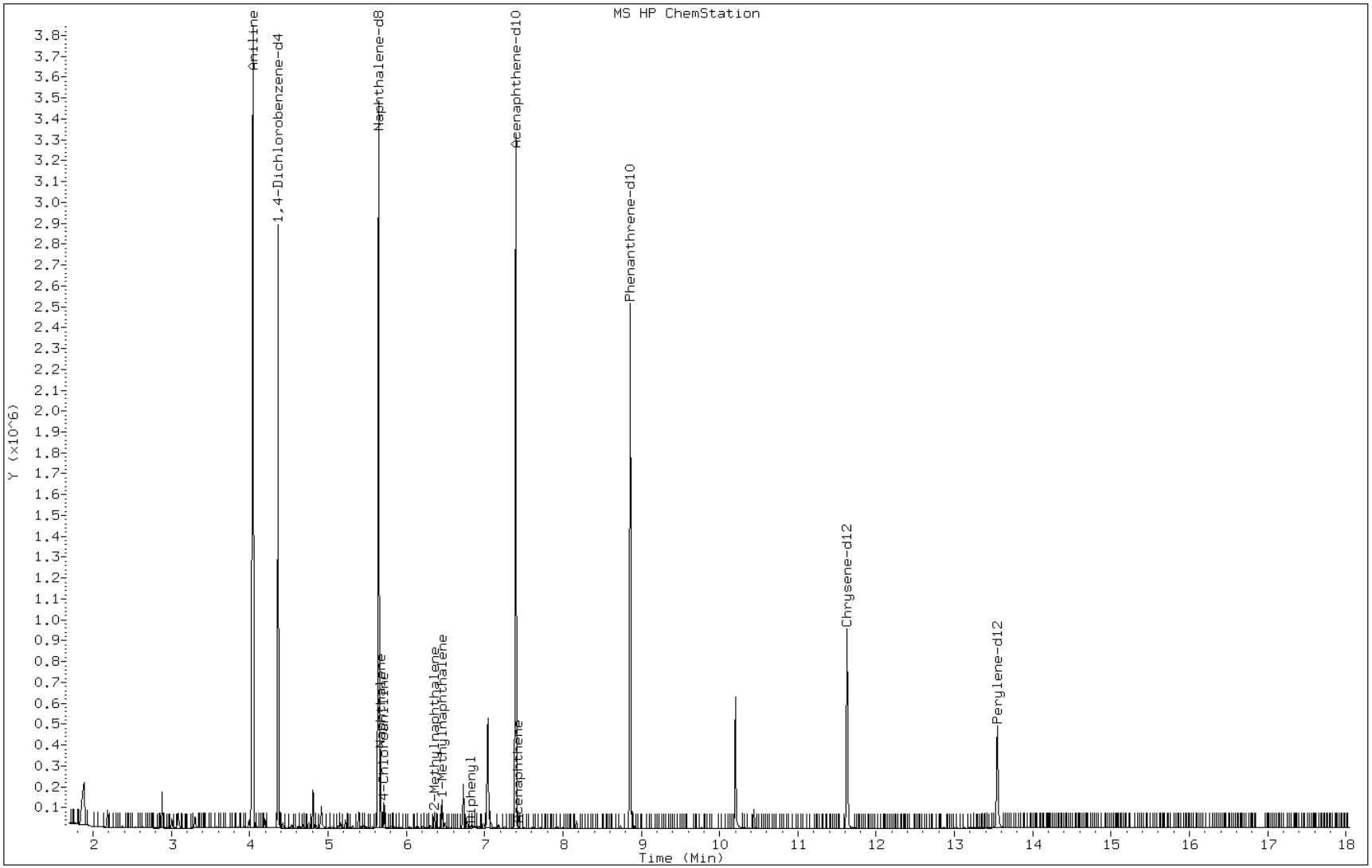
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z4028.d

Date: 21-SEP-2009 11:35

Client ID: DUP-091609 Instrument: BNAMS11.i

Sample Info: 460-5774-H-9-A Operator: BNAMS 4



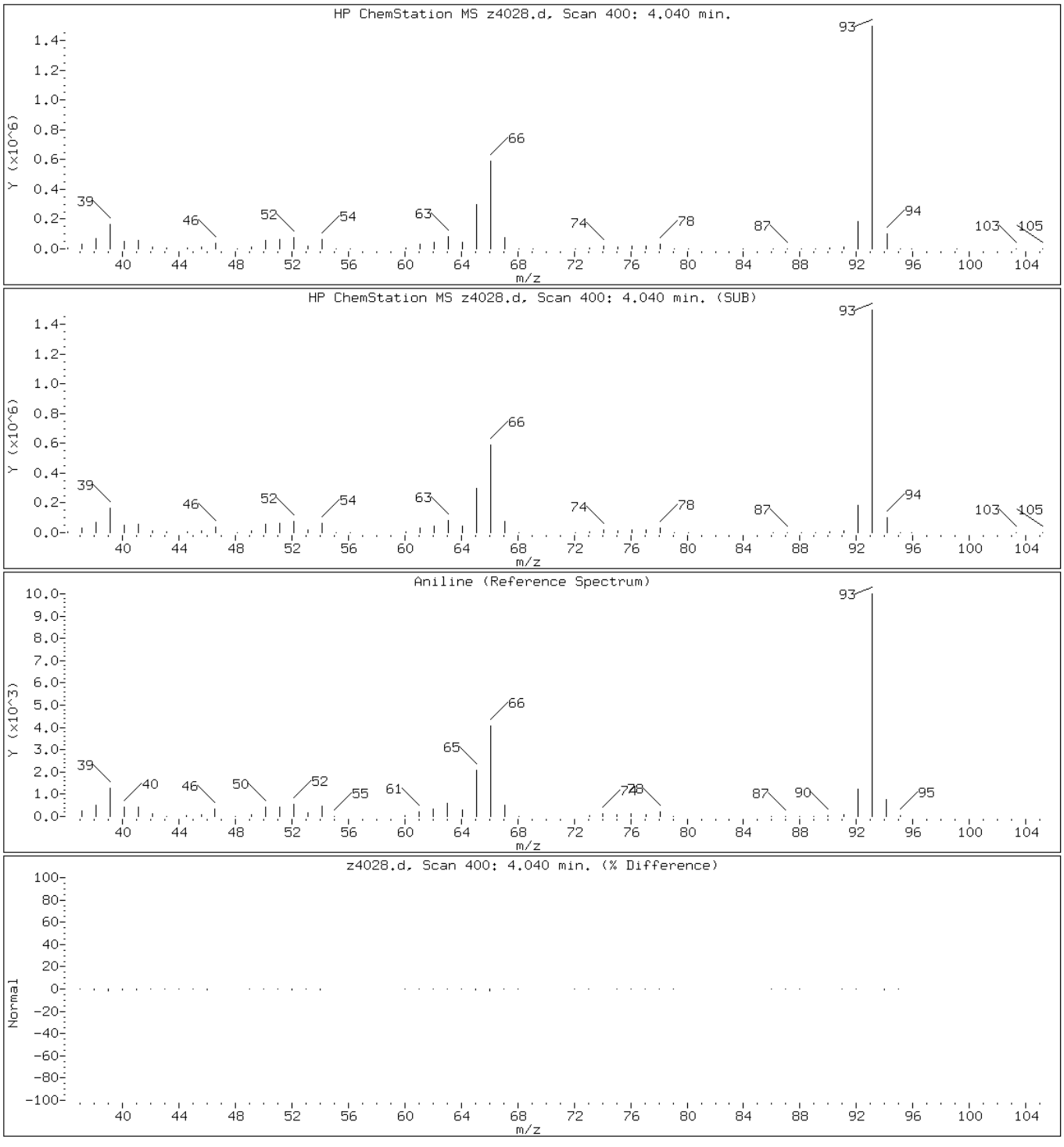
Data File: z4028.d

Date: 21-SEP-2009 11:35

Client ID: DUP-091609 Instrument: BNAMS11.i

Sample Info: 460-5774-H-9-A Operator: BNAMS 4

73 Aniline



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17124/4 | z3795.d |
| Level 2 | IC 460-17124/7 | z3799.d |
| Level 3 | IC 460-17124/6 | z3797.d |
| Level 4 | ICIS 460-17124/2 | z3793.d |
| Level 5 | IC 460-17124/5 | z3796.d |
| Level 6 | IC 460-17124/3 | z3794.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,4-Dioxane | 0.6609 0.6336 | 0.6347 | 0.6079 | 0.5989 | 0.5808 | Ave | | 0.6195 | | | | 4.7 | | 15.0 | | | |
| 2,3,7,8-TCDD | +++++ +++++ | +++++ | +++++ | 0.1923 | +++++ | Ave | | 0.1923 | | | | | | 15.0 | | | |
| N-Nitrosodimethylamine | 0.9457 0.9237 | 0.9402 | 0.8979 | 0.8879 | 0.8703 | Ave | | 0.9110 | | | | 3.3 | | 15.0 | | | |
| Pyridine | 1.6891 1.5669 | 1.6359 | 1.5398 | 1.5065 | 1.4704 | Ave | | 1.5681 | | | | 5.2 | | 15.0 | | | |
| Benzaldehyde | 0.8441 0.2949 | 1.0364 | 0.9670 | 0.7336 | 0.5346 | Ave | | 0.7351 | | | | 38.0 | * | 15.0 | | | |
| Phenol | 2.0265 1.7176 | 1.8868 | 1.8795 | 1.7973 | 1.6263 | Ave | | 1.8223 | | | | 7.7 | | 30.0 | | | |
| Aniline | 2.5647 +++++ | 2.5457 | 2.3881 | 2.3004 | 1.9501 | Ave | | 2.3498 | | | | 10.6 | | 15.0 | | | |
| Bis(2-chloroethyl)ether | 1.8107 2.0602 | 1.6485 | 1.5378 | 1.4848 | 1.5160 | Ave | | 1.6763 | | | | 13.3 | | 15.0 | | | |
| 2-Chlorophenol | 1.7116 1.3406 | 1.5989 | 1.5861 | 1.4880 | 1.3756 | Ave | | 1.5168 | | | | 9.4 | | 15.0 | | | |
| n-Decane | 1.7173 1.0310 | 1.6446 | 1.4664 | 1.2762 | 1.1017 | QuaF | | 0.6187 | 0.1163 | | | | | | 0.9989 | | 0.9900 |
| 1,3-Dichlorobenzene | 1.9485 1.6053 | 1.9078 | 1.7865 | 1.6755 | 1.5984 | Ave | | 1.7537 | | | | 8.7 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.9372 1.5494 | 1.8842 | 1.7447 | 1.6590 | 1.5751 | Ave | | 1.7249 | | | | 9.3 | | 30.0 | | | |
| Benzyl alcohol | 1.0691 0.9056 | 1.0732 | 1.0217 | 1.0144 | 0.9129 | Ave | | 0.9995 | | | | 7.4 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.9158 1.4168 | 1.8648 | 1.6954 | 1.5958 | 1.4676 | Ave | | 1.6594 | | | | 12.3 | | 15.0 | | | |
| 2-Methylphenol | 1.5361 1.1293 | 1.4110 | 1.4018 | 1.2877 | 1.1892 | Ave | | 1.3258 | | | | 11.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,2'-oxybis[1-chloropropane] | 2.3512<br>1.3746 | 2.2189 | 2.0369 | 1.7888 | 1.4341 | QuaF | | 0.4408 | 0.0719 | | | | | | 0.9951 | | 0.9900 |
| 3 & 4 Methylphenol | 1.6928<br>1.1643 | 1.4905 | 1.4181 | 1.2290 | 1.1620 | LinF | | 1.1784 | | | | | | | 0.9965 | | 0.9900 |
| 4-Methylphenol | 1.6928<br>1.1643 | 1.4905 | 1.4181 | 1.2290 | 1.1620 | LinF | | 1.1784 | | | | | | | 0.9965 | | 0.9900 |
| Acetophenone | 2.3824<br>1.5002 | 2.1212 | 1.9629 | 1.6740 | 1.5333 | LinF | | 1.5439 | | | | | | | 0.9922 | | 0.9900 |
| N-Nitrosodi-n-propylamine | 1.2507<br>0.8554 | 1.1650 | 1.0517 | 0.9626 | 0.8732 | LinF | | 0.8782 | | | | | | | 0.9944 | | 0.9900 |
| Hexachloroethane | 0.7696<br>0.5736 | 0.7415 | 0.6915 | 0.6485 | 0.6022 | Ave | | 0.6712 | | | | 11.5 | | 15.0 | | | |
| Nitrobenzene | 0.6751<br>0.4424 | 0.6305 | 0.5848 | 0.5218 | 0.4725 | QuaF | | 1.6102 | 0.4975 | | | | | | 0.9997 | | 0.9900 |
| n,n'-Dimethylaniline | 3.1793<br>1.7960 | 2.5816 | 2.3495 | 2.1148 | 1.8971 | QuaF | | 0.4044 | 0.0289 | | | | | | 0.9995 | | 0.9900 |
| Isophorone | 0.8631<br>0.6911 | 0.8332 | 0.7762 | 0.7374 | 0.6976 | Ave | | 0.7664 | | | | 9.3 | | 15.0 | | | |
| 2-Nitrophenol | 0.2040<br>0.1968 | 0.2003 | 0.2088 | 0.1924 | 0.1899 | Ave | | 0.1987 | | | | 3.6 | | 30.0 | | | |
| 2,4-Dimethylphenol | 0.3869<br>0.3040 | 0.3621 | 0.3505 | 0.3293 | 0.2957 | Ave | | 0.3381 | | | | 10.4 | | 15.0 | | | |
| Bis(2-chloroethoxy)methane | 0.5051<br>0.4003 | 0.4848 | 0.4565 | 0.4279 | 0.3991 | Ave | | 0.4456 | | | | 9.9 | | 15.0 | | | |
| Benzoic acid | 0.1011<br>0.1232 | 0.1193 | 0.1207 | 0.0959 | 0.1063 | Ave | | 0.1111 | | | | 10.4 | | 15.0 | | | |
| 2,4-Dichlorophenol | 0.3384<br>0.2723 | 0.3150 | 0.3139 | 0.2887 | 0.2743 | Ave | | 0.3004 | | | | 8.7 | | 30.0 | | | |
| 1,2,4-Trichlorobenzene | 0.3946<br>0.3244 | 0.3686 | 0.3483 | 0.3322 | 0.3206 | Ave | | 0.3481 | | | | 8.3 | | 15.0 | | | |
| Naphthalene | 1.2861<br>1.0072 | 1.2521 | 1.1674 | 1.0886 | 1.0233 | Ave | | 1.1374 | | | | 10.3 | | 15.0 | | | |
| 4-Chloroaniline | 0.5126<br>0.3542 | 0.5058 | 0.4746 | 0.4154 | 0.3717 | QuaF | | 2.0588 | 0.7398 | | | | | | 0.9992 | | 0.9900 |
| Hexachlorobutadiene | 0.2146<br>0.1942 | 0.2130 | 0.2018 | 0.1933 | 0.1927 | Ave | | 0.2016 | | | | 5.0 | | 30.0 | | | |
| Caprolactam | 0.1143<br>+++++ | 0.1079 | 0.1033 | 0.0888 | 0.0821 | Ave | | 0.0993 | | | | 13.5 | | 15.0 | | | |
| 4-Chloro-3-methylphenol | 0.3530<br>0.2727 | 0.3257 | 0.3275 | 0.2933 | 0.2388 | Ave | | 0.3018 | | | | 13.8 | | 30.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Methylnaphthalene | 0.8432<br>0.6134 | 0.7888 | 0.7314 | 0.6619 | 0.6167 | Ave | | 0.7092 | | | | 13.3 | | 15.0 | | | |
| 1-Methylnaphthalene | 0.8111<br>0.6013 | 0.7763 | 0.7189 | 0.6326 | 0.5918 | Ave | | 0.6887 | | | | 13.6 | | 15.0 | | | |
| Hexachlorocyclopentadiene | 0.3722<br>0.4581 | 0.3717 | 0.4024 | 0.4549 | 0.4493 | Ave | | 0.4181 | | | 0.0500 | 9.8 | | 15.0 | | | |
| 2-tertbutyl-4-methylphenol | 0.5594<br>0.4123 | 0.5320 | 0.4872 | 0.4315 | 0.4000 | Ave | | 0.4704 | | | | 14.1 | | 15.0 | | | |
| 2,4,6-Trichlorophenol | 0.3849<br>0.4427 | 0.3714 | 0.3697 | 0.3793 | 0.3917 | Ave | | 0.3899 | | | | 7.0 | | 30.0 | | | |
| 2,4,5-Trichlorophenol | 0.4057<br>0.3147 | 0.3972 | 0.3989 | 0.3622 | 0.3358 | Ave | | 0.3691 | | | | 10.2 | | 15.0 | | | |
| 1,1'-Biphenyl | 1.8175<br>1.4762 | 1.7440 | 1.6512 | 1.5670 | 1.4902 | Ave | | 1.6243 | | | | 8.5 | | 15.0 | | | |
| 2-Chloronaphthalene | 1.3744<br>1.1522 | 1.3578 | 1.2574 | 1.2091 | 1.1643 | Ave | | 1.2525 | | | | 7.6 | | 15.0 | | | |
| Phenyl ether | 0.9708<br>0.8541 | 0.9632 | 0.8993 | 0.8675 | 0.8452 | Ave | | 0.9000 | | | | 6.1 | | 15.0 | | | |
| 2-Nitroaniline | 0.4492<br>+++++ | 0.5120 | 0.4841 | 0.4483 | 0.4283 | Ave | | 0.4644 | | | | 7.2 | | 15.0 | | | |
| 1,3-Dimethylnaphthalene | 1.1309<br>0.9610 | 1.1149 | 1.0528 | 0.9802 | 0.9584 | Ave | | 1.0330 | | | | 7.5 | | 15.0 | | | |
| Dimethyl phthalate | 1.4697<br>1.0957 | 1.4399 | 1.3334 | 1.2157 | 1.1164 | Ave | | 1.2784 | | | | 12.6 | | 15.0 | | | |
| Coumarin | 0.4789<br>0.3723 | 0.4548 | 0.4304 | 0.3880 | 0.3646 | Ave | | 0.4148 | | | | 11.3 | | 15.0 | | | |
| 2,6-Dinitrotoluene | 0.2888<br>0.2624 | 0.3011 | 0.2940 | 0.2734 | 0.2545 | Ave | | 0.2790 | | | | 6.6 | | 15.0 | | | |
| Acenaphthylene | 2.2474<br>1.8029 | 2.1883 | 2.0646 | 1.9390 | 1.8307 | Ave | | 2.0122 | | | | 9.2 | | 15.0 | | | |
| 3-Nitroaniline | 0.3331<br>0.2206 | 0.3216 | 0.3163 | 0.2868 | 0.2577 | Ave | | 0.2893 | | | | 15.0 | | 15.0 | | | |
| 3,5-di-tert-butyl-4-hydroxytol | 1.1205<br>0.9911 | 1.0903 | 1.0808 | 1.0027 | 0.9944 | Ave | | 1.0466 | | | | 5.5 | | 15.0 | | | |
| Acenaphthene | 1.4353<br>1.0326 | 1.3649 | 1.1740 | 1.0980 | 1.0386 | Ave | | 1.1906 | | | | 14.4 | | 30.0 | | | |
| 2,4-Dinitrophenol | 0.0849<br>0.0987 | 0.0922 | 0.1027 | 0.0931 | 0.1054 | Ave | | 0.0962 | | | 0.0500 | 7.9 | | 15.0 | | | |
| 4-Nitrophenol | 0.2219<br>0.1738 | 0.2124 | 0.2143 | 0.1950 | 0.1799 | Ave | | 0.1995 | | | 0.0500 | 9.9 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,4-Dinitrotoluene | 0.3893<br>0.3123 | 0.3814 | 0.3681 | 0.3215 | 0.3042 | Ave | | 0.3461 | | | | 10.9 | | 15.0 | | | |
| Dibenzofuran | 1.8691<br>1.4979 | 1.8402 | 1.6926 | 1.5789 | 1.5092 | Ave | | 1.6646 | | | | 9.8 | | 15.0 | | | |
| Diethyl phthalate | 1.4219<br>1.1287 | 1.3555 | 1.2774 | 1.1694 | 1.1192 | Ave | | 1.2454 | | | | 10.1 | | 15.0 | | | |
| 4-Chlorophenyl phenyl ether | 0.6746<br>0.5618 | 0.6469 | 0.6073 | 0.5645 | 0.5602 | Ave | | 0.6026 | | | | 8.2 | | 15.0 | | | |
| Fluorene | 1.4472<br>1.1183 | 1.3648 | 1.2744 | 1.1749 | 1.1291 | Ave | | 1.2515 | | | | 10.7 | | 15.0 | | | |
| 4-Nitroaniline | 0.3068<br>0.2170 | 0.3050 | 0.2833 | 0.2430 | 0.2178 | LinF | | 0.2227 | | | | | | | 0.9908 | | 0.9900 |
| 4,6-Dinitro-2-methylphenol | 0.0978<br>0.1020 | 0.1068 | 0.1131 | 0.1033 | 0.1178 | Ave | | 0.1068 | | | | 7.0 | | 15.0 | | | |
| N-Nitrosodiphenylamine | 0.7200<br>0.6278 | 0.6932 | 0.6606 | 0.6312 | 0.6002 | Ave | | 0.6555 | | | | 6.8 | | 30.0 | | | |
| 1,2-Diphenylhydrazine | 1.2799<br>1.1853 | 1.3026 | 1.2386 | 1.1726 | 1.0807 | Ave | | 1.2100 | | | | 6.7 | | 15.0 | | | |
| 4-Bromophenyl phenyl ether | 0.2691<br>0.2642 | 0.2798 | 0.2621 | 0.2561 | 0.2599 | Ave | | 0.2652 | | | | 3.2 | | 15.0 | | | |
| Hexachlorobenzene | 0.2648<br>0.2431 | 0.2561 | 0.2435 | 0.2395 | 0.2392 | Ave | | 0.2477 | | | | 4.2 | | 15.0 | | | |
| Atrazine | 0.2374<br>0.1505 | 0.2273 | 0.2147 | 0.2020 | 0.1730 | QuaF | | 3.3280 | 7.2382 | | | | | | 0.9989 | | 0.9900 |
| Pentachlorophenol | 0.1226<br>0.1266 | 0.1253 | 0.1252 | 0.1196 | 0.1275 | Ave | | 0.1244 | | | | 2.3 | | 30.0 | | | |
| n-Octadecane | 0.7442<br>0.5946 | 0.7597 | 0.7034 | 0.6604 | 0.6097 | Ave | | 0.6787 | | | | 10.1 | | 15.0 | | | |
| Phenanthrene | 1.3246<br>1.1281 | 1.2770 | 1.1957 | 1.1695 | 1.0170 | Ave | | 1.1853 | | | | 9.2 | | 15.0 | | | |
| Anthracene | 1.3422<br>1.0720 | 1.2966 | 1.2347 | 1.1538 | 1.0919 | Ave | | 1.1986 | | | | 9.2 | | 15.0 | | | |
| Carbazole | 1.1303<br>0.8444 | 1.0439 | 1.0095 | 0.9294 | 0.8636 | Ave | | 0.9702 | | | | 11.4 | | 15.0 | | | |
| Di-n-butyl phthalate | 1.3969<br>1.1748 | 1.3349 | 1.3081 | 1.2250 | 1.1806 | Ave | | 1.2700 | | | | 7.1 | | 15.0 | | | |
| Fluoranthene | 1.1543<br>0.8800 | 1.0557 | 1.0360 | 0.9480 | 0.9050 | Ave | | 0.9965 | | | | 10.5 | | 30.0 | | | |
| Benzidine | 0.0941<br>0.0703 | 0.2479 | 0.2229 | 0.1131 | 0.0793 | Ave | | 0.1379 | | | | 56.0 | * | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Pyrene | 1.8860<br>1.8673 | 1.9768 | 1.8871 | 1.8874 | 1.8185 | Ave | | 1.8872 | | | | 2.7 | | 15.0 | | | |
| Butyl benzyl phthalate | 0.6957<br>0.7372 | 0.7284 | 0.7265 | 0.7329 | 0.7233 | Ave | | 0.7240 | | | | 2.0 | | 15.0 | | | |
| 3,3'-Dichlorobenzidine | 0.2807<br>0.2480 | 0.3172 | 0.3176 | 0.2739 | 0.2500 | Ave | | 0.2812 | | | | 11.0 | | 15.0 | | | |
| Benzo[a]anthracene | 1.3239<br>1.1451 | 1.1504 | 1.1364 | 1.1393 | 1.1115 | Ave | | 1.1678 | | | | 6.6 | | 15.0 | | | |
| Bis(2-ethylhexyl) phthalate | 0.8849<br>0.9486 | 0.9020 | 0.9203 | 0.9126 | 0.9237 | Ave | | 0.9154 | | | | 2.3 | | 15.0 | | | |
| Chrysene | 1.1085<br>0.9230 | 1.0853 | 1.0309 | 1.0068 | 0.9668 | Ave | | 1.0202 | | | | 6.9 | | 15.0 | | | |
| Di-n-octyl phthalate | 1.7324<br>2.1587 | 1.8651 | 2.0656 | 2.0072 | 2.0936 | Ave | | 1.9871 | | | | 8.0 | | 30.0 | | | |
| Benzo[b]fluoranthene | 1.0229<br>1.2547 | 1.2032 | 1.2389 | 1.2844 | 1.1958 | Ave | | 1.2000 | | | | 7.7 | | 15.0 | | | |
| Benzo[k]fluoranthene | 1.2223<br>1.2659 | 1.3712 | 1.4099 | 1.2819 | 1.3222 | Ave | | 1.3122 | | | | 5.3 | | 15.0 | | | |
| Benzo[a]pyrene | 0.7119<br>1.0440 | 1.0016 | 1.0255 | 1.0308 | 1.0122 | Ave | | 0.9710 | | | | 13.2 | | 30.0 | | | |
| Indeno[1,2,3-cd]pyrene | 0.5725<br>0.8805 | 0.6883 | 0.7364 | 0.8029 | 0.8172 | Ave | | 0.7496 | | | | 14.6 | | 15.0 | | | |
| Dibenz(a,h)anthracene | 0.5690<br>0.8540 | 0.7152 | 0.7605 | 0.8231 | 0.8353 | Ave | | 0.7595 | | | | 14.1 | | 15.0 | | | |
| Benzo[g,h,i]perylene | 0.6453<br>0.8351 | 0.7319 | 0.7251 | 0.7765 | 0.7925 | Ave | | 0.7511 | | | | 8.8 | | 15.0 | | | |
| 2-Fluorophenol | 1.5615<br>1.4317 | 1.5741 | 1.4435 | 1.3950 | 1.3196 | Ave | | 1.4542 | | | | 6.7 | | 15.0 | | | |
| Phenol-d5 | 1.9710<br>1.4712 | 1.9105 | 1.7625 | 1.6704 | 1.5225 | Ave | | 1.7180 | | | | 11.8 | | 15.0 | | | |
| Nitrobenzene-d5 | 0.4514<br>0.3610 | 0.4478 | 0.4494 | 0.4054 | 0.3830 | Ave | | 0.4163 | | | | 9.4 | | 15.0 | | | |
| 2-Fluorobiphenyl | 1.5238<br>1.3822 | 1.5056 | 1.4865 | 1.3950 | 1.3537 | Ave | | 1.4411 | | | | 5.0 | | 15.0 | | | |
| 2,4,6-Tribromophenol | 0.1462<br>0.1268 | 0.1541 | 0.1343 | 0.1294 | 0.1246 | Ave | | 0.1359 | | | | 8.7 | | 15.0 | | | |
| Terphenyl-d14 | 1.1887<br>1.2004 | 1.1940 | 1.2101 | 1.1515 | 1.1373 | Ave | | 1.1803 | | | | 2.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17124/4 | z3795.d |
| Level 2 | IC 460-17124/7 | z3799.d |
| Level 3 | IC 460-17124/6 | z3797.d |
| Level 4 | ICIS 460-17124/2 | z3793.d |
| Level 5 | IC 460-17124/5 | z3796.d |
| Level 6 | IC 460-17124/3 | z3794.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,4-Dioxane | DCB | Ave | 22422<br>476997 | 41243 | 74833 | 186627 | 288647 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,3,7,8-TCDD | CRY | Ave | +++++<br>+++++ | +++++ | +++++ | 626 | +++++ | +++++<br>+++++ | +++++ | +++++ | 0.500 | +++++ |
| N-Nitrosodimethylamine | DCB | Ave | 32083<br>695404 | 61100 | 110531 | 276649 | 432532 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pyridine | DCB | Ave | 57302<br>1179583 | 106304 | 189542 | 469415 | 730741 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzaldehyde | DCB | Ave | 28635<br>221992 | 67346 | 119033 | 228584 | 265694 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol | DCB | Ave | 68749<br>1293057 | 122608 | 231359 | 560035 | 808208 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Aniline | DCB | Ave | 87007<br>+++++ | 165427 | 293959 | 716782 | 969115 | 5.00<br>+++++ | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethyl)ether | DCB | Ave | 6143<br>1550943 | 107123 | 189299 | 462664 | 753404 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chlorophenol | DCB | Ave | 58065<br>1009226 | 103901 | 195236 | 463661 | 683620 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n-Decane | DCB | QuaF | 58260<br>776187 | 106870 | 180502 | 397648 | 547531 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dichlorobenzene | DCB | Ave | 66105<br>1208475 | 123976 | 219913 | 522056 | 794357 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 65719<br>1166413 | 122444 | 214762 | 516923 | 782761 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzyl alcohol | DCB | Ave | 36269<br>681759 | 69739 | 125767 | 316093 | 453662 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 64995<br>1066579 | 121182 | 208690 | 497249 | 729353 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylphenol | DCB | Ave | 52113<br>850134 | 91691 | 172553 | 401238 | 590987 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,2'-oxybis[1-chloropropane] | DCB | QuaF | 79767<br>1034826 | 144192 | 250734 | 557361 | 712697 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 3 & 4 Methylphenol | DCB | LinF | 57428<br>876498 | 96855 | 174562 | 382944 | 577473 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Methylphenol | DCB | LinF | 57428<br>876498 | 96855 | 174562 | 382944 | 577473 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acetophenone | DCB | LinF | 80824<br>1129409 | 137842 | 241626 | 521618 | 761988 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| N-Nitrosodi-n-propylamine | DCB | LinF | 4243<br>643963 | 75703 | 129461 | 299933 | 433945 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachloroethane | DCB | Ave | 2611<br>431849 | 48187 | 85115 | 202053 | 299287 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene | NPT | QuaF | 9047<br>1182098 | 158944 | 275820 | 601968 | 854316 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n,n'-Dimethylaniline | DCB | QuaF | 10786<br>1352083 | 167761 | 289211 | 658964 | 942808 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Isophorone | NPT | Ave | 115665<br>1846601 | 210019 | 366069 | 850624 | 1261418 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitrophenol | NPT | Ave | 27338<br>525809 | 50495 | 98482 | 221964 | 343353 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dimethylphenol | NPT | Ave | 51847<br>812338 | 91286 | 165284 | 379823 | 534578 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethoxy)methane | NPT | Ave | 67690<br>1069583 | 122211 | 215285 | 493621 | 721581 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzoic acid | NPT | Ave | 13548<br>329293 | 30078 | 56924 | 110622 | 192222 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dichlorophenol | NPT | Ave | 45348<br>727590 | 79394 | 148045 | 333077 | 495956 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2,4-Trichlorobenzene | NPT | Ave | 5288<br>866877 | 92913 | 164246 | 383185 | 579740 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Naphthalene | NPT | Ave | 172352<br>2691175 | 315615 | 550564 | 1255724 | 1850150 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloroaniline | NPT | QuaF | 68699<br>946476 | 127498 | 223821 | 479235 | 672010 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobutadiene | NPT | Ave | 5752<br>518744 | 53685 | 95165 | 223020 | 348417 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Caprolactam | NPT | Ave | 15323<br>+++++ | 27195 | 48717 | 102440 | 148374 | 5.00<br>+++++ | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloro-3-methylphenol | NPT | Ave | 47305<br>728536 | 82090 | 154441 | 338368 | 431809 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylnaphthalene | NPT | Ave | 112993<br>1638847 | 198844 | 344925 | 763554 | 1115018 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1-Methylnaphthalene | NPT | Ave | 108695<br>1606670 | 195682 | 339055 | 729723 | 1070103 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Hexachlorocyclopentadiene | ANT | Ave | 27377<br>557207 | 48843 | 97841 | 251495 | 373507 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-tertbutyl-4-methylphenol | NPT | Ave | 74959<br>1101570 | 134094 | 229756 | 497734 | 723176 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Trichlorophenol | ANT | Ave | 28315<br>538563 | 48796 | 89900 | 209668 | 325642 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,5-Trichlorophenol | ANT | Ave | 29843<br>382880 | 52190 | 96999 | 200210 | 279139 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,1'-Biphenyl | ANT | Ave | 133698<br>1795786 | 229153 | 401499 | 866281 | 1238895 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chloronaphthalene | ANT | Ave | 101101<br>1401609 | 178404 | 305743 | 668430 | 967968 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenyl ether | ANT | Ave | 71410<br>1038988 | 126564 | 218665 | 479568 | 702647 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitroaniline | ANT | Ave | 66087<br>+++++ | 67280 | 117706 | 247849 | 356094 | 10.0<br>+++++ | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dimethylnaphthalene | ANT | Ave | 83190<br>1169044 | 146494 | 256007 | 541894 | 796762 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dimethyl phthalate | ANT | Ave | 108114<br>1332829 | 189192 | 324226 | 672088 | 928101 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Coumarin | ANT | Ave | 35226<br>452890 | 59764 | 104658 | 214497 | 303112 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,6-Dinitrotoluene | ANT | Ave | 4249<br>319171 | 39561 | 71496 | 151137 | 211594 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthylene | ANT | Ave | 165320<br>2193123 | 287540 | 502031 | 1071945 | 1522015 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3-Nitroaniline | ANT | Ave | 49000<br>268371 | 42256 | 76900 | 158531 | 214213 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,5-di-tert-butyl-4-hydroxytol | ANT | Ave | 82422<br>1205642 | 143260 | 262806 | 554318 | 826690 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthene | ANT | Ave | 105585<br>1256161 | 179338 | 285472 | 607026 | 863470 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dinitrophenol | ANT | Ave | 18743<br>120093 | 24226 | 37452 | 51445 | 87645 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 4-Nitrophenol | ANT | Ave | 48967<br>211371 | 55813 | 78170 | 107795 | 149547 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 2,4-Dinitrotoluene | ANT | Ave | 5728<br>379879 | 50116 | 89508 | 177756 | 252895 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenzofuran | ANT | Ave | 137493<br>1822105 | 241791 | 411569 | 872857 | 1254722 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Diethyl phthalate | ANT | Ave | 104597<br>1372988 | 178113 | 310611 | 646504 | 930487 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 4-Chlorophenyl phenyl ether | ANT | Ave | 49624<br>683460 | 84994 | 147668 | 312102 | 465719 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluorene | ANT | Ave | 106454<br>1360389 | 179334 | 309883 | 649545 | 938711 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Nitroaniline | ANT | LinF | 45135<br>264018 | 40082 | 68888 | 134347 | 181089 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4,6-Dinitro-2-methylphenol | PHN | Ave | 29991<br>148205 | 36615 | 53336 | 69272 | 116337 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| N-Nitrosodiphenylamine | PHN | Ave | 73632<br>911947 | 118829 | 207700 | 423132 | 592555 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Diphenylhydrazine | PHN | Ave | 130880<br>1721810 | 223312 | 389432 | 786137 | 1066923 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Bromophenyl phenyl ether | PHN | Ave | 27518<br>383738 | 47968 | 82393 | 171721 | 256572 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobenzene | PHN | Ave | 2708<br>353187 | 43903 | 76573 | 160583 | 236171 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Atrazine | PHN | QuaF | 24280<br>218554 | 38963 | 67495 | 135435 | 170825 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pentachlorophenol | PHN | Ave | 37616<br>183891 | 42946 | 59052 | 80156 | 125832 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| n-Octadecane | PHN | Ave | 76101<br>863746 | 130239 | 221152 | 442714 | 601970 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenanthrene | PHN | Ave | 135456<br>1638614 | 218926 | 375933 | 784045 | 1004064 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Anthracene | PHN | Ave | 137257<br>1557188 | 222286 | 388193 | 773540 | 1078009 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Carbazole | PHN | Ave | 115583<br>1226593 | 178954 | 317402 | 623051 | 852583 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-butyl phthalate | PHN | Ave | 142843<br>1706460 | 228844 | 411271 | 821246 | 1165563 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluoranthene | PHN | Ave | 118038<br>1278210 | 180977 | 325734 | 635547 | 893525 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzidine | PHN | Ave | 9623<br>102050 | 84980 | 105110 | 75843 | 78331 | 5.00<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| Pyrene | CRY | Ave | 115051<br>1209971 | 175203 | 312197 | 614512 | 853880 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Butyl benzyl phthalate | CRY | Ave | 42437<br>477676 | 64558 | 120181 | 238614 | 339642 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,3'-Dichlorobenzidine | CRY | Ave | 34243<br>160685 | 56229 | 78825 | 89189 | 117388 | 10.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| Benzo[a]anthracene | CRY | Ave | 8076<br>742021 | 101960 | 187992 | 370933 | 521930 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17124

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2009 09:46 Calibration End Date: 09/14/2009 12:48 Calibration ID: 3094

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Bis(2-ethylhexyl) phthalate | CRY | Ave | 53984<br>614660 | 79945 | 152254 | 297134 | 433739 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Chrysene | CRY | Ave | 67619<br>598088 | 96193 | 170554 | 327793 | 453995 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-octyl phthalate | PRY | Ave | 60644<br>815107 | 89833 | 184882 | 380893 | 577745 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[b]fluoranthene | PRY | Ave | 3581<br>473773 | 57955 | 110892 | 243740 | 329988 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[k]fluoranthene | PRY | Ave | 4279<br>477981 | 66045 | 126190 | 243266 | 364862 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[a]pyrene | PRY | Ave | 2492<br>394222 | 48243 | 91784 | 195608 | 279318 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Ave | 2004<br>332456 | 33153 | 65911 | 152363 | 225514 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 1992<br>322453 | 34446 | 68071 | 156186 | 230494 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 22589<br>315338 | 35251 | 64897 | 147352 | 218707 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorophenol | DCB | Ave | 52973<br>1077847 | 102288 | 177692 | 434665 | 655799 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol-d5 | DCB | Ave | 66868<br>1107588 | 124150 | 216954 | 520490 | 756640 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene-d5 | NPT | Ave | 60490<br>964488 | 112869 | 211930 | 467625 | 692493 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorobiphenyl | ANT | Ave | 112090<br>1681462 | 197832 | 361448 | 771230 | 1125454 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Tribromophenol | ANT | Ave | 10751<br>154239 | 20250 | 32646 | 71544 | 103629 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Terphenyl-d14 | CRY | Ave | 72516<br>777825 | 105824 | 200188 | 374927 | 534034 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3793.d
Report Date: 14-Sep-2009 13:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3793.d
Lab Smp Id: ICIS-154120
Inj Date : 14-SEP-2009 09:46
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : ICIS-154120
Misc Info : 50ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:27 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.822 | 1.822 | (0.405) | 186627 | 50.0000 | 48 |
| | 19 N-Nitrosodimethylamine | 74 | 2.057 | 2.057 | (0.457) | 276649 | 50.0000 | 49 |
| | 71 Pyridine | 79 | 2.081 | 2.081 | (0.463) | 469415 | 50.0000 | 48 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.204 | 3.204 | (0.712) | 434665 | 50.0000 | 48 |
| | 110 Benzaldehyde | 77 | 4.051 | 4.051 | (0.901) | 228584 | 50.0000 | 50 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.134 | 4.134 | (0.919) | 520490 | 50.0000 | 49 |
| | 1 Phenol | 94 | 4.151 | 4.151 | (0.923) | 560035 | 50.0000 | 49 |
| | 73 Aniline | 93 | 4.169 | 4.169 | (0.927) | 716782 | 50.0000 | 49 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.234 | 4.234 | (0.941) | 462664 | 50.0000 | 44 |
| | 2 2-Chlorophenol | 128 | 4.293 | 4.293 | (0.954) | 463661 | 50.0000 | 49 |
| | 113 n-decane | 43 | 4.340 | 4.340 | (0.965) | 397648 | 50.0000 | 51 |
| | 21 1,3-Dichlorobenzene | 146 | 4.446 | 4.446 | (0.988) | 522056 | 50.0000 | 48 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.498 | 4.498 | (1.000) | 249273 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.516 | 4.516 | (1.004) | 516923 | 50.0000 | 48 |
| | 74 Benzyl Alcohol | 108 | 4.640 | 4.640 | (1.031) | 316093 | 50.0000 | 51 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3793.d
Report Date: 14-Sep-2009 13:27

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 23 | 1,2-Dichlorobenzene | 146 | 4.669 | 4.669 | (1.038) | 497249 | 50.0000 | 48 |
| | 3 | 2-Methylphenol | 108 | 4.751 | 4.751 | (1.056) | 401238 | 50.0000 | 48 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.769 | 4.769 | (1.060) | 557361 | 50.0000 | 54 |
| | 104 | Acetophenone | 105 | 4.910 | 4.910 | (1.092) | 521618 | 50.0000 | 54 |
| | 4 | 4-Methylphenol | 108 | 4.910 | 4.910 | (1.092) | 382944 | 50.0000 | 52 |
| | 124 | 3 & 4 methylphenol | 108 | 4.910 | 4.910 | (1.092) | 382944 | 50.0000 | 52 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.934 | 4.934 | (1.097) | 299933 | 50.0000 | 55(MH) |
| | 26 | Hexachloroethane | 117 | 5.010 | 5.010 | (1.114) | 202053 | 50.0000 | 48 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 5.057 | 5.057 | (0.875) | 467625 | 50.0000 | 49 |
| | 27 | Nitrobenzene | 77 | 5.081 | 5.081 | (0.879) | 601968 | 50.0000 | 50 |
| | 107 | N,N-Dimethylaniline | 120 | 5.081 | 5.081 | (1.129) | 658964 | 50.0000 | 51 |
| | 28 | Isophorone | 82 | 5.322 | 5.322 | (0.921) | 850624 | 50.0000 | 48 |
| | 5 | 2-Nitrophenol | 139 | 5.393 | 5.393 | (0.933) | 221964 | 50.0000 | 48 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.440 | 5.440 | (0.941) | 379823 | 50.0000 | 49 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.534 | 5.534 | (0.957) | 493621 | 50.0000 | 48 |
| | 15 | Benzoic Acid | 122 | 5.592 | 5.592 | (0.967) | 110622 | 50.0000 | 43(M) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.640 | 5.640 | (0.976) | 333077 | 50.0000 | 48 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.722 | 5.722 | (0.990) | 383185 | 50.0000 | 48 |
| * | 80 | Naphthalene-d8 | 136 | 5.781 | 5.781 | (1.000) | 922836 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.804 | 5.804 | (1.004) | 1255724 | 50.0000 | 48 |
| | 32 | 4-Chloroaniline | 127 | 5.851 | 5.851 | (1.012) | 479235 | 50.0000 | 51 |
| | 33 | Hexachlorobutadiene | 225 | 5.934 | 5.934 | (1.026) | 223020 | 50.0000 | 48 |
| | 111 | Caprolactam | 113 | 6.251 | 6.251 | (1.081) | 102440 | 50.0000 | 45(M) |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.351 | 6.351 | (1.099) | 338368 | 50.0000 | 48 |
| | 34 | 2-Methylnaphthalene | 142 | 6.492 | 6.492 | (1.123) | 763554 | 50.0000 | 47 |
| | 120 | 1-Methylnaphthalene | 142 | 6.592 | 6.592 | (1.140) | 729723 | 50.0000 | 46 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.657 | 6.657 | (0.883) | 251495 | 50.0000 | 54 |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.698 | 6.698 | (1.159) | 497734 | 50.0000 | 46 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.781 | 6.781 | (0.899) | 209668 | 50.0000 | 49 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.822 | 6.822 | (0.905) | 200210 | 50.0000 | 49 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.863 | 6.863 | (0.910) | 771230 | 50.0000 | 48 |
| | 102 | Diphenyl | 154 | 6.963 | 6.963 | (0.924) | 866281 | 50.0000 | 48 |
| | 36 | 2-Chloronaphthalene | 162 | 6.987 | 6.987 | (0.927) | 668430 | 50.0000 | 48 |
| | 103 | Diphenyl Ether | 170 | 7.069 | 7.069 | (0.938) | 479568 | 50.0000 | 48 |
| | 37 | 2-Nitroaniline | 65 | 7.087 | 7.087 | (0.940) | 247849 | 50.0000 | 48 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.204 | 7.204 | (0.956) | 541894 | 50.0000 | 47 |
| | 38 | Dimethylphthalate | 163 | 7.269 | 7.269 | (0.964) | 672088 | 50.0000 | 48 |
| | 114 | Coumarin | 146 | 7.292 | 7.292 | (0.967) | 214497 | 50.0000 | 47 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.328 | 7.328 | (0.972) | 151137 | 50.0000 | 49 |
| | 39 | Acenaphthylene | 152 | 7.398 | 7.398 | (0.981) | 1071945 | 50.0000 | 48 |
| | 41 | 3-Nitroaniline | 138 | 7.492 | 7.492 | (0.994) | 158531 | 50.0000 | 50 |
| * | 82 | Acenaphthene-d10 | 164 | 7.539 | 7.539 | (1.000) | 442268 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.569 | 7.569 | (1.004) | 607026 | 50.0000 | 46 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.557 | 7.557 | (1.002) | 554318 | 50.0000 | 48 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.592 | 7.592 | (1.007) | 51445 | 50.0000 | 48 |
| | 12 | 4-Nitrophenol | 65 | 7.651 | 7.651 | (1.015) | 107795 | 50.0000 | 49 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.722 | 7.722 | (1.024) | 177756 | 50.0000 | 46 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3793.d
Report Date: 14-Sep-2009 13:27

| | | QUANT SIG | | | | | AMOUNTS CAL-AMT | ON-COL |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 43 Dibenzofuran | 168 | 7.739 | 7.739 | (1.027) | 872857 | 50.0000 | 47 |
| | 45 Diethylphthalate | 149 | 7.963 | 7.963 | (1.056) | 646504 | 50.0000 | 47 |
| | 47 Fluorene | 166 | 8.081 | 8.081 | (1.072) | 649545 | 50.0000 | 47 |
| | 46 4-Chlorophenyl-phenylether | 204 | 8.075 | 8.075 | (1.071) | 312102 | 50.0000 | 47 |
| | 48 4-Nitroaniline | 138 | 8.098 | 8.098 | (1.074) | 134347 | 50.0000 | 54 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 8.128 | 8.128 | (0.903) | 69272 | 50.0000 | 48 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.192 | 8.192 | (0.910) | 423132 | 50.0000 | 48 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.233 | 8.233 | (0.914) | 786137 | 50.0000 | 48 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.316 | 8.316 | (1.103) | 71544 | 50.0000 | 48 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.557 | 8.557 | (0.950) | 171721 | 50.0000 | 48 |
| | 51 Hexachlorobenzene | 284 | 8.633 | 8.633 | (0.959) | 160583 | 50.0000 | 48 |
| | 112 Atrazine | 200 | 8.722 | 8.722 | (0.969) | 135435 | 50.0000 | 52 |
| | 14 Pentachlorophenol | 266 | 8.816 | 8.816 | (0.979) | 80156 | 50.0000 | 48 |
| | 115 n-Octadecane | 57 | 8.898 | 8.898 | (0.988) | 442714 | 50.0000 | 49 |
| * | 83 Phenanthrene-d10 | 188 | 9.004 | 9.004 | (1.000) | 536322 | 40.0000 | |
| | 52 Phenanthrene | 178 | 9.028 | 9.028 | (1.003) | 784045 | 50.0000 | 49 |
| | 53 Anthracene | 178 | 9.080 | 9.080 | (1.008) | 773540 | 50.0000 | 48 |
| | 54 Carbazole | 167 | 9.233 | 9.233 | (1.025) | 623051 | 50.0000 | 48 |
| | 55 Di-n-butylphthalate | 149 | 9.575 | 9.575 | (1.063) | 821246 | 50.0000 | 48 |
| | 56 Fluoranthene | 202 | 10.204 | 10.204 | (1.133) | 635547 | 50.0000 | 48 |
| | 58 Benzidine | 184 | 10.327 | 10.327 | (1.147) | 75843 | 50.0000 | 41 |
| | 57 Pyrene | 202 | 10.433 | 10.433 | (0.883) | 614512 | 50.0000 | 50 |
| $ | 78 Terphenyl-d14 | 244 | 10.592 | 10.592 | (0.897) | 374927 | 50.0000 | 49 |
| | 59 Butylbenzylphthalate | 149 | 11.127 | 11.127 | (0.942) | 238614 | 50.0000 | 51 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 11.239 | 11.239 | (0.952) | 626 | 0.50000 | 0.50 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.763 | 11.763 | (0.996) | 89189 | 50.0000 | 49 |
| | 61 Benzo(a)anthracene | 228 | 11.798 | 11.798 | (0.999) | 370933 | 50.0000 | 49 |
| * | 81 Chrysene-d12 | 240 | 11.810 | 11.810 | (1.000) | 260473 | 40.0000 | |
| | 62 Chrysene | 228 | 11.845 | 11.845 | (1.003) | 327793 | 50.0000 | 49 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.833 | 11.833 | (1.002) | 297134 | 50.0000 | 50 |
| | 64 Di-n-octylphthalate | 149 | 12.710 | 12.710 | (0.923) | 380893 | 50.0000 | 50 |
| | 65 Benzo(b)fluoranthene | 252 | 13.233 | 13.233 | (0.962) | 243740 | 50.0000 | 54 |
| | 66 Benzo(k)fluoranthene | 252 | 13.268 | 13.268 | (0.964) | 243266 | 50.0000 | 49 |
| | 67 Benzo(a)pyrene | 252 | 13.680 | 13.680 | (0.994) | 195608 | 50.0000 | 53 |
| * | 84 Perylene-d12 | 264 | 13.763 | 13.763 | (1.000) | 151810 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.333 | 15.333 | (1.114) | 152363 | 50.0000 | 54 |
| | 69 Dibenz(a,h)anthracene | 278 | 15.374 | 15.374 | (1.117) | 156186 | 50.0000 | 54 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.780 | 15.780 | (1.147) | 147352 | 50.0000 | 52 |

QC Flag Legend

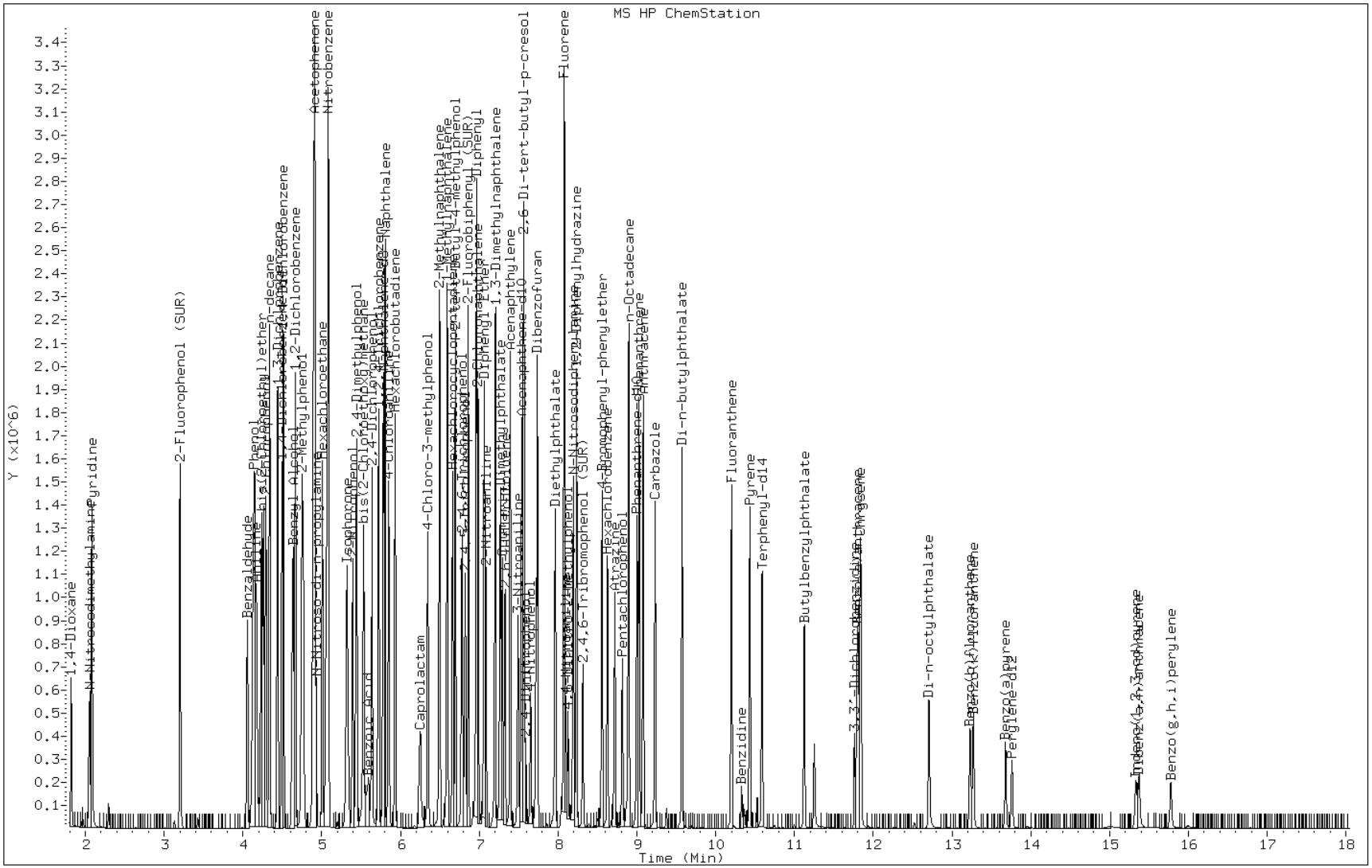
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z3793.d

Date: 14-SEP-2009 09:46

Client ID: Instrument: BNAMS11.i

Sample Info: ICIS-154120 Operator: BNAMS 4



# Manual Integration Report

Data File: z3793.d
Inj. Date and Time: 14-SEP-2009 09:46
Instrument ID: BNAMS11.i
Client ID:
Compound: 111 Caprolactam
CAS #: 105-60-2
Report Date: 09/16/2009

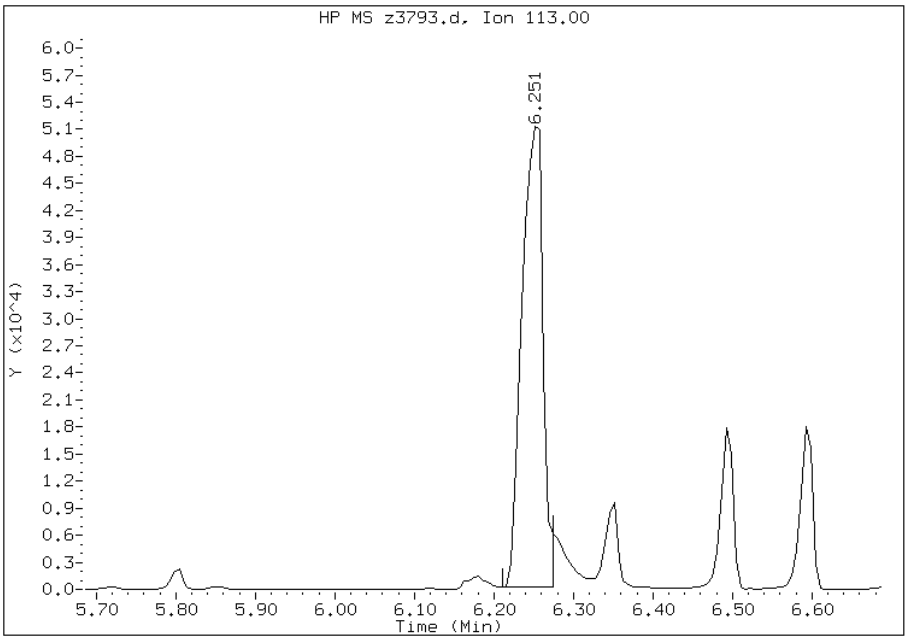
## Processing Integration Results

RT: 6.25

Response: 95621

Amount: 50

Conc: 50



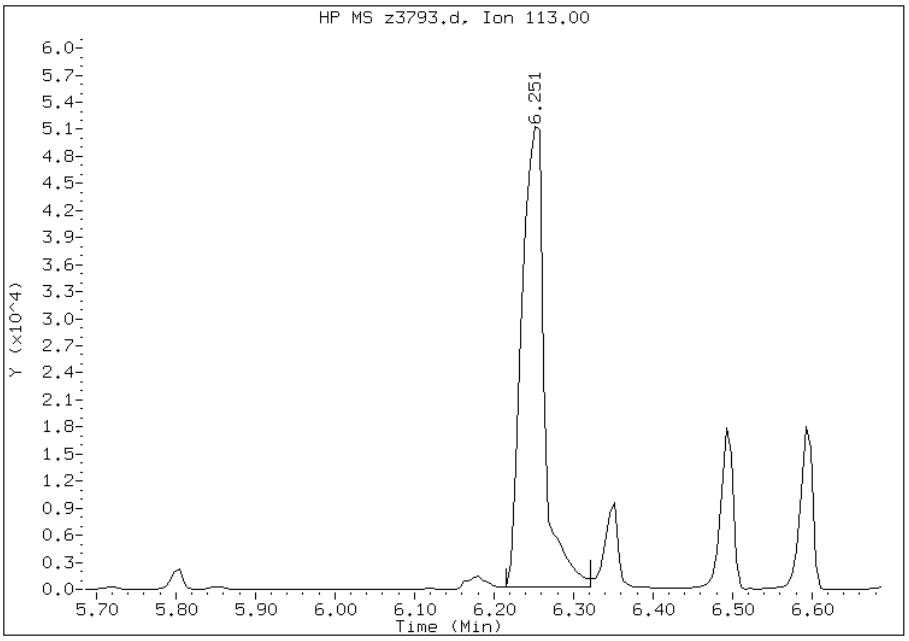

## Manual Integration Results

RT: 6.25

Response: 102440

Amount: 45

Conc: 45




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3793.d
Inj. Date and Time: 14-SEP-2009 09:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/16/2009

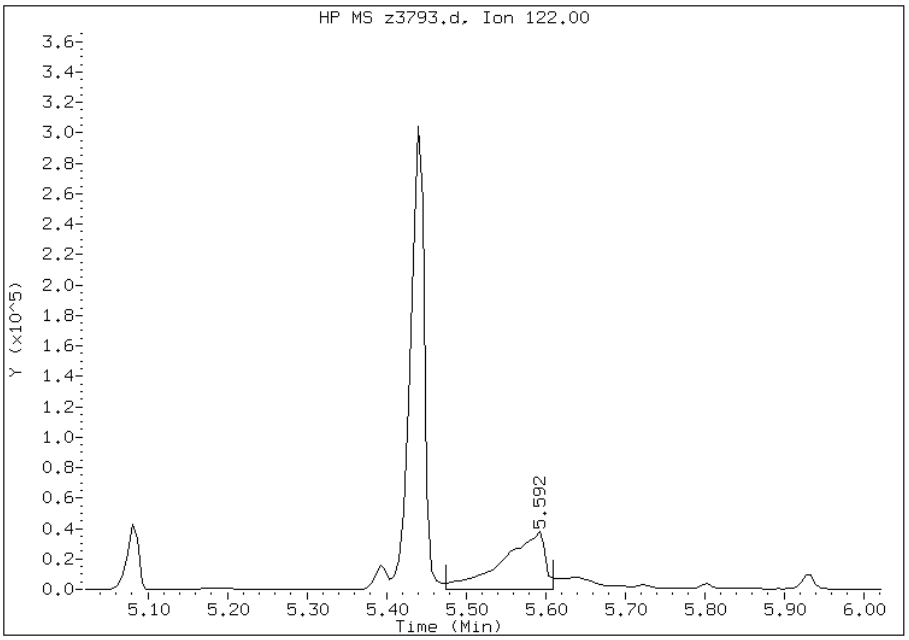
## Processing Integration Results

RT: 5.59

Response: 139928

Amount: 50

Conc: 50



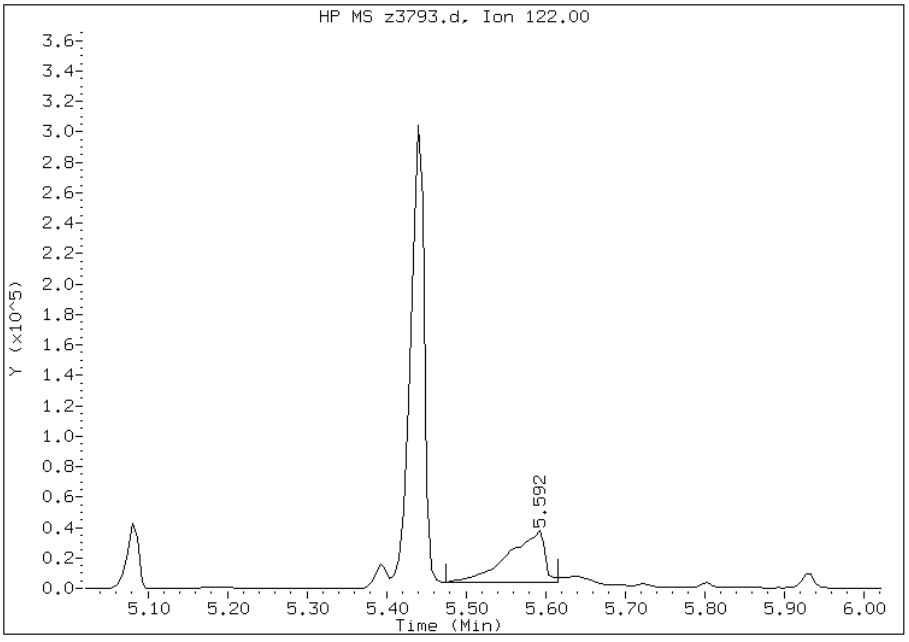

## Manual Integration Results

RT: 5.59

Response: 110622

Amount: 43

Conc: 43




Manually Integrated By: rusin
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: z3793.d
Inj. Date and Time: 14-SEP-2009 09:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/16/2009

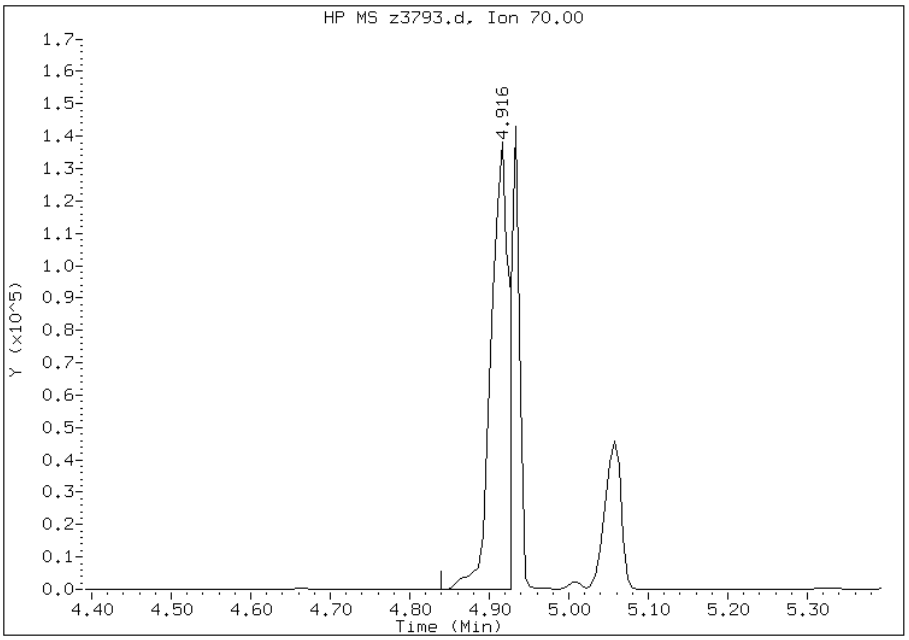
## Processing Integration Results

RT: 4.92

Response: 226279

Amount: 50

Conc: 50



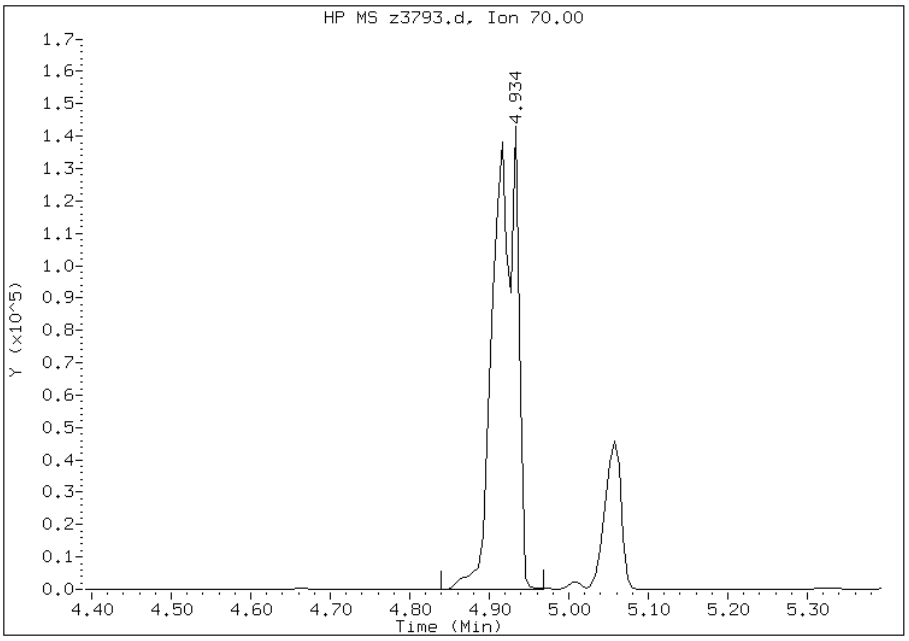

## Manual Integration Results

RT: 4.93

Response: 299933

Amount: 55

Conc: 55




Manually Integrated By: rusin
Manual Integration Reason: Split Peak

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3794.d
Report Date: 14-Sep-2009 13:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3794.d
Lab Smp Id: IC-154124
Inj Date : 14-SEP-2009 10:20
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154124
Misc Info : 120ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:27 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.904 | 1.904 | (0.423) | 476997 | 120.000 | 120(A) |
| | 19 N-Nitrosodimethylamine | 74 | 2.163 | 2.163 | (0.480) | 695404 | 120.000 | 120(A) |
| | 71 Pyridine | 79 | 2.187 | 2.187 | (0.485) | 1179583 | 120.000 | 120 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.257 | 3.257 | (0.723) | 1077847 | 120.000 | 120 |
| | 110 Benzaldehyde | 77 | 4.069 | 4.069 | (0.903) | 221992 | 120.000 | 48 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.163 | 4.163 | (0.924) | 1107588 | 120.000 | 100 |
| | 1 Phenol | 94 | 4.181 | 4.181 | (0.928) | 1293057 | 120.000 | 110 |
| | 73 Aniline | 93 | 4.187 | 4.187 | (0.929) | 1026185 | 120.000 | 70 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.251 | 4.251 | (0.944) | 1550943 | 120.000 | 150(AM) |
| | 2 2-Chlorophenol | 128 | 4.316 | 4.316 | (0.958) | 1009226 | 120.000 | 110 |
| | 113 n-decane | 43 | 4.346 | 4.346 | (0.965) | 776187 | 120.000 | 120(A) |
| | 21 1,3-Dichlorobenzene | 146 | 4.457 | 4.457 | (0.990) | 1208475 | 120.000 | 110 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.504 | 4.504 | (1.000) | 250942 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.528 | 4.528 | (1.005) | 1166413 | 120.000 | 110 |
| | 74 Benzyl Alcohol | 108 | 4.663 | 4.663 | (1.035) | 681759 | 120.000 | 110 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3794.d
Report Date: 14-Sep-2009 13:27

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | ========== | ==== | == | ====== | ====== | ======== | ======= | ======= |
| 23 | 1,2-Dichlorobenzene | 146 | 4.681 | 4.681 | (1.039) | 1066579 | 120.000 | 100 |
| 3 | 2-Methylphenol | 108 | 4.769 | 4.769 | (1.059) | 850134 | 120.000 | 100 |
| 24 | bis (2-chloroisopropyl) ether | 45 | 4.781 | 4.781 | (1.061) | 1034826 | 120.000 | 120(A) |
| 104 | Acetophenone | 105 | 4.934 | 4.934 | (1.095) | 1129409 | 120.000 | 120 |
| 4 | 4-Methylphenol | 108 | 4.940 | 4.940 | (1.097) | 876498 | 120.000 | 120 |
| 124 | 3 & 4 methylphenol | 108 | 4.940 | 4.940 | (1.097) | 876498 | 120.000 | 120 |
| 25 | N-Nitroso-di-n-propylamine | 70 | 4.969 | 4.969 | (1.103) | 643963 | 120.000 | 120 |
| 26 | Hexachloroethane | 117 | 5.016 | 5.016 | (1.114) | 431849 | 120.000 | 100 |
| $ 76 | Nitrobenzene-d5 (SUR) | 82 | 5.081 | 5.081 | (0.878) | 964488 | 120.000 | 100 |
| 27 | Nitrobenzene | 77 | 5.104 | 5.104 | (0.882) | 1182098 | 120.000 | 120(A) |
| 107 | N,N-Dimethylaniline | 120 | 5.104 | 5.104 | (1.133) | 1352083 | 120.000 | 120(A) |
| 28 | Isophorone | 82 | 5.357 | 5.357 | (0.926) | 1846601 | 120.000 | 110(MH) |
| 5 | 2-Nitrophenol | 139 | 5.410 | 5.410 | (0.935) | 525809 | 120.000 | 120 |
| 6 | 2,4-Dimethylphenol | 122 | 5.463 | 5.463 | (0.944) | 812338 | 120.000 | 110 |
| 29 | bis(2-Chloroethoxy)methane | 93 | 5.545 | 5.545 | (0.958) | 1069583 | 120.000 | 110 |
| 15 | Benzoic Acid | 122 | 5.663 | 5.663 | (0.979) | 329293 | 120.000 | 130(AM) |
| 7 | 2,4-Dichlorophenol | 162 | 5.657 | 5.657 | (0.978) | 727590 | 120.000 | 110 |
| 30 | 1,2,4-Trichlorobenzene | 180 | 5.734 | 5.734 | (0.991) | 866877 | 120.000 | 110 |
| * 80 | Naphthalene-d8 | 136 | 5.787 | 5.787 | (1.000) | 890619 | 40.0000 | |
| 31 | Naphthalene | 128 | 5.816 | 5.816 | (1.005) | 2691175 | 120.000 | 110 |
| 32 | 4-Chloroaniline | 127 | 5.863 | 5.863 | (1.013) | 946476 | 120.000 | 120(A) |
| 33 | Hexachlorobutadiene | 225 | 5.939 | 5.939 | (1.026) | 518744 | 120.000 | 120 |
| 111 | Caprolactam | 113 | 6.322 | 6.322 | (1.093) | 212059 | 120.000 | 96(H) |
| 8 | 4-Chloro-3-methylphenol | 107 | 6.369 | 6.369 | (1.101) | 728536 | 120.000 | 110 |
| 34 | 2-Methylnaphthalene | 142 | 6.504 | 6.504 | (1.124) | 1638847 | 120.000 | 100 |
| 120 | 1-Methylnaphthalene | 142 | 6.604 | 6.604 | (1.141) | 1606670 | 120.000 | 100 |
| 35 | Hexachlorocyclopentadiene | 237 | 6.663 | 6.663 | (0.884) | 557207 | 120.000 | 130(A) |
| 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.710 | 6.710 | (1.160) | 1101570 | 120.000 | 100(MH) |
| 9 | 2,4,6-Trichlorophenol | 196 | 6.792 | 6.792 | (0.901) | 538563 | 120.000 | 140(A) |
| 10 | 2,4,5-Trichlorophenol | 196 | 6.839 | 6.839 | (0.907) | 382880 | 120.000 | 100 |
| $ 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.875 | 6.875 | (0.912) | 1681462 | 120.000 | 120 |
| 102 | Diphenyl | 154 | 6.975 | 6.975 | (0.925) | 1795786 | 120.000 | 110 |
| 36 | 2-Chloronaphthalene | 162 | 6.992 | 6.992 | (0.927) | 1401609 | 120.000 | 110 |
| 103 | Diphenyl Ether | 170 | 7.075 | 7.075 | (0.938) | 1038988 | 120.000 | 110 |
| 37 | 2-Nitroaniline | 65 | 7.098 | 7.098 | (0.941) | 384835 | 120.000 | 82(H) |
| 123 | 1,3-Dimethylnaphthalene | 156 | 7.210 | 7.210 | (0.956) | 1169044 | 120.000 | 110 |
| 38 | Dimethylphthalate | 163 | 7.281 | 7.281 | (0.966) | 1332829 | 120.000 | 100 |
| 114 | Coumarin | 146 | 7.310 | 7.310 | (0.970) | 452890 | 120.000 | 110 |
| 40 | 2,6-Dinitrotoluene | 165 | 7.339 | 7.339 | (0.973) | 319171 | 120.000 | 110 |
| 39 | Acenaphthylene | 152 | 7.410 | 7.410 | (0.983) | 2193123 | 120.000 | 110 |
| 41 | 3-Nitroaniline | 138 | 7.510 | 7.510 | (0.996) | 268371 | 120.000 | 92 |
| * 82 | Acenaphthene-d10 | 164 | 7.539 | 7.539 | (1.000) | 405491 | 40.0000 | |
| 42 | Acenaphthene | 154 | 7.581 | 7.581 | (1.005) | 1256161 | 120.000 | 100 |
| 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.563 | 7.563 | (1.003) | 1205642 | 120.000 | 110 |
| 11 | 2,4-Dinitrophenol | 184 | 7.610 | 7.610 | (1.009) | 120093 | 120.000 | 120(AH) |
| 12 | 4-Nitrophenol | 65 | 7.669 | 7.669 | (1.017) | 211371 | 120.000 | 100 |
| 44 | 2,4-Dinitrotoluene | 165 | 7.739 | 7.739 | (1.027) | 379879 | 120.000 | 110 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3794.d
Report Date: 14-Sep-2009 13:27

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 Dibenzofuran | 168 | 7.751 | 7.751 | (1.028) | 1822105 | 120.000 | 110 |
| | 45 Diethylphthalate | 149 | 7.981 | 7.981 | (1.058) | 1372988 | 120.000 | 110 |
| | 47 Fluorene | 166 | 8.092 | 8.092 | (1.073) | 1360389 | 120.000 | 110 |
| | 46 4-Chlorophenyl-phenylether | 204 | 8.081 | 8.081 | (1.072) | 683460 | 120.000 | 110 |
| | 48 4-Nitroaniline | 138 | 8.122 | 8.122 | (1.077) | 264018 | 120.000 | 120 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 8.145 | 8.145 | (0.904) | 148205 | 120.000 | 110 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.204 | 8.204 | (0.911) | 911947 | 120.000 | 110 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.239 | 8.239 | (0.914) | 1721810 | 120.000 | 120 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.328 | 8.328 | (1.105) | 154239 | 120.000 | 110 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.563 | 8.563 | (0.950) | 383738 | 120.000 | 120 |
| | 51 Hexachlorobenzene | 284 | 8.639 | 8.639 | (0.959) | 353187 | 120.000 | 120 |
| | 112 Atrazine | 200 | 8.728 | 8.728 | (0.969) | 218554 | 120.000 | 120 |
| | 14 Pentachlorophenol | 266 | 8.822 | 8.822 | (0.979) | 183891 | 120.000 | 120(A) |
| | 115 n-Octadecane | 57 | 8.898 | 8.898 | (0.988) | 863746 | 120.000 | 100 |
| * | 83 Phenanthrene-d10 | 188 | 9.010 | 9.010 | (1.000) | 484192 | 40.0000 | |
| | 52 Phenanthrene | 178 | 9.039 | 9.039 | (1.003) | 1638614 | 120.000 | 110 |
| | 53 Anthracene | 178 | 9.086 | 9.086 | (1.008) | 1557188 | 120.000 | 110 |
| | 54 Carbazole | 167 | 9.239 | 9.239 | (1.025) | 1226593 | 120.000 | 100 |
| | 55 Di-n-butylphthalate | 149 | 9.575 | 9.575 | (1.063) | 1706460 | 120.000 | 110 |
| | 56 Fluoranthene | 202 | 10.210 | 10.210 | (1.133) | 1278210 | 120.000 | 100 |
| | 58 Benzidine | 184 | 10.327 | 10.327 | (1.146) | 102050 | 120.000 | 61 |
| | 57 Pyrene | 202 | 10.439 | 10.439 | (0.884) | 1209971 | 120.000 | 120 |
| $ | 78 Terphenyl-d14 | 244 | 10.592 | 10.592 | (0.896) | 777825 | 120.000 | 120(A) |
| | 59 Butylbenzylphthalate | 149 | 11.127 | 11.127 | (0.942) | 477676 | 120.000 | 120(A) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.769 | 11.769 | (0.996) | 160685 | 120.000 | 100 |
| | 61 Benzo(a)anthracene | 228 | 11.804 | 11.804 | (0.999) | 742021 | 120.000 | 120 |
| * | 81 Chrysene-d12 | 240 | 11.816 | 11.816 | (1.000) | 215997 | 40.0000 | |
| | 62 Chrysene | 228 | 11.851 | 11.851 | (1.003) | 598088 | 120.000 | 110 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.839 | 11.839 | (1.002) | 614660 | 120.000 | 120(A) |
| | 64 Di-n-octylphthalate | 149 | 12.710 | 12.710 | (0.923) | 815107 | 120.000 | 130(A) |
| | 65 Benzo(b)fluoranthene | 252 | 13.239 | 13.239 | (0.962) | 473773 | 120.000 | 120(A) |
| | 66 Benzo(k)fluoranthene | 252 | 13.280 | 13.280 | (0.965) | 477981 | 120.000 | 120 |
| | 67 Benzo(a)pyrene | 252 | 13.692 | 13.692 | (0.995) | 394222 | 120.000 | 130(A) |
| * | 84 Perylene-d12 | 264 | 13.763 | 13.763 | (1.000) | 125864 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.351 | 15.351 | (1.115) | 332456 | 120.000 | 140(A) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.386 | 15.386 | (1.118) | 322453 | 120.000 | 130(A) |
| | 70 Benzo(g,h,i)perylene | 276 | 15.798 | 15.798 | (1.148) | 315338 | 120.000 | 130(A) |

QC Flag Legend

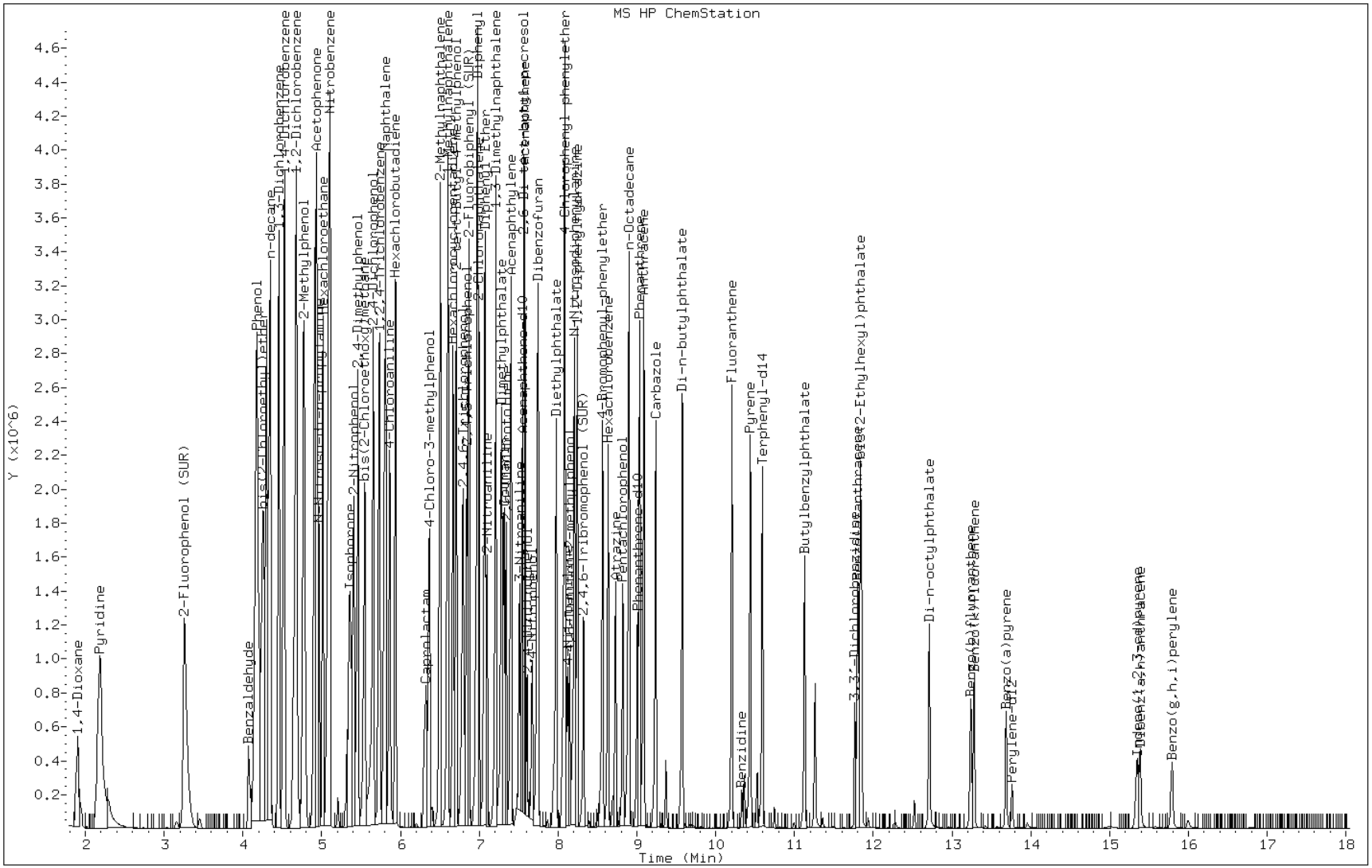
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z3794.d

Date: 14-SEP-2009 10:20

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154124 Operator: BNAMS 4



# Manual Integration Report

Data File: z3794.d
Inj. Date and Time: 14-SEP-2009 10:20
Instrument ID: BNAMS11.i
Client ID:
Compound:  20 bis(2-Chloroethyl)ether
CAS #: 111-44-4
Report Date: 09/16/2009

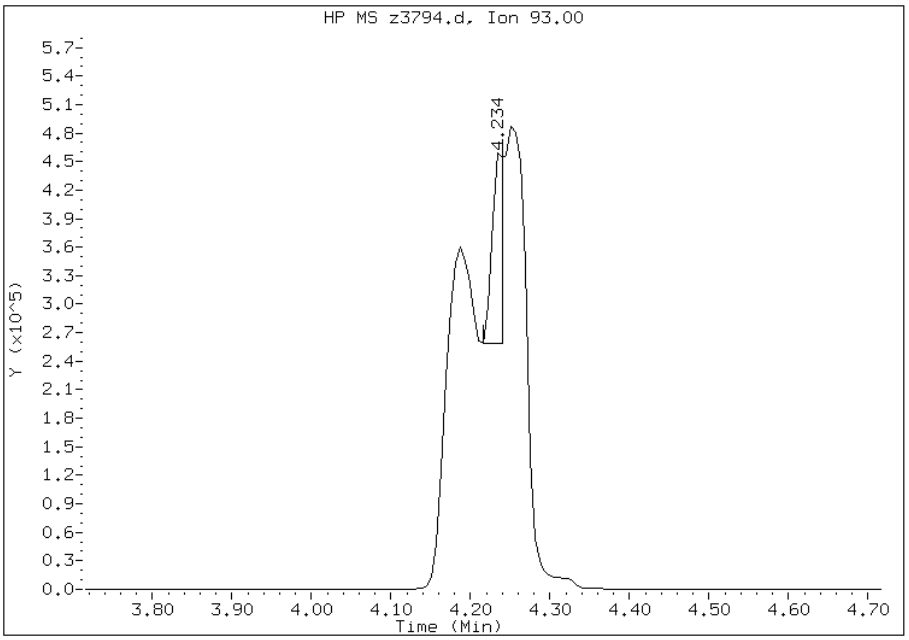
## Processing Integration Results

RT: 4.23

Response: 199961

Amount: 36

Conc: 36



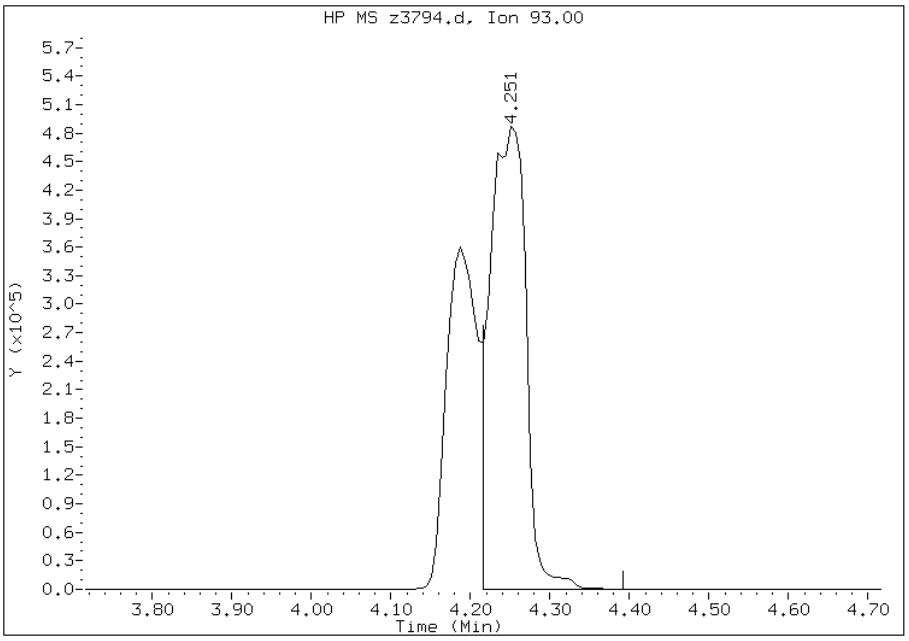

## Manual Integration Results

RT: 4.25

Response: 1550943

Amount: 147

Conc: 147




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3794.d
Inj. Date and Time: 14-SEP-2009 10:20
Instrument ID: BNAMS11.i
Client ID:
Compound:  28 Isophorone
CAS #: 78-59-1
Report Date: 09/16/2009

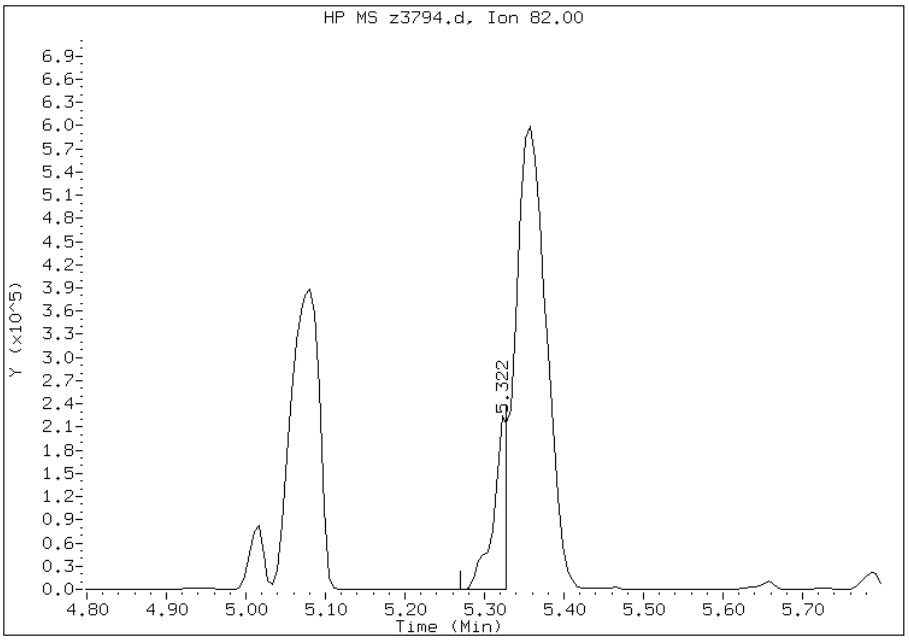
## Processing Integration Results

RT: 5.32

Response: 286788

Amount: 20

Conc: 20



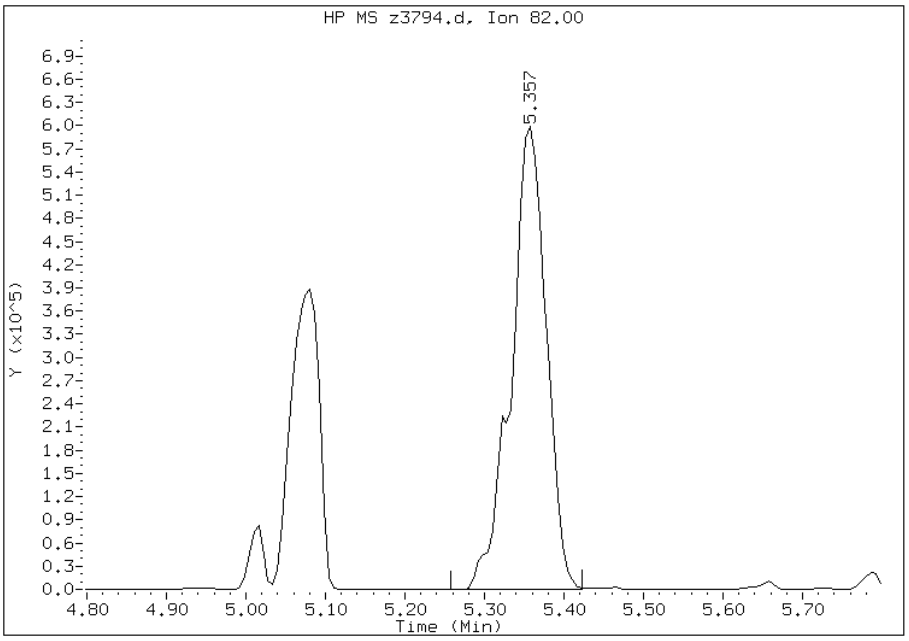

## Manual Integration Results

RT: 5.36

Response: 1846601

Amount: 108

Conc: 108




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3794.d
Inj. Date and Time: 14-SEP-2009 10:20
Instrument ID: BNAMS11.i
Client ID:
Compound: 121 2-tert-Butyl-4-methylphenol
CAS #: 2409-55-4
Report Date: 09/16/2009

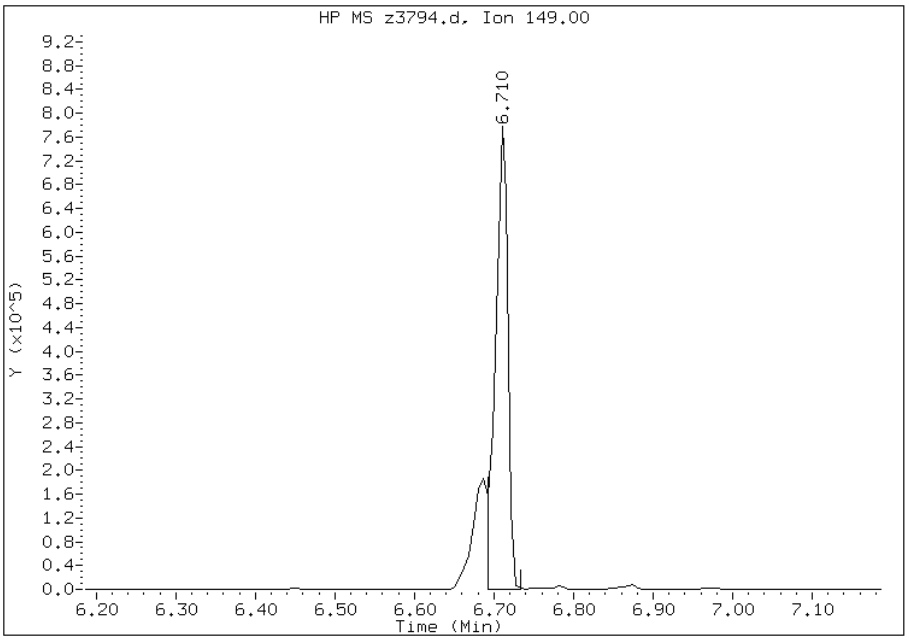
## Processing Integration Results

RT: 6.71

Response: 892760

Amount: 91

Conc: 91



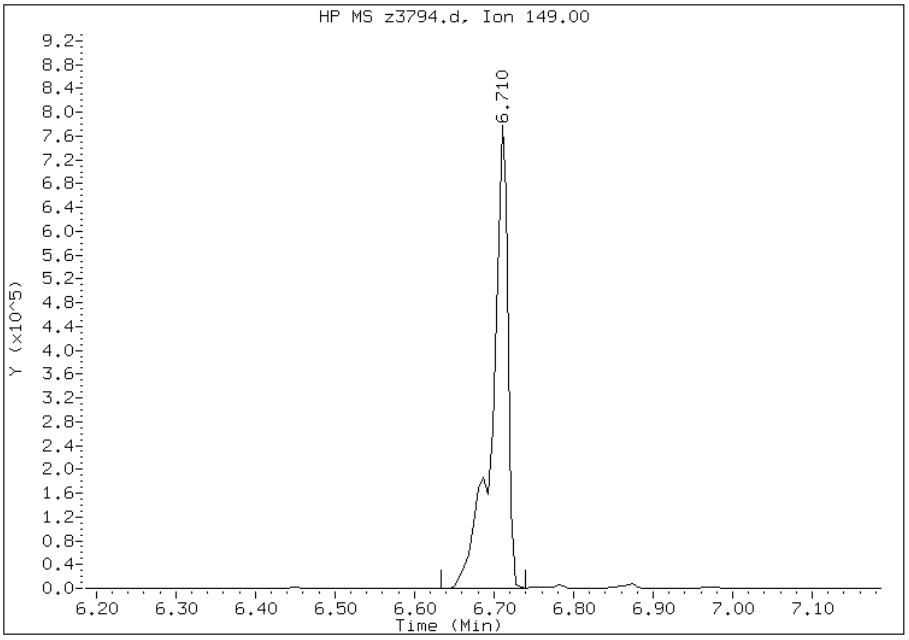

## Manual Integration Results

RT: 6.71

Response: 1101570

Amount: 105

Conc: 105




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3794.d
Inj. Date and Time: 14-SEP-2009 10:20
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/16/2009

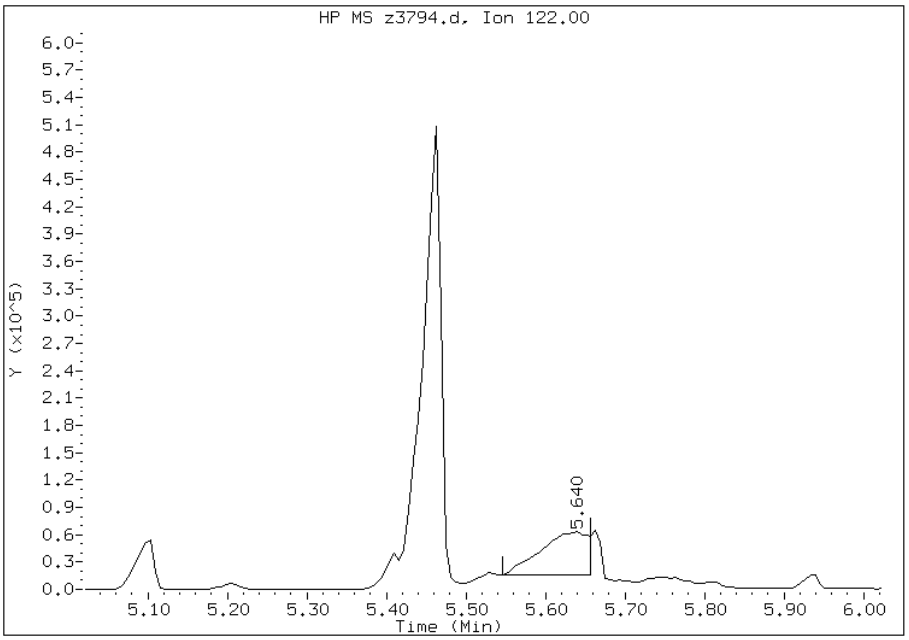
## Processing Integration Results

RT: 5.64

Response: 195594

Amount: 163

Conc: 163



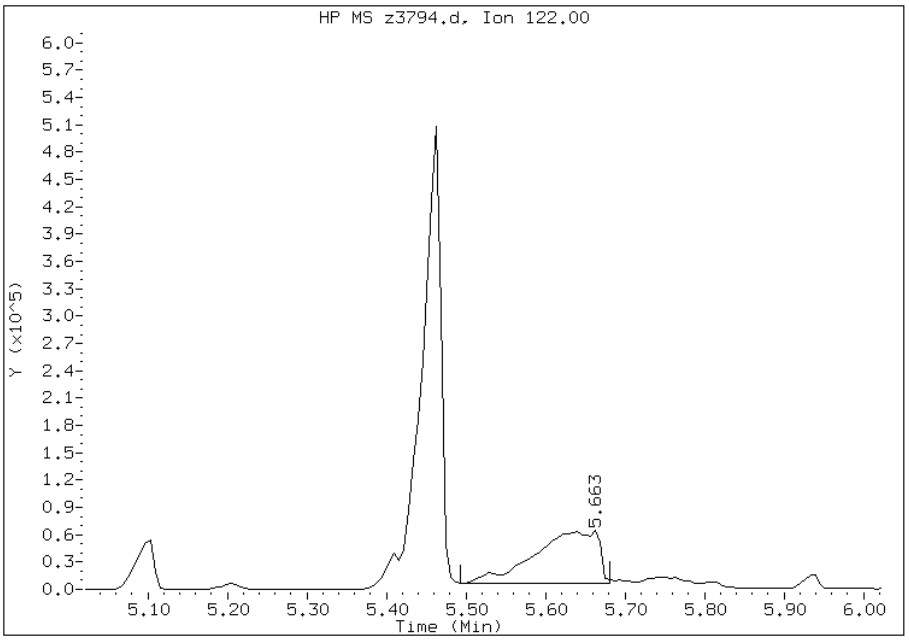

## Manual Integration Results

RT: 5.66

Response: 329293

Amount: 133

Conc: 133




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3795.d
Report Date: 14-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3795.d
Lab Smp Id: IC-154121
Inj Date : 14-SEP-2009 10:44
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154121
Misc Info : 5ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:28 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.828 | 1.828 | (0.407) | 22422 | 5.00000 | 5.3 |
| | 19 N-Nitrosodimethylamine | 74 | 2.051 | 2.051 | (0.457) | 32083 | 5.00000 | 5.2(H) |
| | 71 Pyridine | 79 | 2.093 | 2.093 | (0.466) | 57302 | 5.00000 | 5.4(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.198 | 3.198 | (0.713) | 52973 | 5.00000 | 5.4 |
| | 110 Benzaldehyde | 77 | 4.045 | 4.045 | (0.902) | 28635 | 5.00000 | 5.7 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.104 | 4.104 | (0.915) | 66868 | 5.00000 | 5.7(H) |
| | 1 Phenol | 94 | 4.116 | 4.116 | (0.917) | 68749 | 5.00000 | 5.6(H) |
| | 73 Aniline | 93 | 4.151 | 4.151 | (0.925) | 87007 | 5.00000 | 5.4 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.210 | 4.210 | (0.938) | 6143 | 0.50000 | 0.54 |
| | 2 2-Chlorophenol | 128 | 4.275 | 4.275 | (0.953) | 58065 | 5.00000 | 5.6 |
| | 113 n-decane | 43 | 4.334 | 4.334 | (0.966) | 58260 | 5.00000 | 5.5 |
| | 21 1,3-Dichlorobenzene | 146 | 4.434 | 4.434 | (0.988) | 66105 | 5.00000 | 5.6 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.487 | 4.487 | (1.000) | 271403 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.504 | 4.504 | (1.004) | 65719 | 5.00000 | 5.6 |
| | 74 Benzyl Alcohol | 108 | 4.616 | 4.616 | (1.029) | 36269 | 5.00000 | 5.3(H) |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3795.d
Report Date: 14-Sep-2009 13:28

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 23 | 1,2-Dichlorobenzene | 146 | 4.657 | 4.657 | (1.038) | 64995 | 5.00000 | 5.8 |
| | 3 | 2-Methylphenol | 108 | 4.728 | 4.728 | (1.054) | 52113 | 5.00000 | 5.8 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.757 | 4.757 | (1.060) | 79767 | 5.00000 | 5.4 |
| | 104 | Acetophenone | 105 | 4.887 | 4.887 | (1.089) | 80824 | 5.00000 | 7.7(H) |
| | 4 | 4-Methylphenol | 108 | 4.881 | 4.881 | (1.088) | 57428 | 5.00000 | 7.2 |
| | 124 | 3 & 4 methylphenol | 108 | 4.881 | 4.881 | (1.088) | 57428 | 5.00000 | 7.2(aH) |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.887 | 4.887 | (1.089) | 4243 | 0.50000 | 0.71 |
| | 26 | Hexachloroethane | 117 | 5.004 | 5.004 | (1.115) | 2611 | 0.50000 | 0.57 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 5.039 | 5.039 | (0.873) | 60490 | 5.00000 | 5.4 |
| | 27 | Nitrobenzene | 77 | 5.057 | 5.057 | (0.876) | 9047 | 0.50000 | 0.54(H) |
| | 107 | N,N-Dimethylaniline | 120 | 5.063 | 5.063 | (1.128) | 10786 | 0.50000 | 0.64 |
| | 28 | Isophorone | 82 | 5.298 | 5.298 | (0.917) | 115665 | 5.00000 | 5.6 |
| | 5 | 2-Nitrophenol | 139 | 5.381 | 5.381 | (0.932) | 27338 | 5.00000 | 5.1 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.422 | 5.422 | (0.939) | 51847 | 5.00000 | 5.7 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.516 | 5.516 | (0.955) | 67690 | 5.00000 | 5.7 |
| | 15 | Benzoic Acid | 122 | 5.498 | 5.498 | (0.952) | 13548 | 5.00000 | 4.6(aMH) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.622 | 5.622 | (0.974) | 45348 | 5.00000 | 5.6 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.716 | 5.716 | (0.990) | 5288 | 0.50000 | 0.57 |
| * | 80 | Naphthalene-d8 | 136 | 5.775 | 5.775 | (1.000) | 1072064 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.792 | 5.792 | (1.003) | 172352 | 5.00000 | 5.6 |
| | 32 | 4-Chloroaniline | 127 | 5.839 | 5.839 | (1.011) | 68699 | 5.00000 | 5.4 |
| | 33 | Hexachlorobutadiene | 225 | 5.928 | 5.928 | (1.026) | 5752 | 1.00000 | 1.1 |
| | 111 | Caprolactam | 113 | 6.169 | 6.169 | (1.068) | 15323 | 5.00000 | 5.8 |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.328 | 6.328 | (1.096) | 47305 | 5.00000 | 5.8 |
| | 34 | 2-Methylnaphthalene | 142 | 6.486 | 6.486 | (1.123) | 112993 | 5.00000 | 5.9 |
| | 120 | 1-Methylnaphthalene | 142 | 6.586 | 6.586 | (1.141) | 108695 | 5.00000 | 5.9 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.657 | 6.657 | (0.884) | 27377 | 5.00000 | 4.4(a) |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.686 | 6.686 | (1.158) | 74959 | 5.00000 | 5.9 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.769 | 6.769 | (0.898) | 28315 | 5.00000 | 4.9(aH) |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.804 | 6.804 | (0.903) | 29843 | 5.00000 | 5.5 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.851 | 6.851 | (0.909) | 112090 | 5.00000 | 5.3 |
| | 102 | Diphenyl | 154 | 6.951 | 6.951 | (0.923) | 133698 | 5.00000 | 5.6 |
| | 36 | 2-Chloronaphthalene | 162 | 6.969 | 6.969 | (0.925) | 101101 | 5.00000 | 5.5 |
| | 103 | Diphenyl Ether | 170 | 7.057 | 7.057 | (0.937) | 71410 | 5.00000 | 5.4 |
| | 37 | 2-Nitroaniline | 65 | 7.069 | 7.069 | (0.938) | 66087 | 10.0000 | 9.7(a) |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.192 | 7.192 | (0.955) | 83190 | 5.00000 | 5.5 |
| | 38 | Dimethylphthalate | 163 | 7.251 | 7.251 | (0.963) | 108114 | 5.00000 | 5.7 |
| | 114 | Coumarin | 146 | 7.275 | 7.275 | (0.966) | 35226 | 5.00000 | 5.8(H) |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.310 | 7.310 | (0.970) | 4249 | 1.00000 | 1.0 |
| | 39 | Acenaphthylene | 152 | 7.386 | 7.386 | (0.980) | 165320 | 5.00000 | 5.6 |
| | 41 | 3-Nitroaniline | 138 | 7.475 | 7.475 | (0.992) | 49000 | 10.0000 | 12(H) |
| * | 82 | Acenaphthene-d10 | 164 | 7.533 | 7.533 | (1.000) | 588489 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.557 | 7.557 | (1.003) | 105585 | 5.00000 | 6.0 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.545 | 7.545 | (1.002) | 82422 | 5.00000 | 5.4 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.575 | 7.575 | (1.005) | 18743 | 15.0000 | 13(a) |
| | 12 | 4-Nitrophenol | 65 | 7.639 | 7.639 | (1.014) | 48967 | 15.0000 | 17 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.704 | 7.704 | (1.023) | 5728 | 1.00000 | 1.1 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3795.d
Report Date: 14-Sep-2009 13:28

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 Dibenzofuran | 168 | 7.728 | 7.728 | (1.026) | 137493 | 5.00000 | 5.6 |
| | 45 Diethylphthalate | 149 | 7.951 | 7.951 | (1.055) | 104597 | 5.00000 | 5.7 |
| | 47 Fluorene | 166 | 8.069 | 8.069 | (1.071) | 106454 | 5.00000 | 5.8 |
| | 46 4-Chlorophenyl-phenylether | 204 | 8.063 | 8.063 | (1.070) | 49624 | 5.00000 | 5.6 |
| | 48 4-Nitroaniline | 138 | 8.080 | 8.080 | (1.073) | 45135 | 10.0000 | 14 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 8.110 | 8.110 | (0.901) | 29991 | 15.0000 | 14(a) |
| | 49 N-Nitrosodiphenylamine | 169 | 8.180 | 8.180 | (0.909) | 73632 | 5.00000 | 5.5 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.222 | 8.222 | (0.914) | 130880 | 5.00000 | 5.3 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.304 | 8.304 | (1.102) | 10751 | 5.00000 | 5.4 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.545 | 8.545 | (0.950) | 27518 | 5.00000 | 5.1 |
| | 51 Hexachlorobenzene | 284 | 8.622 | 8.622 | (0.958) | 2708 | 0.50000 | 0.53 |
| | 112 Atrazine | 200 | 8.704 | 8.704 | (0.967) | 24280 | 5.00000 | 4.2(a) |
| | 14 Pentachlorophenol | 266 | 8.810 | 8.810 | (0.979) | 37616 | 15.0000 | 15 |
| | 115 n-Octadecane | 57 | 8.886 | 8.886 | (0.988) | 76101 | 5.00000 | 5.5 |
| * | 83 Phenanthrene-d10 | 188 | 8.998 | 8.998 | (1.000) | 818078 | 40.0000 | |
| | 52 Phenanthrene | 178 | 9.022 | 9.022 | (1.003) | 135456 | 5.00000 | 5.6 |
| | 53 Anthracene | 178 | 9.069 | 9.069 | (1.008) | 137257 | 5.00000 | 5.6 |
| | 54 Carbazole | 167 | 9.222 | 9.222 | (1.025) | 115583 | 5.00000 | 5.8 |
| | 55 Di-n-butylphthalate | 149 | 9.563 | 9.563 | (1.063) | 142843 | 5.00000 | 5.5 |
| | 56 Fluoranthene | 202 | 10.192 | 10.192 | (1.133) | 118038 | 5.00000 | 5.8 |
| | 58 Benzidine | 184 | 10.321 | 10.321 | (1.147) | 9623 | 5.00000 | 3.4(a) |
| | 57 Pyrene | 202 | 10.421 | 10.421 | (0.883) | 115051 | 5.00000 | 5.0 |
| $ | 78 Terphenyl-d14 | 244 | 10.580 | 10.580 | (0.896) | 72516 | 5.00000 | 5.0 |
| | 59 Butylbenzylphthalate | 149 | 11.116 | 11.116 | (0.942) | 42437 | 5.00000 | 4.8(a) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.757 | 11.757 | (0.996) | 34243 | 10.0000 | 10 |
| | 61 Benzo(a)anthracene | 228 | 11.792 | 11.792 | (0.999) | 8076 | 0.50000 | 0.57 |
| * | 81 Chrysene-d12 | 240 | 11.804 | 11.804 | (1.000) | 488025 | 40.0000 | |
| | 62 Chrysene | 228 | 11.833 | 11.833 | (1.002) | 67619 | 5.00000 | 5.4 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.827 | 11.827 | (1.002) | 53984 | 5.00000 | 4.8(a) |
| | 64 Di-n-octylphthalate | 149 | 12.698 | 12.698 | (0.923) | 60644 | 5.00000 | 4.4(a) |
| | 65 Benzo(b)fluoranthene | 252 | 13.221 | 13.221 | (0.961) | 3581 | 0.50000 | 0.43(a) |
| | 66 Benzo(k)fluoranthene | 252 | 13.257 | 13.257 | (0.964) | 4279 | 0.50000 | 0.46(aM) |
| | 67 Benzo(a)pyrene | 252 | 13.674 | 13.674 | (0.994) | 2492 | 0.50000 | 0.37(aM) |
| * | 84 Perylene-d12 | 264 | 13.757 | 13.757 | (1.000) | 280054 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.315 | 15.315 | (1.113) | 2004 | 0.50000 | 0.38(aM) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.362 | 15.362 | (1.117) | 1992 | 0.50000 | 0.37(aM) |
| | 70 Benzo(g,h,i)perylene | 276 | 15.756 | 15.756 | (1.145) | 22589 | 5.00000 | 4.3(a) |

QC Flag Legend

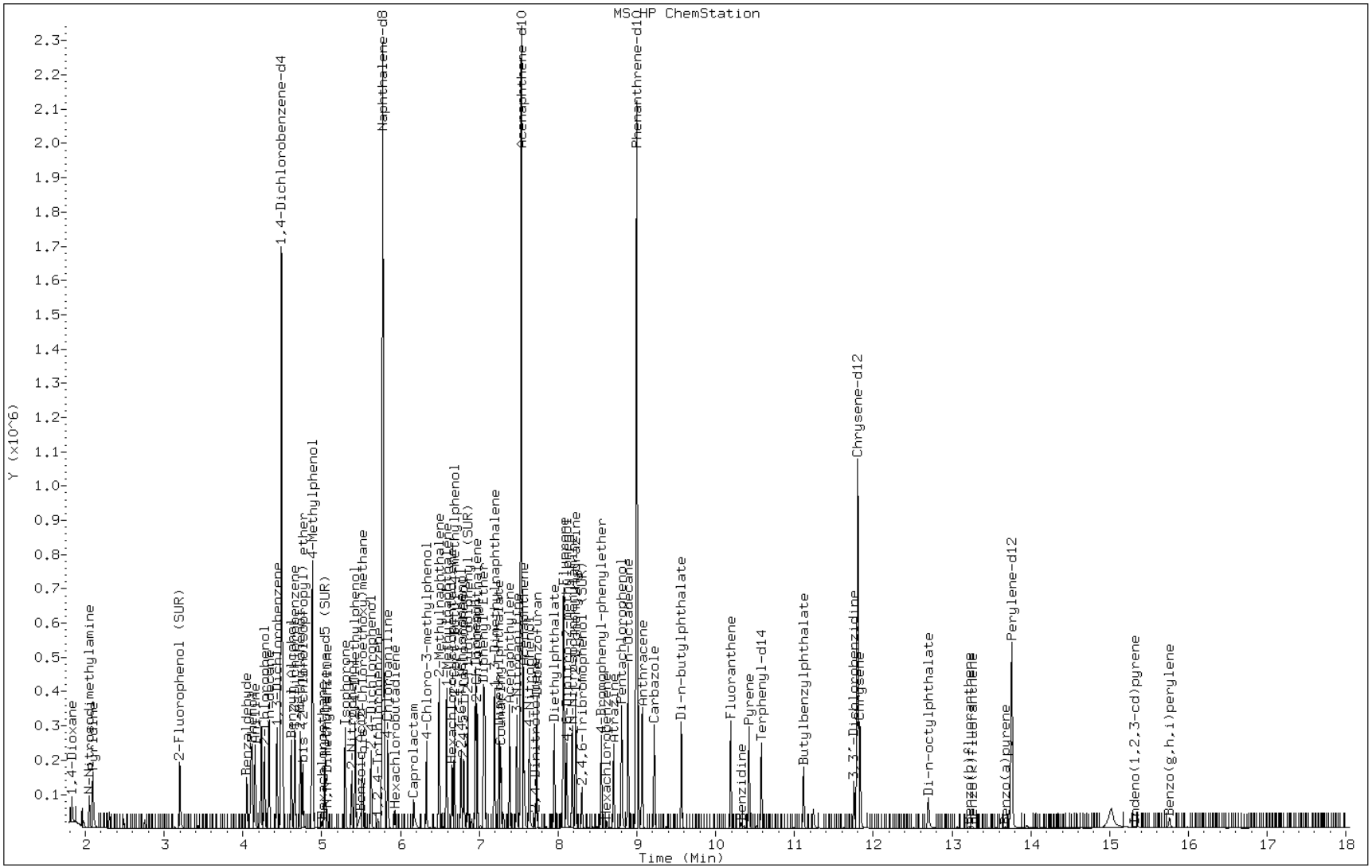
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z3795.d

Date: 14-SEP-2009 10:44

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154121 Operator: BNAMS 4



# Manual Integration Report

Data File: z3795.d
Inj. Date and Time: 14-SEP-2009 10:44
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/16/2009

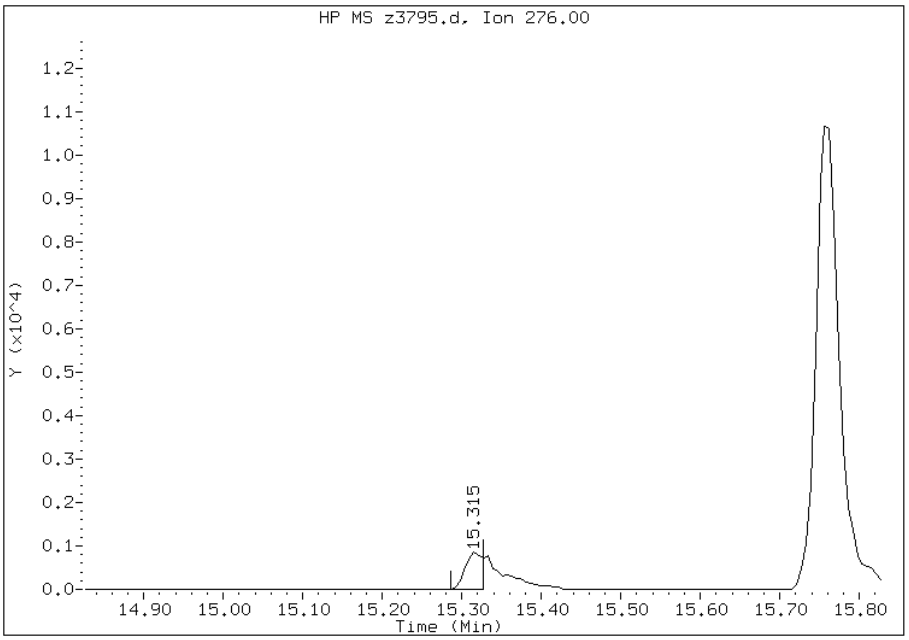
## Processing Integration Results

RT: 15.32

Response: 1323

Amount: 0

Conc: 0



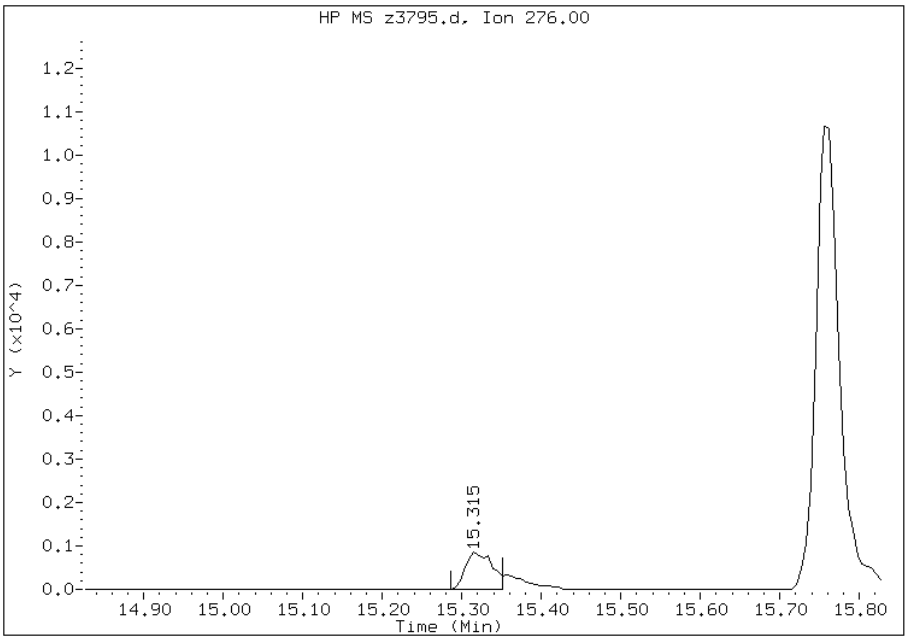

## Manual Integration Results

RT: 15.32

Response: 2004

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z3795.d
Inj. Date and Time: 14-SEP-2009 10:44
Instrument ID: BNAMS11.i
Client ID:
Compound:  67 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 09/16/2009

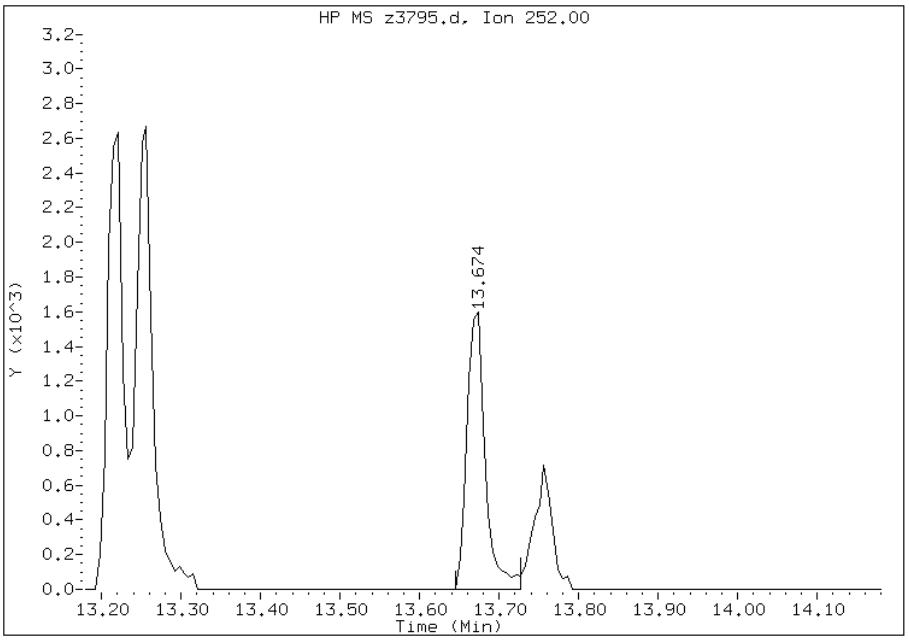
Processing Integration Results

RT: 13.67

Response: 2549

Amount: 0

Conc: 0



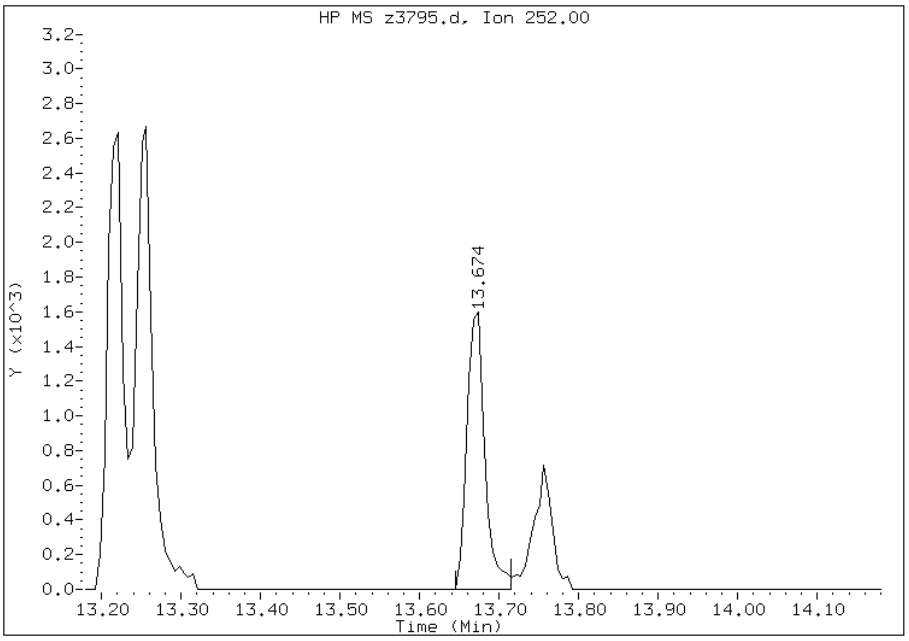

Manual Integration Results

RT: 13.67

Response: 2492

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3795.d
Inj. Date and Time: 14-SEP-2009 10:44
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/16/2009

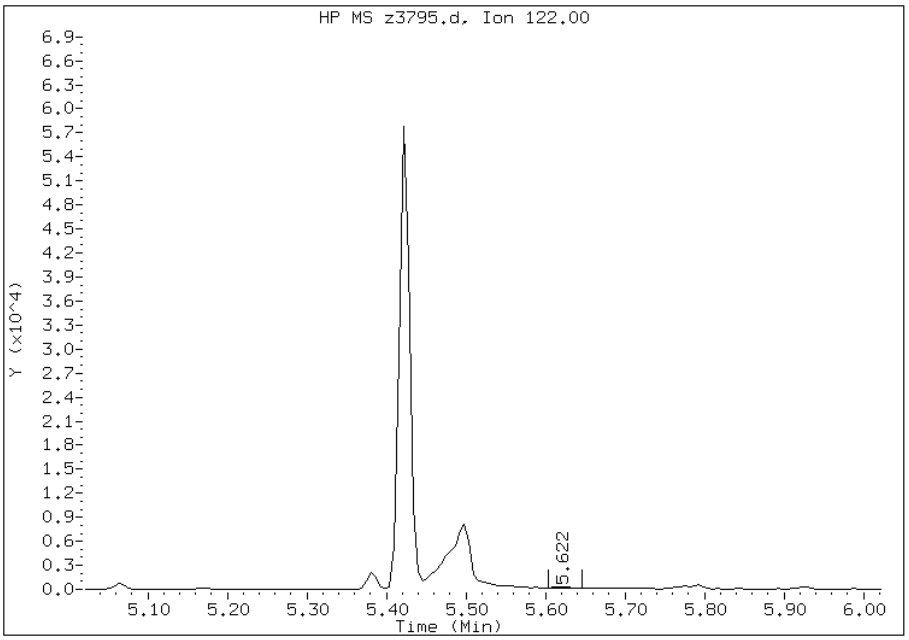
## Processing Integration Results

RT: 5.62

Response: 208

Amount: 0

Conc: 0



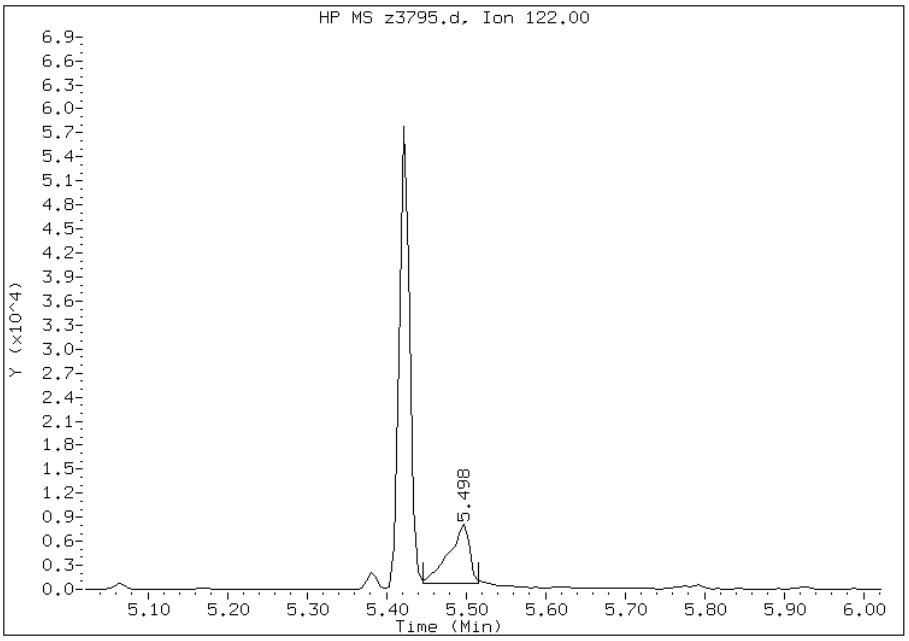

## Manual Integration Results

RT: 5.50

Response: 13548

Amount: 5

Conc: 5




Manually Integrated By: rusin
Manual Integration Reason: Peak Tailing or Fronting

# Manual Integration Report

Data File: z3795.d
Inj. Date and Time: 14-SEP-2009 10:44
Instrument ID: BNAMS11.i
Client ID:
Compound: 69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 09/16/2009

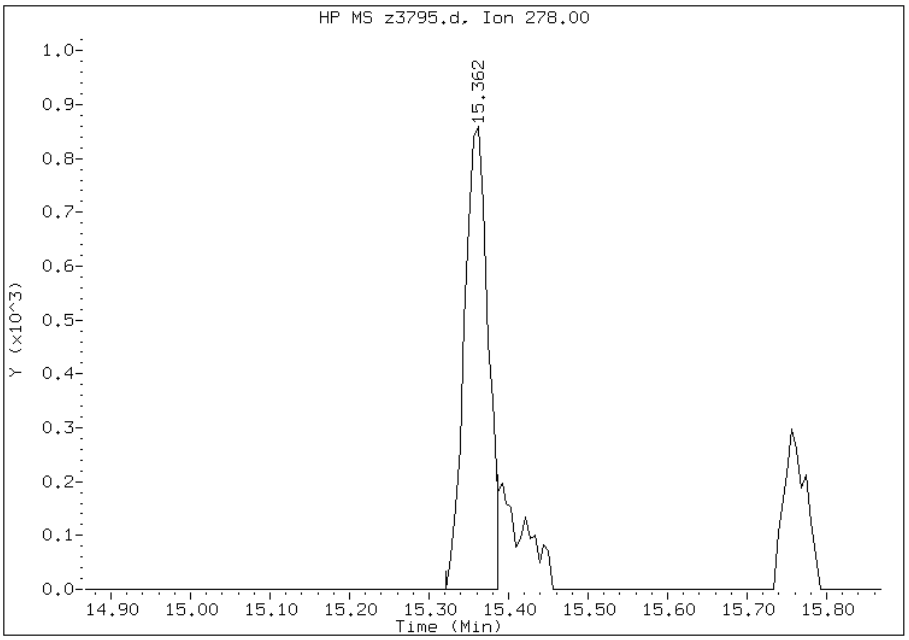
## Processing Integration Results

RT: 15.36

Response: 1784

Amount: 0

Conc: 0



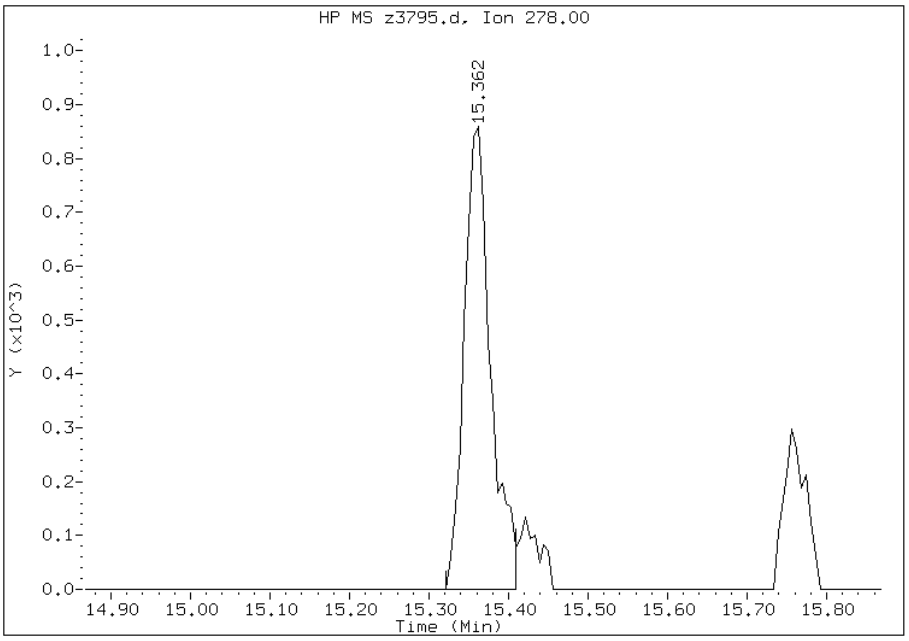

## Manual Integration Results

RT: 15.36

Response: 1992

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3795.d
Inj. Date and Time: 14-SEP-2009 10:44
Instrument ID: BNAMS11.i
Client ID:
Compound:  66 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 09/16/2009

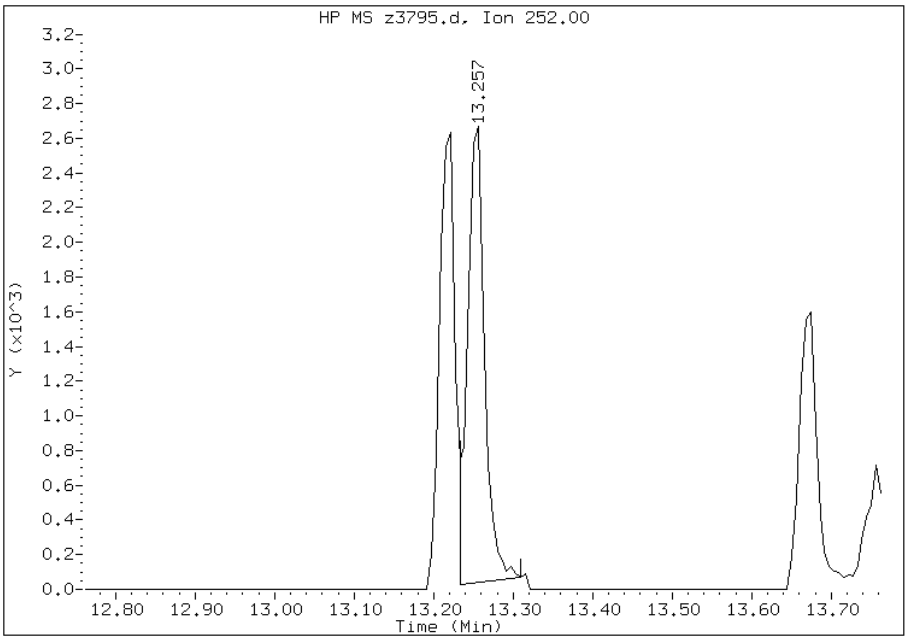
## Processing Integration Results

RT: 13.26

Response: 4007

Amount: 0

Conc: 0



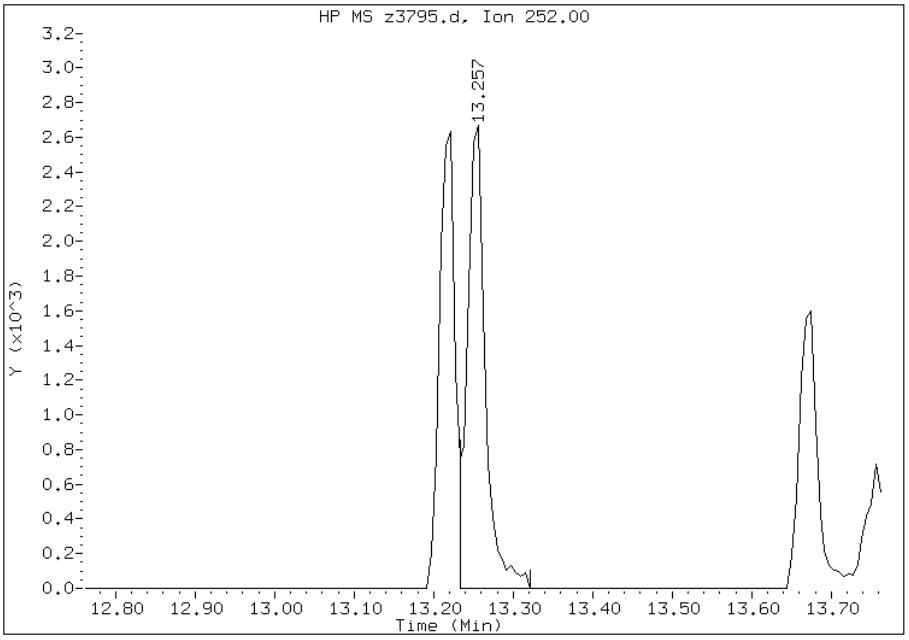

## Manual Integration Results

RT: 13.26

Response: 4279

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Baseline Event

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3796.d
Report Date: 14-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3796.d
Lab Smp Id: IC-154123
Inj Date : 14-SEP-2009 11:09
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154123
Misc Info : 80ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:28 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.846 | 1.846 | (0.410) | 288647 | 80.0000 | 75 |
| | 19 N-Nitrosodimethylamine | 74 | 2.087 | 2.087 | (0.464) | 432532 | 80.0000 | 76 |
| | 71 Pyridine | 79 | 2.116 | 2.116 | (0.470) | 730741 | 80.0000 | 75(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.222 | 3.222 | (0.716) | 655799 | 80.0000 | 72 |
| | 110 Benzaldehyde | 77 | 4.057 | 4.057 | (0.902) | 265694 | 80.0000 | 58 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.152 | 4.152 | (0.923) | 756640 | 80.0000 | 71 |
| | 1 Phenol | 94 | 4.169 | 4.169 | (0.927) | 808208 | 80.0000 | 71 |
| | 73 Aniline | 93 | 4.181 | 4.181 | (0.929) | 969115 | 80.0000 | 66 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.246 | 4.246 | (0.944) | 753404 | 80.0000 | 72 |
| | 2 2-Chlorophenol | 128 | 4.304 | 4.304 | (0.957) | 683620 | 80.0000 | 72 |
| | 113 n-decane | 43 | 4.346 | 4.346 | (0.966) | 547531 | 80.0000 | 77 |
| | 21 1,3-Dichlorobenzene | 146 | 4.452 | 4.452 | (0.990) | 794357 | 80.0000 | 73 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.499 | 4.499 | (1.000) | 248484 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.522 | 4.522 | (1.005) | 782761 | 80.0000 | 73 |
| | 74 Benzyl Alcohol | 108 | 4.652 | 4.652 | (1.034) | 453662 | 80.0000 | 73 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3796.d
Report Date: 14-Sep-2009 13:28

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | ========== | ==== | == | ====== | ====== | ======== | ======= | ======= |
| 23 | 1,2-Dichlorobenzene | 146 | 4.675 | 4.675 | (1.039) | 729353 | 80.0000 | 71 |
| 3 | 2-Methylphenol | 108 | 4.757 | 4.757 | (1.058) | 590987 | 80.0000 | 72 |
| 24 | bis (2-chloroisopropyl) ether | 45 | 4.775 | 4.775 | (1.061) | 712697 | 80.0000 | 74 |
| 104 | Acetophenone | 105 | 4.922 | 4.922 | (1.094) | 761988 | 80.0000 | 79 |
| 4 | 4-Methylphenol | 108 | 4.928 | 4.928 | (1.095) | 577473 | 80.0000 | 79(H) |
| 124 | 3 & 4 methylphenol | 108 | 4.928 | 4.928 | (1.095) | 577473 | 80.0000 | 79 |
| 25 | N-Nitroso-di-n-propylamine | 70 | 4.951 | 4.951 | (1.101) | 433945 | 80.0000 | 80(MH) |
| 26 | Hexachloroethane | 117 | 5.010 | 5.010 | (1.114) | 299287 | 80.0000 | 72 |
| $ 76 | Nitrobenzene-d5 (SUR) | 82 | 5.069 | 5.069 | (0.877) | 692493 | 80.0000 | 74 |
| 27 | Nitrobenzene | 77 | 5.093 | 5.093 | (0.881) | 854316 | 80.0000 | 79 |
| 107 | N,N-Dimethylaniline | 120 | 5.093 | 5.093 | (1.132) | 942808 | 80.0000 | 78 |
| 28 | Isophorone | 82 | 5.334 | 5.334 | (0.923) | 1261418 | 80.0000 | 73 |
| 5 | 2-Nitrophenol | 139 | 5.399 | 5.399 | (0.934) | 343353 | 80.0000 | 76 |
| 6 | 2,4-Dimethylphenol | 122 | 5.451 | 5.451 | (0.943) | 534578 | 80.0000 | 70 |
| 29 | bis(2-Chloroethoxy)methane | 93 | 5.540 | 5.540 | (0.958) | 721581 | 80.0000 | 72 |
| 15 | Benzoic Acid | 122 | 5.628 | 5.628 | (0.974) | 192222 | 80.0000 | 76(M) |
| 7 | 2,4-Dichlorophenol | 162 | 5.646 | 5.646 | (0.977) | 495956 | 80.0000 | 73 |
| 30 | 1,2,4-Trichlorobenzene | 180 | 5.728 | 5.728 | (0.991) | 579740 | 80.0000 | 74 |
| * 80 | Naphthalene-d8 | 136 | 5.781 | 5.781 | (1.000) | 904051 | 40.0000 | |
| 31 | Naphthalene | 128 | 5.810 | 5.810 | (1.005) | 1850150 | 80.0000 | 72 |
| 32 | 4-Chloroaniline | 127 | 5.857 | 5.857 | (1.013) | 672010 | 80.0000 | 78 |
| 33 | Hexachlorobutadiene | 225 | 5.934 | 5.934 | (1.026) | 348417 | 80.0000 | 76 |
| 111 | Caprolactam | 113 | 6.287 | 6.287 | (1.087) | 148374 | 80.0000 | 66(MH) |
| 8 | 4-Chloro-3-methylphenol | 107 | 6.357 | 6.357 | (1.100) | 431809 | 80.0000 | 63 |
| 34 | 2-Methylnaphthalene | 142 | 6.498 | 6.498 | (1.124) | 1115018 | 80.0000 | 70 |
| 120 | 1-Methylnaphthalene | 142 | 6.598 | 6.598 | (1.141) | 1070103 | 80.0000 | 69 |
| 35 | Hexachlorocyclopentadiene | 237 | 6.663 | 6.663 | (0.884) | 373507 | 80.0000 | 86 |
| 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.704 | 6.704 | (1.160) | 723176 | 80.0000 | 68 |
| 9 | 2,4,6-Trichlorophenol | 196 | 6.787 | 6.787 | (0.900) | 325642 | 80.0000 | 80(H) |
| 10 | 2,4,5-Trichlorophenol | 196 | 6.828 | 6.828 | (0.906) | 279139 | 80.0000 | 73 |
| $ 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.869 | 6.869 | (0.911) | 1125454 | 80.0000 | 75 |
| 102 | Diphenyl | 154 | 6.969 | 6.969 | (0.924) | 1238895 | 80.0000 | 73 |
| 36 | 2-Chloronaphthalene | 162 | 6.987 | 6.987 | (0.927) | 967968 | 80.0000 | 74 |
| 103 | Diphenyl Ether | 170 | 7.069 | 7.069 | (0.938) | 702647 | 80.0000 | 75 |
| 37 | 2-Nitroaniline | 65 | 7.093 | 7.093 | (0.941) | 356094 | 80.0000 | 74 |
| 123 | 1,3-Dimethylnaphthalene | 156 | 7.204 | 7.204 | (0.956) | 796762 | 80.0000 | 74 |
| 38 | Dimethylphthalate | 163 | 7.275 | 7.275 | (0.965) | 928101 | 80.0000 | 70(H) |
| 114 | Coumarin | 146 | 7.298 | 7.298 | (0.968) | 303112 | 80.0000 | 70 |
| 40 | 2,6-Dinitrotoluene | 165 | 7.334 | 7.334 | (0.973) | 211594 | 80.0000 | 73(H) |
| 39 | Acenaphthylene | 152 | 7.398 | 7.398 | (0.981) | 1522015 | 80.0000 | 73 |
| 41 | 3-Nitroaniline | 138 | 7.498 | 7.498 | (0.995) | 214213 | 80.0000 | 71(H) |
| * 82 | Acenaphthene-d10 | 164 | 7.540 | 7.540 | (1.000) | 415684 | 40.0000 | |
| 42 | Acenaphthene | 154 | 7.575 | 7.575 | (1.005) | 863470 | 80.0000 | 70 |
| 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.557 | 7.557 | (1.002) | 826690 | 80.0000 | 76 |
| 11 | 2,4-Dinitrophenol | 184 | 7.598 | 7.598 | (1.008) | 87645 | 80.0000 | 88 |
| 12 | 4-Nitrophenol | 65 | 7.657 | 7.657 | (1.016) | 149547 | 80.0000 | 72 |
| 44 | 2,4-Dinitrotoluene | 165 | 7.728 | 7.728 | (1.025) | 252895 | 80.0000 | 70 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3796.d
Report Date: 14-Sep-2009 13:28

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 | Dibenzofuran | 168 | 7.745 | 7.745 | (1.027) | 1254722 | 80.0000 | 72 |
| | 45 | Diethylphthalate | 149 | 7.969 | 7.969 | (1.057) | 930487 | 80.0000 | 72 |
| | 47 | Fluorene | 166 | 8.081 | 8.081 | (1.072) | 938711 | 80.0000 | 72 |
| | 46 | 4-Chlorophenyl-phenylether | 204 | 8.075 | 8.075 | (1.071) | 465719 | 80.0000 | 74 |
| | 48 | 4-Nitroaniline | 138 | 8.104 | 8.104 | (1.075) | 181089 | 80.0000 | 78 |
| | 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.134 | 8.134 | (0.903) | 116337 | 80.0000 | 88 |
| | 49 | N-Nitrosodiphenylamine | 169 | 8.198 | 8.198 | (0.910) | 592555 | 80.0000 | 73 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 8.234 | 8.234 | (0.914) | 1066923 | 80.0000 | 71 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.316 | 8.316 | (1.103) | 103629 | 80.0000 | 73 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 8.557 | 8.557 | (0.950) | 256572 | 80.0000 | 78 |
| | 51 | Hexachlorobenzene | 284 | 8.634 | 8.634 | (0.959) | 236171 | 80.0000 | 77 |
| | 112 | Atrazine | 200 | 8.722 | 8.722 | (0.969) | 170825 | 80.0000 | 81 |
| | 14 | Pentachlorophenol | 266 | 8.816 | 8.816 | (0.979) | 125832 | 80.0000 | 82 |
| | 115 | n-Octadecane | 57 | 8.892 | 8.892 | (0.988) | 601970 | 80.0000 | 72 |
| * | 83 | Phenanthrene-d10 | 188 | 9.004 | 9.004 | (1.000) | 493635 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 9.028 | 9.028 | (1.003) | 1004064 | 80.0000 | 69 |
| | 53 | Anthracene | 178 | 9.081 | 9.081 | (1.008) | 1078009 | 80.0000 | 73 |
| | 54 | Carbazole | 167 | 9.234 | 9.234 | (1.025) | 852583 | 80.0000 | 71 |
| | 55 | Di-n-butylphthalate | 149 | 9.569 | 9.569 | (1.063) | 1165563 | 80.0000 | 74 |
| | 56 | Fluoranthene | 202 | 10.204 | 10.204 | (1.133) | 893525 | 80.0000 | 73 |
| | 58 | Benzidine | 184 | 10.322 | 10.322 | (1.146) | 78331 | 80.0000 | 46 |
| | 57 | Pyrene | 202 | 10.433 | 10.433 | (0.883) | 853880 | 80.0000 | 77 |
| $ | 78 | Terphenyl-d14 | 244 | 10.586 | 10.586 | (0.896) | 534034 | 80.0000 | 77 |
| | 59 | Butylbenzylphthalate | 149 | 11.122 | 11.122 | (0.942) | 339642 | 80.0000 | 80 |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 11.763 | 11.763 | (0.996) | 117388 | 80.0000 | 71 |
| | 61 | Benzo(a)anthracene | 228 | 11.792 | 11.792 | (0.998) | 521930 | 80.0000 | 76 |
| * | 81 | Chrysene-d12 | 240 | 11.810 | 11.810 | (1.000) | 234781 | 40.0000 | |
| | 62 | Chrysene | 228 | 11.845 | 11.845 | (1.003) | 453995 | 80.0000 | 76 |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.828 | 11.828 | (1.001) | 433739 | 80.0000 | 81 |
| | 64 | Di-n-octylphthalate | 149 | 12.704 | 12.704 | (0.923) | 577745 | 80.0000 | 84 |
| | 65 | Benzo(b)fluoranthene | 252 | 13.233 | 13.233 | (0.962) | 329988 | 80.0000 | 80 |
| | 66 | Benzo(k)fluoranthene | 252 | 13.269 | 13.269 | (0.964) | 364862 | 80.0000 | 81 |
| | 67 | Benzo(a)pyrene | 252 | 13.680 | 13.680 | (0.994) | 279318 | 80.0000 | 83 |
| * | 84 | Perylene-d12 | 264 | 13.757 | 13.757 | (1.000) | 137977 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.339 | 15.339 | (1.115) | 225514 | 80.0000 | 87 |
| | 69 | Dibenz(a,h)anthracene | 278 | 15.374 | 15.374 | (1.118) | 230494 | 80.0000 | 88 |
| | 70 | Benzo(g,h,i)perylene | 276 | 15.780 | 15.780 | (1.147) | 218707 | 80.0000 | 84 |

QC Flag Legend

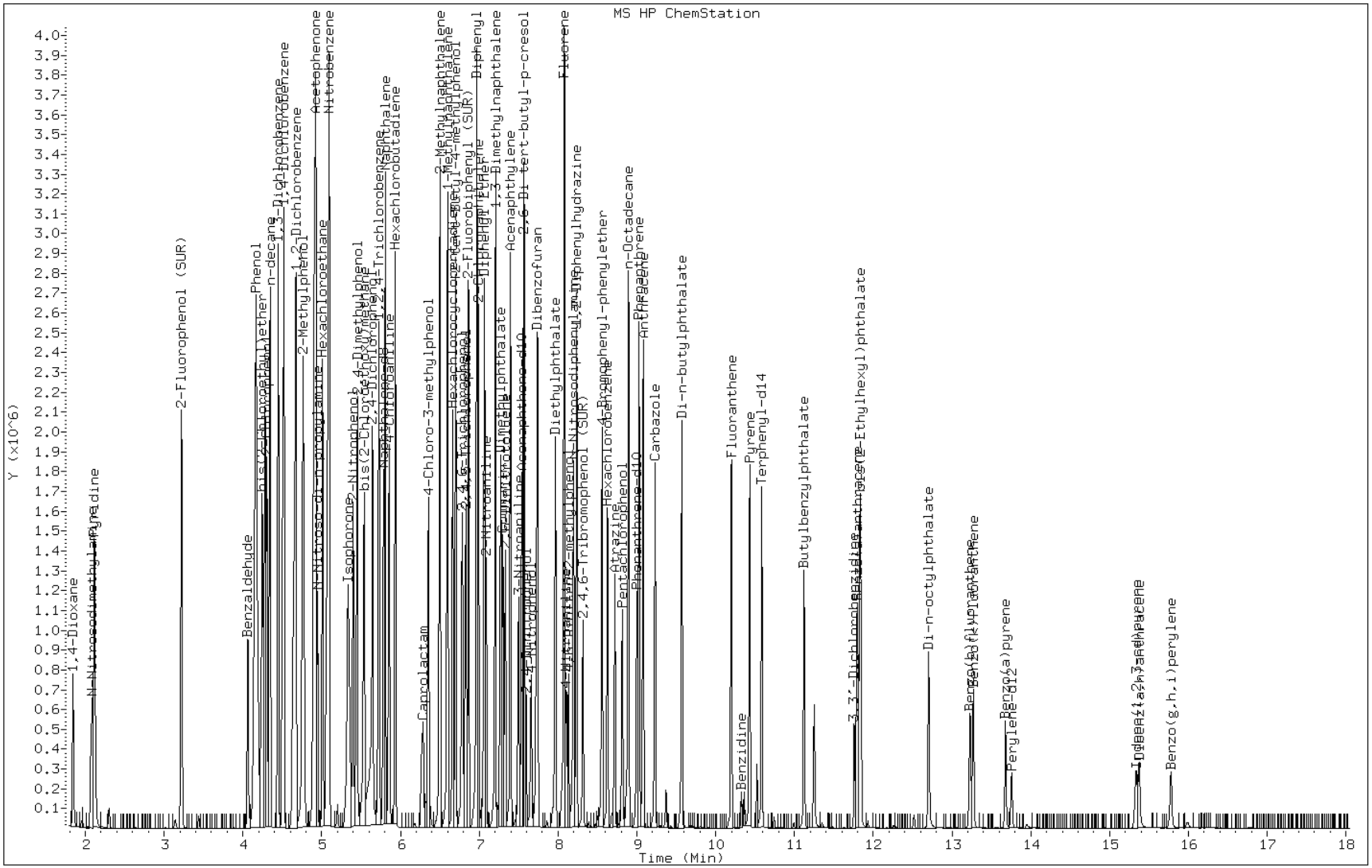
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z3796.d

Date: 14-SEP-2009 11:09

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154123 Operator: BNAMS 4



# Manual Integration Report

Data File: z3796.d
Inj. Date and Time: 14-SEP-2009 11:09
Instrument ID: BNAMS11.i
Client ID:
Compound: 111 Caprolactam
CAS #: 105-60-2
Report Date: 09/16/2009

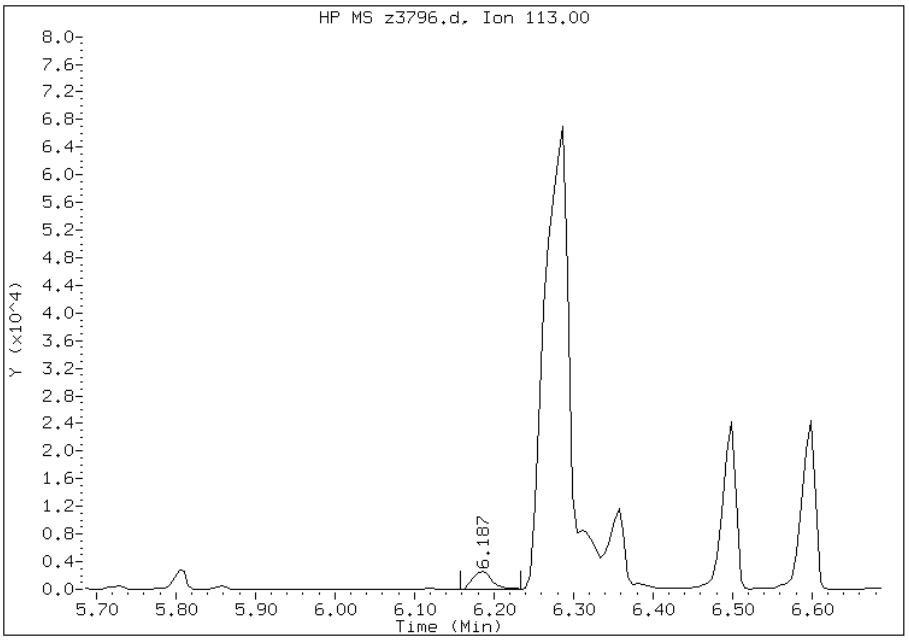
## Processing Integration Results

RT: 6.19

Response: 4327

Amount: 2

Conc: 2



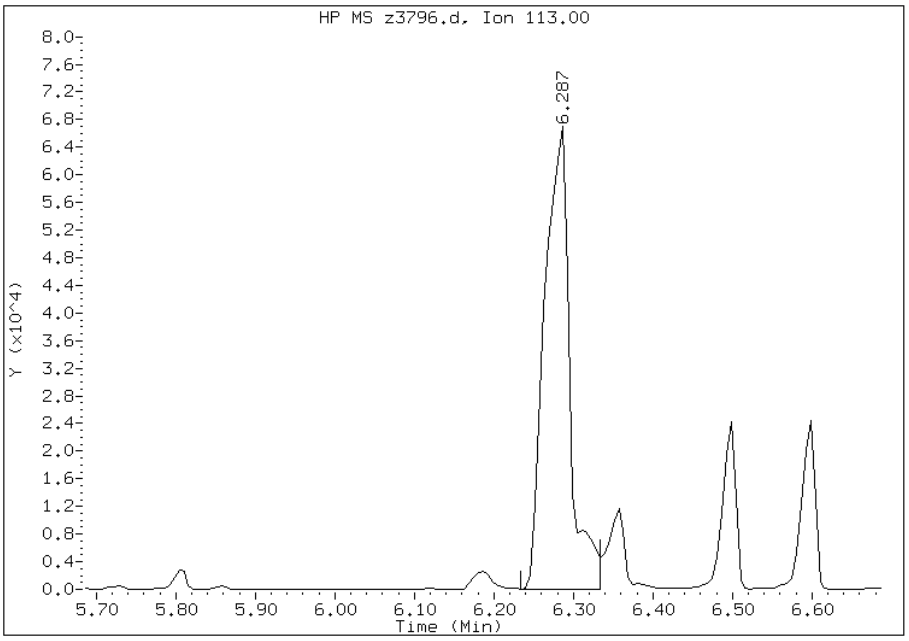

## Manual Integration Results

RT: 6.29

Response: 148374

Amount: 66

Conc: 66




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: z3796.d
Inj. Date and Time: 14-SEP-2009 11:09
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/16/2009

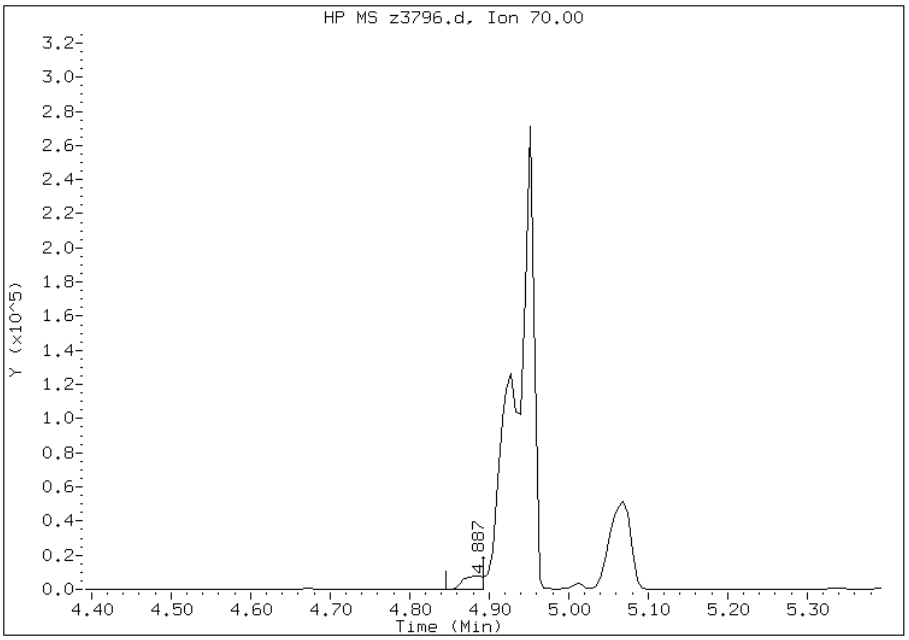
## Processing Integration Results

RT: 4.89

Response: 14159

Amount: 3

Conc: 3



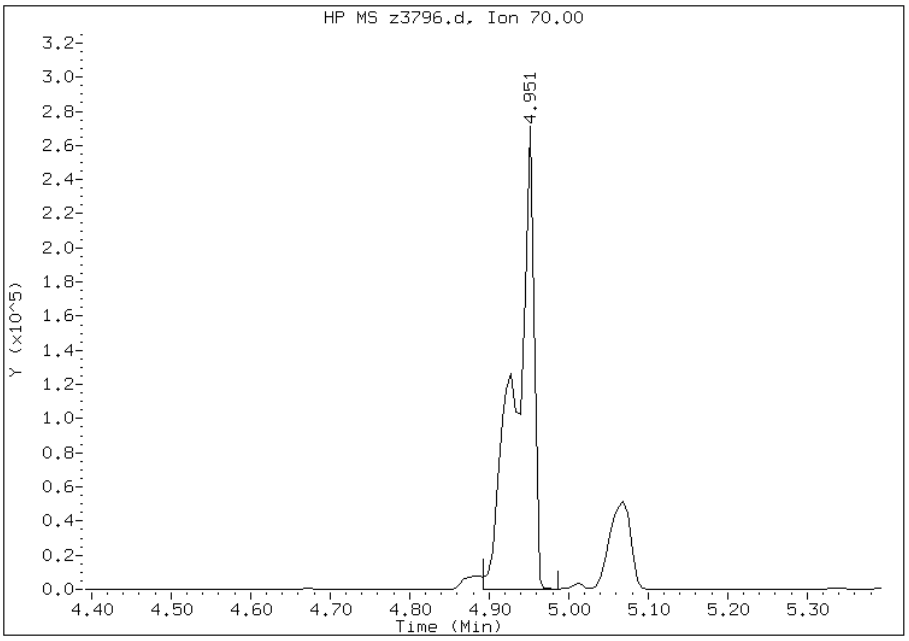

## Manual Integration Results

RT: 4.95

Response: 433945

Amount: 80

Conc: 80




Manually Integrated By: rusin
Manual Integration Reason: Split Peak

# Manual Integration Report

Data File: z3796.d
Inj. Date and Time: 14-SEP-2009 11:09
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/16/2009

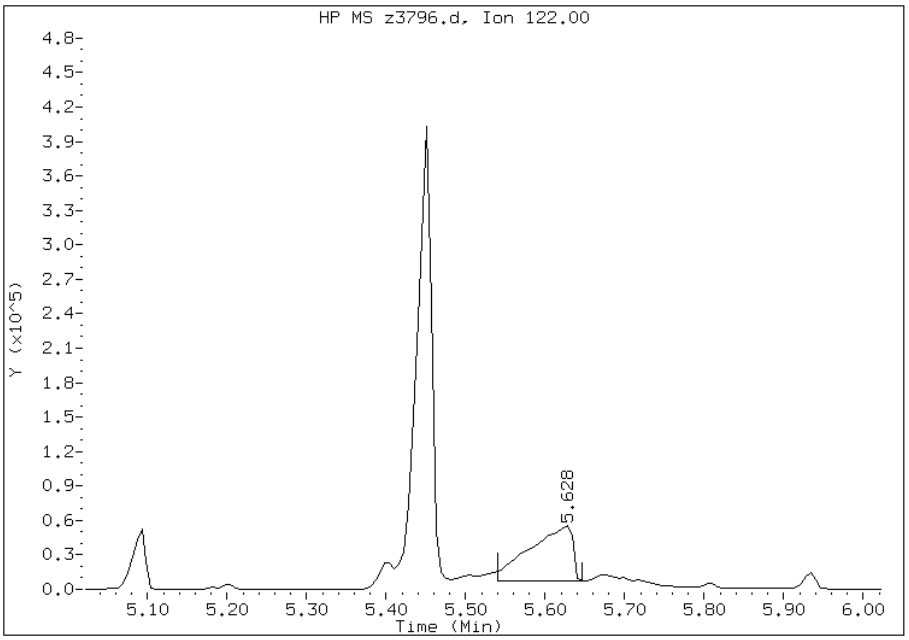
## Processing Integration Results

RT: 5.63

Response: 177612

Amount: 94

Conc: 94



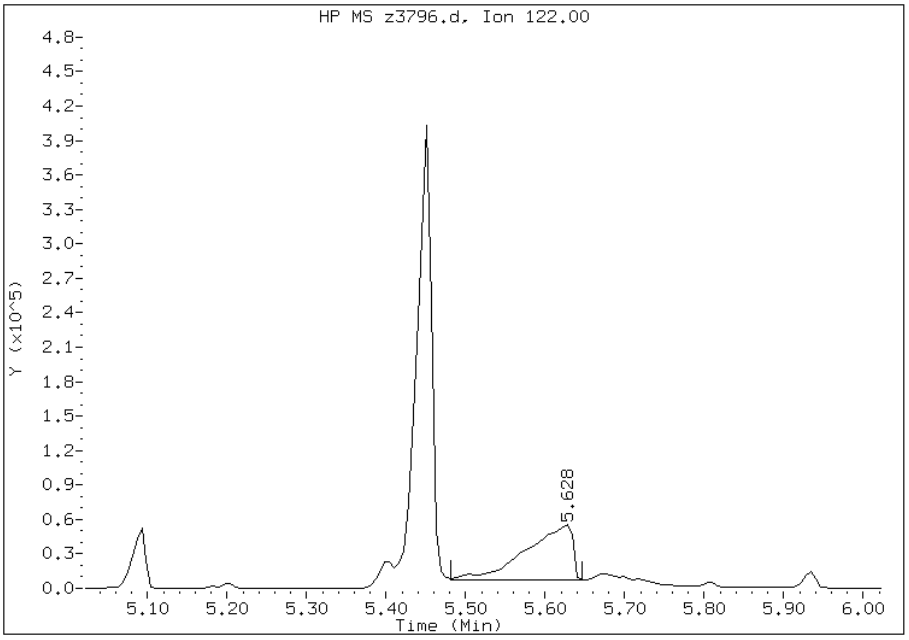

## Manual Integration Results

RT: 5.63

Response: 192222

Amount: 77

Conc: 77




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3797.d
Report Date: 14-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3797.d
Lab Smp Id: IC-154122
Inj Date : 14-SEP-2009 11:33
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154122
Misc Info : 20ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:28 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.816 | 1.816 | (0.404) | 74833 | 20.0000 | 20 |
| | 19 N-Nitrosodimethylamine | 74 | 2.046 | 2.046 | (0.455) | 110531 | 20.0000 | 20(H) |
| | 71 Pyridine | 79 | 2.075 | 2.075 | (0.462) | 189542 | 20.0000 | 20(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.199 | 3.199 | (0.712) | 177692 | 20.0000 | 20 |
| | 110 Benzaldehyde | 77 | 4.046 | 4.046 | (0.900) | 119033 | 20.0000 | 26 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.116 | 4.116 | (0.916) | 216954 | 20.0000 | 20(H) |
| | 1 Phenol | 94 | 4.128 | 4.128 | (0.919) | 231359 | 20.0000 | 21(H) |
| | 73 Aniline | 93 | 4.157 | 4.157 | (0.925) | 293959 | 20.0000 | 20 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.222 | 4.222 | (0.940) | 189299 | 20.0000 | 18 |
| | 2 2-Chlorophenol | 128 | 4.281 | 4.281 | (0.953) | 195236 | 20.0000 | 21 |
| | 113 n-decane | 43 | 4.334 | 4.334 | (0.965) | 180502 | 20.0000 | 21 |
| | 21 1,3-Dichlorobenzene | 146 | 4.434 | 4.434 | (0.987) | 219913 | 20.0000 | 20 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.493 | 4.493 | (1.000) | 246188 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.510 | 4.510 | (1.004) | 214762 | 20.0000 | 20 |
| | 74 Benzyl Alcohol | 108 | 4.622 | 4.622 | (1.029) | 125767 | 20.0000 | 20(H) |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3797.d
Report Date: 14-Sep-2009 13:28

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 23 | 1,2-Dichlorobenzene | 146 | 4.663 | 4.663 | (1.038) | 208690 | 20.0000 | 20 |
| | 3 | 2-Methylphenol | 108 | 4.734 | 4.734 | (1.054) | 172553 | 20.0000 | 21 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.763 | 4.763 | (1.060) | 250734 | 20.0000 | 21 |
| | 104 | Acetophenone | 105 | 4.898 | 4.898 | (1.090) | 241626 | 20.0000 | 25 |
| | 4 | 4-Methylphenol | 108 | 4.893 | 4.893 | (1.089) | 174562 | 20.0000 | 24 |
| | 124 | 3 & 4 methylphenol | 108 | 4.893 | 4.893 | (1.089) | 174562 | 20.0000 | 24 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.898 | 4.898 | (1.090) | 129461 | 20.0000 | 24 |
| | 26 | Hexachloroethane | 117 | 5.004 | 5.004 | (1.114) | 85115 | 20.0000 | 21 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 5.045 | 5.045 | (0.874) | 211930 | 20.0000 | 22 |
| | 27 | Nitrobenzene | 77 | 5.069 | 5.069 | (0.878) | 275820 | 20.0000 | 20 |
| | 107 | N,N-Dimethylaniline | 120 | 5.069 | 5.069 | (1.128) | 289211 | 20.0000 | 20 |
| | 28 | Isophorone | 82 | 5.304 | 5.304 | (0.919) | 366069 | 20.0000 | 20 |
| | 5 | 2-Nitrophenol | 139 | 5.387 | 5.387 | (0.933) | 98482 | 20.0000 | 21 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.428 | 5.428 | (0.940) | 165284 | 20.0000 | 21 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.522 | 5.522 | (0.956) | 215285 | 20.0000 | 20 |
| | 15 | Benzoic Acid | 122 | 5.551 | 5.551 | (0.961) | 56924 | 20.0000 | 22(H) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.628 | 5.628 | (0.975) | 148045 | 20.0000 | 21 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.716 | 5.716 | (0.990) | 164246 | 20.0000 | 20 |
| * | 80 | Naphthalene-d8 | 136 | 5.775 | 5.775 | (1.000) | 943218 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.798 | 5.798 | (1.004) | 550564 | 20.0000 | 20 |
| | 32 | 4-Chloroaniline | 127 | 5.845 | 5.845 | (1.012) | 223821 | 20.0000 | 21 |
| | 33 | Hexachlorobutadiene | 225 | 5.928 | 5.928 | (1.026) | 95165 | 20.0000 | 20 |
| | 111 | Caprolactam | 113 | 6.210 | 6.210 | (1.075) | 48717 | 20.0000 | 21 |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.339 | 6.339 | (1.098) | 154441 | 20.0000 | 22 |
| | 34 | 2-Methylnaphthalene | 142 | 6.487 | 6.487 | (1.123) | 344925 | 20.0000 | 21 |
| | 120 | 1-Methylnaphthalene | 142 | 6.587 | 6.587 | (1.141) | 339055 | 20.0000 | 21 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.657 | 6.657 | (0.884) | 97841 | 20.0000 | 19 |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.687 | 6.687 | (1.158) | 229756 | 20.0000 | 21 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.775 | 6.775 | (0.899) | 89900 | 20.0000 | 19(H) |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.810 | 6.810 | (0.904) | 96999 | 20.0000 | 22 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.857 | 6.857 | (0.910) | 361448 | 20.0000 | 21 |
| | 102 | Diphenyl | 154 | 6.957 | 6.957 | (0.923) | 401499 | 20.0000 | 20 |
| | 36 | 2-Chloronaphthalene | 162 | 6.975 | 6.975 | (0.926) | 305743 | 20.0000 | 20 |
| | 103 | Diphenyl Ether | 170 | 7.063 | 7.063 | (0.938) | 218665 | 20.0000 | 20 |
| | 37 | 2-Nitroaniline | 65 | 7.075 | 7.075 | (0.939) | 117706 | 20.0000 | 21 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.192 | 7.192 | (0.955) | 256007 | 20.0000 | 20 |
| | 38 | Dimethylphthalate | 163 | 7.257 | 7.257 | (0.963) | 324226 | 20.0000 | 21(H) |
| | 114 | Coumarin | 146 | 7.281 | 7.281 | (0.966) | 104658 | 20.0000 | 21 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.316 | 7.316 | (0.971) | 71496 | 20.0000 | 21 |
| | 39 | Acenaphthylene | 152 | 7.386 | 7.386 | (0.980) | 502031 | 20.0000 | 20 |
| | 41 | 3-Nitroaniline | 138 | 7.481 | 7.481 | (0.993) | 76900 | 20.0000 | 22(H) |
| * | 82 | Acenaphthene-d10 | 164 | 7.534 | 7.534 | (1.000) | 486315 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.563 | 7.563 | (1.004) | 285472 | 20.0000 | 20 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.551 | 7.551 | (1.002) | 262806 | 20.0000 | 21 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.581 | 7.581 | (1.006) | 37452 | 30.0000 | 32 |
| | 12 | 4-Nitrophenol | 65 | 7.645 | 7.645 | (1.015) | 78170 | 30.0000 | 32 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.710 | 7.710 | (1.023) | 89508 | 20.0000 | 21 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3797.d
Report Date: 14-Sep-2009 13:28

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 Dibenzofuran | 168 | 7.734 | 7.734 | (1.027) | 411569 | 20.0000 | 20 |
| | 45 Diethylphthalate | 149 | 7.957 | 7.957 | (1.056) | 310611 | 20.0000 | 20 |
| | 47 Fluorene | 166 | 8.069 | 8.069 | (1.071) | 309883 | 20.0000 | 20 |
| | 46 4-Chlorophenyl-phenylether | 204 | 8.069 | 8.069 | (1.071) | 147668 | 20.0000 | 20 |
| | 48 4-Nitroaniline | 138 | 8.086 | 8.086 | (1.073) | 68888 | 20.0000 | 25 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 8.116 | 8.116 | (0.902) | 53336 | 30.0000 | 32 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.186 | 8.186 | (0.910) | 207700 | 20.0000 | 20 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.228 | 8.228 | (0.914) | 389432 | 20.0000 | 20 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.310 | 8.310 | (1.103) | 32646 | 20.0000 | 20 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.551 | 8.551 | (0.950) | 82393 | 20.0000 | 20 |
| | 51 Hexachlorobenzene | 284 | 8.622 | 8.622 | (0.958) | 76573 | 20.0000 | 20 |
| | 112 Atrazine | 200 | 8.710 | 8.710 | (0.968) | 67495 | 20.0000 | 18 |
| | 14 Pentachlorophenol | 266 | 8.810 | 8.810 | (0.979) | 59052 | 30.0000 | 30 |
| | 115 n-Octadecane | 57 | 8.892 | 8.892 | (0.988) | 221152 | 20.0000 | 21 |
| * | 83 Phenanthrene-d10 | 188 | 8.998 | 8.998 | (1.000) | 628824 | 40.0000 | |
| | 52 Phenanthrene | 178 | 9.022 | 9.022 | (1.003) | 375933 | 20.0000 | 20 |
| | 53 Anthracene | 178 | 9.075 | 9.075 | (1.008) | 388193 | 20.0000 | 21 |
| | 54 Carbazole | 167 | 9.228 | 9.228 | (1.025) | 317402 | 20.0000 | 21 |
| | 55 Di-n-butylphthalate | 149 | 9.569 | 9.569 | (1.063) | 411271 | 20.0000 | 20 |
| | 56 Fluoranthene | 202 | 10.198 | 10.198 | (1.133) | 325734 | 20.0000 | 21 |
| | 58 Benzidine | 184 | 10.322 | 10.322 | (1.147) | 105110 | 30.0000 | 48 |
| | 57 Pyrene | 202 | 10.427 | 10.427 | (0.883) | 312197 | 20.0000 | 20 |
| $ | 78 Terphenyl-d14 | 244 | 10.586 | 10.586 | (0.896) | 200188 | 20.0000 | 20 |
| | 59 Butylbenzylphthalate | 149 | 11.122 | 11.122 | (0.942) | 120181 | 20.0000 | 20 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.757 | 11.757 | (0.996) | 78825 | 30.0000 | 34 |
| | 61 Benzo(a)anthracene | 228 | 11.792 | 11.792 | (0.998) | 187992 | 20.0000 | 19 |
| * | 81 Chrysene-d12 | 240 | 11.810 | 11.810 | (1.000) | 330869 | 40.0000 | |
| | 62 Chrysene | 228 | 11.839 | 11.839 | (1.002) | 170554 | 20.0000 | 20 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.827 | 11.827 | (1.001) | 152254 | 20.0000 | 20 |
| | 64 Di-n-octylphthalate | 149 | 12.698 | 12.698 | (0.923) | 184882 | 20.0000 | 21 |
| | 65 Benzo(b)fluoranthene | 252 | 13.221 | 13.221 | (0.961) | 110892 | 20.0000 | 21 |
| | 66 Benzo(k)fluoranthene | 252 | 13.263 | 13.263 | (0.964) | 126190 | 20.0000 | 21 |
| | 67 Benzo(a)pyrene | 252 | 13.674 | 13.674 | (0.994) | 91784 | 20.0000 | 21 |
| * | 84 Perylene-d12 | 264 | 13.757 | 13.757 | (1.000) | 179011 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.321 | 15.321 | (1.114) | 65911 | 20.0000 | 20 |
| | 69 Dibenz(a,h)anthracene | 278 | 15.362 | 15.362 | (1.117) | 68071 | 20.0000 | 20 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.762 | 15.762 | (1.146) | 64897 | 20.0000 | 19 |

QC Flag Legend

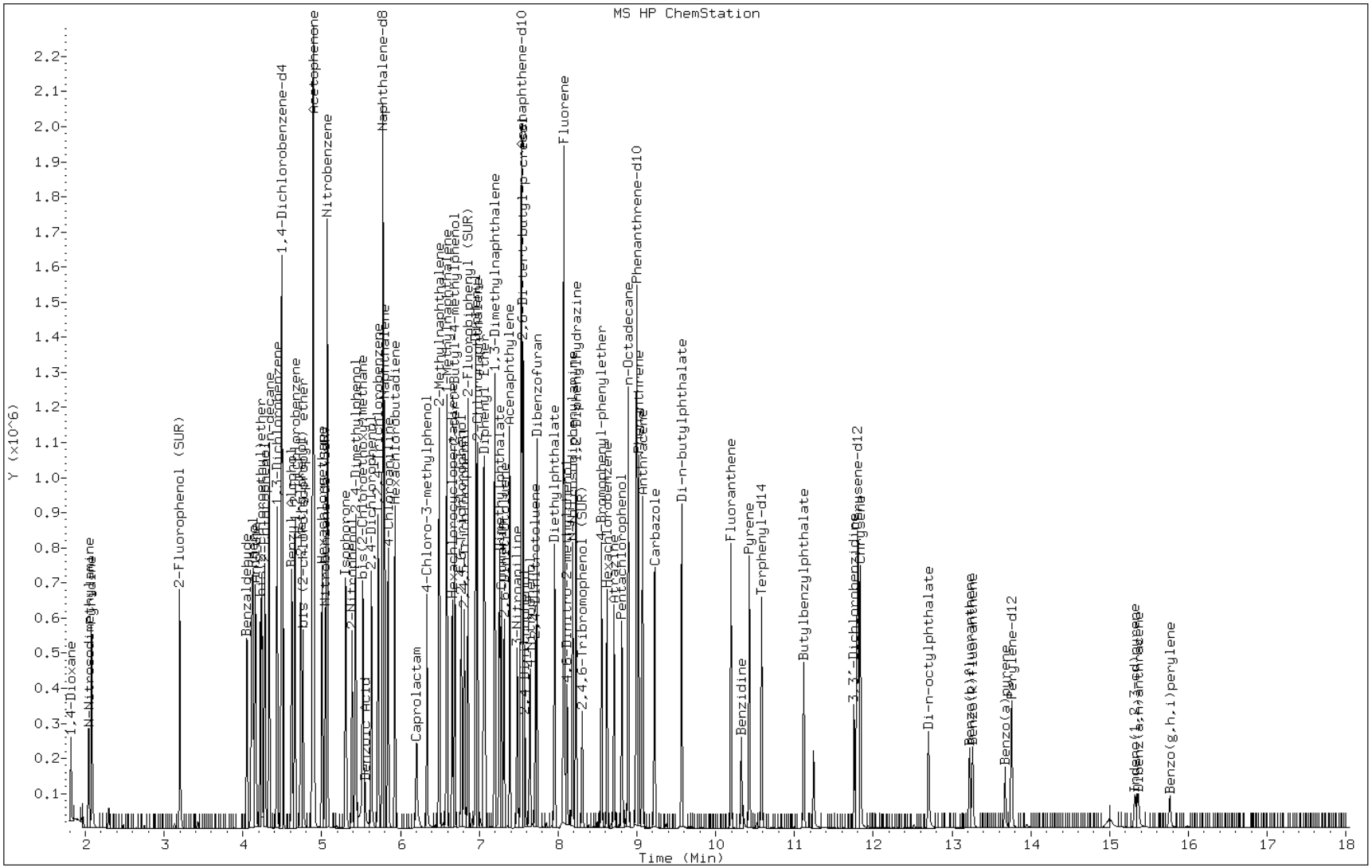
H - Operator selected an alternate compound hit.

Data File: z3797.d

Date: 14-SEP-2009 11:33

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154122 Operator: BNAMS 4



Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3799.d
Report Date: 14-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3799.d
Lab Smp Id: IC-154125
Inj Date : 14-SEP-2009 12:48
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154125
Misc Info : 10ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/8270C_08SP.m
Meth Date : 14-Sep-2009 13:28 croccom Quant Type: ISTD
Cal Date : 14-SEP-2009 09:46 Cal File: z3793.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.822 | 1.822 | (0.406) | 41243 | 10.0000 | 10 |
| | 19 N-Nitrosodimethylamine | 74 | 2.046 | 2.046 | (0.456) | 61100 | 10.0000 | 10 |
| | 71 Pyridine | 79 | 2.081 | 2.081 | (0.464) | 106304 | 10.0000 | 10 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.198 | 3.198 | (0.713) | 102288 | 10.0000 | 11 |
| | 110 Benzaldehyde | 77 | 4.045 | 4.045 | (0.902) | 67346 | 10.0000 | 14 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.104 | 4.104 | (0.915) | 124150 | 10.0000 | 11 |
| | 1 Phenol | 94 | 4.122 | 4.122 | (0.919) | 122608 | 10.0000 | 10 |
| | 73 Aniline | 93 | 4.151 | 4.151 | (0.925) | 165427 | 10.0000 | 11 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.216 | 4.216 | (0.940) | 107123 | 10.0000 | 9.8 |
| | 2 2-Chlorophenol | 128 | 4.275 | 4.275 | (0.953) | 103901 | 10.0000 | 10 |
| | 113 n-decane | 43 | 4.328 | 4.328 | (0.965) | 106870 | 10.0000 | 11 |
| | 21 1,3-Dichlorobenzene | 146 | 4.434 | 4.434 | (0.988) | 123976 | 10.0000 | 11 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.487 | 4.487 | (1.000) | 259933 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.504 | 4.504 | (1.004) | 122444 | 10.0000 | 11 |
| | 74 Benzyl Alcohol | 108 | 4.616 | 4.616 | (1.029) | 69739 | 10.0000 | 11 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3799.d
Report Date: 14-Sep-2009 13:28

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 23 | 1,2-Dichlorobenzene | 146 | 4.657 | 4.657 | (1.038) | 121182 | 10.0000 | 11 |
| | 3 | 2-Methylphenol | 108 | 4.728 | 4.728 | (1.054) | 91691 | 10.0000 | 11 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.757 | 4.757 | (1.060) | 144192 | 10.0000 | 11 |
| | 104 | Acetophenone | 105 | 4.892 | 4.892 | (1.090) | 137842 | 10.0000 | 14 |
| | 4 | 4-Methylphenol | 108 | 4.881 | 4.881 | (1.088) | 96855 | 10.0000 | 13 |
| | 124 | 3 & 4 methylphenol | 108 | 4.881 | 4.881 | (1.088) | 96855 | 10.0000 | 13 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.892 | 4.892 | (1.090) | 75703 | 10.0000 | 13 |
| | 26 | Hexachloroethane | 117 | 5.004 | 5.004 | (1.115) | 48187 | 10.0000 | 11 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 5.040 | 5.040 | (0.873) | 112869 | 10.0000 | 11 |
| | 27 | Nitrobenzene | 77 | 5.063 | 5.063 | (0.877) | 158944 | 10.0000 | 11 |
| | 107 | N,N-Dimethylaniline | 120 | 5.069 | 5.069 | (1.130) | 167761 | 10.0000 | 11 |
| | 28 | Isophorone | 82 | 5.298 | 5.298 | (0.917) | 210019 | 10.0000 | 11 |
| | 5 | 2-Nitrophenol | 139 | 5.381 | 5.381 | (0.932) | 50495 | 10.0000 | 10 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.422 | 5.422 | (0.939) | 91286 | 10.0000 | 11 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.522 | 5.522 | (0.956) | 122211 | 10.0000 | 11 |
| | 15 | Benzoic Acid | 122 | 5.522 | 5.522 | (0.956) | 30078 | 10.0000 | 11(M) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.628 | 5.628 | (0.975) | 79394 | 10.0000 | 10 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.716 | 5.716 | (0.990) | 92913 | 10.0000 | 10 |
| * | 80 | Naphthalene-d8 | 136 | 5.775 | 5.775 | (1.000) | 1008307 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.792 | 5.792 | (1.003) | 315615 | 10.0000 | 11 |
| | 32 | 4-Chloroaniline | 127 | 5.839 | 5.839 | (1.011) | 127498 | 10.0000 | 11 |
| | 33 | Hexachlorobutadiene | 225 | 5.928 | 5.928 | (1.026) | 53685 | 10.0000 | 10 |
| | 111 | Caprolactam | 113 | 6.186 | 6.186 | (1.071) | 27195 | 10.0000 | 11 |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.334 | 6.334 | (1.097) | 82090 | 10.0000 | 11 |
| | 34 | 2-Methylnaphthalene | 142 | 6.486 | 6.486 | (1.123) | 198844 | 10.0000 | 11 |
| | 120 | 1-Methylnaphthalene | 142 | 6.586 | 6.586 | (1.141) | 195682 | 10.0000 | 11 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.657 | 6.657 | (0.884) | 48843 | 10.0000 | 8.9 |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.686 | 6.686 | (1.158) | 134094 | 10.0000 | 11 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.769 | 6.769 | (0.898) | 48796 | 10.0000 | 9.5 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.804 | 6.804 | (0.903) | 52190 | 10.0000 | 11 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.857 | 6.857 | (0.910) | 197832 | 10.0000 | 10 |
| | 102 | Diphenyl | 154 | 6.957 | 6.957 | (0.923) | 229153 | 10.0000 | 11 |
| | 36 | 2-Chloronaphthalene | 162 | 6.975 | 6.975 | (0.926) | 178404 | 10.0000 | 11 |
| | 103 | Diphenyl Ether | 170 | 7.057 | 7.057 | (0.937) | 126564 | 10.0000 | 11 |
| | 37 | 2-Nitroaniline | 65 | 7.075 | 7.075 | (0.939) | 67280 | 10.0000 | 11 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.192 | 7.192 | (0.955) | 146494 | 10.0000 | 11 |
| | 38 | Dimethylphthalate | 163 | 7.257 | 7.257 | (0.963) | 189192 | 10.0000 | 11 |
| | 114 | Coumarin | 146 | 7.281 | 7.281 | (0.966) | 59764 | 10.0000 | 11 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.316 | 7.316 | (0.971) | 39561 | 10.0000 | 11 |
| | 39 | Acenaphthylene | 152 | 7.386 | 7.386 | (0.980) | 287540 | 10.0000 | 11 |
| | 41 | 3-Nitroaniline | 138 | 7.481 | 7.481 | (0.993) | 42256 | 10.0000 | 11 |
| * | 82 | Acenaphthene-d10 | 164 | 7.533 | 7.533 | (1.000) | 525586 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.563 | 7.563 | (1.004) | 179338 | 10.0000 | 11 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.551 | 7.551 | (1.002) | 143260 | 10.0000 | 10 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.581 | 7.581 | (1.006) | 24226 | 20.0000 | 19 |
| | 12 | 4-Nitrophenol | 65 | 7.639 | 7.639 | (1.014) | 55813 | 20.0000 | 21 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.710 | 7.710 | (1.023) | 50116 | 10.0000 | 11 |

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3799.d
Report Date: 14-Sep-2009 13:28

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 | Dibenzofuran | 168 | 7.733 | 7.733 | (1.027) | 241791 | 10.0000 | 11 |
| | 45 | Diethylphthalate | 149 | 7.957 | 7.957 | (1.056) | 178113 | 10.0000 | 11 |
| | 47 | Fluorene | 166 | 8.075 | 8.075 | (1.072) | 179334 | 10.0000 | 11 |
| | 46 | 4-Chlorophenyl-phenylether | 204 | 8.069 | 8.069 | (1.071) | 84994 | 10.0000 | 11 |
| | 48 | 4-Nitroaniline | 138 | 8.086 | 8.086 | (1.073) | 40082 | 10.0000 | 14 |
| | 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.116 | 8.116 | (0.901) | 36615 | 20.0000 | 20 |
| | 49 | N-Nitrosodiphenylamine | 169 | 8.186 | 8.186 | (0.909) | 118829 | 10.0000 | 10 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 8.228 | 8.228 | (0.914) | 223312 | 10.0000 | 11 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.310 | 8.310 | (1.103) | 20250 | 10.0000 | 11 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 8.557 | 8.557 | (0.950) | 47968 | 10.0000 | 10 |
| | 51 | Hexachlorobenzene | 284 | 8.628 | 8.628 | (0.958) | 43903 | 10.0000 | 10 |
| | 112 | Atrazine | 200 | 8.710 | 8.710 | (0.967) | 38963 | 10.0000 | 8.5 |
| | 14 | Pentachlorophenol | 266 | 8.816 | 8.816 | (0.979) | 42946 | 20.0000 | 20 |
| | 115 | n-Octadecane | 57 | 8.892 | 8.892 | (0.988) | 130239 | 10.0000 | 11 |
| * | 83 | Phenanthrene-d10 | 188 | 9.004 | 9.004 | (1.000) | 685728 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 9.027 | 9.027 | (1.003) | 218926 | 10.0000 | 11 |
| | 53 | Anthracene | 178 | 9.075 | 9.075 | (1.008) | 222286 | 10.0000 | 11 |
| | 54 | Carbazole | 167 | 9.227 | 9.227 | (1.025) | 178954 | 10.0000 | 11 |
| | 55 | Di-n-butylphthalate | 149 | 9.575 | 9.575 | (1.063) | 228844 | 10.0000 | 10 |
| | 56 | Fluoranthene | 202 | 10.204 | 10.204 | (1.133) | 180977 | 10.0000 | 10 |
| | 58 | Benzidine | 184 | 10.333 | 10.333 | (1.148) | 84980 | 20.0000 | 36 |
| | 57 | Pyrene | 202 | 10.433 | 10.433 | (0.883) | 175203 | 10.0000 | 10 |
| $ | 78 | Terphenyl-d14 | 244 | 10.592 | 10.592 | (0.896) | 105824 | 10.0000 | 10 |
| | 59 | Butylbenzylphthalate | 149 | 11.127 | 11.127 | (0.942) | 64558 | 10.0000 | 10 |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 11.768 | 11.768 | (0.996) | 56229 | 20.0000 | 22 |
| | 61 | Benzo(a)anthracene | 228 | 11.798 | 11.798 | (0.998) | 101960 | 10.0000 | 9.8 |
| * | 81 | Chrysene-d12 | 240 | 11.816 | 11.816 | (1.000) | 354515 | 40.0000 | |
| | 62 | Chrysene | 228 | 11.845 | 11.845 | (1.002) | 96193 | 10.0000 | 11 |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.839 | 11.839 | (1.002) | 79945 | 10.0000 | 9.8 |
| | 64 | Di-n-octylphthalate | 149 | 12.710 | 12.710 | (0.923) | 89833 | 10.0000 | 9.4 |
| | 65 | Benzo(b)fluoranthene | 252 | 13.227 | 13.227 | (0.961) | 57955 | 10.0000 | 10 |
| | 66 | Benzo(k)fluoranthene | 252 | 13.263 | 13.263 | (0.964) | 66045 | 10.0000 | 10 |
| | 67 | Benzo(a)pyrene | 252 | 13.680 | 13.680 | (0.994) | 48243 | 10.0000 | 10 |
| * | 84 | Perylene-d12 | 264 | 13.762 | 13.762 | (1.000) | 192663 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.327 | 15.327 | (1.114) | 33153 | 10.0000 | 9.2(M) |
| | 69 | Dibenz(a,h)anthracene | 278 | 15.368 | 15.368 | (1.117) | 34446 | 10.0000 | 9.4 |
| | 70 | Benzo(g,h,i)perylene | 276 | 15.768 | 15.768 | (1.146) | 35251 | 10.0000 | 9.7 |

QC Flag Legend

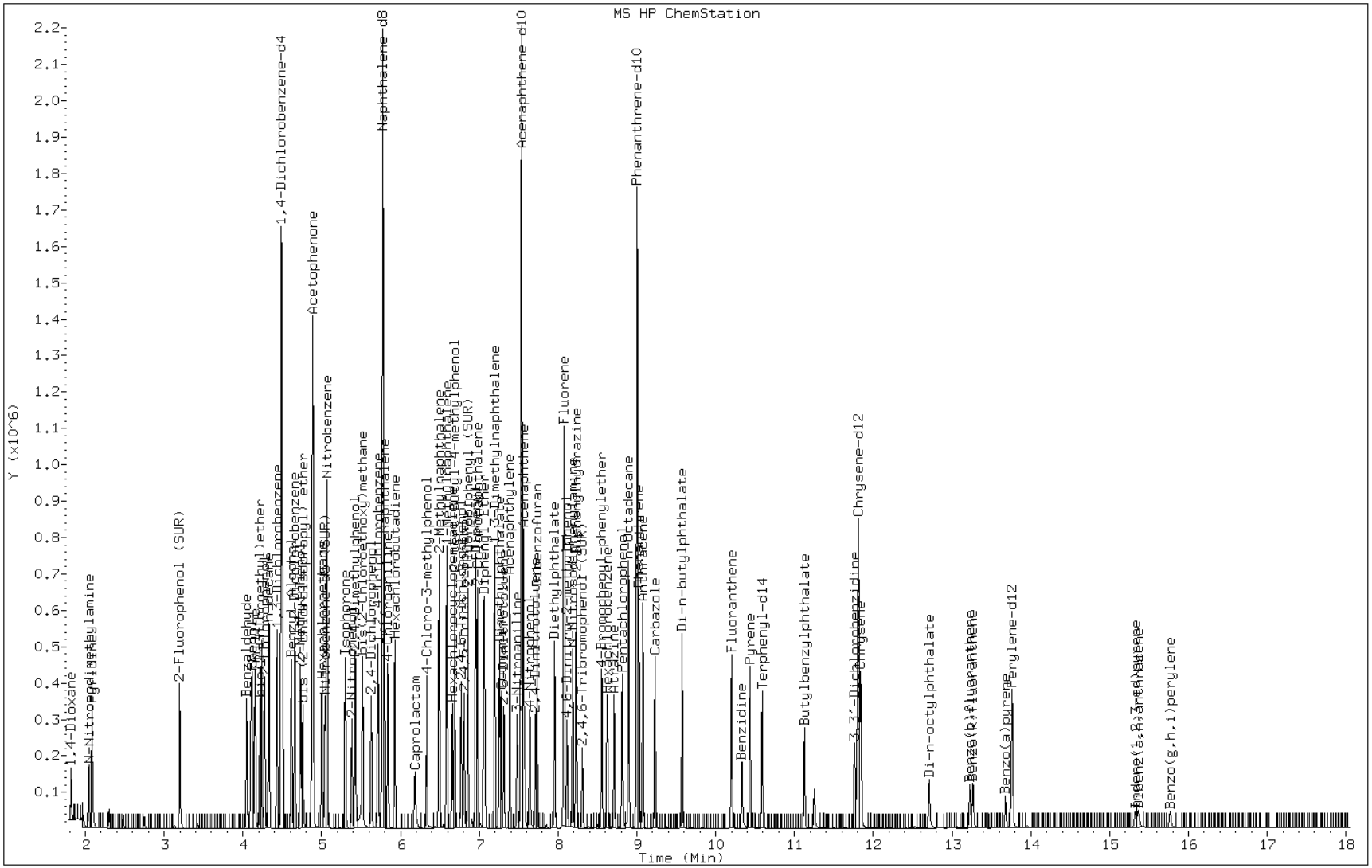
M - Compound response manually integrated.

Data File: z3799.d

Date: 14-SEP-2009 12:48

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154125 Operator: BNAMS 4



# Manual Integration Report

Data File: z3799.d
Inj. Date and Time: 14-SEP-2009 12:48
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/16/2009

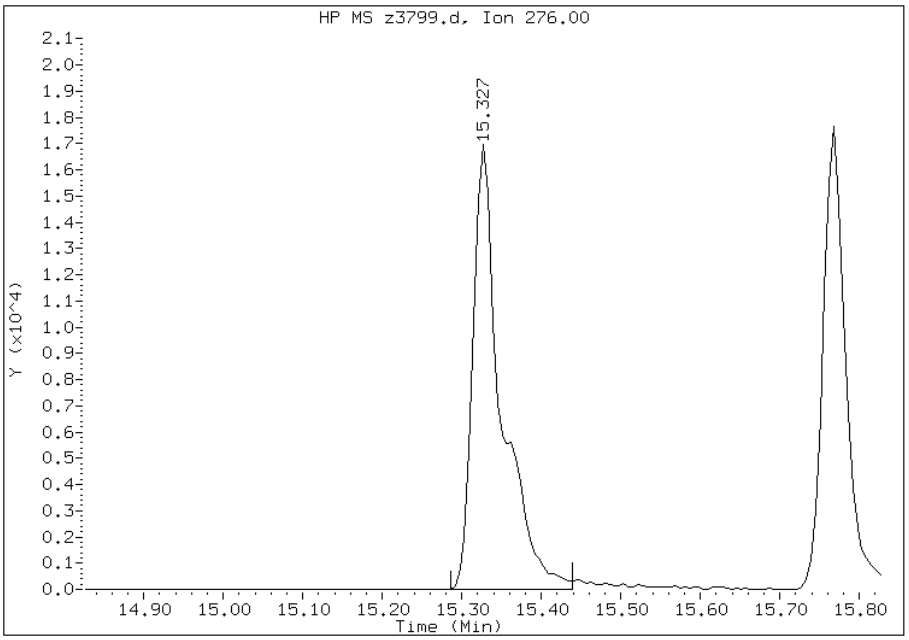
## Processing Integration Results

RT: 15.33

Response: 42143

Amount: 11

Conc: 11



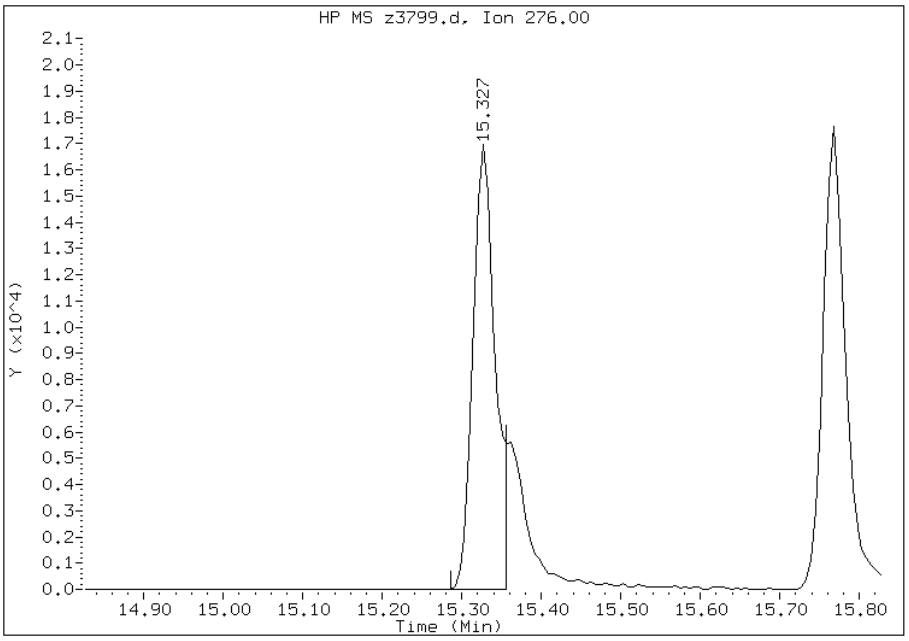

## Manual Integration Results

RT: 15.33

Response: 33153

Amount: 9

Conc: 9




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z3799.d
Inj. Date and Time: 14-SEP-2009 12:48
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/16/2009

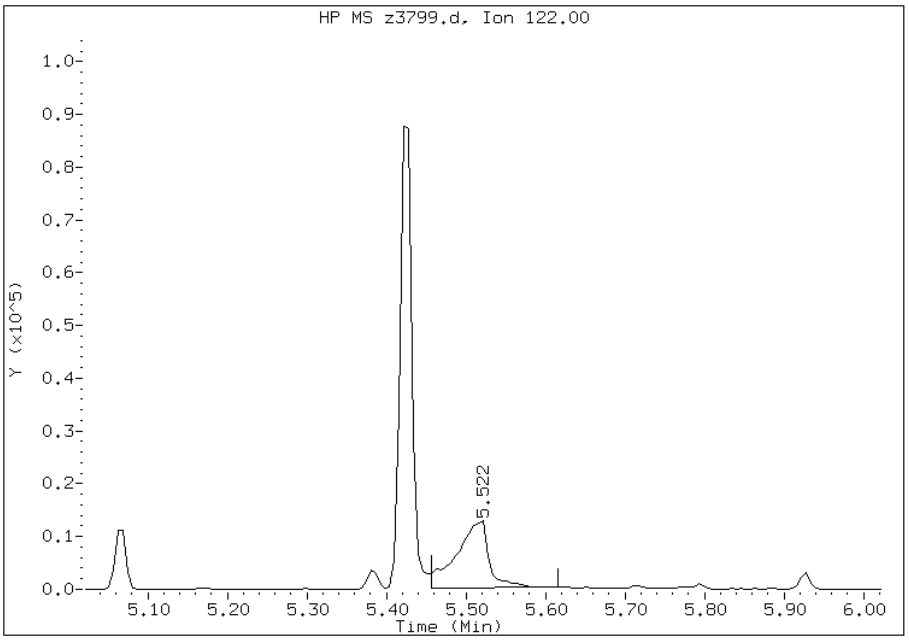
Processing Integration Results

RT: 5.52

Response: 36973

Amount: 13

Conc: 13



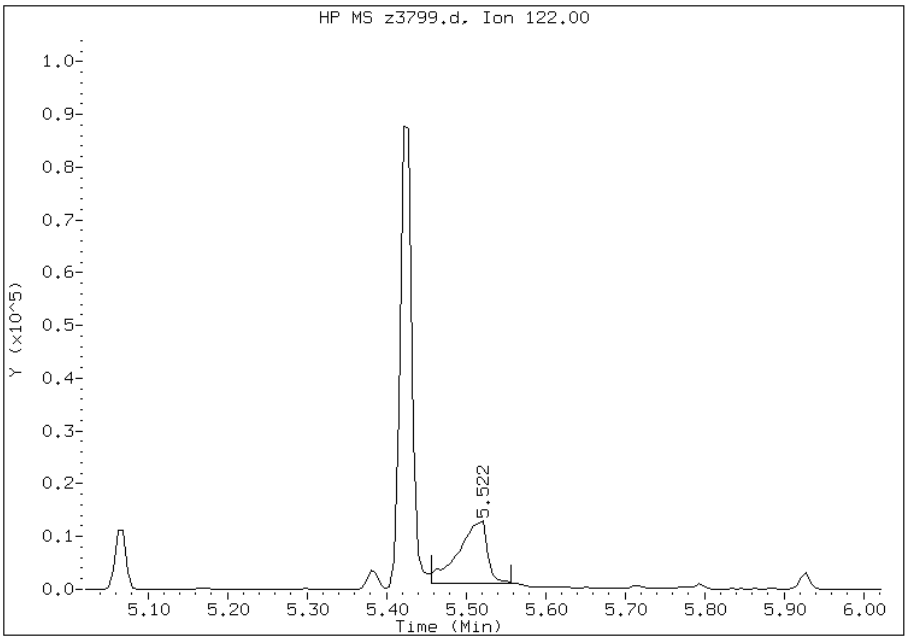

Manual Integration Results

RT: 5.52

Response: 30078

Amount: 11

Conc: 11




Manually Integrated By: rusin
Manual Integration Reason: Peak Tailing or Fronting

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17499/4 | z4012.d |
| Level 2 | IC 460-17499/7 | z4015.d |
| Level 3 | IC 460-17499/6 | z4014.d |
| Level 4 | ICIS 460-17499/2 | z4010.d |
| Level 5 | IC 460-17499/5 | z4013.d |
| Level 6 | IC 460-17499/3 | z4011.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,4-Dioxane | 0<br>0 | 0 | 0 | 0 | 0 | Ave | | | | | | | | 15.0 | | | |
| 2,3,7,8-TCDD | +++++<br>+++++ | +++++ | +++++ | 0.1561 | +++++ | Ave | | 0.1561 | | | | | | 15.0 | | | |
| N-Nitrosodimethylamine | 0.8514<br>0.7997 | 0.8515 | 0.8114 | 0.7967 | 0.8038 | Ave | | 0.8191 | | | | 3.1 | | 15.0 | | | |
| Pyridine | 1.5725<br>1.3870 | 1.5536 | 1.4854 | 1.4321 | 1.3967 | Ave | | 1.4712 | | | | 5.4 | | 15.0 | | | |
| Benzaldehyde | 0.7254<br>0.3074 | 0.8355 | 0.7965 | 0.7870 | 0.4830 | Ave | | 0.6558 | | | | 32.4 | * | 15.0 | | | |
| Phenol | 1.8440<br>1.4600 | 1.6876 | 1.7263 | 1.6095 | 1.5312 | Ave | | 1.6431 | | | | 8.5 | | 30.0 | | | |
| Aniline | 2.1295<br>1.5836 | 2.1835 | 2.1035 | 1.9428 | 1.7643 | Ave | | 1.9512 | | | | 12.1 | | 15.0 | | | |
| Bis(2-chloroethyl)ether | 1.4560<br>1.4319 | 1.4459 | 1.3952 | 1.3133 | 1.3311 | Ave | | 1.3956 | | | | 4.3 | | 15.0 | | | |
| 2-Chlorophenol | 1.5377<br>1.2952 | 1.4829 | 1.4877 | 1.3703 | 1.3469 | Ave | | 1.4201 | | | | 6.7 | | 15.0 | | | |
| n-Decane | 1.3917<br>1.0196 | 1.3767 | 1.3296 | 1.1754 | 1.0395 | Ave | | 1.2221 | | | | 13.7 | | 15.0 | | | |
| 1,3-Dichlorobenzene | 1.8063<br>1.5530 | 1.7659 | 1.7114 | 1.6498 | 1.5922 | Ave | | 1.6798 | | | | 5.9 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.8120<br>1.5426 | 1.7583 | 1.7086 | 1.6601 | 1.5835 | Ave | | 1.6775 | | | | 6.1 | | 30.0 | | | |
| Benzyl alcohol | 0.8449<br>0.7781 | 0.8830 | 0.8229 | 0.7978 | 0.8078 | Ave | | 0.8224 | | | | 4.5 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.7282<br>1.4092 | 1.6536 | 1.6045 | 1.5287 | 1.4601 | Ave | | 1.5641 | | | | 7.7 | | 15.0 | | | |
| 2-Methylphenol | 1.3100<br>1.0244 | 1.2039 | 1.2041 | 1.0748 | 1.0652 | Ave | | 1.1471 | | | | 9.6 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,2'-oxybis[1-chloropropane] | 1.7255<br>1.1305 | 1.6820 | 1.5749 | 1.3921 | 1.2167 | QuaF | | 0.5740 | 0.0931 | | | | | | 0.9994 | | 0.9900 |
| Acetophenone | 2.0229<br>1.4538 | 1.8745 | 1.8001 | 1.5558 | 1.4949 | Ave | | 1.7003 | | | | 13.6 | | 15.0 | | | |
| 3 & 4 Methylphenol | 1.4850<br>0.9857 | 1.3344 | 1.2767 | 1.1283 | 1.0257 | LinF | | 1.0219 | | | | | | | 0.9918 | | 0.9900 |
| 4-Methylphenol | 1.4827<br>0.9857 | 1.3344 | 1.2767 | 1.1283 | 1.0257 | LinF | | 1.0219 | | | | | | | 0.9918 | | 0.9900 |
| N-Nitrosodi-n-propylamine | 0.9705<br>0.7612 | 0.9215 | 0.8588 | 0.7636 | 0.7681 | Ave | | 0.8406 | | | 0.0500 | 10.8 | | 15.0 | | | |
| Hexachloroethane | 0.6702<br>0.5817 | 0.7038 | 0.6715 | 0.6469 | 0.6098 | Ave | | 0.6473 | | | | 6.9 | | 15.0 | | | |
| Nitrobenzene | 0.6243<br>0.4330 | 0.5815 | 0.5531 | 0.5095 | 0.4699 | Ave | | 0.5286 | | | | 13.5 | | 15.0 | | | |
| n,n'-Dimethylaniline | 2.6329<br>1.7810 | 2.2497 | 2.1368 | 1.9529 | 1.8657 | Ave | | 2.1031 | | | | 14.8 | | 15.0 | | | |
| Isophorone | 0.6861<br>0.6202 | 0.6910 | 0.6673 | 0.6363 | 0.6351 | Ave | | 0.6560 | | | | 4.5 | | 15.0 | | | |
| 2-Nitrophenol | 0.2014<br>0.1943 | 0.1975 | 0.2067 | 0.1991 | 0.1976 | Ave | | 0.1994 | | | | 2.1 | | 30.0 | | | |
| 2,4-Dimethylphenol | 0.3371<br>0.2821 | 0.3185 | 0.3196 | 0.2962 | 0.2957 | Ave | | 0.3082 | | | | 6.6 | | 15.0 | | | |
| Bis(2-chloroethoxy)methane | 0.4246<br>0.3725 | 0.4204 | 0.4049 | 0.3901 | 0.3777 | Ave | | 0.3984 | | | | 5.5 | | 15.0 | | | |
| Benzoic acid | 0.0877<br>0.1437 | 0.1271 | 0.1470 | 0.1100 | 0.1063 | Ave | | 0.1203 | | | | 19.2 | * | 15.0 | | | |
| 2,4-Dichlorophenol | 0.2910<br>0.2573 | 0.2805 | 0.2872 | 0.2647 | 0.2615 | Ave | | 0.2737 | | | | 5.2 | | 30.0 | | | |
| 1,2,4-Trichlorobenzene | 0.3768<br>0.3182 | 0.3638 | 0.3437 | 0.3347 | 0.3204 | Ave | | 0.3430 | | | | 6.9 | | 15.0 | | | |
| Naphthalene | 1.1563<br>0.9784 | 1.1746 | 1.1008 | 1.0620 | 1.0057 | Ave | | 1.0796 | | | | 7.3 | | 15.0 | | | |
| 4-Chloroaniline | 0.4307<br>0.3503 | 0.4547 | 0.4220 | 0.3948 | 0.3751 | Ave | | 0.4046 | | | | 9.5 | | 15.0 | | | |
| Hexachlorobutadiene | 0.2229<br>0.1874 | 0.2136 | 0.2068 | 0.1996 | 0.1917 | Ave | | 0.2037 | | | | 6.6 | | 30.0 | | | |
| Caprolactam | 0.0766<br>0.0696 | 0.0819 | 0.0821 | 0.0813 | 0.0801 | Ave | | 0.0786 | | | | 6.2 | | 15.0 | | | |
| 4-Chloro-3-methylphenol | 0.2913<br>0.2476 | 0.2875 | 0.2840 | 0.2694 | 0.2706 | Ave | | 0.2751 | | | | 5.9 | | 30.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Methylnaphthalene | 0.7203<br>0.5877 | 0.6926 | 0.6684 | 0.6263 | 0.6094 | Ave | | 0.6508 | | | | 7.9 | | 15.0 | | | |
| 1-Methylnaphthalene | 0.6931<br>0.5823 | 0.6871 | 0.6570 | 0.5980 | 0.5855 | Ave | | 0.6338 | | | | 8.1 | | 15.0 | | | |
| Hexachlorocyclopentadiene | 0.3598<br>0.4425 | 0.3754 | 0.3993 | 0.4314 | 0.4199 | Ave | | 0.4047 | | | 0.0500 | 8.0 | | 15.0 | | | |
| 2-tertbutyl-4-methylphenol | 0.4611<br>0.3828 | 0.4693 | 0.4507 | 0.4044 | 0.3974 | Ave | | 0.4276 | | | | 8.7 | | 15.0 | | | |
| 2,4,6-Trichlorophenol | 0.3868<br>0.3996 | 0.3695 | 0.3776 | 0.3706 | 0.3701 | Ave | | 0.3790 | | | | 3.2 | | 30.0 | | | |
| 2,4,5-Trichlorophenol | 0.3978<br>0.3549 | 0.3800 | 0.3914 | 0.3676 | 0.3579 | Ave | | 0.3749 | | | | 4.7 | | 15.0 | | | |
| 1,1'-Biphenyl | 1.6901<br>1.4845 | 1.6533 | 1.6257 | 1.5542 | 1.4878 | Ave | | 1.5826 | | | | 5.5 | | 15.0 | | | |
| 2-Chloronaphthalene | 1.3421<br>1.1948 | 1.3345 | 1.2895 | 1.2363 | 1.1835 | Ave | | 1.2634 | | | | 5.5 | | 15.0 | | | |
| Phenyl ether | 0.9114<br>0.8375 | 0.9111 | 0.8798 | 0.8532 | 0.8270 | Ave | | 0.8700 | | | | 4.2 | | 15.0 | | | |
| 2-Nitroaniline | 0.4020<br>0.3190 | 0.4489 | 0.4388 | 0.4219 | 0.3377 | Ave | | 0.3947 | | | | 13.7 | | 15.0 | | | |
| 1,3-Dimethylnaphthalene | 1.0507<br>0.9609 | 1.0536 | 1.0446 | 0.9865 | 0.9501 | Ave | | 1.0077 | | | | 4.7 | | 15.0 | | | |
| Dimethyl phthalate | 1.3344<br>1.1394 | 1.3179 | 1.2518 | 1.2187 | 1.1608 | Ave | | 1.2371 | | | | 6.5 | | 15.0 | | | |
| Coumarin | 0.4196<br>0.3535 | 0.4218 | 0.4011 | 0.3849 | 0.3558 | Ave | | 0.3895 | | | | 7.7 | | 15.0 | | | |
| 2,6-Dinitrotoluene | 0.2704<br>0.2659 | 0.2811 | 0.2827 | 0.2799 | 0.2726 | Ave | | 0.2754 | | | | 2.5 | | 15.0 | | | |
| Acenaphthylene | 2.0293<br>1.7642 | 2.0299 | 1.9392 | 1.9032 | 1.8011 | Ave | | 1.9111 | | | | 5.9 | | 15.0 | | | |
| 3-Nitroaniline | 0.2999<br>0.2482 | 0.2979 | 0.2902 | 0.2803 | 0.2572 | Ave | | 0.2790 | | | | 7.8 | | 15.0 | | | |
| 3,5-di-tert-butyl-4-hydroxytol | 1.0868<br>0.9742 | 1.0775 | 1.0696 | 0.9830 | 0.9678 | Ave | | 1.0265 | | | | 5.5 | | 15.0 | | | |
| Acenaphthene | 1.2147<br>1.0143 | 1.1847 | 1.1198 | 1.0751 | 1.0264 | Ave | | 1.1058 | | | | 7.4 | | 30.0 | | | |
| 2,4-Dinitrophenol | 0.0775<br>0.1324 | 0.0887 | 0.0990 | 0.1164 | 0.1257 | QuaF | | 9.5991 | -5.345 | | 0.0500 | | | | 0.9970 | | 0.9900 |
| 4-Nitrophenol | 0.1776<br>0.1638 | 0.1720 | 0.1758 | 0.1816 | 0.1707 | Ave | | 0.1736 | | | 0.0500 | 3.6 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,4-Dinitrotoluene | 0.3309<br>0.2950 | 0.3389 | 0.3457 | 0.3319 | 0.3102 | Ave | | 0.3254 | | | | 5.9 | | 15.0 | | | |
| Dibenzofuran | 1.7149<br>1.4546 | 1.7071 | 1.6444 | 1.5377 | 1.4639 | Ave | | 1.5871 | | | | 7.4 | | 15.0 | | | |
| Diethyl phthalate | 1.2155<br>1.0519 | 1.2076 | 1.1814 | 1.1624 | 1.0904 | Ave | | 1.1515 | | | | 5.7 | | 15.0 | | | |
| 4-Chlorophenyl phenyl ether | 0.6376<br>0.5464 | 0.6177 | 0.5846 | 0.5638 | 0.5500 | Ave | | 0.5834 | | | | 6.4 | | 15.0 | | | |
| Fluorene | 1.3122<br>1.0779 | 1.2731 | 1.2379 | 1.1762 | 1.1170 | Ave | | 1.1991 | | | | 7.6 | | 15.0 | | | |
| 4-Nitroaniline | 0.2615<br>0.1975 | 0.2646 | 0.2577 | 0.2408 | 0.2084 | Ave | | 0.2384 | | | | 12.1 | | 15.0 | | | |
| 4,6-Dinitro-2-methylphenol | 0.0919<br>0.1297 | 0.1006 | 0.1094 | 0.1188 | 0.1256 | Ave | | 0.1127 | | | | 13.1 | | 15.0 | | | |
| N-Nitrosodiphenylamine | 0.6361<br>0.7081 | 0.6405 | 0.6071 | 0.5933 | 0.5972 | Ave | | 0.6304 | | | | 6.8 | | 30.0 | | | |
| 1,2-Diphenylhydrazine | 1.1626<br>1.0901 | 1.1941 | 1.1462 | 1.1041 | 1.1186 | Ave | | 1.1360 | | | | 3.4 | | 15.0 | | | |
| 4-Bromophenyl phenyl ether | 0.2654<br>0.2744 | 0.2654 | 0.2580 | 0.2624 | 0.2678 | Ave | | 0.2656 | | | | 2.1 | | 15.0 | | | |
| Hexachlorobenzene | 0.2602<br>0.2624 | 0.2621 | 0.2494 | 0.2494 | 0.2560 | Ave | | 0.2566 | | | | 2.3 | | 15.0 | | | |
| Atrazine | 0.2065<br>0.1552 | 0.2000 | 0.1934 | 0.1887 | 0.1720 | Ave | | 0.1860 | | | | 10.3 | | 15.0 | | | |
| Pentachlorophenol | 0.0953<br>0.1273 | 0.1006 | 0.1054 | 0.1166 | 0.1246 | Ave | | 0.1116 | | | | 11.8 | | 30.0 | | | |
| n-Octadecane | 0.6087<br>0.5715 | 0.6427 | 0.6293 | 0.5729 | 0.5700 | Ave | | 0.5992 | | | | 5.4 | | 15.0 | | | |
| Phenanthrene | 1.2117<br>1.0883 | 1.2107 | 1.1658 | 1.1430 | 1.1022 | Ave | | 1.1536 | | | | 4.6 | | 15.0 | | | |
| Anthracene | 1.2222<br>1.0894 | 1.2203 | 1.1931 | 1.1570 | 1.1218 | Ave | | 1.1673 | | | | 4.7 | | 15.0 | | | |
| Carbazole | 0.9708<br>0.7962 | 0.9548 | 0.9318 | 0.8834 | 0.8317 | Ave | | 0.8948 | | | | 7.8 | | 15.0 | | | |
| Di-n-butyl phthalate | 1.1644<br>1.1031 | 1.1970 | 1.2054 | 1.1829 | 1.1357 | Ave | | 1.1648 | | | | 3.4 | | 15.0 | | | |
| Fluoranthene | 0.9503<br>0.8287 | 0.9145 | 0.9444 | 0.8977 | 0.8552 | Ave | | 0.8985 | | | | 5.4 | | 30.0 | | | |
| Benzidine | 0.0872<br>+++++ | 0.2411 | 0.1994 | 0.1146 | 0.0416 | Ave | | 0.1368 | | | | 59.9 | * | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Pyrene | 1.8631<br>1.7015 | 1.9170 | 1.8731 | 1.7596 | 1.6851 | Ave | | 1.7999 | | | | 5.4 | | 15.0 | | | |
| Butyl benzyl phthalate | 0.5974<br>0.6800 | 0.6508 | 0.6807 | 0.6691 | 0.6797 | Ave | | 0.6596 | | | | 4.9 | | 15.0 | | | |
| 3,3'-Dichlorobenzidine | 0.2921<br>0.2613 | 0.3129 | 0.3051 | 0.3061 | 0.2692 | Ave | | 0.2911 | | | | 7.3 | | 15.0 | | | |
| Benzo[a]anthracene | 1.2667<br>1.1057 | 1.1099 | 1.1064 | 1.1053 | 1.0986 | Ave | | 1.1321 | | | | 5.8 | | 15.0 | | | |
| Bis(2-ethylhexyl) phthalate | 0.7848<br>0.8805 | 0.8204 | 0.8536 | 0.8553 | 0.8709 | Ave | | 0.8443 | | | | 4.2 | | 15.0 | | | |
| Chrysene | 1.1090<br>1.0279 | 1.1116 | 1.0542 | 1.0342 | 1.0270 | Ave | | 1.0607 | | | | 3.7 | | 15.0 | | | |
| Di-n-octyl phthalate | 1.2897<br>1.8462 | 1.4167 | 1.6228 | 1.7133 | 1.7575 | Ave | | 1.6077 | | | | 13.3 | | 30.0 | | | |
| Benzo[b]fluoranthene | 0.9747<br>1.2528 | 1.1416 | 1.1706 | 1.1735 | 1.1674 | Ave | | 1.1468 | | | | 8.0 | | 15.0 | | | |
| Benzo[k]fluoranthene | 0.9651<br>1.2563 | 1.2602 | 1.3442 | 1.3187 | 1.3057 | Ave | | 1.2417 | | | | 11.3 | | 15.0 | | | |
| Benzo[a]pyrene | 0.7637<br>1.0506 | 0.9345 | 0.9711 | 1.0261 | 1.0327 | Ave | | 0.9631 | | | | 11.1 | | 30.0 | | | |
| Indeno[1,2,3-cd]pyrene | 0.8610<br>0.9925 | 0.7533 | 0.8531 | 0.8776 | 0.9587 | Ave | | 0.8827 | | | | 9.6 | | 15.0 | | | |
| Dibenz(a,h)anthracene | 0.7046<br>0.9950 | 0.7936 | 0.8315 | 0.9204 | 0.9340 | Ave | | 0.8632 | | | | 12.3 | | 15.0 | | | |
| Benzo[g,h,i]perylene | 0.7776<br>1.0029 | 0.8485 | 0.8750 | 0.9263 | 0.9385 | Ave | | 0.8948 | | | | 8.8 | | 15.0 | | | |
| 2-Fluorophenol | 1.4959<br>1.2291 | 1.5128 | 1.4017 | 1.3139 | 1.2694 | Ave | | 1.3704 | | | | 8.7 | | 15.0 | | | |
| Phenol-d5 | 1.6553<br>1.2984 | 1.6403 | 1.5159 | 1.3994 | 1.3801 | Ave | | 1.4816 | | | | 9.9 | | 15.0 | | | |
| Nitrobenzene-d5 | 0.3886<br>0.3509 | 0.3976 | 0.4005 | 0.3743 | 0.3632 | Ave | | 0.3792 | | | | 5.2 | | 15.0 | | | |
| 2-Fluorobiphenyl | 1.4859<br>1.3730 | 1.4461 | 1.4659 | 1.3578 | 1.3234 | Ave | | 1.4087 | | | | 4.7 | | 15.0 | | | |
| 2,4,6-Tribromophenol | 0.1420<br>0.1322 | 0.1422 | 0.1342 | 0.1399 | 0.1334 | Ave | | 0.1373 | | | | 3.3 | | 15.0 | | | |
| Terphenyl-d14 | 1.1759<br>1.1249 | 1.1823 | 1.2246 | 1.1064 | 1.0899 | Ave | | 1.1507 | | | | 4.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17499/4 | z4012.d |
| Level 2 | IC 460-17499/7 | z4015.d |
| Level 3 | IC 460-17499/6 | z4014.d |
| Level 4 | ICIS 460-17499/2 | z4010.d |
| Level 5 | IC 460-17499/5 | z4013.d |
| Level 6 | IC 460-17499/3 | z4011.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,4-Dioxane | DCB | Ave | 0<br>0 | 0 | 0 | 0 | 0 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,3,7,8-TCDD | CRY | Ave | +++++<br>+++++ | +++++ | +++++ | 580 | +++++ | +++++<br>+++++ | +++++ | +++++ | 0.500 | +++++ |
| N-Nitrosodimethylamine | DCB | Ave | 37652<br>850300 | 73140 | 118921 | 304342 | 546145 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pyridine | DCB | Ave | 69544<br>1474697 | 133439 | 217697 | 547033 | 948960 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzaldehyde | DCB | Ave | 32083<br>326869 | 71765 | 116727 | 300624 | 328188 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol | DCB | Ave | 81553<br>1552264 | 144955 | 252999 | 614817 | 1040377 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Aniline | DCB | Ave | 94178<br>1683673 | 187550 | 308283 | 742133 | 1198721 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethyl)ether | DCB | Ave | 6439<br>1522396 | 124194 | 204476 | 501676 | 904415 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chlorophenol | DCB | Ave | 68005<br>1377094 | 127366 | 218026 | 523457 | 915115 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n-Decane | DCB | Ave | 61548<br>1084032 | 118248 | 194859 | 448974 | 706245 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dichlorobenzene | DCB | Ave | 79882<br>1651179 | 151676 | 250818 | 630193 | 1081836 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 80134<br>1640069 | 151025 | 250403 | 634123 | 1075906 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzyl alcohol | DCB | Ave | 37367<br>827317 | 75846 | 120603 | 304765 | 548858 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 76430<br>1498258 | 142036 | 235149 | 583958 | 992064 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylphenol | DCB | Ave | 57933<br>1089151 | 103410 | 176472 | 410554 | 723736 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,2'-oxybis[1-chloropropane] | DCB | QuaF | 76310<br>1201919 | 144471 | 230806 | 531764 | 826670 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Acetophenone | DCB | Ave | 89465<br>1545669 | 161005 | 263818 | 594285 | 1015692 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3 & 4 Methylphenol | DCB | LinF | 65674<br>1048053 | 114617 | 187111 | 431017 | 696890 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Methylphenol | DCB | LinF | 65573<br>1048053 | 114617 | 187111 | 431017 | 696890 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| N-Nitrosodi-n-propylamine | DCB | Ave | 4292<br>809352 | 79149 | 125855 | 291683 | 521846 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachloroethane | DCB | Ave | 2964<br>618458 | 60450 | 98410 | 247123 | 414316 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene | NPT | Ave | 10179<br>1621580 | 179691 | 289954 | 670204 | 1130187 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n,n'-Dimethylaniline | DCB | Ave | 11644<br>1893597 | 193230 | 313152 | 745986 | 1267606 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Isophorone | NPT | Ave | 111863<br>2322542 | 213538 | 349801 | 836854 | 1527490 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitrophenol | NPT | Ave | 32833<br>727622 | 61025 | 108343 | 261836 | 475308 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dimethylphenol | NPT | Ave | 54968<br>1056241 | 98427 | 167543 | 389551 | 711303 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethoxy)methane | NPT | Ave | 69228<br>1395139 | 129907 | 212265 | 513066 | 908378 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzoic acid | NPT | Ave | 14297<br>538126 | 39266 | 77050 | 144716 | 255656 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dichlorophenol | NPT | Ave | 47438<br>963622 | 86671 | 150573 | 348184 | 629036 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2,4-Trichlorobenzene | NPT | Ave | 6144<br>1191796 | 112442 | 180194 | 440248 | 770590 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Naphthalene | NPT | Ave | 188531<br>3664161 | 363002 | 577069 | 1396772 | 2418938 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloroaniline | NPT | Ave | 70216<br>1311708 | 140520 | 221200 | 519320 | 902218 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobutadiene | NPT | Ave | 7270<br>701717 | 66023 | 108420 | 262468 | 461034 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Caprolactam | NPT | Ave | 12491<br>260460 | 25298 | 43052 | 106884 | 192605 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloro-3-methylphenol | NPT | Ave | 47490<br>927273 | 88837 | 148876 | 354332 | 650810 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylnaphthalene | NPT | Ave | 117443<br>2200886 | 214029 | 350367 | 823758 | 1465874 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1-Methylnaphthalene | NPT | Ave | 113011<br>2180677 | 212351 | 344397 | 786530 | 1408330 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Hexachlorocyclopentadiene | ANT | Ave | 27978<br>731087 | 55753 | 99098 | 261366 | 468211 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-tertbutyl-4-methylphenol | NPT | Ave | 75186<br>1433683 | 145042 | 236269 | 531968 | 955907 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Trichlorophenol | ANT | Ave | 30074<br>660209 | 54868 | 93701 | 224506 | 412655 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,5-Trichlorophenol | ANT | Ave | 30928<br>586445 | 56431 | 97145 | 222696 | 399068 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,1'-Biphenyl | ANT | Ave | 131403<br>2452845 | 245508 | 403470 | 941523 | 1658915 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chloronaphthalene | ANT | Ave | 104352<br>1974226 | 198167 | 320012 | 748945 | 1319610 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenyl ether | ANT | Ave | 70858<br>1383756 | 135294 | 218358 | 516847 | 922091 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitroaniline | ANT | Ave | 62516<br>527018 | 66657 | 108902 | 255560 | 376556 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dimethylnaphthalene | ANT | Ave | 81694<br>1587692 | 156449 | 259240 | 597607 | 1059390 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dimethyl phthalate | ANT | Ave | 103749<br>1882636 | 195700 | 310663 | 738270 | 1294306 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Coumarin | ANT | Ave | 32627<br>584123 | 62641 | 99541 | 233186 | 396764 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,6-Dinitrotoluene | ANT | Ave | 4205<br>439294 | 41745 | 70155 | 169562 | 303961 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthylene | ANT | Ave | 157776<br>2914889 | 301427 | 481273 | 1152965 | 2008252 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3-Nitroaniline | ANT | Ave | 46637<br>410099 | 44234 | 72023 | 169837 | 286762 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,5-di-tert-butyl-4-hydroxytol | ANT | Ave | 84500<br>1609603 | 160010 | 265457 | 595494 | 1079099 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthene | ANT | Ave | 94442<br>1675881 | 175927 | 277900 | 651285 | 1144433 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dinitrophenol | ANT | QuaF | 18081<br>218711 | 26335 | 36838 | 70531 | 140182 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 4-Nitrophenol | ANT | Ave | 41434<br>270689 | 51097 | 65458 | 110040 | 190379 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 2,4-Dinitrotoluene | ANT | Ave | 5146<br>487361 | 50319 | 85789 | 201052 | 345847 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenzofuran | ANT | Ave | 133333<br>2403485 | 253500 | 408096 | 931533 | 1632324 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Diethyl phthalate | ANT | Ave | 94504<br>1738006 | 179325 | 293202 | 704164 | 1215774 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 4-Chlorophenyl phenyl ether | ANT | Ave | 49575<br>902872 | 91729 | 145086 | 341529 | 613287 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluorene | ANT | Ave | 102027<br>1780962 | 189054 | 307220 | 712561 | 1245455 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Nitroaniline | ANT | Ave | 40667<br>326364 | 39288 | 63960 | 145853 | 232402 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4,6-Dinitro-2-methylphenol | PHN | Ave | 26743<br>237896 | 36708 | 50497 | 87969 | 159949 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| N-Nitrosodiphenylamine | PHN | Ave | 61735<br>1298806 | 116830 | 186839 | 439435 | 760326 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Diphenylhydrazine | PHN | Ave | 112823<br>1999592 | 217804 | 352771 | 817822 | 1424226 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Bromophenyl phenyl ether | PHN | Ave | 25755<br>503414 | 48400 | 79392 | 194357 | 340944 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobenzene | PHN | Ave | 2525<br>481290 | 47805 | 76751 | 184722 | 325935 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Atrazine | PHN | Ave | 20040<br>284700 | 36481 | 59524 | 139794 | 218972 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pentachlorophenol | PHN | Ave | 27733<br>233590 | 36697 | 48638 | 86342 | 158623 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| n-Octadecane | PHN | Ave | 59069<br>1048327 | 117218 | 193665 | 424331 | 725711 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenanthrene | PHN | Ave | 117592<br>1996374 | 220825 | 358788 | 846603 | 1403274 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Anthracene | PHN | Ave | 118608<br>1998241 | 222571 | 367189 | 857033 | 1428255 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Carbazole | PHN | Ave | 94215<br>1460421 | 174154 | 286783 | 654328 | 1058881 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-butyl phthalate | PHN | Ave | 113002<br>2023426 | 218323 | 370982 | 876180 | 1445957 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluoranthene | PHN | Ave | 92223<br>1520091 | 166807 | 290652 | 664936 | 1088818 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzidine | PHN | Ave | 8462<br>+++++ | 87961 | 92056 | 84908 | 52976 | 5.00<br>+++++ | 20.0 | 30.0 | 50.0 | 80.0 |
| Pyrene | CRY | Ave | 91826<br>1440086 | 166792 | 288537 | 653867 | 1052652 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Butyl benzyl phthalate | CRY | Ave | 29442<br>575535 | 56621 | 104852 | 248654 | 424579 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,3'-Dichlorobenzidine | CRY | Ave | 28797<br>221150 | 54454 | 70496 | 113762 | 168157 | 10.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| Benzo[a]anthracene | CRY | Ave | 6243<br>935829 | 96567 | 170433 | 410727 | 686318 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Bis(2-ethylhexyl) phthalate | CRY | Ave | 38681<br>745248 | 71375 | 131488 | 317835 | 544062 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Chrysene | CRY | Ave | 54659<br>869967 | 96715 | 162388 | 384312 | 641593 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-octyl phthalate | PRY | Ave | 37779<br>1050631 | 76187 | 151266 | 421761 | 750884 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[b]fluoranthene | PRY | Ave | 2855<br>712939 | 61395 | 109119 | 288888 | 498741 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[k]fluoranthene | PRY | Ave | 2827<br>714917 | 67771 | 125296 | 324636 | 557859 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[a]pyrene | PRY | Ave | 2237<br>597899 | 50258 | 90516 | 252606 | 441215 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Ave | 2522<br>564813 | 40510 | 79518 | 216048 | 409590 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 2064<br>566236 | 42679 | 77505 | 226568 | 399058 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 22776<br>570730 | 45633 | 81560 | 228023 | 400975 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorophenol | DCB | Ave | 66155<br>1306829 | 129937 | 205419 | 501888 | 862452 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol-d5 | DCB | Ave | 73205<br>1380492 | 140891 | 222156 | 534559 | 937685 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene-d5 | NPT | Ave | 63355<br>1314074 | 122877 | 209949 | 492293 | 873681 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorobiphenyl | ANT | Ave | 115532<br>2268540 | 214736 | 363797 | 822538 | 1475672 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Tribromophenol | ANT | Ave | 11041<br>218506 | 21117 | 33294 | 84762 | 148738 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Terphenyl-d14 | CRY | Ave | 57956<br>952090 | 102867 | 188644 | 411133 | 680843 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Lab Smp Id: ICIS-154120
Inj Date : 21-SEP-2009 01:32
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : ICIS-154120
Misc Info : 50ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.928 | 1.928 | (0.441) | 304342 | 50.0000 | 49 |
| | 71 Pyridine | 79 | 1.957 | 1.957 | (0.448) | 547033 | 50.0000 | 49 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.705) | 501888 | 50.0000 | 48 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.898) | 300624 | 50.0000 | 60 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.010 | 4.010 | (0.918) | 534559 | 50.0000 | 47 |
| | 1 Phenol | 94 | 4.022 | 4.022 | (0.921) | 614817 | 50.0000 | 49 |
| | 73 Aniline | 93 | 4.040 | 4.040 | (0.925) | 742133 | 50.0000 | 50 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.098 | 4.098 | (0.938) | 501676 | 50.0000 | 47 |
| | 2 2-Chlorophenol | 128 | 4.163 | 4.163 | (0.953) | 523457 | 50.0000 | 48 |
| | 113 n-decane | 43 | 4.210 | 4.210 | (0.964) | 448974 | 50.0000 | 48 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.987) | 630193 | 50.0000 | 49 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.369 | (1.000) | 305592 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.003) | 634123 | 50.0000 | 49 |
| | 74 Benzyl Alcohol | 108 | 4.510 | 4.510 | (1.032) | 304765 | 50.0000 | 48 |
| | 23 1,2-Dichlorobenzene | 146 | 4.540 | 4.540 | (1.039) | 583958 | 50.0000 | 49 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.628 | 4.628 | (1.059) | 410554 | 50.0000 | 47 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.640 | 4.640 | (1.062) | 531764 | 50.0000 | 51 |
| | 104 Acetophenone | 105 | 4.775 | 4.775 | (1.093) | 594285 | 50.0000 | 46 |
| | 4 4-Methylphenol | 108 | 4.781 | 4.781 | (1.094) | 431017 | 50.0000 | 55 |
| | 124 3 & 4 methylphenol | 108 | 4.781 | 4.781 | (1.094) | 431017 | 50.0000 | 55 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.781 | 4.781 | (1.094) | 291683 | 50.0000 | 45 |
| | 26 Hexachloroethane | 117 | 4.881 | 4.881 | (1.117) | 247123 | 50.0000 | 50 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.928 | 4.928 | (0.872) | 492293 | 50.0000 | 49 |
| | 27 Nitrobenzene | 77 | 4.951 | 4.951 | (0.876) | 670204 | 50.0000 | 48 |
| | 107 N,N-Dimethylaniline | 120 | 4.951 | 4.951 | (1.133) | 745986 | 50.0000 | 46 |
| | 28 Isophorone | 82 | 5.187 | 5.187 | (0.918) | 836854 | 50.0000 | 48 |
| | 5 2-Nitrophenol | 139 | 5.263 | 5.263 | (0.931) | 261836 | 50.0000 | 50 |
| | 6 2,4-Dimethylphenol | 122 | 5.316 | 5.316 | (0.941) | 389551 | 50.0000 | 48 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.404 | 5.404 | (0.956) | 513066 | 50.0000 | 49 |
| | 15 Benzoic Acid | 122 | 5.445 | 5.445 | (0.964) | 144716 | 50.0000 | 46 |
| | 7 2,4-Dichlorophenol | 162 | 5.510 | 5.510 | (0.975) | 348184 | 50.0000 | 48 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.592 | 5.592 | (0.990) | 440248 | 50.0000 | 49 |
| * | 80 Naphthalene-d8 | 136 | 5.651 | 5.651 | (1.000) | 1052231 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.669 | 5.669 | (1.003) | 1396772 | 50.0000 | 49 |
| | 32 4-Chloroaniline | 127 | 5.728 | 5.728 | (1.014) | 519320 | 50.0000 | 49 |
| | 33 Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.027) | 262468 | 50.0000 | 49 |
| | 111 Caprolactam | 113 | 6.104 | 6.104 | (1.080) | 106884 | 50.0000 | 52 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.228 | 6.228 | (1.102) | 354332 | 50.0000 | 49 |
| | 34 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.126) | 823758 | 50.0000 | 48 |
| | 120 1-Methylnaphthalene | 142 | 6.463 | 6.463 | (1.144) | 786530 | 50.0000 | 47 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 261366 | 50.0000 | 53 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.575 | 6.575 | (1.163) | 531968 | 50.0000 | 47 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.651 | 6.651 | (0.898) | 224506 | 50.0000 | 49 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.692 | 6.692 | (0.904) | 222696 | 50.0000 | 49 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.734 | 6.734 | (0.909) | 822538 | 50.0000 | 48 |
| | 102 Diphenyl | 154 | 6.834 | 6.834 | (0.923) | 941523 | 50.0000 | 49 |
| | 36 2-Chloronaphthalene | 162 | 6.851 | 6.851 | (0.925) | 748945 | 50.0000 | 49 |
| | 103 Diphenyl Ether | 170 | 6.939 | 6.939 | (0.937) | 516847 | 50.0000 | 49 |
| | 37 2-Nitroaniline | 65 | 6.957 | 6.957 | (0.940) | 255560 | 50.0000 | 53 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.069 | 7.069 | (0.955) | 597607 | 50.0000 | 49 |
| | 38 Dimethylphthalate | 163 | 7.139 | 7.139 | (0.964) | 738270 | 50.0000 | 49 |
| | 114 Coumarin | 146 | 7.157 | 7.157 | (0.967) | 233186 | 50.0000 | 49 |
| | 40 2,6-Dinitrotoluene | 165 | 7.198 | 7.198 | (0.972) | 169562 | 50.0000 | 51 |
| | 39 Acenaphthylene | 152 | 7.263 | 7.263 | (0.981) | 1152965 | 50.0000 | 50 |
| | 41 3-Nitroaniline | 138 | 7.363 | 7.363 | (0.994) | 169837 | 50.0000 | 50 |
| * | 82 Acenaphthene-d10 | 164 | 7.404 | 7.404 | (1.000) | 484646 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.439 | 7.439 | (1.005) | 651285 | 50.0000 | 49 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.428 | 7.428 | (1.003) | 595494 | 50.0000 | 48 |
| | 11 2,4-Dinitrophenol | 184 | 7.463 | 7.463 | (1.008) | 70531 | 50.0000 | 51 |
| | 12 4-Nitrophenol | 65 | 7.534 | 7.534 | (1.017) | 110040 | 50.0000 | 52 |
| | 44 2,4-Dinitrotoluene | 165 | 7.592 | 7.592 | (1.025) | 201052 | 50.0000 | 51 |
| | 43 Dibenzofuran | 168 | 7.604 | 7.604 | (1.027) | 931533 | 50.0000 | 48 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.833 | 7.833 | (1.058) | 704164 | 50.0000 | 50 |
| | 47 Fluorene | 166 | 7.945 | 7.945 | (1.073) | 712561 | 50.0000 | 49 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.945 | 7.945 | (1.073) | 341529 | 50.0000 | 48 |
| | 48 4-Nitroaniline | 138 | 7.969 | 7.969 | (1.076) | 145853 | 50.0000 | 50 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.998 | 7.998 | (0.902) | 87969 | 50.0000 | 53 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.063 | 8.063 | (0.909) | 439435 | 50.0000 | 47 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.098 | 8.098 | (0.913) | 817822 | 50.0000 | 48 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.181 | 8.181 | (1.105) | 84762 | 50.0000 | 51 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.422 | 8.422 | (0.950) | 194357 | 50.0000 | 49 |
| | 51 Hexachlorobenzene | 284 | 8.492 | 8.492 | (0.958) | 184722 | 50.0000 | 48 |
| | 112 Atrazine | 200 | 8.586 | 8.586 | (0.968) | 139794 | 50.0000 | 51 |
| | 14 Pentachlorophenol | 266 | 8.686 | 8.686 | (0.979) | 86342 | 50.0000 | 52 |
| | 115 n-Octadecane | 57 | 8.763 | 8.763 | (0.988) | 424331 | 50.0000 | 48 |
| * | 83 Phenanthrene-d10 | 188 | 8.869 | 8.869 | (1.000) | 592573 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.892 | 8.892 | (1.003) | 846603 | 50.0000 | 50 |
| | 53 Anthracene | 178 | 8.939 | 8.939 | (1.008) | 857033 | 50.0000 | 50 |
| | 54 Carbazole | 167 | 9.098 | 9.098 | (1.026) | 654328 | 50.0000 | 49 |
| | 55 Di-n-butylphthalate | 149 | 9.439 | 9.439 | (1.064) | 876180 | 50.0000 | 51 |
| | 56 Fluoranthene | 202 | 10.063 | 10.063 | (1.135) | 664936 | 50.0000 | 50 |
| | 58 Benzidine | 184 | 10.186 | 10.186 | (1.149) | 84908 | 50.0000 | 42 |
| | 57 Pyrene | 202 | 10.286 | 10.286 | (0.884) | 653867 | 50.0000 | 49 |
| $ | 78 Terphenyl-d14 | 244 | 10.439 | 10.439 | (0.897) | 411133 | 50.0000 | 48 |
| | 59 Butylbenzylphthalate | 149 | 10.969 | 10.969 | (0.943) | 248654 | 50.0000 | 51 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 11.080 | 11.080 | (0.952) | 580 | 0.50000 | 0.50 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.592 | 11.592 | (0.996) | 113762 | 50.0000 | 52 |
| | 61 Benzo(a)anthracene | 228 | 11.621 | 11.621 | (0.999) | 410727 | 50.0000 | 49 |
| * | 81 Chrysene-d12 | 240 | 11.633 | 11.633 | (1.000) | 297279 | 40.0000 | |
| | 62 Chrysene | 228 | 11.669 | 11.669 | (1.003) | 384312 | 50.0000 | 49 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.663 | 11.663 | (1.003) | 317835 | 50.0000 | 51 |
| | 64 Di-n-octylphthalate | 149 | 12.521 | 12.521 | (0.924) | 421761 | 50.0000 | 53 |
| | 65 Benzo(b)fluoranthene | 252 | 13.027 | 13.027 | (0.961) | 288888 | 50.0000 | 51 |
| | 66 Benzo(k)fluoranthene | 252 | 13.068 | 13.068 | (0.964) | 324636 | 50.0000 | 53 |
| | 67 Benzo(a)pyrene | 252 | 13.474 | 13.474 | (0.994) | 252606 | 50.0000 | 53 |
| * | 84 Perylene-d12 | 264 | 13.551 | 13.551 | (1.000) | 196937 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.074 | 15.074 | (1.112) | 216048 | 50.0000 | 50(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.110 | 15.110 | (1.115) | 226568 | 50.0000 | 53 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.498 | 15.498 | (1.144) | 228023 | 50.0000 | 52 |

QC Flag Legend

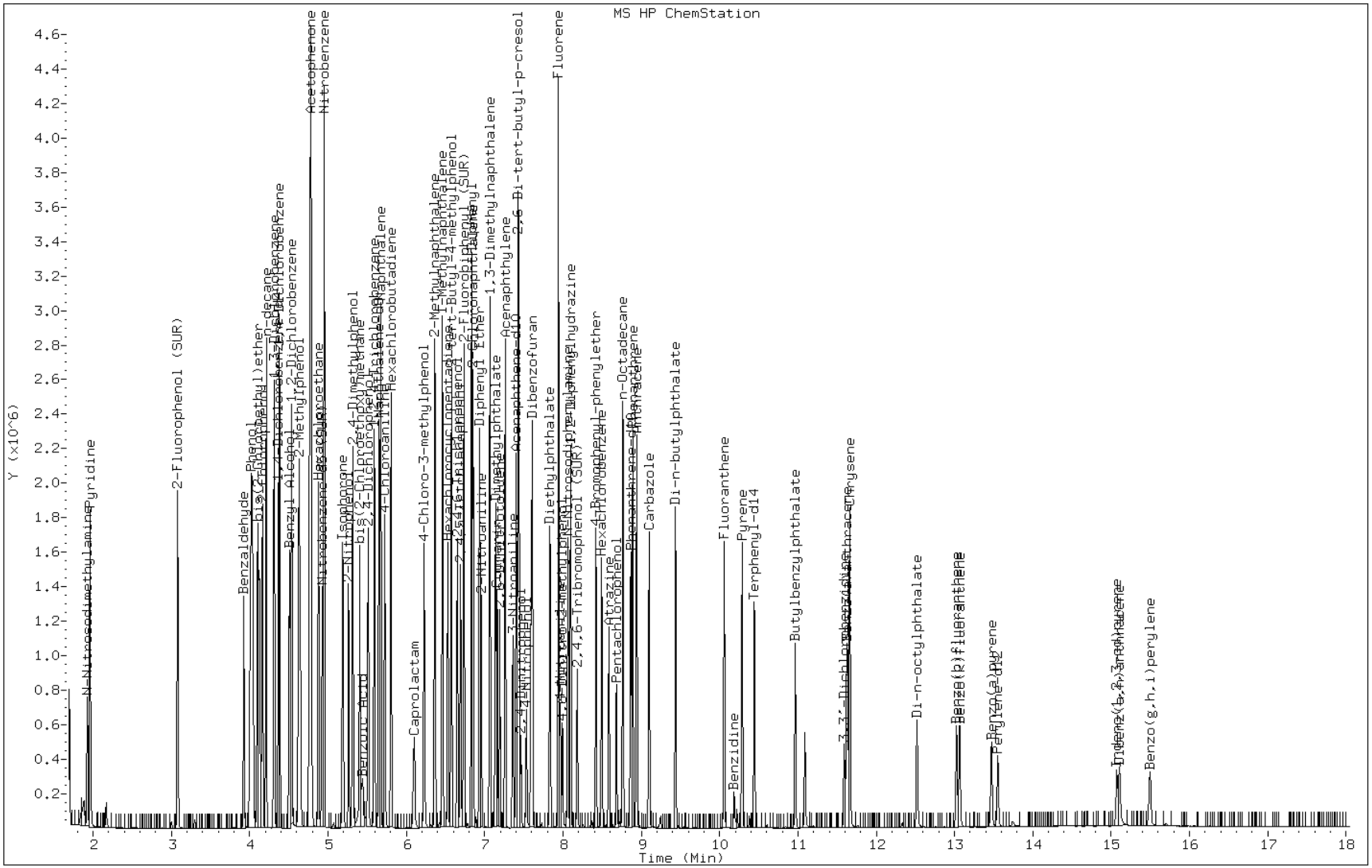
M - Compound response manually integrated.

Data File: z4010.d

Date: 21-SEP-2009 01:32

Client ID: Instrument: BNAMS11.i

Sample Info: ICIS-154120 Operator: BNAMS 4



# Manual Integration Report

Data File: z4010.d
Inj. Date and Time: 21-SEP-2009 01:32
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

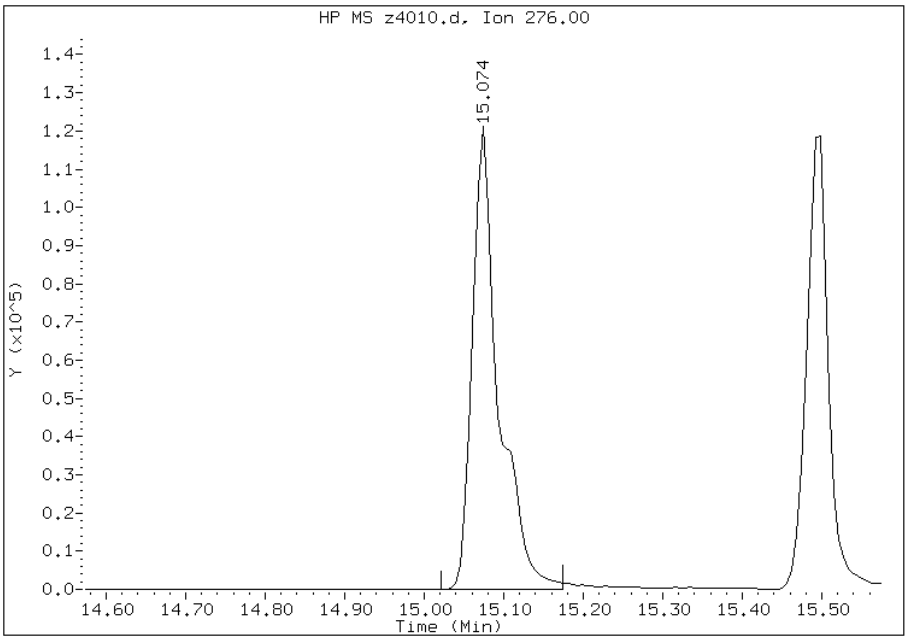
## Processing Integration Results

RT: 15.07

Response: 275092

Amount: 70

Conc: 70



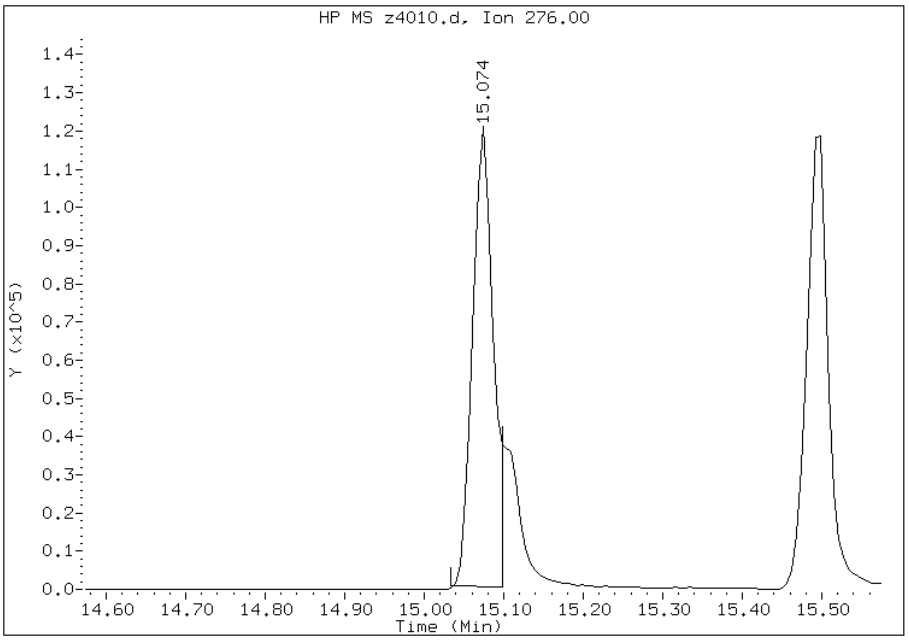

## Manual Integration Results

RT: 15.07

Response: 216048

Amount: 50

Conc: 50




Manually Integrated By: rusin
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Lab Smp Id: IC-154124
Inj Date : 21-SEP-2009 02:22
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154124
Misc Info : 120 ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 2.016 | 1.928 | (0.461) | 850300 | 120.000 | 120(AH) |
| | 71 Pyridine | 79 | 2.052 | 1.957 | (0.469) | 1474697 | 120.000 | 120(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.122 | 3.081 | (0.714) | 1306829 | 120.000 | 120 |
| | 110 Benzaldehyde | 77 | 3.940 | 3.922 | (0.900) | 326869 | 120.000 | 67 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.040 | 4.010 | (0.923) | 1380492 | 120.000 | 120 |
| | 1 Phenol | 94 | 4.057 | 4.022 | (0.927) | 1552264 | 120.000 | 110 |
| | 73 Aniline | 93 | 4.057 | 4.040 | (0.927) | 1683673 | 120.000 | 110 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.128 | 4.098 | (0.944) | 1522396 | 120.000 | 120(A) |
| | 2 2-Chlorophenol | 128 | 4.187 | 4.163 | (0.957) | 1377094 | 120.000 | 120 |
| | 113 n-decane | 43 | 4.222 | 4.210 | (0.965) | 1084032 | 120.000 | 110 |
| | 21 1,3-Dichlorobenzene | 146 | 4.328 | 4.310 | (0.989) | 1651179 | 120.000 | 120 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.375 | 4.369 | (1.000) | 354405 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.399 | 4.381 | (1.005) | 1640069 | 120.000 | 120 |
| | 74 Benzyl Alcohol | 108 | 4.534 | 4.510 | (1.036) | 827317 | 120.000 | 120 |
| | 23 1,2-Dichlorobenzene | 146 | 4.551 | 4.540 | (1.040) | 1498258 | 120.000 | 120 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | ========== | ==== | == | ====== | ====== | ======== | ======= | ======= |
| 3 | 2-Methylphenol | 108 | 4.646 | 4.628 | (1.062) | 1089151 | 120.000 | 120 |
| 24 | bis (2-chloroisopropyl) ether | 45 | 4.657 | 4.640 | (1.065) | 1201919 | 120.000 | 120 |
| 104 | Acetophenone | 105 | 4.798 | 4.775 | (1.097) | 1545669 | 120.000 | 120 |
| 4 | 4-Methylphenol | 108 | 4.816 | 4.781 | (1.101) | 1048053 | 120.000 | 120(H) |
| 124 | 3 & 4 methylphenol | 108 | 4.816 | 4.781 | (1.101) | 1048053 | 120.000 | 120(H) |
| 25 | N-Nitroso-di-n-propylamine | 70 | 4.834 | 4.781 | (1.105) | 809352 | 120.000 | 120(M) |
| 26 | Hexachloroethane | 117 | 4.887 | 4.881 | (1.117) | 618458 | 120.000 | 110 |
| $ 76 | Nitrobenzene-d5 (SUR) | 82 | 4.946 | 4.928 | (0.874) | 1314074 | 120.000 | 120 |
| 27 | Nitrobenzene | 77 | 4.975 | 4.951 | (0.879) | 1621580 | 120.000 | 110 |
| 107 | N,N-Dimethylaniline | 120 | 4.969 | 4.951 | (1.136) | 1893597 | 120.000 | 110 |
| 28 | Isophorone | 82 | 5.216 | 5.187 | (0.922) | 2322542 | 120.000 | 120 |
| 5 | 2-Nitrophenol | 139 | 5.281 | 5.263 | (0.933) | 727622 | 120.000 | 120 |
| 6 | 2,4-Dimethylphenol | 122 | 5.340 | 5.316 | (0.944) | 1056241 | 120.000 | 120 |
| 29 | bis(2-Chloroethoxy)methane | 93 | 5.422 | 5.404 | (0.958) | 1395139 | 120.000 | 120 |
| 15 | Benzoic Acid | 122 | 5.522 | 5.445 | (0.976) | 538126 | 120.000 | 140(AH) |
| 7 | 2,4-Dichlorophenol | 162 | 5.528 | 5.510 | (0.977) | 963622 | 120.000 | 120 |
| 30 | 1,2,4-Trichlorobenzene | 180 | 5.604 | 5.592 | (0.991) | 1191796 | 120.000 | 120 |
| * 80 | Naphthalene-d8 | 136 | 5.657 | 5.651 | (1.000) | 1248288 | 40.0000 | |
| 31 | Naphthalene | 128 | 5.681 | 5.669 | (1.004) | 3664161 | 120.000 | 120 |
| 32 | 4-Chloroaniline | 127 | 5.740 | 5.728 | (1.015) | 1311708 | 120.000 | 110 |
| 33 | Hexachlorobutadiene | 225 | 5.810 | 5.804 | (1.027) | 701717 | 120.000 | 120 |
| 111 | Caprolactam | 113 | 6.175 | 6.104 | (1.091) | 260460 | 120.000 | 110(H) |
| 8 | 4-Chloro-3-methylphenol | 107 | 6.245 | 6.228 | (1.104) | 927273 | 120.000 | 110 |
| 34 | 2-Methylnaphthalene | 142 | 6.375 | 6.363 | (1.127) | 2200886 | 120.000 | 120 |
| 120 | 1-Methylnaphthalene | 142 | 6.475 | 6.463 | (1.145) | 2180677 | 120.000 | 120 |
| 35 | Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 731087 | 120.000 | 120(A) |
| 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.587 | 6.575 | (1.164) | 1433683 | 120.000 | 120 |
| 9 | 2,4,6-Trichlorophenol | 196 | 6.663 | 6.651 | (0.899) | 660209 | 120.000 | 120(A) |
| 10 | 2,4,5-Trichlorophenol | 196 | 6.710 | 6.692 | (0.906) | 586445 | 120.000 | 120 |
| $ 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.745 | 6.734 | (0.910) | 2268540 | 120.000 | 120(A) |
| 102 | Diphenyl | 154 | 6.845 | 6.834 | (0.924) | 2452845 | 120.000 | 120 |
| 36 | 2-Chloronaphthalene | 162 | 6.863 | 6.851 | (0.926) | 1974226 | 120.000 | 120 |
| 103 | Diphenyl Ether | 170 | 6.945 | 6.939 | (0.937) | 1383756 | 120.000 | 120 |
| 37 | 2-Nitroaniline | 65 | 6.969 | 6.957 | (0.940) | 527018 | 120.000 | 100 |
| 123 | 1,3-Dimethylnaphthalene | 156 | 7.081 | 7.069 | (0.956) | 1587692 | 120.000 | 120 |
| 38 | Dimethylphthalate | 163 | 7.151 | 7.139 | (0.965) | 1882636 | 120.000 | 120 |
| 114 | Coumarin | 146 | 7.175 | 7.157 | (0.968) | 584123 | 120.000 | 110 |
| 40 | 2,6-Dinitrotoluene | 165 | 7.210 | 7.198 | (0.973) | 439294 | 120.000 | 120 |
| 39 | Acenaphthylene | 152 | 7.275 | 7.263 | (0.982) | 2914889 | 120.000 | 120 |
| 41 | 3-Nitroaniline | 138 | 7.381 | 7.363 | (0.996) | 410099 | 120.000 | 110 |
| * 82 | Acenaphthene-d10 | 164 | 7.410 | 7.404 | (1.000) | 550762 | 40.0000 | |
| 42 | Acenaphthene | 154 | 7.445 | 7.439 | (1.005) | 1675881 | 120.000 | 120 |
| 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.434 | 7.428 | (1.003) | 1609603 | 120.000 | 120 |
| 11 | 2,4-Dinitrophenol | 184 | 7.475 | 7.463 | (1.009) | 218711 | 120.000 | 120(A) |
| 12 | 4-Nitrophenol | 65 | 7.551 | 7.534 | (1.019) | 270689 | 120.000 | 110 |
| 44 | 2,4-Dinitrotoluene | 165 | 7.604 | 7.592 | (1.026) | 487361 | 120.000 | 110 |
| 43 | Dibenzofuran | 168 | 7.616 | 7.604 | (1.028) | 2403485 | 120.000 | 120 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 45 Diethylphthalate | 149 | 7.845 | 7.833 | (1.059) | 1738006 | 120.000 | 110 |
| | 47 Fluorene | 166 | 7.951 | 7.945 | (1.073) | 1780962 | 120.000 | 110 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.951 | 7.945 | (1.073) | 902872 | 120.000 | 120 |
| | 48 4-Nitroaniline | 138 | 7.987 | 7.969 | (1.078) | 326364 | 120.000 | 110 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 8.010 | 7.998 | (0.903) | 237896 | 120.000 | 120(A) |
| | 49 N-Nitrosodiphenylamine | 169 | 8.075 | 8.063 | (0.910) | 1298806 | 120.000 | 130(A) |
| | 75 1,2-Diphenylhydrazine | 77 | 8.110 | 8.098 | (0.914) | 1999592 | 120.000 | 120 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.192 | 8.181 | (1.106) | 218506 | 120.000 | 120 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.434 | 8.422 | (0.951) | 503414 | 120.000 | 120(A) |
| | 51 Hexachlorobenzene | 284 | 8.504 | 8.492 | (0.959) | 481290 | 120.000 | 120(A) |
| | 112 Atrazine | 200 | 8.598 | 8.586 | (0.969) | 284700 | 120.000 | 110 |
| | 14 Pentachlorophenol | 266 | 8.692 | 8.686 | (0.980) | 233590 | 120.000 | 120(A) |
| | 115 n-Octadecane | 57 | 8.769 | 8.763 | (0.989) | 1048327 | 120.000 | 120 |
| * | 83 Phenanthrene-d10 | 188 | 8.869 | 8.869 | (1.000) | 611441 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.898 | 8.892 | (1.003) | 1996374 | 120.000 | 120 |
| | 53 Anthracene | 178 | 8.951 | 8.939 | (1.009) | 1998241 | 120.000 | 120 |
| | 54 Carbazole | 167 | 9.104 | 9.098 | (1.027) | 1460421 | 120.000 | 110 |
| | 55 Di-n-butylphthalate | 149 | 9.445 | 9.439 | (1.065) | 2023426 | 120.000 | 120 |
| | 56 Fluoranthene | 202 | 10.063 | 10.063 | (1.135) | 1520091 | 120.000 | 120 |
| | 58 Benzidine | 184 | 10.192 | 10.186 | (1.149) | 62323 | 120.000 | 36 |
| | 57 Pyrene | 202 | 10.292 | 10.286 | (0.884) | 1440086 | 120.000 | 120 |
| $ | 78 Terphenyl-d14 | 244 | 10.445 | 10.439 | (0.897) | 952090 | 120.000 | 120(A) |
| | 59 Butylbenzylphthalate | 149 | 10.975 | 10.969 | (0.943) | 575535 | 120.000 | 120(A) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.592 | 11.592 | (0.996) | 221150 | 120.000 | 110 |
| | 61 Benzo(a)anthracene | 228 | 11.627 | 11.621 | (0.999) | 935829 | 120.000 | 120(A) |
| * | 81 Chrysene-d12 | 240 | 11.639 | 11.633 | (1.000) | 282115 | 40.0000 | |
| | 62 Chrysene | 228 | 11.674 | 11.669 | (1.003) | 869967 | 120.000 | 120 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.663 | 11.663 | (1.002) | 745248 | 120.000 | 120(A) |
| | 64 Di-n-octylphthalate | 149 | 12.521 | 12.521 | (0.924) | 1050631 | 120.000 | 120(A) |
| | 65 Benzo(b)fluoranthene | 252 | 13.039 | 13.027 | (0.962) | 712939 | 120.000 | 120(A) |
| | 66 Benzo(k)fluoranthene | 252 | 13.074 | 13.068 | (0.964) | 714917 | 120.000 | 120 |
| | 67 Benzo(a)pyrene | 252 | 13.480 | 13.474 | (0.994) | 597899 | 120.000 | 120(A) |
| * | 84 Perylene-d12 | 264 | 13.557 | 13.551 | (1.000) | 189694 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.086 | 15.074 | (1.113) | 564813 | 120.000 | 130(A) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.121 | 15.110 | (1.115) | 566236 | 120.000 | 120(A) |
| | 70 Benzo(g,h,i)perylene | 276 | 15.510 | 15.498 | (1.144) | 570730 | 120.000 | 120(A) |

QC Flag Legend

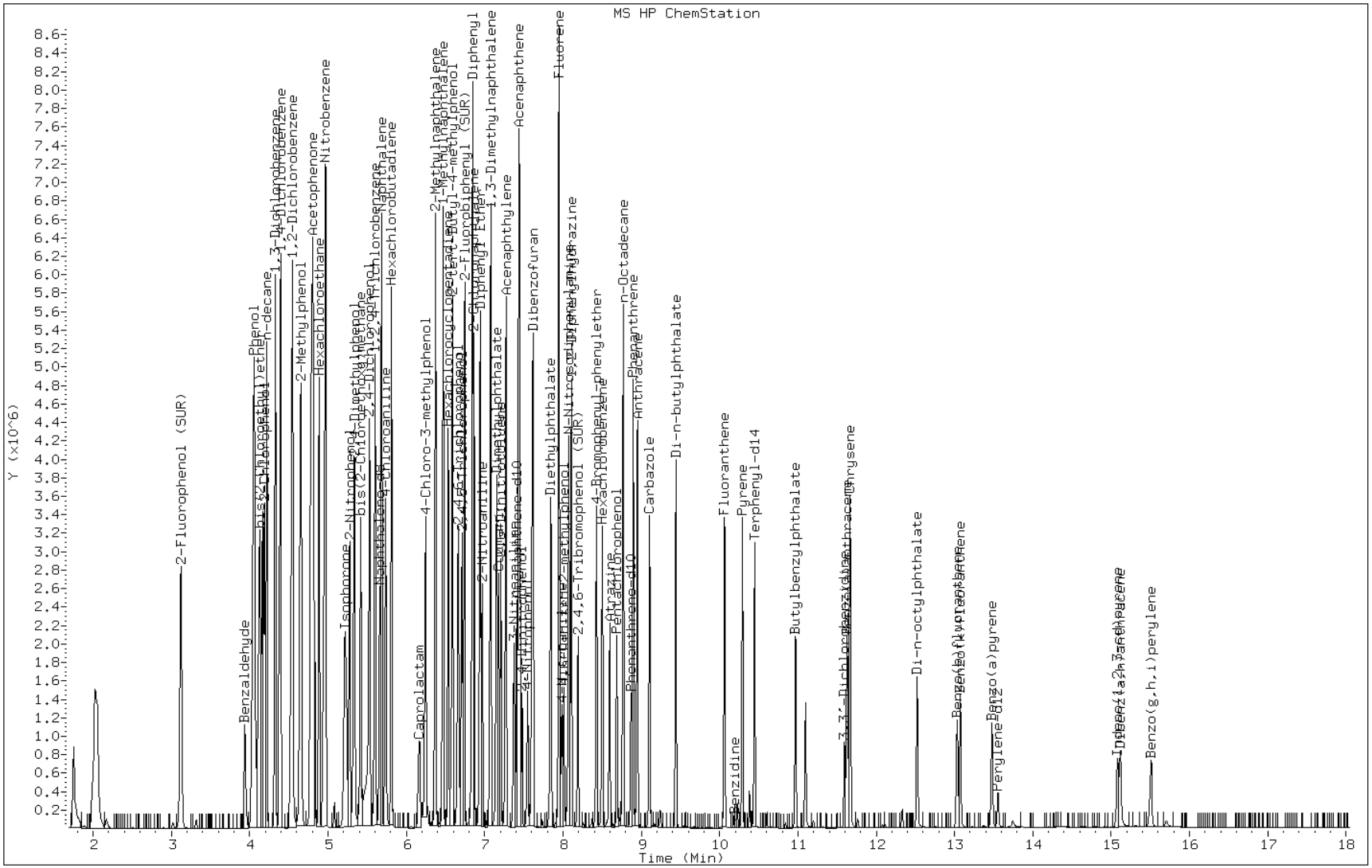
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4011.d

Date: 21-SEP-2009 02:22

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154124 Operator: BNAMS 4



Manual Integration Report

Data File: z4011.d
Inj. Date and Time: 21-SEP-2009 02:22
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/21/2009

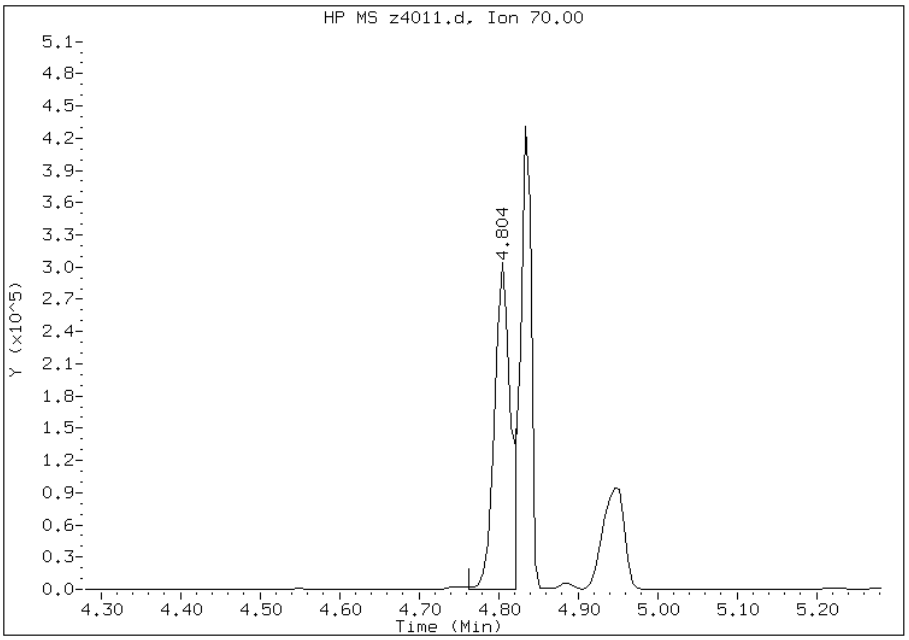
Processing Integration Results

RT: 4.80

Response: 449680

Amount: 101

Conc: 101



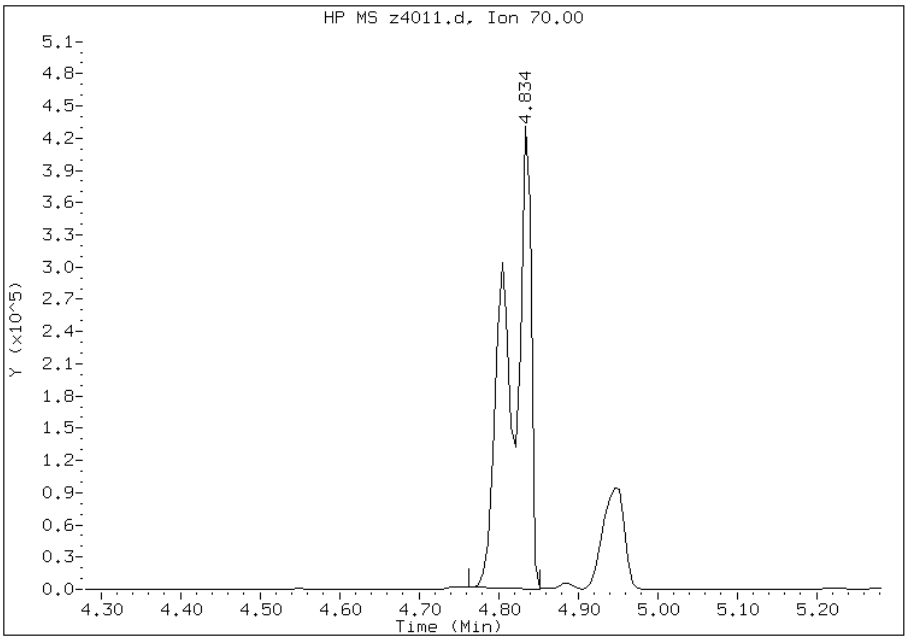

Manual Integration Results

RT: 4.83

Response: 809352

Amount: 120

Conc: 120




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Lab Smp Id: IC-154121
Inj Date : 21-SEP-2009 02:46
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154121
Misc Info : 5 ppmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.934 | 1.928 | (0.443) | 37652 | 5.00000 | 5.2(H) |
| | 71 Pyridine | 79 | 1.969 | 1.957 | (0.451) | 69544 | 5.00000 | 5.4(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 66155 | 5.00000 | 5.6 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 32083 | 5.00000 | 6.0 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.992 | 4.010 | (0.915) | 73205 | 5.00000 | 5.7 |
| | 1 Phenol | 94 | 4.004 | 4.022 | (0.918) | 81553 | 5.00000 | 5.6(H) |
| | 73 Aniline | 93 | 4.028 | 4.040 | (0.923) | 94178 | 5.00000 | 5.6 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.092 | 4.098 | (0.938) | 6439 | 0.50000 | 0.52 |
| | 2 2-Chlorophenol | 128 | 4.151 | 4.163 | (0.951) | 68005 | 5.00000 | 5.5 |
| | 113 n-decane | 43 | 4.204 | 4.210 | (0.964) | 61548 | 5.00000 | 5.8 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 79882 | 5.00000 | 5.4 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 353801 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 80134 | 5.00000 | 5.4 |
| | 74 Benzyl Alcohol | 108 | 4.498 | 4.510 | (1.031) | 37367 | 5.00000 | 5.2(H) |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 76430 | 5.00000 | 5.6 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 | 2-Methylphenol | 108 | 4.616 | 4.628 | (1.058) | 57933 | 5.00000 | 5.8(H) |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.634 | 4.640 | (1.062) | 76310 | 5.00000 | 4.9(a) |
| | 104 | Acetophenone | 105 | 4.763 | 4.775 | (1.092) | 89465 | 5.00000 | 6.0 |
| | 4 | 4-Methylphenol | 108 | 4.769 | 4.781 | (1.093) | 65573 | 5.00000 | 7.3 |
| | 124 | 3 & 4 methylphenol | 108 | 4.769 | 4.781 | (1.093) | 65674 | 5.00000 | 7.3(a) |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.781 | (1.093) | 4292 | 0.50000 | 0.58 |
| | 26 | Hexachloroethane | 117 | 4.875 | 4.881 | (1.117) | 2964 | 0.50000 | 0.53 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.928 | (0.871) | 63355 | 5.00000 | 5.2 |
| | 27 | Nitrobenzene | 77 | 4.934 | 4.951 | (0.874) | 10179 | 0.50000 | 0.60 |
| | 107 | N,N-Dimethylaniline | 120 | 4.939 | 4.951 | (1.132) | 11644 | 0.50000 | 0.62 |
| | 28 | Isophorone | 82 | 5.175 | 5.187 | (0.917) | 111863 | 5.00000 | 5.3 |
| | 5 | 2-Nitrophenol | 139 | 5.257 | 5.263 | (0.931) | 32833 | 5.00000 | 5.1 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.310 | 5.316 | (0.941) | 54968 | 5.00000 | 5.5 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.404 | (0.956) | 69228 | 5.00000 | 5.4 |
| | 15 | Benzoic Acid | 122 | 5.375 | 5.445 | (0.952) | 14297 | 5.00000 | 3.8(aH) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.504 | 5.510 | (0.975) | 47438 | 5.00000 | 5.4 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.586 | 5.592 | (0.990) | 6144 | 0.50000 | 0.55 |
| * | 80 | Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1304352 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.663 | 5.669 | (1.003) | 188531 | 5.00000 | 5.4 |
| | 32 | 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 70216 | 5.00000 | 5.5 |
| | 33 | Hexachlorobutadiene | 225 | 5.798 | 5.804 | (1.027) | 7270 | 1.00000 | 1.1 |
| | 111 | Caprolactam | 113 | 6.045 | 6.104 | (1.071) | 12491 | 5.00000 | 5.0(H) |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.216 | 6.228 | (1.101) | 47490 | 5.00000 | 5.4 |
| | 34 | 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 117443 | 5.00000 | 5.6 |
| | 120 | 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 113011 | 5.00000 | 5.5 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.528 | 6.534 | (0.882) | 27978 | 5.00000 | 4.4(a) |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.575 | (1.164) | 75186 | 5.00000 | 5.5 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.645 | 6.651 | (0.898) | 30074 | 5.00000 | 5.0 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.681 | 6.692 | (0.903) | 30928 | 5.00000 | 5.3 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.734 | (0.909) | 115532 | 5.00000 | 5.3 |
| | 102 | Diphenyl | 154 | 6.828 | 6.834 | (0.923) | 131403 | 5.00000 | 5.4 |
| | 36 | 2-Chloronaphthalene | 162 | 6.845 | 6.851 | (0.925) | 104352 | 5.00000 | 5.3 |
| | 103 | Diphenyl Ether | 170 | 6.933 | 6.939 | (0.937) | 70858 | 5.00000 | 5.2 |
| | 37 | 2-Nitroaniline | 65 | 6.945 | 6.957 | (0.939) | 62516 | 10.0000 | 10 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.069 | (0.955) | 81694 | 5.00000 | 5.2 |
| | 38 | Dimethylphthalate | 163 | 7.128 | 7.139 | (0.963) | 103749 | 5.00000 | 5.4 |
| | 114 | Coumarin | 146 | 7.151 | 7.157 | (0.967) | 32627 | 5.00000 | 5.4 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.186 | 7.198 | (0.971) | 4205 | 1.00000 | 0.99(a) |
| | 39 | Acenaphthylene | 152 | 7.257 | 7.263 | (0.981) | 157776 | 5.00000 | 5.3 |
| | 41 | 3-Nitroaniline | 138 | 7.351 | 7.363 | (0.994) | 46637 | 10.0000 | 11 |
| * | 82 | Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 622000 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 94442 | 5.00000 | 5.5 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.428 | (1.003) | 84500 | 5.00000 | 5.4 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.451 | 7.463 | (1.007) | 18081 | 15.0000 | 11(a) |
| | 12 | 4-Nitrophenol | 65 | 7.528 | 7.534 | (1.017) | 41434 | 15.0000 | 15 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.580 | 7.592 | (1.025) | 5146 | 1.00000 | 1.0 |
| | 43 | Dibenzofuran | 168 | 7.598 | 7.604 | (1.027) | 133333 | 5.00000 | 5.5 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.828 | 7.833 | (1.058) | 94504 | 5.00000 | 5.3 |
| | 47 Fluorene | 166 | 7.939 | 7.945 | (1.073) | 102027 | 5.00000 | 5.5 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.945 | (1.073) | 49575 | 5.00000 | 5.5 |
| | 48 4-Nitroaniline | 138 | 7.951 | 7.969 | (1.075) | 40667 | 10.0000 | 11 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.998 | (0.901) | 26743 | 15.0000 | 12(a) |
| | 49 N-Nitrosodiphenylamine | 169 | 8.051 | 8.063 | (0.908) | 61735 | 5.00000 | 4.9(a) |
| | 75 1,2-Diphenylhydrazine | 77 | 8.092 | 8.098 | (0.913) | 112823 | 5.00000 | 5.2 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.181 | (1.105) | 11041 | 5.00000 | 5.1 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.416 | 8.422 | (0.950) | 25755 | 5.00000 | 5.0 |
| | 51 Hexachlorobenzene | 284 | 8.486 | 8.492 | (0.958) | 2525 | 0.50000 | 0.50 |
| | 112 Atrazine | 200 | 8.575 | 8.586 | (0.967) | 20040 | 5.00000 | 5.6 |
| | 14 Pentachlorophenol | 266 | 8.680 | 8.686 | (0.979) | 27733 | 15.0000 | 13(a) |
| | 115 n-Octadecane | 57 | 8.757 | 8.763 | (0.988) | 59069 | 5.00000 | 5.2 |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 776359 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.886 | 8.892 | (1.003) | 117592 | 5.00000 | 5.3 |
| | 53 Anthracene | 178 | 8.933 | 8.939 | (1.008) | 118608 | 5.00000 | 5.3 |
| | 54 Carbazole | 167 | 9.092 | 9.098 | (1.026) | 94215 | 5.00000 | 5.5 |
| | 55 Di-n-butylphthalate | 149 | 9.433 | 9.439 | (1.064) | 113002 | 5.00000 | 5.1 |
| | 56 Fluoranthene | 202 | 10.051 | 10.063 | (1.134) | 92223 | 5.00000 | 5.3 |
| | 58 Benzidine | 184 | 10.180 | 10.186 | (1.149) | 8462 | 5.00000 | 4.3(a) |
| | 57 Pyrene | 202 | 10.280 | 10.286 | (0.884) | 91826 | 5.00000 | 5.2 |
| $ | 78 Terphenyl-d14 | 244 | 10.433 | 10.439 | (0.897) | 57956 | 5.00000 | 5.2 |
| | 59 Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.943) | 29442 | 5.00000 | 4.6(a) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 28797 | 10.0000 | 10 |
| | 61 Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.999) | 6243 | 0.50000 | 0.55 |
| * | 81 Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 394294 | 40.0000 | |
| | 62 Chrysene | 228 | 11.657 | 11.669 | (1.003) | 54659 | 5.00000 | 5.2 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.003) | 38681 | 5.00000 | 4.7(a) |
| | 64 Di-n-octylphthalate | 149 | 12.515 | 12.521 | (0.924) | 37779 | 5.00000 | 4.0(a) |
| | 65 Benzo(b)fluoranthene | 252 | 13.021 | 13.027 | (0.961) | 2855 | 0.50000 | 0.43(a) |
| | 66 Benzo(k)fluoranthene | 252 | 13.057 | 13.068 | (0.964) | 2827 | 0.50000 | 0.41(a) |
| | 67 Benzo(a)pyrene | 252 | 13.462 | 13.474 | (0.994) | 2237 | 0.50000 | 0.40(a) |
| * | 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 234336 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.068 | 15.074 | (1.112) | 2522 | 0.50000 | 0.47(aM) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.109 | 15.110 | (1.115) | 2064 | 0.50000 | 0.40(aM) |
| | 70 Benzo(g,h,i)perylene | 276 | 15.480 | 15.498 | (1.143) | 22776 | 5.00000 | 4.3(a) |

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4012.d

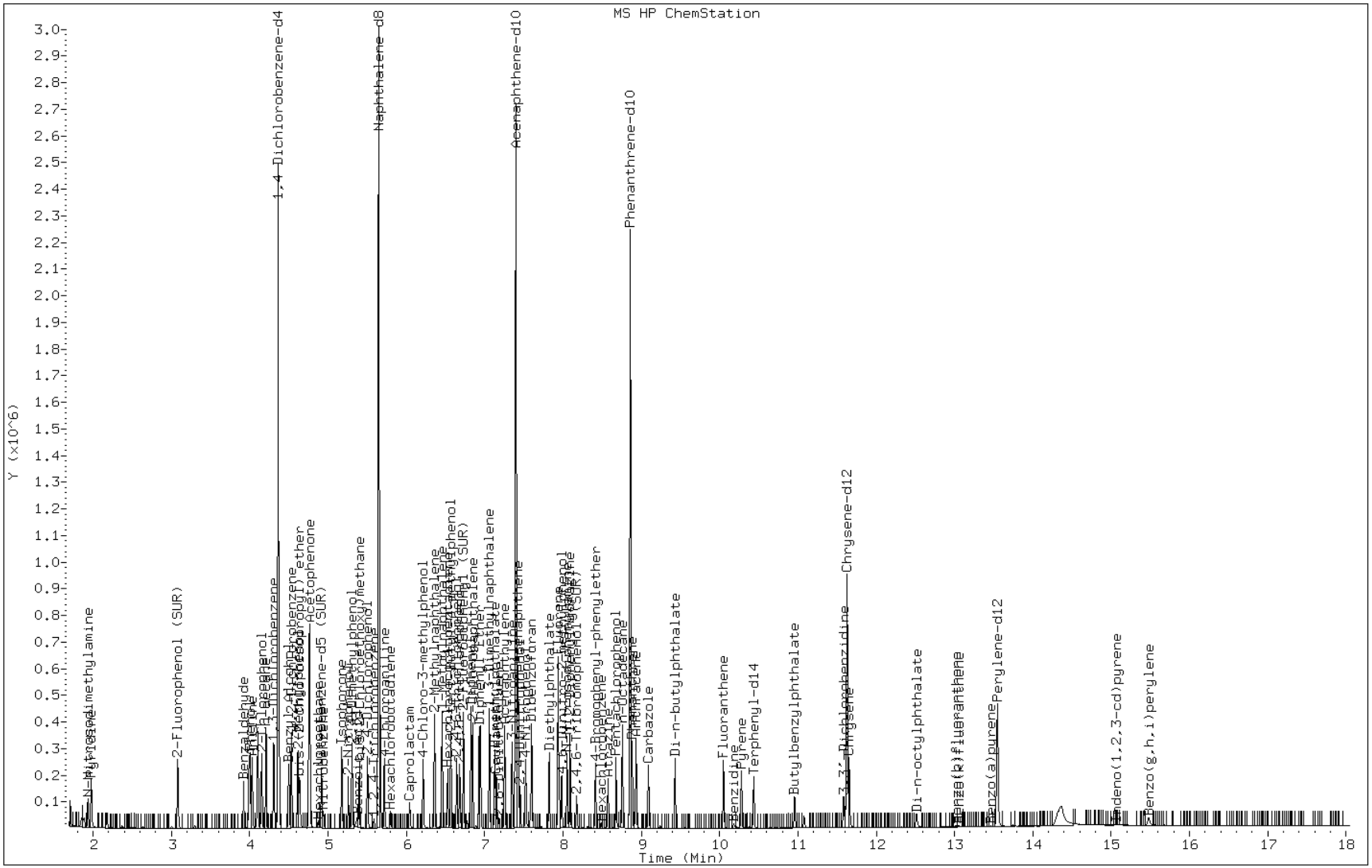
Date: 21-SEP-2009 02:46

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-154121

Operator: BNAMS 4



# Manual Integration Report

Data File: z4012.d
Inj. Date and Time: 21-SEP-2009 02:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 09/21/2009

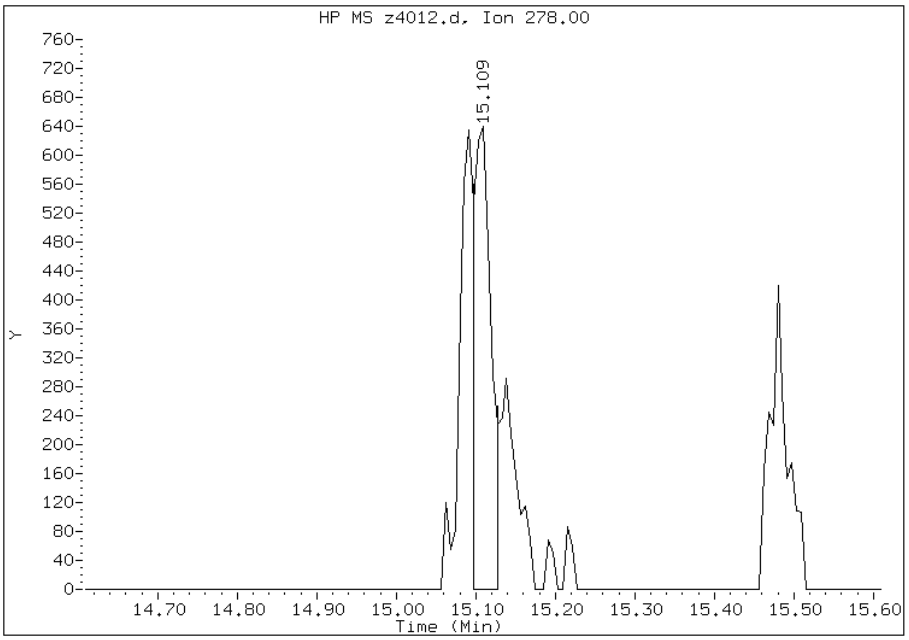
## Processing Integration Results

RT: 15.11

Response: 986

Amount: 0

Conc: 0



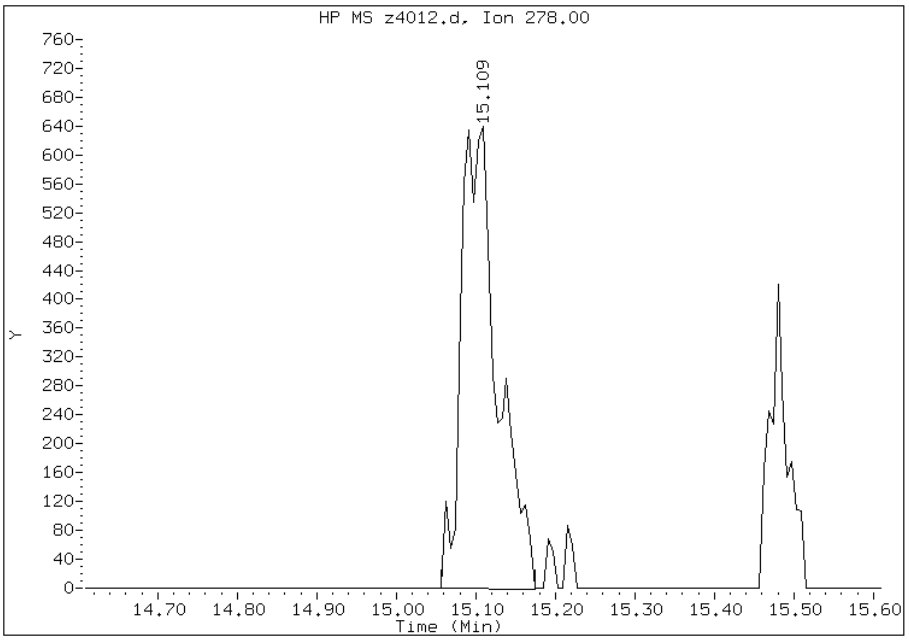

## Manual Integration Results

RT: 15.11

Response: 2064

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z4012.d
Inj. Date and Time: 21-SEP-2009 02:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

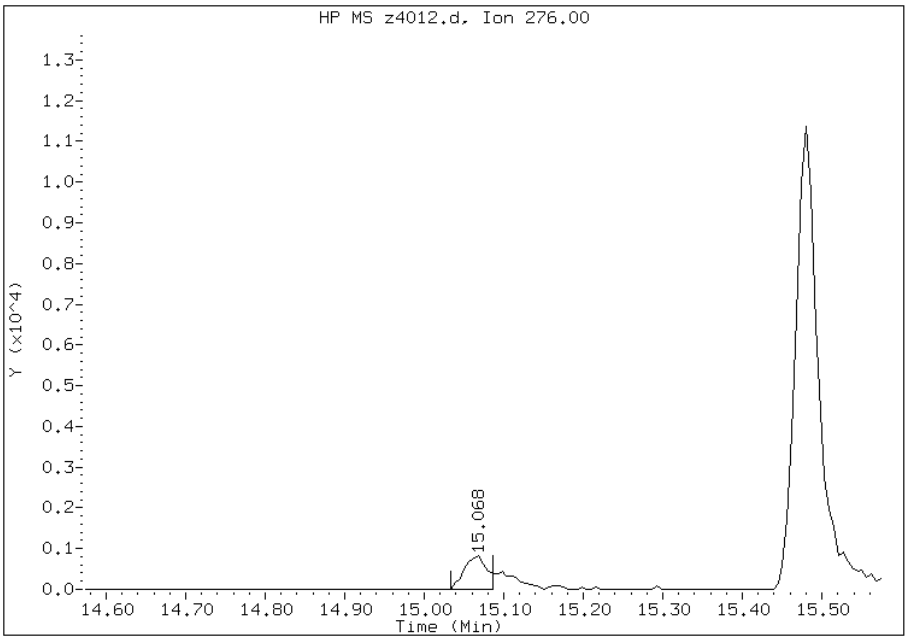
Processing Integration Results

RT: 15.07

Response: 1649

Amount: 0

Conc: 0



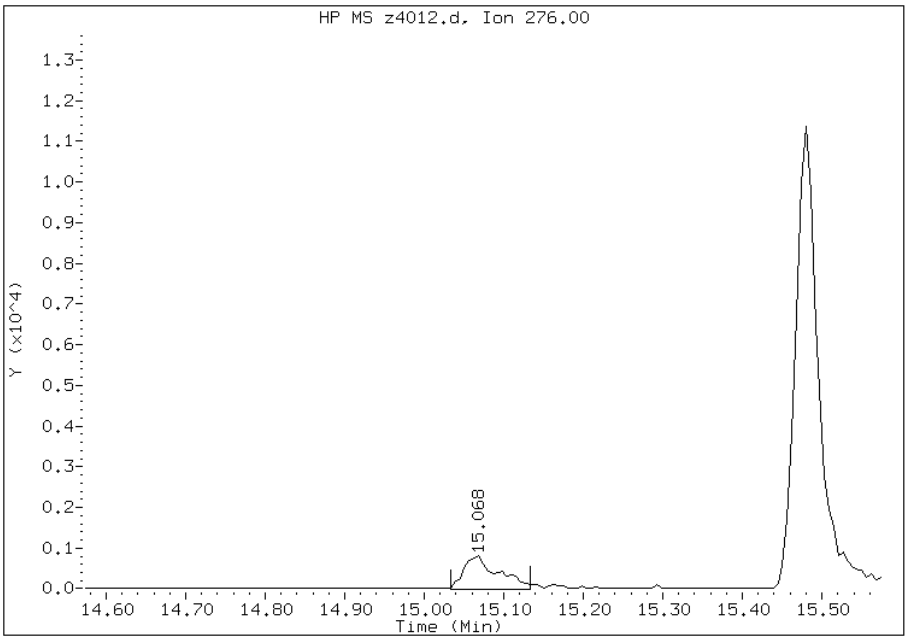

Manual Integration Results

RT: 15.07

Response: 2522

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Lab Smp Id: IC-154123
Inj Date : 21-SEP-2009 03:10
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154123
Misc Info : 80 ppmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.957 | 1.928 | (0.448) | 546145 | 80.0000 | 79 |
| | 71 Pyridine | 79 | 1.987 | 1.957 | (0.455) | 948960 | 80.0000 | 77 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.098 | 3.081 | (0.709) | 862452 | 80.0000 | 76 |
| | 110 Benzaldehyde | 77 | 3.934 | 3.922 | (0.900) | 328188 | 80.0000 | 67 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.028 | 4.010 | (0.922) | 937685 | 80.0000 | 77 |
| | 1 Phenol | 94 | 4.040 | 4.022 | (0.925) | 1040377 | 80.0000 | 76 |
| | 73 Aniline | 93 | 4.051 | 4.040 | (0.927) | 1198721 | 80.0000 | 76 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.116 | 4.098 | (0.942) | 904415 | 80.0000 | 77 |
| | 2 2-Chlorophenol | 128 | 4.175 | 4.163 | (0.956) | 915115 | 80.0000 | 78 |
| | 113 n-decane | 43 | 4.216 | 4.210 | (0.965) | 706245 | 80.0000 | 72 |
| | 21 1,3-Dichlorobenzene | 146 | 4.322 | 4.310 | (0.989) | 1081836 | 80.0000 | 77 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.369 | (1.000) | 339720 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.393 | 4.381 | (1.005) | 1075906 | 80.0000 | 77 |
| | 74 Benzyl Alcohol | 108 | 4.522 | 4.510 | (1.035) | 548858 | 80.0000 | 80 |
| | 23 1,2-Dichlorobenzene | 146 | 4.545 | 4.540 | (1.040) | 992064 | 80.0000 | 76 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 2-Methylphenol | 108 | 4.640 | 4.628 | (1.062) | 723736 | 80.0000 | 76 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.645 | 4.640 | (1.063) | 826670 | 80.0000 | 78 |
| | 104 Acetophenone | 105 | 4.787 | 4.775 | (1.096) | 1015692 | 80.0000 | 73 |
| | 4 4-Methylphenol | 108 | 4.798 | 4.781 | (1.098) | 696890 | 80.0000 | 81 |
| | 124 3 & 4 methylphenol | 108 | 4.798 | 4.781 | (1.098) | 696890 | 80.0000 | 81 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.792 | 4.781 | (1.097) | 521846 | 80.0000 | 75(M) |
| | 26 Hexachloroethane | 117 | 4.881 | 4.881 | (1.117) | 414316 | 80.0000 | 78 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.934 | 4.928 | (0.873) | 873681 | 80.0000 | 79 |
| | 27 Nitrobenzene | 77 | 4.963 | 4.951 | (0.878) | 1130187 | 80.0000 | 74 |
| | 107 N,N-Dimethylaniline | 120 | 4.963 | 4.951 | (1.136) | 1267606 | 80.0000 | 72 |
| | 28 Isophorone | 82 | 5.198 | 5.187 | (0.920) | 1527490 | 80.0000 | 79 |
| | 5 2-Nitrophenol | 139 | 5.269 | 5.263 | (0.932) | 475308 | 80.0000 | 80 |
| | 6 2,4-Dimethylphenol | 122 | 5.328 | 5.316 | (0.943) | 711303 | 80.0000 | 78 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.410 | 5.404 | (0.957) | 908378 | 80.0000 | 77 |
| | 15 Benzoic Acid | 122 | 5.487 | 5.445 | (0.971) | 255656 | 80.0000 | 76(H) |
| | 7 2,4-Dichlorophenol | 162 | 5.522 | 5.510 | (0.977) | 629036 | 80.0000 | 78 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.598 | 5.592 | (0.991) | 770590 | 80.0000 | 76 |
| * | 80 Naphthalene-d8 | 136 | 5.651 | 5.651 | (1.000) | 1202623 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.675 | 5.669 | (1.004) | 2418938 | 80.0000 | 76 |
| | 32 4-Chloroaniline | 127 | 5.734 | 5.728 | (1.015) | 902218 | 80.0000 | 77 |
| | 33 Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.027) | 461034 | 80.0000 | 76 |
| | 111 Caprolactam | 113 | 6.139 | 6.104 | (1.086) | 192605 | 80.0000 | 83(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 6.234 | 6.228 | (1.103) | 650810 | 80.0000 | 80 |
| | 34 2-Methylnaphthalene | 142 | 6.369 | 6.363 | (1.127) | 1465874 | 80.0000 | 77 |
| | 120 1-Methylnaphthalene | 142 | 6.469 | 6.463 | (1.145) | 1408330 | 80.0000 | 76 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 468211 | 80.0000 | 81 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.581 | 6.575 | (1.164) | 955907 | 80.0000 | 77 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.657 | 6.651 | (0.899) | 412655 | 80.0000 | 78 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.698 | 6.692 | (0.905) | 399068 | 80.0000 | 77 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.739 | 6.734 | (0.910) | 1475672 | 80.0000 | 76 |
| | 102 Diphenyl | 154 | 6.839 | 6.834 | (0.924) | 1658915 | 80.0000 | 76 |
| | 36 2-Chloronaphthalene | 162 | 6.857 | 6.851 | (0.926) | 1319610 | 80.0000 | 76 |
| | 103 Diphenyl Ether | 170 | 6.939 | 6.939 | (0.937) | 922091 | 80.0000 | 77 |
| | 37 2-Nitroaniline | 65 | 6.963 | 6.957 | (0.940) | 376556 | 80.0000 | 73(H) |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.075 | 7.069 | (0.956) | 1059390 | 80.0000 | 77 |
| | 38 Dimethylphthalate | 163 | 7.145 | 7.139 | (0.965) | 1294306 | 80.0000 | 76 |
| | 114 Coumarin | 146 | 7.169 | 7.157 | (0.968) | 396764 | 80.0000 | 75 |
| | 40 2,6-Dinitrotoluene | 165 | 7.204 | 7.198 | (0.973) | 303961 | 80.0000 | 80 |
| | 39 Acenaphthylene | 152 | 7.269 | 7.263 | (0.982) | 2008252 | 80.0000 | 77 |
| | 41 3-Nitroaniline | 138 | 7.369 | 7.363 | (0.995) | 286762 | 80.0000 | 76 |
| * | 82 Acenaphthene-d10 | 164 | 7.404 | 7.404 | (1.000) | 557514 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.439 | 7.439 | (1.005) | 1144433 | 80.0000 | 76 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.428 | 7.428 | (1.003) | 1079099 | 80.0000 | 77 |
| | 11 2,4-Dinitrophenol | 184 | 7.469 | 7.463 | (1.009) | 140182 | 80.0000 | 82 |
| | 12 4-Nitrophenol | 65 | 7.539 | 7.534 | (1.018) | 190379 | 80.0000 | 79 |
| | 44 2,4-Dinitrotoluene | 165 | 7.598 | 7.592 | (1.026) | 345847 | 80.0000 | 78 |
| | 43 Dibenzofuran | 168 | 7.610 | 7.604 | (1.028) | 1632324 | 80.0000 | 76 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| 45 | Diethylphthalate | 149 | 7.839 | 7.833 | (1.059) | 1215774 | 80.0000 | 77 |
| 47 | Fluorene | 166 | 7.945 | 7.945 | (1.073) | 1245455 | 80.0000 | 76 |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.945 | 7.945 | (1.073) | 613287 | 80.0000 | 76 |
| 48 | 4-Nitroaniline | 138 | 7.975 | 7.969 | (1.077) | 232402 | 80.0000 | 73 |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.004 | 7.998 | (0.903) | 159949 | 80.0000 | 86 |
| 49 | N-Nitrosodiphenylamine | 169 | 8.063 | 8.063 | (0.910) | 760326 | 80.0000 | 75 |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.104 | 8.098 | (0.914) | 1424226 | 80.0000 | 80 |
| $ 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.186 | 8.181 | (1.106) | 148738 | 80.0000 | 78 |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.428 | 8.422 | (0.951) | 340944 | 80.0000 | 80 |
| 51 | Hexachlorobenzene | 284 | 8.498 | 8.492 | (0.959) | 325935 | 80.0000 | 80 |
| 112 | Atrazine | 200 | 8.592 | 8.586 | (0.969) | 218972 | 80.0000 | 76 |
| 14 | Pentachlorophenol | 266 | 8.686 | 8.686 | (0.980) | 158623 | 80.0000 | 86 |
| 115 | n-Octadecane | 57 | 8.763 | 8.763 | (0.989) | 725711 | 80.0000 | 78 |
| * 83 | Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 636584 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.892 | 8.892 | (1.003) | 1403274 | 80.0000 | 78 |
| 53 | Anthracene | 178 | 8.939 | 8.939 | (1.009) | 1428255 | 80.0000 | 78 |
| 54 | Carbazole | 167 | 9.098 | 9.098 | (1.027) | 1058881 | 80.0000 | 76 |
| 55 | Di-n-butylphthalate | 149 | 9.439 | 9.439 | (1.065) | 1445957 | 80.0000 | 79 |
| 56 | Fluoranthene | 202 | 10.057 | 10.063 | (1.135) | 1088818 | 80.0000 | 77 |
| 58 | Benzidine | 184 | 10.186 | 10.186 | (1.149) | 52976 | 80.0000 | 41 |
| 57 | Pyrene | 202 | 10.286 | 10.286 | (0.884) | 1052652 | 80.0000 | 77 |
| $ 78 | Terphenyl-d14 | 244 | 10.439 | 10.439 | (0.897) | 680843 | 80.0000 | 78 |
| 59 | Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.942) | 424579 | 80.0000 | 83 |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 168157 | 80.0000 | 76 |
| 61 | Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.998) | 686318 | 80.0000 | 77 |
| * 81 | Chrysene-d12 | 240 | 11.633 | 11.633 | (1.000) | 312350 | 40.0000 | |
| 62 | Chrysene | 228 | 11.663 | 11.669 | (1.003) | 641593 | 80.0000 | 78 |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.002) | 544062 | 80.0000 | 82 |
| 64 | Di-n-octylphthalate | 149 | 12.516 | 12.521 | (0.924) | 750884 | 80.0000 | 85 |
| 65 | Benzo(b)fluoranthene | 252 | 13.027 | 13.027 | (0.961) | 498741 | 80.0000 | 82 |
| 66 | Benzo(k)fluoranthene | 252 | 13.068 | 13.068 | (0.964) | 557859 | 80.0000 | 86 |
| 67 | Benzo(a)pyrene | 252 | 13.474 | 13.474 | (0.994) | 441215 | 80.0000 | 85 |
| * 84 | Perylene-d12 | 264 | 13.551 | 13.551 | (1.000) | 213618 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.074 | 15.074 | (1.112) | 409590 | 80.0000 | 83 |
| 69 | Dibenz(a,h)anthracene | 278 | 15.109 | 15.110 | (1.115) | 399058 | 80.0000 | 84 |
| 70 | Benzo(g,h,i)perylene | 276 | 15.498 | 15.498 | (1.144) | 400975 | 80.0000 | 82 |

QC Flag Legend

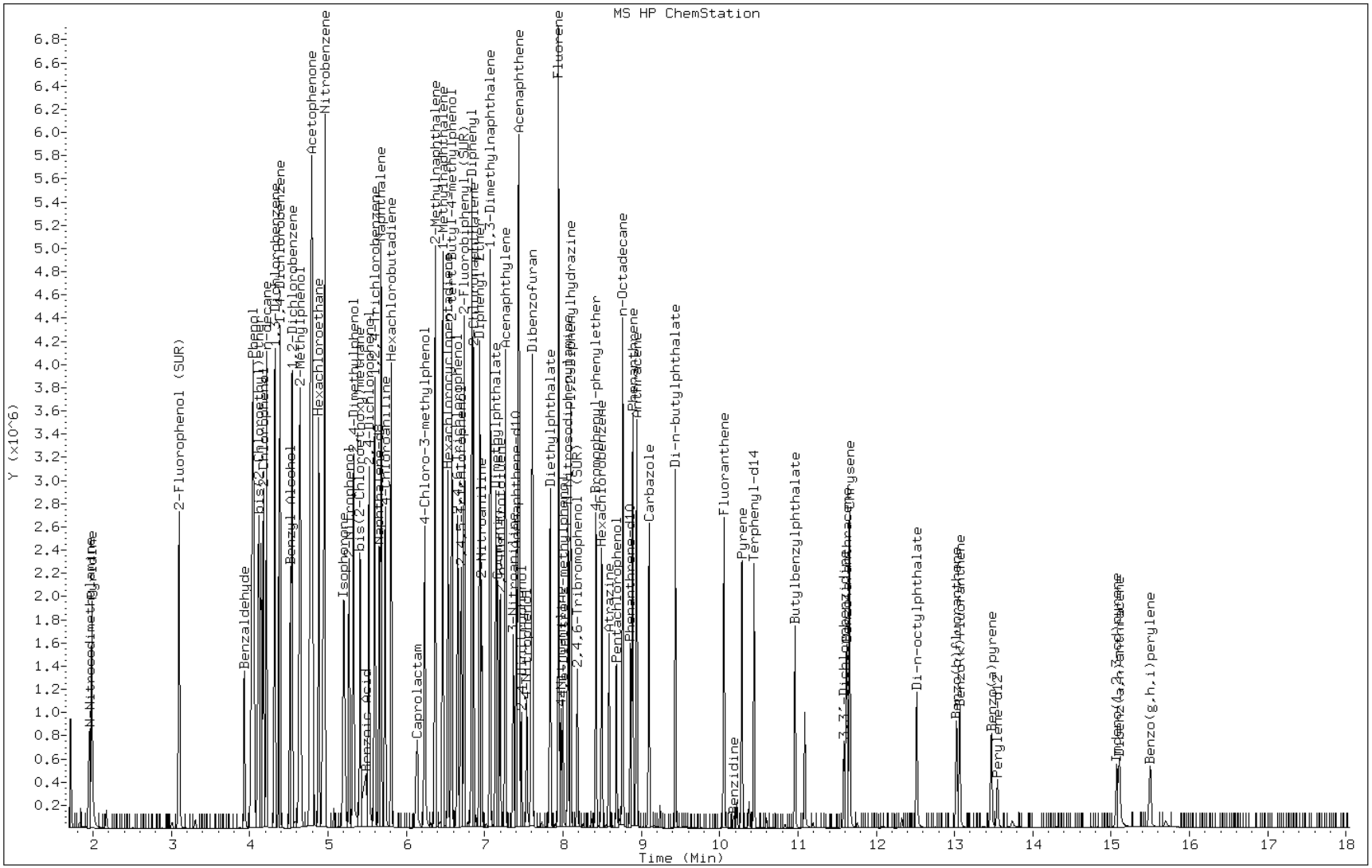
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4013.d

Date: 21-SEP-2009 03:10

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154123 Operator: BNAMS 4



# Manual Integration Report

Data File: z4013.d
Inj. Date and Time: 21-SEP-2009 03:10
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/21/2009

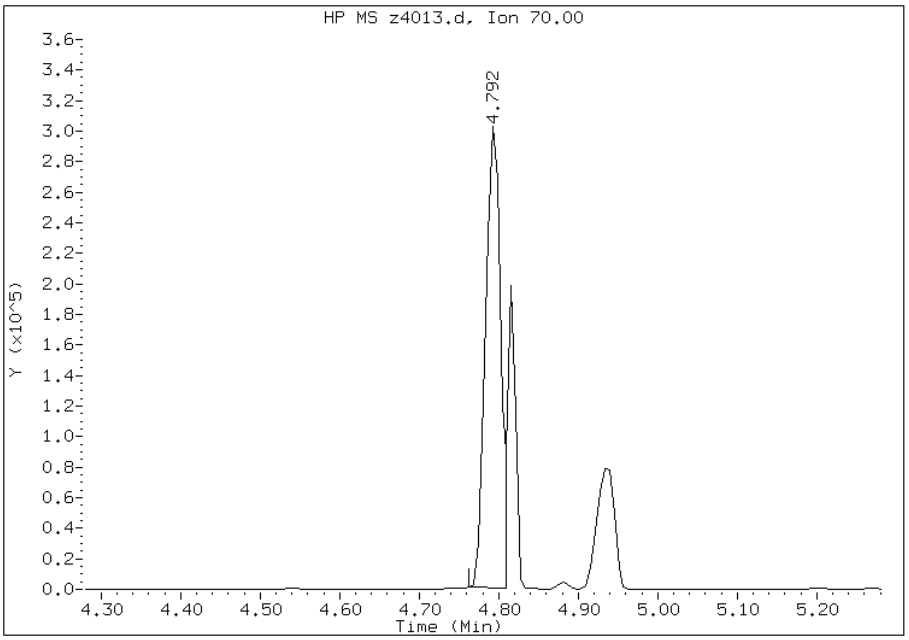
## Processing Integration Results

RT: 4.79

Response: 410721

Amount: 67

Conc: 67



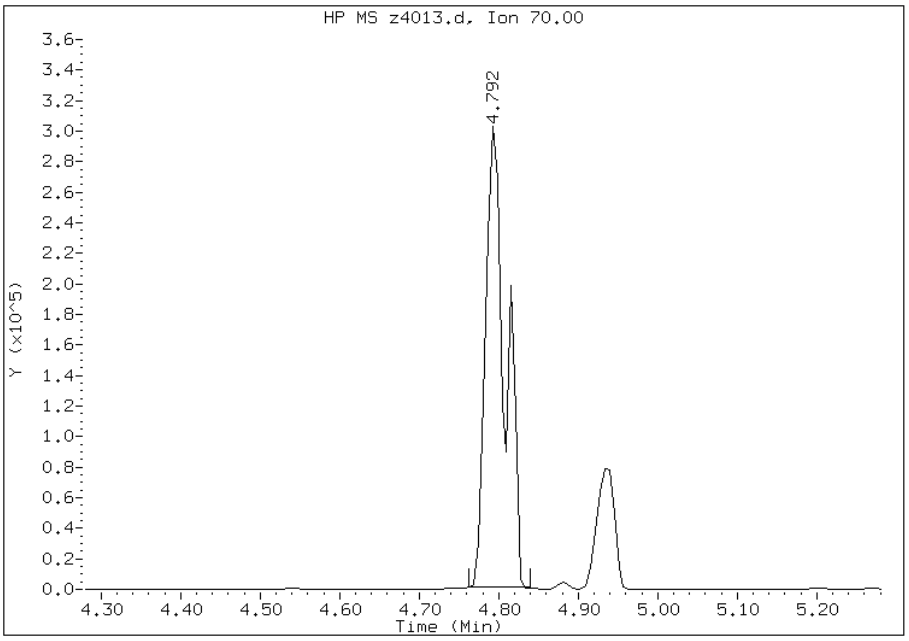

## Manual Integration Results

RT: 4.79

Response: 521846

Amount: 75

Conc: 75




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Lab Smp Id: IC-154122
Inj Date : 21-SEP-2009 03:34
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154122
Misc Info : 20 ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 07:05 asfawa Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.922 | 1.922 | (0.441) | 118921 | 20.0000 | 20(H) |
| | 71 Pyridine | 79 | 1.957 | 1.957 | (0.449) | 217697 | 20.0000 | 20 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 205419 | 20.0000 | 21 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 116727 | 20.0000 | 26 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.998 | 3.998 | (0.916) | 222156 | 20.0000 | 21 |
| | 1 Phenol | 94 | 4.010 | 4.010 | (0.919) | 252999 | 20.0000 | 21(H) |
| | 73 Aniline | 93 | 4.034 | 4.034 | (0.924) | 308283 | 20.0000 | 22 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.093 | 4.093 | (0.938) | 204476 | 20.0000 | 20 |
| | 2 2-Chlorophenol | 128 | 4.157 | 4.157 | (0.953) | 218026 | 20.0000 | 21 |
| | 113 n-decane | 43 | 4.210 | 4.210 | (0.965) | 194859 | 20.0000 | 22 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 250818 | 20.0000 | 20 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.363 | (1.000) | 293110 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 250403 | 20.0000 | 20 |
| | 74 Benzyl Alcohol | 108 | 4.498 | 4.498 | (1.031) | 120603 | 20.0000 | 20 |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.534 | (1.039) | 235149 | 20.0000 | 21 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 2-Methylphenol | 108 | 4.616 | 4.616 | (1.058) | 176472 | 20.0000 | 21 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.640 | 4.640 | (1.063) | 230806 | 20.0000 | 20 |
| | 104 Acetophenone | 105 | 4.769 | 4.769 | (1.093) | 263818 | 20.0000 | 22 |
| | 4 4-Methylphenol | 108 | 4.769 | 4.769 | (1.093) | 187111 | 20.0000 | 25 |
| | 124 3 & 4 methylphenol | 108 | 4.769 | 4.769 | (1.093) | 187111 | 20.0000 | 25 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.769 | (1.093) | 125855 | 20.0000 | 21 |
| | 26 Hexachloroethane | 117 | 4.875 | 4.875 | (1.117) | 98410 | 20.0000 | 21 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.916 | (0.871) | 209949 | 20.0000 | 21 |
| | 27 Nitrobenzene | 77 | 4.940 | 4.940 | (0.875) | 289954 | 20.0000 | 21(H) |
| | 107 N,N-Dimethylaniline | 120 | 4.945 | 4.945 | (1.133) | 313152 | 20.0000 | 21 |
| | 28 Isophorone | 82 | 5.181 | 5.181 | (0.918) | 349801 | 20.0000 | 20 |
| | 5 2-Nitrophenol | 139 | 5.263 | 5.263 | (0.932) | 108343 | 20.0000 | 21 |
| | 6 2,4-Dimethylphenol | 122 | 5.310 | 5.310 | (0.941) | 167543 | 20.0000 | 21 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.398 | (0.956) | 212265 | 20.0000 | 20 |
| | 15 Benzoic Acid | 122 | 5.410 | 5.410 | (0.958) | 77050 | 20.0000 | 25(H) |
| | 7 2,4-Dichlorophenol | 162 | 5.504 | 5.504 | (0.975) | 150573 | 20.0000 | 21 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.593 | 5.593 | (0.991) | 180194 | 20.0000 | 20 |
| * | 80 Naphthalene-d8 | 136 | 5.645 | 5.645 | (1.000) | 1048427 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.669 | 5.669 | (1.004) | 577069 | 20.0000 | 21 |
| | 32 4-Chloroaniline | 127 | 5.722 | 5.722 | (1.014) | 221200 | 20.0000 | 21 |
| | 33 Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.028) | 108420 | 20.0000 | 20 |
| | 111 Caprolactam | 113 | 6.069 | 6.069 | (1.075) | 43052 | 20.0000 | 21(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 6.216 | 6.216 | (1.101) | 148876 | 20.0000 | 21 |
| | 34 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 350367 | 20.0000 | 21 |
| | 120 1-Methylnaphthalene | 142 | 6.463 | 6.463 | (1.145) | 344397 | 20.0000 | 21 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.528 | 6.528 | (0.882) | 99098 | 20.0000 | 19 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.569 | (1.164) | 236269 | 20.0000 | 21 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.645 | 6.645 | (0.898) | 93701 | 20.0000 | 20 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.687 | 6.687 | (0.904) | 97145 | 20.0000 | 21 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.728 | (0.909) | 363797 | 20.0000 | 21 |
| | 102 Diphenyl | 154 | 6.828 | 6.828 | (0.923) | 403470 | 20.0000 | 21 |
| | 36 2-Chloronaphthalene | 162 | 6.845 | 6.845 | (0.925) | 320012 | 20.0000 | 21 |
| | 103 Diphenyl Ether | 170 | 6.934 | 6.934 | (0.937) | 218358 | 20.0000 | 20 |
| | 37 2-Nitroaniline | 65 | 6.951 | 6.951 | (0.940) | 108902 | 20.0000 | 23 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.063 | (0.955) | 259240 | 20.0000 | 21 |
| | 38 Dimethylphthalate | 163 | 7.134 | 7.134 | (0.964) | 310663 | 20.0000 | 20 |
| | 114 Coumarin | 146 | 7.151 | 7.151 | (0.967) | 99541 | 20.0000 | 21 |
| | 40 2,6-Dinitrotoluene | 165 | 7.187 | 7.187 | (0.971) | 70155 | 20.0000 | 21 |
| | 39 Acenaphthylene | 152 | 7.257 | 7.257 | (0.981) | 481273 | 20.0000 | 20 |
| | 41 3-Nitroaniline | 138 | 7.357 | 7.357 | (0.994) | 72023 | 20.0000 | 21 |
| * | 82 Acenaphthene-d10 | 164 | 7.398 | 7.398 | (1.000) | 496353 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.434 | 7.434 | (1.005) | 277900 | 20.0000 | 20 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.422 | (1.003) | 265457 | 20.0000 | 21 |
| | 11 2,4-Dinitrophenol | 184 | 7.457 | 7.457 | (1.008) | 36838 | 30.0000 | 27 |
| | 12 4-Nitrophenol | 65 | 7.528 | 7.528 | (1.017) | 65458 | 30.0000 | 30 |
| | 44 2,4-Dinitrotoluene | 165 | 7.586 | 7.586 | (1.025) | 85789 | 20.0000 | 21 |
| | 43 Dibenzofuran | 168 | 7.598 | 7.598 | (1.027) | 408096 | 20.0000 | 21 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.828 | 7.828 | (1.058) | 293202 | 20.0000 | 21 |
| | 47 Fluorene | 166 | 7.939 | 7.939 | (1.073) | 307220 | 20.0000 | 21 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.939 | (1.073) | 145086 | 20.0000 | 20 |
| | 48 4-Nitroaniline | 138 | 7.957 | 7.957 | (1.076) | 63960 | 20.0000 | 22 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.986 | (0.901) | 50497 | 30.0000 | 28 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.057 | 8.057 | (0.909) | 186839 | 20.0000 | 19 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.092 | 8.092 | (0.913) | 352771 | 20.0000 | 20 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.175 | (1.105) | 33294 | 20.0000 | 20 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.416 | 8.416 | (0.950) | 79392 | 20.0000 | 19 |
| | 51 Hexachlorobenzene | 284 | 8.486 | 8.486 | (0.958) | 76751 | 20.0000 | 20 |
| | 112 Atrazine | 200 | 8.581 | 8.581 | (0.968) | 59524 | 20.0000 | 21 |
| | 14 Pentachlorophenol | 266 | 8.681 | 8.681 | (0.979) | 48638 | 30.0000 | 28 |
| | 115 n-Octadecane | 57 | 8.757 | 8.757 | (0.988) | 193665 | 20.0000 | 21 |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.863 | (1.000) | 615526 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.886 | 8.886 | (1.003) | 358788 | 20.0000 | 20 |
| | 53 Anthracene | 178 | 8.933 | 8.933 | (1.008) | 367189 | 20.0000 | 21 |
| | 54 Carbazole | 167 | 9.092 | 9.092 | (1.026) | 286783 | 20.0000 | 21 |
| | 55 Di-n-butylphthalate | 149 | 9.433 | 9.433 | (1.064) | 370982 | 20.0000 | 21 |
| | 56 Fluoranthene | 202 | 10.051 | 10.051 | (1.134) | 290652 | 20.0000 | 21 |
| | 58 Benzidine | 184 | 10.180 | 10.180 | (1.149) | 92056 | 30.0000 | 54 |
| | 57 Pyrene | 202 | 10.280 | 10.280 | (0.884) | 288537 | 20.0000 | 21 |
| $ | 78 Terphenyl-d14 | 244 | 10.433 | 10.433 | (0.897) | 188644 | 20.0000 | 21 |
| | 59 Butylbenzylphthalate | 149 | 10.957 | 10.957 | (0.942) | 104852 | 20.0000 | 20 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.586 | (0.996) | 70496 | 30.0000 | 32 |
| | 61 Benzo(a)anthracene | 228 | 11.616 | 11.616 | (0.999) | 170433 | 20.0000 | 19 |
| * | 81 Chrysene-d12 | 240 | 11.627 | 11.627 | (1.000) | 308090 | 40.0000 | |
| | 62 Chrysene | 228 | 11.657 | 11.657 | (1.003) | 162388 | 20.0000 | 20 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.657 | (1.003) | 131488 | 20.0000 | 20 |
| | 64 Di-n-octylphthalate | 149 | 12.510 | 12.510 | (0.924) | 151266 | 20.0000 | 20 |
| | 65 Benzo(b)fluoranthene | 252 | 13.021 | 13.021 | (0.961) | 109119 | 20.0000 | 20 |
| | 66 Benzo(k)fluoranthene | 252 | 13.057 | 13.057 | (0.964) | 125296 | 20.0000 | 22 |
| | 67 Benzo(a)pyrene | 252 | 13.463 | 13.463 | (0.994) | 90516 | 20.0000 | 20 |
| * | 84 Perylene-d12 | 264 | 13.545 | 13.545 | (1.000) | 186425 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.062 | 15.062 | (1.112) | 79518 | 20.0000 | 19(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.098 | 15.098 | (1.115) | 77505 | 20.0000 | 19 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.480 | 15.480 | (1.143) | 81560 | 20.0000 | 19 |

QC Flag Legend

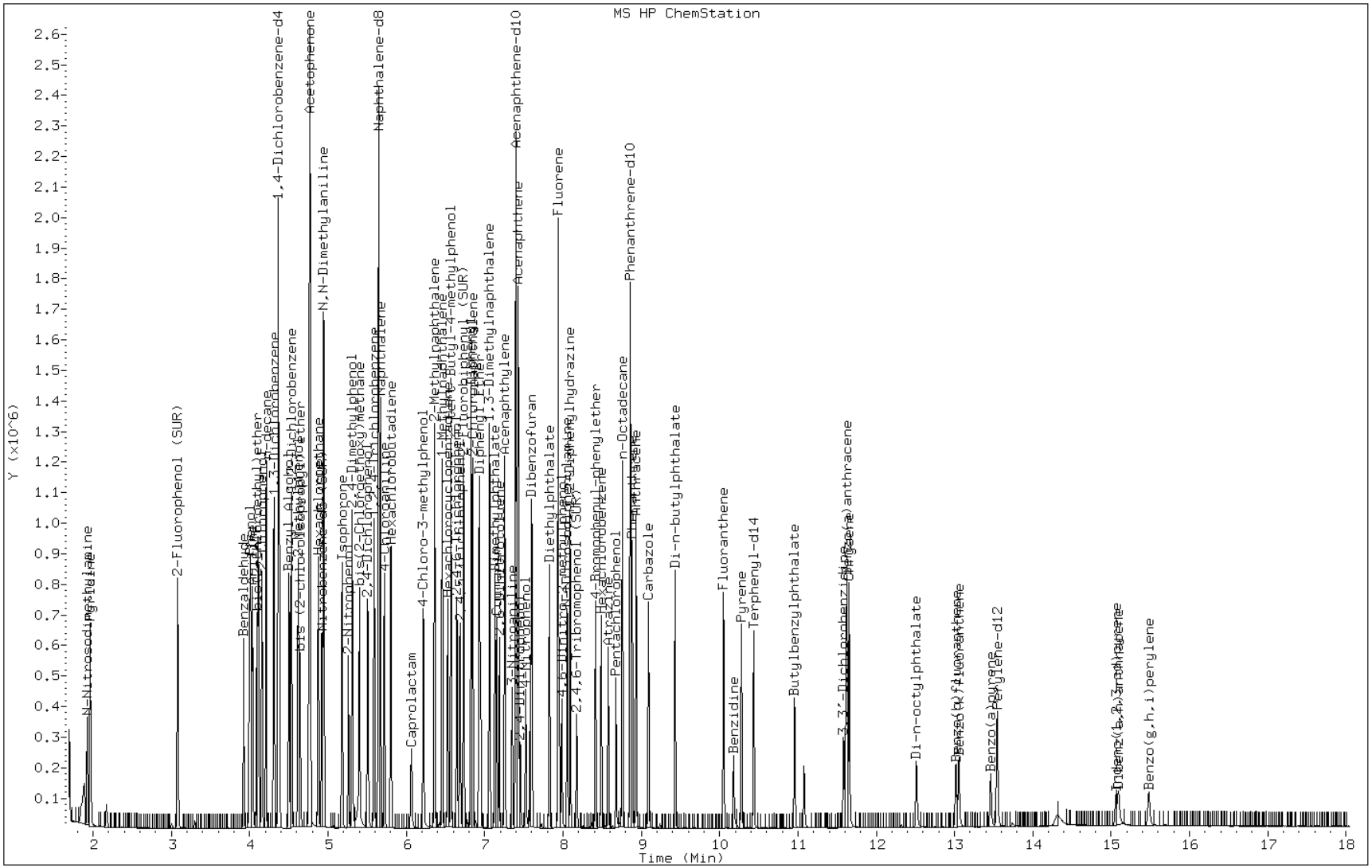
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4014.d

Date: 21-SEP-2009 03:34

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154122 Operator: BNAMS 4



# Manual Integration Report

Data File: z4014.d
Inj. Date and Time: 21-SEP-2009 03:34
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

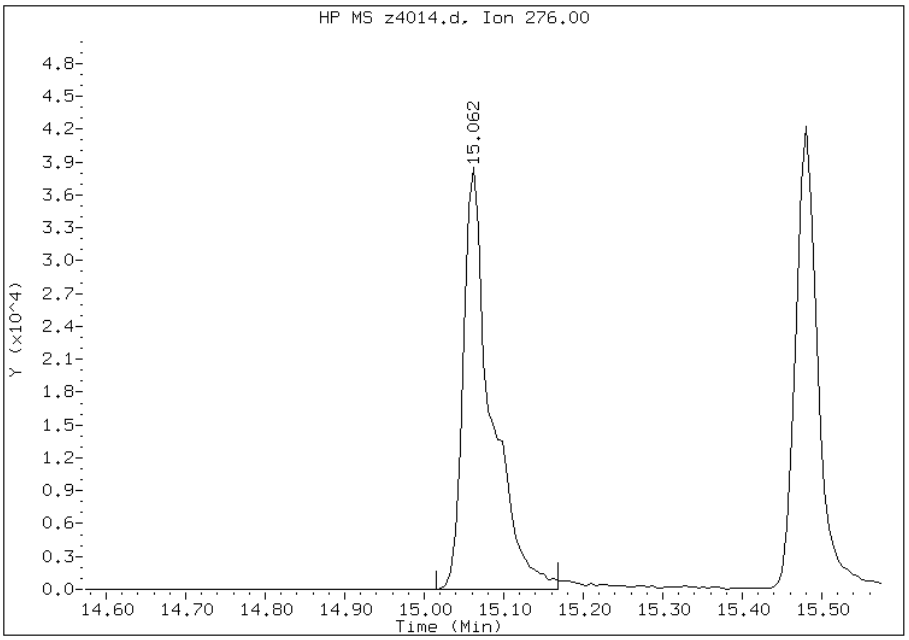
## Processing Integration Results

RT: 15.06

Response: 94563

Amount: 22

Conc: 22



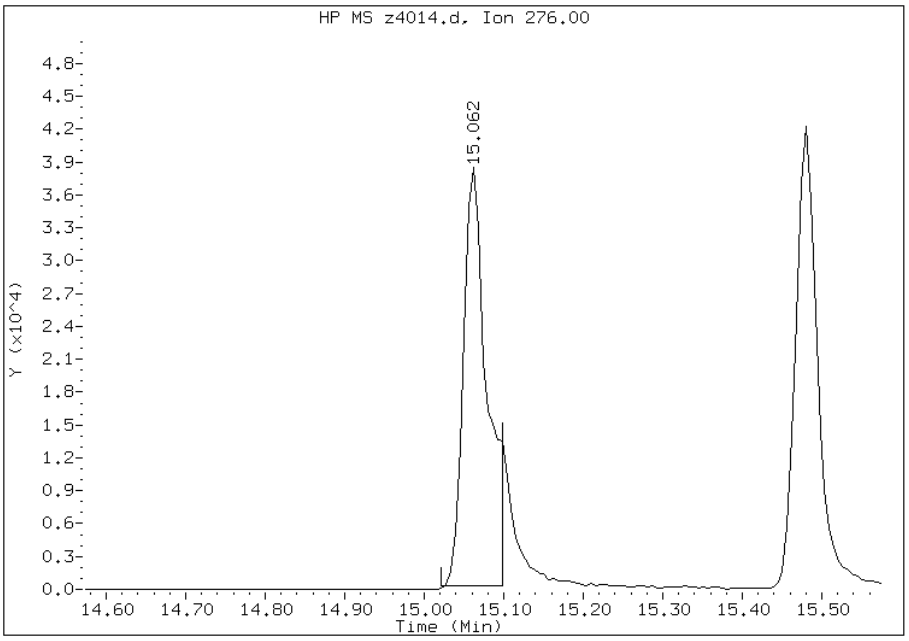

## Manual Integration Results

RT: 15.06

Response: 79518

Amount: 19

Conc: 19




Manually Integrated By: rusin
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Lab Smp Id: IC-154125
Inj Date : 21-SEP-2009 03:58
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154125
Misc Info : 10 ppmmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.928 | 1.928 | (0.442) | 73140 | 10.0000 | 10 |
| | 71 Pyridine | 79 | 1.963 | 1.957 | (0.450) | 133439 | 10.0000 | 10 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 129937 | 10.0000 | 11 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 71765 | 10.0000 | 13 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.993 | 4.010 | (0.915) | 140891 | 10.0000 | 11 |
| | 1 Phenol | 94 | 4.004 | 4.022 | (0.918) | 144955 | 10.0000 | 10 |
| | 73 Aniline | 93 | 4.028 | 4.040 | (0.923) | 187550 | 10.0000 | 11 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.093 | 4.098 | (0.938) | 124194 | 10.0000 | 10 |
| | 2 2-Chlorophenol | 128 | 4.151 | 4.163 | (0.951) | 127366 | 10.0000 | 10 |
| | 113 n-decane | 43 | 4.204 | 4.210 | (0.964) | 118248 | 10.0000 | 11 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 151676 | 10.0000 | 10 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 343570 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 151025 | 10.0000 | 10 |
| | 74 Benzyl Alcohol | 108 | 4.498 | 4.510 | (1.031) | 75846 | 10.0000 | 11 |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 142036 | 10.0000 | 10 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.616 | 4.628 | (1.058) | 103410 | 10.0000 | 10 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.634 | 4.640 | (1.062) | 144471 | 10.0000 | 10 |
| | 104 Acetophenone | 105 | 4.763 | 4.775 | (1.092) | 161005 | 10.0000 | 11 |
| | 4 4-Methylphenol | 108 | 4.769 | 4.781 | (1.093) | 114617 | 10.0000 | 13 |
| | 124 3 & 4 methylphenol | 108 | 4.769 | 4.781 | (1.093) | 114617 | 10.0000 | 13 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.781 | (1.093) | 79149 | 10.0000 | 11 |
| | 26 Hexachloroethane | 117 | 4.875 | 4.881 | (1.117) | 60450 | 10.0000 | 11 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.928 | (0.871) | 122877 | 10.0000 | 10 |
| | 27 Nitrobenzene | 77 | 4.940 | 4.951 | (0.875) | 179691 | 10.0000 | 11 |
| | 107 N,N-Dimethylaniline | 120 | 4.940 | 4.951 | (1.132) | 193230 | 10.0000 | 11 |
| | 28 Isophorone | 82 | 5.175 | 5.187 | (0.917) | 213538 | 10.0000 | 10 |
| | 5 2-Nitrophenol | 139 | 5.257 | 5.263 | (0.931) | 61025 | 10.0000 | 9.9 |
| | 6 2,4-Dimethylphenol | 122 | 5.310 | 5.316 | (0.941) | 98427 | 10.0000 | 10 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.404 | (0.956) | 129907 | 10.0000 | 10 |
| | 15 Benzoic Acid | 122 | 5.393 | 5.445 | (0.955) | 39266 | 10.0000 | 10 |
| | 7 2,4-Dichlorophenol | 162 | 5.504 | 5.510 | (0.975) | 86671 | 10.0000 | 10 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.587 | 5.592 | (0.990) | 112442 | 10.0000 | 11 |
| * | 80 Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1236156 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.669 | 5.669 | (1.004) | 363002 | 10.0000 | 11 |
| | 32 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 140520 | 10.0000 | 11 |
| | 33 Hexachlorobutadiene | 225 | 5.798 | 5.804 | (1.027) | 66023 | 10.0000 | 10 |
| | 111 Caprolactam | 113 | 6.051 | 6.104 | (1.072) | 25298 | 10.0000 | 10 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.216 | 6.228 | (1.101) | 88837 | 10.0000 | 10 |
| | 34 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 214029 | 10.0000 | 11 |
| | 120 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 212351 | 10.0000 | 11 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.528 | 6.534 | (0.882) | 55753 | 10.0000 | 9.3 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.575 | (1.164) | 145042 | 10.0000 | 11 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.645 | 6.651 | (0.898) | 54868 | 10.0000 | 9.7 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.681 | 6.692 | (0.903) | 56431 | 10.0000 | 10 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.734 | (0.909) | 214736 | 10.0000 | 10 |
| | 102 Diphenyl | 154 | 6.828 | 6.834 | (0.923) | 245508 | 10.0000 | 10 |
| | 36 2-Chloronaphthalene | 162 | 6.845 | 6.851 | (0.925) | 198167 | 10.0000 | 10 |
| | 103 Diphenyl Ether | 170 | 6.934 | 6.939 | (0.937) | 135294 | 10.0000 | 10 |
| | 37 2-Nitroaniline | 65 | 6.945 | 6.957 | (0.939) | 66657 | 10.0000 | 11 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.069 | (0.955) | 156449 | 10.0000 | 10 |
| | 38 Dimethylphthalate | 163 | 7.128 | 7.139 | (0.963) | 195700 | 10.0000 | 11 |
| | 114 Coumarin | 146 | 7.151 | 7.157 | (0.967) | 62641 | 10.0000 | 11 |
| | 40 2,6-Dinitrotoluene | 165 | 7.187 | 7.198 | (0.971) | 41745 | 10.0000 | 10 |
| | 39 Acenaphthylene | 152 | 7.257 | 7.263 | (0.981) | 301427 | 10.0000 | 11 |
| | 41 3-Nitroaniline | 138 | 7.351 | 7.363 | (0.994) | 44234 | 10.0000 | 11 |
| * | 82 Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 593987 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 175927 | 10.0000 | 11 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.428 | (1.003) | 160010 | 10.0000 | 10 |
| | 11 2,4-Dinitrophenol | 184 | 7.451 | 7.463 | (1.007) | 26335 | 20.0000 | 17 |
| | 12 4-Nitrophenol | 65 | 7.528 | 7.534 | (1.017) | 51097 | 20.0000 | 20 |
| | 44 2,4-Dinitrotoluene | 165 | 7.581 | 7.592 | (1.025) | 50319 | 10.0000 | 10 |
| | 43 Dibenzofuran | 168 | 7.598 | 7.604 | (1.027) | 253500 | 10.0000 | 11 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.828 | 7.833 | (1.058) | 179325 | 10.0000 | 10 |
| | 47 Fluorene | 166 | 7.939 | 7.945 | (1.073) | 189054 | 10.0000 | 11 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.945 | (1.073) | 91729 | 10.0000 | 10 |
| | 48 4-Nitroaniline | 138 | 7.951 | 7.969 | (1.075) | 39288 | 10.0000 | 11 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.998 | (0.901) | 36708 | 20.0000 | 18 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.051 | 8.063 | (0.908) | 116830 | 10.0000 | 10 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.092 | 8.098 | (0.913) | 217804 | 10.0000 | 10 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.181 | (1.105) | 21117 | 10.0000 | 10 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.416 | 8.422 | (0.950) | 48400 | 10.0000 | 10 |
| | 51 Hexachlorobenzene | 284 | 8.486 | 8.492 | (0.958) | 47805 | 10.0000 | 10 |
| | 112 Atrazine | 200 | 8.581 | 8.586 | (0.968) | 36481 | 10.0000 | 11 |
| | 14 Pentachlorophenol | 266 | 8.681 | 8.686 | (0.979) | 36697 | 20.0000 | 18 |
| | 115 n-Octadecane | 57 | 8.757 | 8.763 | (0.988) | 117218 | 10.0000 | 11 |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 729585 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.881 | 8.892 | (1.002) | 220825 | 10.0000 | 10 |
| | 53 Anthracene | 178 | 8.933 | 8.939 | (1.008) | 222571 | 10.0000 | 10 |
| | 54 Carbazole | 167 | 9.092 | 9.098 | (1.026) | 174154 | 10.0000 | 11 |
| | 55 Di-n-butylphthalate | 149 | 9.433 | 9.439 | (1.064) | 218323 | 10.0000 | 10 |
| | 56 Fluoranthene | 202 | 10.051 | 10.063 | (1.134) | 166807 | 10.0000 | 10 |
| | 58 Benzidine | 184 | 10.180 | 10.186 | (1.149) | 87961 | 20.0000 | 35 |
| | 57 Pyrene | 202 | 10.275 | 10.286 | (0.884) | 166792 | 10.0000 | 11 |
| $ | 78 Terphenyl-d14 | 244 | 10.433 | 10.439 | (0.897) | 102867 | 10.0000 | 10 |
| | 59 Butylbenzylphthalate | 149 | 10.957 | 10.969 | (0.942) | 56621 | 10.0000 | 9.9 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.580 | 11.592 | (0.996) | 54454 | 20.0000 | 21 |
| | 61 Benzo(a)anthracene | 228 | 11.610 | 11.621 | (0.998) | 96567 | 10.0000 | 9.8 |
| * | 81 Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 348022 | 40.0000 | |
| | 62 Chrysene | 228 | 11.657 | 11.669 | (1.003) | 96715 | 10.0000 | 10 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.003) | 71375 | 10.0000 | 9.7 |
| | 64 Di-n-octylphthalate | 149 | 12.510 | 12.521 | (0.924) | 76187 | 10.0000 | 8.8 |
| | 65 Benzo(b)fluoranthene | 252 | 13.021 | 13.027 | (0.961) | 61395 | 10.0000 | 10 |
| | 66 Benzo(k)fluoranthene | 252 | 13.057 | 13.068 | (0.964) | 67771 | 10.0000 | 10 |
| | 67 Benzo(a)pyrene | 252 | 13.463 | 13.474 | (0.994) | 50258 | 10.0000 | 9.7 |
| * | 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 215112 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.062 | 15.074 | (1.112) | 40510 | 10.0000 | 8.5(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.098 | 15.110 | (1.115) | 42679 | 10.0000 | 9.2 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.480 | 15.498 | (1.143) | 45633 | 10.0000 | 9.5 |

QC Flag Legend

M - Compound response manually integrated.

Data File: z4015.d

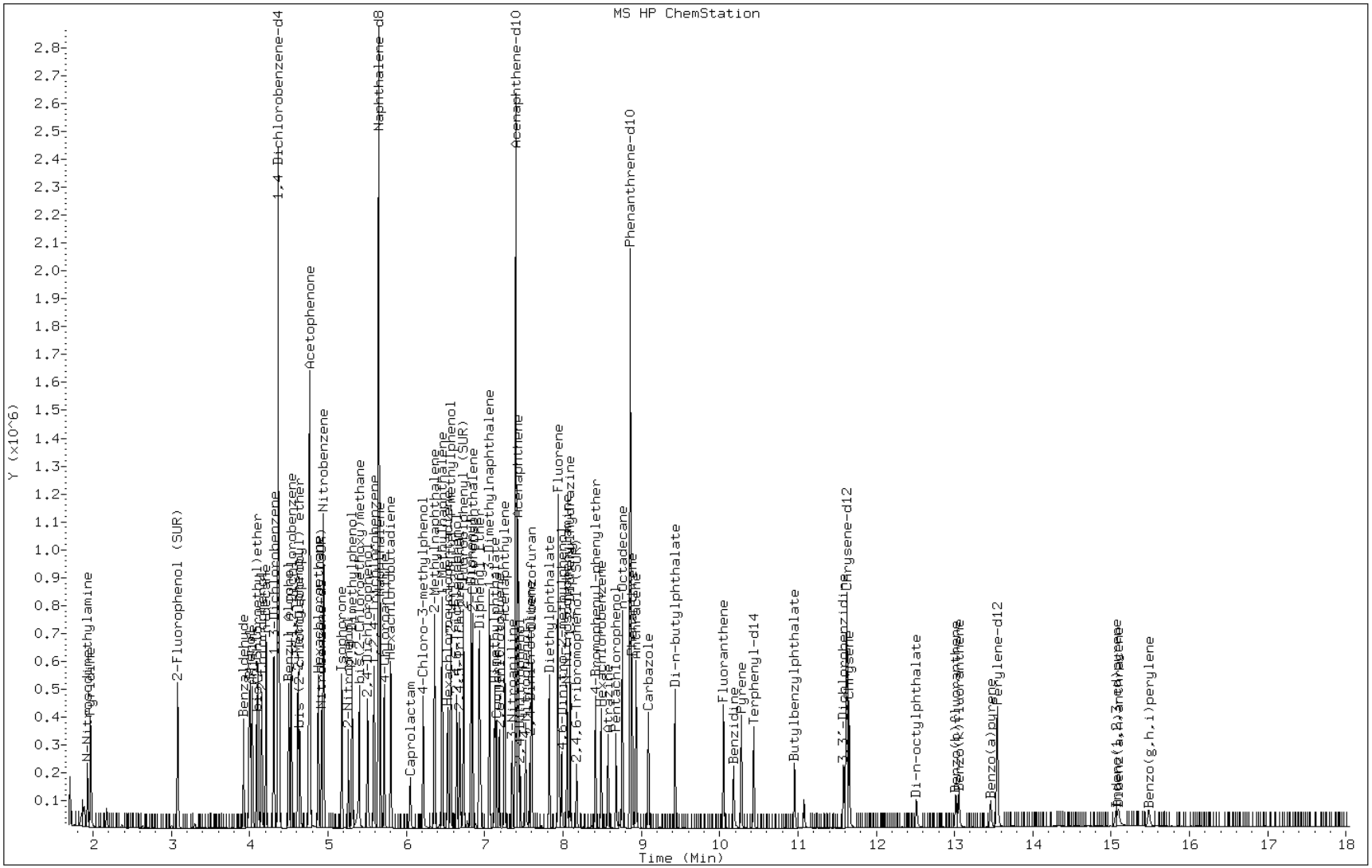
Date: 21-SEP-2009 03:58

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-154125

Operator: BNAMS 4



# Manual Integration Report

Data File: z4015.d
Inj. Date and Time: 21-SEP-2009 03:58
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

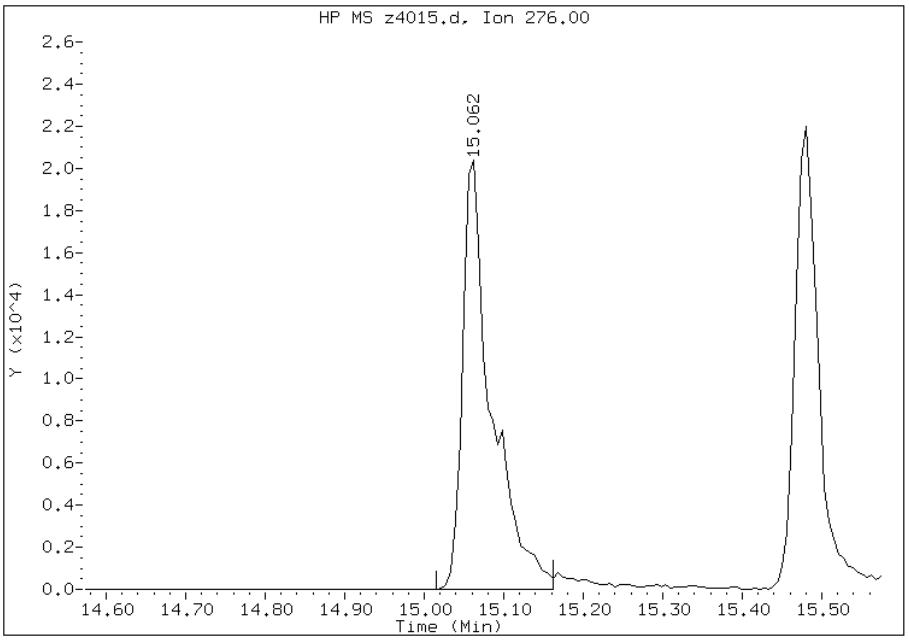
## Processing Integration Results

RT: 15.06

Response: 51949

Amount: 11

Conc: 11



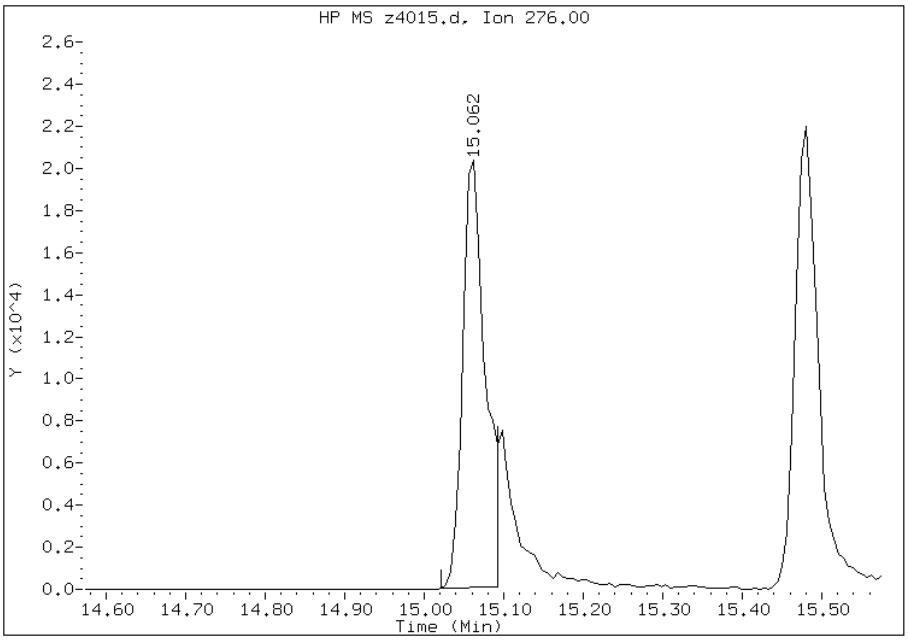

## Manual Integration Results

RT: 15.06

Response: 40510

Amount: 9

Conc: 9




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17609/2 Calibration Date: 09/19/2009 12:52

Instrument ID: BNAMS11 Calib Start Date: 09/14/2009 09:46

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/14/2009 12:48

Lab File ID: z3968.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | Ave | 0.6195 | 0.6263 | | 50600 | 50000 | 1.1 | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.9110 | 0.8251 | | 45300 | 50000 | -9.4 | 20.0 |
| Pyridine | Ave | 1.568 | 1.480 | | 47200 | 50000 | -5.6 | 20.0 |
| Benzaldehyde | Ave | 0.7351 | 0.7707 | | 52400 | 50000 | 4.8 | 20.0 |
| Phenol | Ave | 1.822 | 1.583 | | 43400 | 50000 | -13.2 | 20.0 |
| Aniline | Ave | 2.350 | 1.943 | | 41300 | 50000 | -17.3 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.676 | 1.335 | | 39800 | 50000 | -20.4* | 20.0 |
| 2-Chlorophenol | Ave | 1.517 | 1.374 | | 45300 | 50000 | -9.4 | 20.0 |
| n-Decane | QuaF | 1.373 | 1.245 | | 49800 | 50000 | -0.4 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.754 | 1.656 | | 47200 | 50000 | -5.5 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.725 | 1.644 | | 47600 | 50000 | -4.7 | 20.0 |
| Benzyl alcohol | Ave | 0.9995 | 0.7953 | | 39800 | 50000 | -20.4* | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.659 | 1.528 | | 46000 | 50000 | -7.9 | 20.0 |
| 2-Methylphenol | Ave | 1.326 | 1.060 | | 40000 | 50000 | -20.0 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | QuaF | 1.867 | 1.468 | | 42000 | 50000 | -15.9 | 20.0 |
| Acetophenone | LinF | 1.862 | 1.500 | | 48600 | 50000 | -2.9 | 20.0 |
| 3 & 4 Methylphenol | LinF | 1.359 | 1.073 | | 45500 | 50000 | -9.0 | 20.0 |
| 4-Methylphenol | LinF | 1.359 | 1.073 | | 45500 | 50000 | -9.0 | 20.0 |
| N-Nitrosodi-n-propylamine | LinF | 1.026 | 0.7409 | 0.0500 | 42200 | 50000 | -15.6 | 20.0 |
| Hexachloroethane | Ave | 0.6712 | 0.6506 | | 48500 | 50000 | -3.1 | 20.0 |
| Nitrobenzene | QuaF | 0.5545 | 0.5180 | | 50000 | 50000 | 0.1 | 20.0 |
| n,n'-Dimethylaniline | QuaF | 2.320 | 1.935 | | 45900 | 50000 | -8.2 | 20.0 |
| Isophorone | Ave | 0.7664 | 0.6277 | | 40900 | 50000 | -18.1 | 20.0 |
| 2-Nitrophenol | Ave | 0.1987 | 0.1989 | | 50100 | 50000 | 0.1 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.3381 | 0.2937 | | 43400 | 50000 | -13.1 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.4456 | 0.3862 | | 43300 | 50000 | -13.3 | 20.0 |
| Benzoic acid | Ave | 0.1111 | 0.1360 | | 61200 | 50000 | 22.5* | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.3004 | 0.2638 | | 43900 | 50000 | -12.2 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3481 | 0.3324 | | 47700 | 50000 | -4.5 | 20.0 |
| Naphthalene | Ave | 1.137 | 1.054 | | 46300 | 50000 | -7.3 | 20.0 |
| 4-Chloroaniline | QuaF | 0.4391 | 0.3867 | | 46700 | 50000 | -6.6 | 20.0 |
| Hexachlorobutadiene | Ave | 0.2016 | 0.1975 | | 49000 | 50000 | -2.0 | 20.0 |
| Caprolactam | Ave | 0.0993 | 0.0765 | | 38500 | 50000 | -22.9* | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.3018 | 0.2598 | | 43000 | 50000 | -13.9 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.7092 | 0.6185 | | 43600 | 50000 | -12.8 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6887 | 0.5892 | | 42800 | 50000 | -14.4 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.4181 | 0.4301 | 0.0500 | 51400 | 50000 | 2.9 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4704 | 0.3899 | | 41400 | 50000 | -17.1 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3899 | 0.3688 | | 47300 | 50000 | -5.4 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3691 | 0.3700 | | 50100 | 50000 | 0.3 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.624 | 1.569 | | 48300 | 50000 | -3.4 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17609/2 Calibration Date: 09/19/2009 12:52

Instrument ID: BNAMS11 Calib Start Date: 09/14/2009 09:46

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/14/2009 12:48

Lab File ID: z3968.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloronaphthalene | Ave | 1.253 | 1.244 | | 49700 | 50000 | -0.7 | 20.0 |
| Phenyl ether | Ave | 0.9000 | 0.8583 | | 47700 | 50000 | -4.6 | 20.0 |
| 2-Nitroaniline | Ave | 0.4644 | 0.4357 | | 46900 | 50000 | -6.2 | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 1.033 | 0.9923 | | 48000 | 50000 | -3.9 | 20.0 |
| Dimethyl phthalate | Ave | 1.278 | 1.233 | | 48200 | 50000 | -3.5 | 20.0 |
| Coumarin | Ave | 0.4148 | 0.3928 | | 47300 | 50000 | -5.3 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2790 | 0.2836 | | 50800 | 50000 | 1.6 | 20.0 |
| Acenaphthylene | Ave | 2.012 | 1.907 | | 47400 | 50000 | -5.2 | 20.0 |
| 3-Nitroaniline | Ave | 0.2893 | 0.2832 | | 48900 | 50000 | -2.1 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.047 | 0.9768 | | 46700 | 50000 | -6.7 | 20.0 |
| Acenaphthene | Ave | 1.191 | 1.097 | | 46100 | 50000 | -7.9 | 20.0 |
| 2,4-Dinitrophenol | Ave | 0.0962 | 0.0991 | 0.0500 | 51500 | 50000 | 3.0 | 20.0 |
| 4-Nitrophenol | Ave | 0.1995 | 0.1947 | 0.0500 | 48800 | 50000 | -2.4 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3461 | 0.3439 | | 49700 | 50000 | -0.6 | 20.0 |
| Dibenzofuran | Ave | 1.665 | 1.552 | | 46600 | 50000 | -6.7 | 20.0 |
| Diethyl phthalate | Ave | 1.245 | 1.179 | | 47300 | 50000 | -5.3 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.6026 | 0.5679 | | 47100 | 50000 | -5.7 | 20.0 |
| Fluorene | Ave | 1.251 | 1.179 | | 47100 | 50000 | -5.8 | 20.0 |
| 4-Nitroaniline | LinF | 0.2622 | 0.2661 | | 59800 | 50000 | 19.5 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1068 | 0.1057 | | 49500 | 50000 | -1.0 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6555 | 0.5913 | | 45100 | 50000 | -9.8 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 1.210 | 1.099 | | 45400 | 50000 | -9.2 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2652 | 0.2486 | | 46900 | 50000 | -6.2 | 20.0 |
| Hexachlorobenzene | Ave | 0.2477 | 0.2376 | | 48000 | 50000 | -4.1 | 20.0 |
| Atrazine | QuaF | 0.2008 | 0.1932 | | 49000 | 50000 | -2.0 | 20.0 |
| Pentachlorophenol | Ave | 0.1244 | 0.1048 | | 42100 | 50000 | -15.8 | 20.0 |
| n-Octadecane | Ave | 0.6787 | 0.5717 | | 42100 | 50000 | -15.8 | 20.0 |
| Phenanthrene | Ave | 1.185 | 1.135 | | 47900 | 50000 | -4.3 | 20.0 |
| Anthracene | Ave | 1.199 | 1.160 | | 48400 | 50000 | -3.2 | 20.0 |
| Carbazole | Ave | 0.9702 | 0.9306 | | 48000 | 50000 | -4.1 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.270 | 1.240 | | 48800 | 50000 | -2.4 | 20.0 |
| Fluoranthene | Ave | 0.9965 | 0.9844 | | 49400 | 50000 | -1.2 | 20.0 |
| Benzidine | Ave | 0.1379 | 0.1219 | | 44200 | 50000 | -11.6 | 20.0 |
| Pyrene | Ave | 1.887 | 1.688 | | 44700 | 50000 | -10.6 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.7240 | 0.6899 | | 47600 | 50000 | -4.7 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.1923 | 0.1583 | | 412 | 500 | -17.7 | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.2812 | 0.3159 | | 56200 | 50000 | 12.3 | 20.0 |
| Benzo[a]anthracene | Ave | 1.168 | 1.105 | | 47300 | 50000 | -5.4 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.9154 | 0.8844 | | 48300 | 50000 | -3.4 | 20.0 |
| Chrysene | Ave | 1.020 | 1.046 | | 51300 | 50000 | 2.5 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17609/2 Calibration Date: 09/19/2009 12:52

Instrument ID: BNAMS11 Calib Start Date: 09/14/2009 09:46

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/14/2009 12:48

Lab File ID: z3968.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | Ave | 1.987 | 1.795 | | 45200 | 50000 | -9.7 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.200 | 1.136 | | 47300 | 50000 | -5.4 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.312 | 1.332 | | 50800 | 50000 | 1.5 | 20.0 |
| Benzo[a]pyrene | Ave | 0.9710 | 1.015 | | 52300 | 50000 | 4.6 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 0.7496 | 0.7759 | | 51800 | 50000 | 3.5 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.7595 | 0.8592 | | 56600 | 50000 | 13.1 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 0.7511 | 0.8786 | | 58500 | 50000 | 17.0 | 20.0 |
| 2-Fluorophenol | Ave | 1.454 | 1.347 | | 46300 | 50000 | -7.4 | 20.0 |
| Phenol-d5 | Ave | 1.718 | 1.420 | | 41300 | 50000 | -17.4 | 20.0 |
| Nitrobenzene-d5 | Ave | 0.4163 | 0.3790 | | 45500 | 50000 | -9.0 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.441 | 1.385 | | 48000 | 50000 | -3.9 | 20.0 |
| 2,4,6-Tribromophenol | Ave | 0.1359 | 0.1350 | | 49700 | 50000 | -0.7 | 20.0 |
| Terphenyl-d14 | Ave | 1.180 | 1.061 | | 44900 | 50000 | -10.1 | 20.0 |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3968.d
Report Date: 19-Sep-2009 13:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3968.d
Lab Smp Id: CCIS-154120
Inj Date : 19-SEP-2009 12:52
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : CCIS-154120
Misc Info : 50ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/8270C_08SP.m
Meth Date : 19-Sep-2009 13:35 asfawa Quant Type: ISTD
Cal Date : 19-SEP-2009 12:52 Cal File: z3968.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.740 | 1.740 | (0.398) | 243027 | 50.0000 | 50 |
| | 19 N-Nitrosodimethylamine | 74 | 1.963 | 1.963 | (0.449) | 320133 | 50.0000 | 45 |
| | 71 Pyridine | 79 | 1.993 | 1.993 | (0.455) | 574162 | 50.0000 | 47 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.104 | 3.104 | (0.710) | 522742 | 50.0000 | 46 |
| | 110 Benzaldehyde | 77 | 3.940 | 3.940 | (0.900) | 299025 | 50.0000 | 52 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.016 | 4.016 | (0.918) | 550915 | 50.0000 | 41 |
| | 1 Phenol | 94 | 4.034 | 4.034 | (0.922) | 614089 | 50.0000 | 43 |
| | 73 Aniline | 93 | 4.051 | 4.051 | (0.926) | 753855 | 50.0000 | 41 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.110 | 4.110 | (0.940) | 517984 | 50.0000 | 40 |
| | 2 2-Chlorophenol | 128 | 4.175 | 4.175 | (0.954) | 533284 | 50.0000 | 45 |
| | 113 n-decane | 43 | 4.222 | 4.222 | (0.965) | 483117 | 50.0000 | 50 |
| | 21 1,3-Dichlorobenzene | 146 | 4.322 | 4.322 | (0.988) | 642717 | 50.0000 | 47 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.375 | 4.375 | (1.000) | 310415 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.393 | 4.393 | (1.004) | 637774 | 50.0000 | 48 |
| | 74 Benzyl Alcohol | 108 | 4.516 | 4.516 | (1.032) | 308600 | 50.0000 | 40 |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3968.d
Report Date: 19-Sep-2009 13:35

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 23 1,2-Dichlorobenzene | 146 | 4.546 | 4.546 | (1.039) | 592823 | 50.0000 | 46 |
| | 3 2-Methylphenol | 108 | 4.634 | 4.634 | (1.059) | 411476 | 50.0000 | 40 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.646 | 4.646 | (1.062) | 569725 | 50.0000 | 42 |
| | 104 Acetophenone | 105 | 4.781 | 4.781 | (1.093) | 581870 | 50.0000 | 48 |
| | 4 4-Methylphenol | 108 | 4.787 | 4.787 | (1.094) | 416263 | 50.0000 | 46 |
| | 124 3 & 4 methylphenol | 108 | 4.787 | 4.787 | (1.094) | 416263 | 50.0000 | 46 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.787 | 4.787 | (1.094) | 287486 | 50.0000 | 42 |
| | 26 Hexachloroethane | 117 | 4.887 | 4.887 | (1.117) | 252447 | 50.0000 | 48 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.934 | 4.934 | (0.873) | 494179 | 50.0000 | 46 |
| | 27 Nitrobenzene | 77 | 4.951 | 4.951 | (0.876) | 675407 | 50.0000 | 50 |
| | 107 N,N-Dimethylaniline | 120 | 4.957 | 4.957 | (1.133) | 750968 | 50.0000 | 46 |
| | 28 Isophorone | 82 | 5.187 | 5.187 | (0.918) | 818454 | 50.0000 | 41 |
| | 5 2-Nitrophenol | 139 | 5.269 | 5.269 | (0.932) | 259378 | 50.0000 | 50 |
| | 6 2,4-Dimethylphenol | 122 | 5.316 | 5.316 | (0.941) | 382958 | 50.0000 | 43 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.404 | 5.404 | (0.956) | 503565 | 50.0000 | 43 |
| | 15 Benzoic Acid | 122 | 5.440 | 5.440 | (0.963) | 177384 | 50.0000 | 61 |
| | 7 2,4-Dichlorophenol | 162 | 5.510 | 5.510 | (0.975) | 344007 | 50.0000 | 44 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.593 | 5.593 | (0.990) | 433452 | 50.0000 | 48 |
| * | 80 Naphthalene-d8 | 136 | 5.651 | 5.651 | (1.000) | 1043123 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.675 | 5.675 | (1.004) | 1374758 | 50.0000 | 46 |
| | 32 4-Chloroaniline | 127 | 5.728 | 5.728 | (1.014) | 504156 | 50.0000 | 47 |
| | 33 Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.027) | 257493 | 50.0000 | 49 |
| | 111 Caprolactam | 113 | 6.093 | 6.093 | (1.078) | 99777 | 50.0000 | 38 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.222 | 6.222 | (1.101) | 338801 | 50.0000 | 43 |
| | 34 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.126) | 806478 | 50.0000 | 44 |
| | 120 1-Methylnaphthalene | 142 | 6.463 | 6.463 | (1.144) | 768217 | 50.0000 | 43 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.528 | 6.528 | (0.882) | 245894 | 50.0000 | 51 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.569 | (1.162) | 508346 | 50.0000 | 41 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.645 | 6.645 | (0.898) | 210863 | 50.0000 | 47 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.687 | 6.687 | (0.904) | 211563 | 50.0000 | 50 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.728 | (0.909) | 791718 | 50.0000 | 48 |
| | 102 Diphenyl | 154 | 6.828 | 6.828 | (0.923) | 896853 | 50.0000 | 48 |
| | 36 2-Chloronaphthalene | 162 | 6.845 | 6.845 | (0.925) | 711319 | 50.0000 | 50 |
| | 103 Diphenyl Ether | 170 | 6.928 | 6.928 | (0.936) | 490749 | 50.0000 | 48 |
| | 37 2-Nitroaniline | 65 | 6.951 | 6.951 | (0.940) | 249087 | 50.0000 | 47 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.063 | (0.955) | 567315 | 50.0000 | 48 |
| | 38 Dimethylphthalate | 163 | 7.128 | 7.128 | (0.963) | 705218 | 50.0000 | 48 |
| | 114 Coumarin | 146 | 7.151 | 7.151 | (0.967) | 224598 | 50.0000 | 47 |
| | 40 2,6-Dinitrotoluene | 165 | 7.187 | 7.187 | (0.971) | 162117 | 50.0000 | 51 |
| | 39 Acenaphthylene | 152 | 7.257 | 7.257 | (0.981) | 1090405 | 50.0000 | 47 |
| | 41 3-Nitroaniline | 138 | 7.357 | 7.357 | (0.994) | 161906 | 50.0000 | 49 |
| * | 82 Acenaphthene-d10 | 164 | 7.398 | 7.398 | (1.000) | 457396 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.428 | 7.428 | (1.004) | 626967 | 50.0000 | 46 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.416 | 7.416 | (1.002) | 558492 | 50.0000 | 47 |
| | 11 2,4-Dinitrophenol | 184 | 7.451 | 7.451 | (1.007) | 56650 | 50.0000 | 52 |
| | 12 4-Nitrophenol | 65 | 7.522 | 7.522 | (1.017) | 111307 | 50.0000 | 49 |
| | 44 2,4-Dinitrotoluene | 165 | 7.581 | 7.581 | (1.025) | 196647 | 50.0000 | 50 |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3968.d
Report Date: 19-Sep-2009 13:35

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 43 Dibenzofuran | 168 | 7.598 | 7.598 | (1.027) | 887524 | 50.0000 | 47 |
| | 45 Diethylphthalate | 149 | 7.822 | 7.822 | (1.057) | 674183 | 50.0000 | 47 |
| | 47 Fluorene | 166 | 7.934 | 7.934 | (1.072) | 674152 | 50.0000 | 47 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.934 | 7.934 | (1.072) | 324701 | 50.0000 | 47 |
| | 48 4-Nitroaniline | 138 | 7.957 | 7.957 | (1.076) | 152147 | 50.0000 | 60 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.986 | (0.902) | 76839 | 50.0000 | 49 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.051 | 8.051 | (0.909) | 429855 | 50.0000 | 45 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.092 | 8.092 | (0.914) | 798798 | 50.0000 | 45 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.175 | (1.105) | 77189 | 50.0000 | 50 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.410 | 8.410 | (0.950) | 180755 | 50.0000 | 47 |
| | 51 Hexachlorobenzene | 284 | 8.486 | 8.486 | (0.958) | 172745 | 50.0000 | 48 |
| | 112 Atrazine | 200 | 8.575 | 8.575 | (0.968) | 140426 | 50.0000 | 49 |
| | 14 Pentachlorophenol | 266 | 8.675 | 8.675 | (0.979) | 76160 | 50.0000 | 42 |
| | 115 n-Octadecane | 57 | 8.745 | 8.745 | (0.987) | 415592 | 50.0000 | 42 |
| * | 83 Phenanthrene-d10 | 188 | 8.857 | 8.857 | (1.000) | 581603 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.881 | 8.881 | (1.003) | 825052 | 50.0000 | 48 |
| | 53 Anthracene | 178 | 8.928 | 8.928 | (1.008) | 843351 | 50.0000 | 48 |
| | 54 Carbazole | 167 | 9.086 | 9.086 | (1.026) | 676540 | 50.0000 | 48 |
| | 55 Di-n-butylphthalate | 149 | 9.422 | 9.422 | (1.064) | 901133 | 50.0000 | 49 |
| | 56 Fluoranthene | 202 | 10.045 | 10.045 | (1.134) | 715659 | 50.0000 | 49 |
| | 58 Benzidine | 184 | 10.175 | 10.175 | (1.149) | 88618 | 50.0000 | 44 |
| | 57 Pyrene | 202 | 10.275 | 10.275 | (0.883) | 710393 | 50.0000 | 45 |
| $ | 78 Terphenyl-d14 | 244 | 10.428 | 10.428 | (0.896) | 446570 | 50.0000 | 45 |
| | 59 Butylbenzylphthalate | 149 | 10.957 | 10.957 | (0.942) | 290343 | 50.0000 | 48 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 11.075 | 11.075 | (0.952) | 666 | 0.50000 | 0.41(a) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.586 | (0.996) | 132934 | 50.0000 | 56 |
| | 61 Benzo(a)anthracene | 228 | 11.616 | 11.616 | (0.998) | 464987 | 50.0000 | 47 |
| * | 81 Chrysene-d12 | 240 | 11.633 | 11.633 | (1.000) | 336683 | 40.0000 | |
| | 62 Chrysene | 228 | 11.663 | 11.663 | (1.003) | 440200 | 50.0000 | 51 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.651 | 11.651 | (1.002) | 372184 | 50.0000 | 48 |
| | 64 Di-n-octylphthalate | 149 | 12.510 | 12.510 | (0.923) | 501058 | 50.0000 | 45 |
| | 65 Benzo(b)fluoranthene | 252 | 13.027 | 13.027 | (0.961) | 317048 | 50.0000 | 47 |
| | 66 Benzo(k)fluoranthene | 252 | 13.069 | 13.069 | (0.964) | 371895 | 50.0000 | 51 |
| | 67 Benzo(a)pyrene | 252 | 13.474 | 13.474 | (0.994) | 283439 | 50.0000 | 52 |
| * | 84 Perylene-d12 | 264 | 13.551 | 13.551 | (1.000) | 223337 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.092 | 15.092 | (1.114) | 216605 | 50.0000 | 52(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.121 | 15.121 | (1.116) | 239850 | 50.0000 | 56 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.521 | 15.521 | (1.145) | 245283 | 50.0000 | 58 |

QC Flag Legend

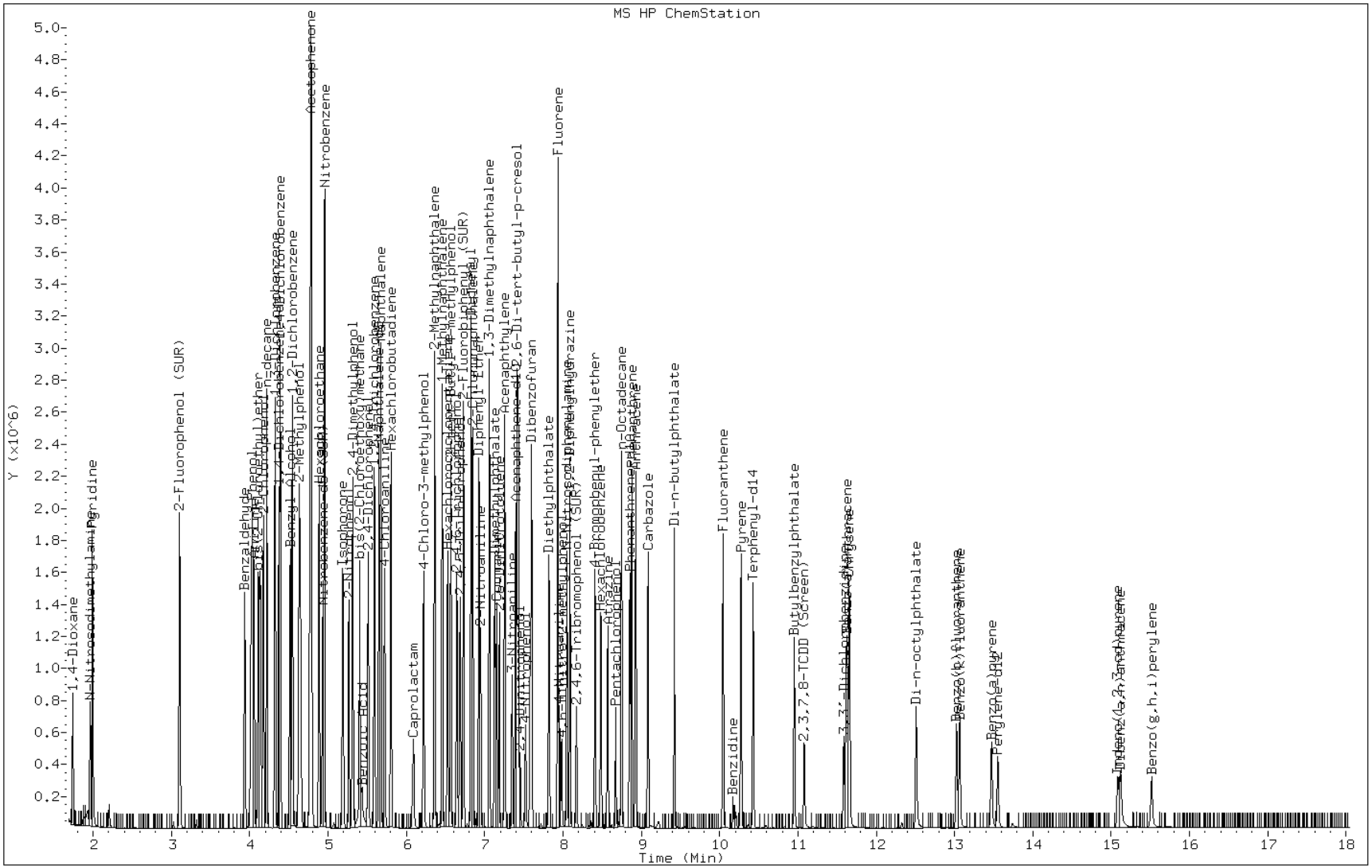
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: z3968.d

Date: 19-SEP-2009 12:52

Client ID: Instrument: BNAMS11.i

Sample Info: CCIS-154120 Operator: BNAMS 4



# Manual Integration Report

Data File: z3968.d
Inj. Date and Time: 19-SEP-2009 12:52
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/22/2009

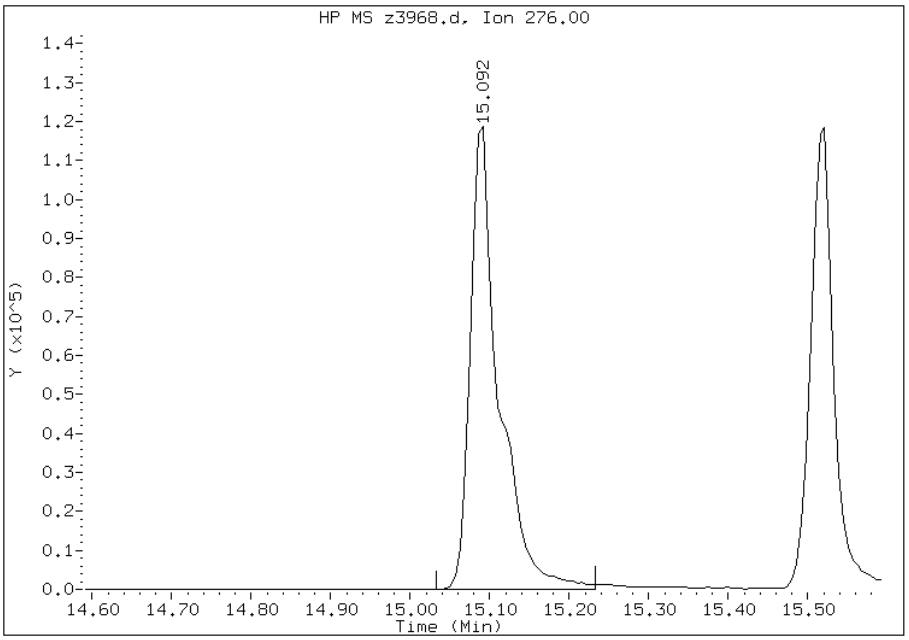
## Processing Integration Results

RT: 15.09

Response: 294992

Amount: 70

Conc: 70



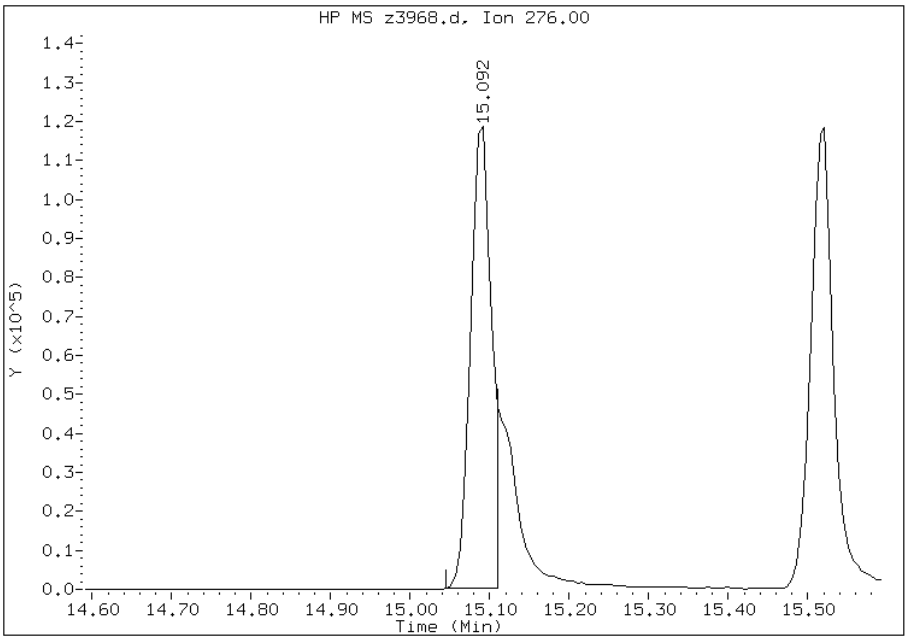

## Manual Integration Results

RT: 15.09

Response: 216605

Amount: 52

Conc: 52




Manually Integrated By: wahied
Manual Integration Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17486/2 Calibration Date: 09/20/2009 04:34

Instrument ID: BNAMS11 Calib Start Date: 09/14/2009 09:46

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/14/2009 12:48

Lab File ID: z3985.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | Ave | 0.6195 | 0.6128 | | 49500 | 50000 | -1.1 | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.9110 | 0.8337 | | 45800 | 50000 | -8.5 | 20.0 |
| Pyridine | Ave | 1.568 | 1.459 | | 46500 | 50000 | -7.0 | 20.0 |
| Benzaldehyde | Ave | 0.7351 | 0.7675 | | 52200 | 50000 | 4.4 | 20.0 |
| Phenol | Ave | 1.822 | 1.658 | | 45500 | 50000 | -9.0 | 20.0 |
| Aniline | Ave | 2.350 | 1.995 | | 42500 | 50000 | -15.1 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.676 | 1.367 | | 40800 | 50000 | -18.4 | 20.0 |
| 2-Chlorophenol | Ave | 1.517 | 1.392 | | 45900 | 50000 | -8.2 | 20.0 |
| n-Decane | QuaF | 1.373 | 1.217 | | 48400 | 50000 | -3.2 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.754 | 1.656 | | 47200 | 50000 | -5.6 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.725 | 1.649 | | 47800 | 50000 | -4.4 | 20.0 |
| Benzyl alcohol | Ave | 0.9995 | 0.8470 | | 42400 | 50000 | -15.3 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.659 | 1.539 | | 46400 | 50000 | -7.2 | 20.0 |
| 2-Methylphenol | Ave | 1.326 | 1.097 | | 41400 | 50000 | -17.2 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | QuaF | 1.867 | 1.472 | | 42200 | 50000 | -15.6 | 20.0 |
| 3 & 4 Methylphenol | LinF | 1.359 | 1.153 | | 48900 | 50000 | -2.1 | 20.0 |
| 4-Methylphenol | LinF | 1.359 | 1.153 | | 48900 | 50000 | -2.1 | 20.0 |
| Acetophenone | LinF | 1.862 | 1.590 | | 51500 | 50000 | 3.0 | 20.0 |
| N-Nitrosodi-n-propylamine | LinF | 1.026 | 0.7846 | 0.0500 | 44700 | 50000 | -10.7 | 20.0 |
| Hexachloroethane | Ave | 0.6712 | 0.6525 | | 48600 | 50000 | -2.8 | 20.0 |
| n,n'-Dimethylaniline | QuaF | 2.320 | 1.979 | | 47100 | 50000 | -5.8 | 20.0 |
| Nitrobenzene | QuaF | 0.5545 | 0.5245 | | 50800 | 50000 | 1.6 | 20.0 |
| Isophorone | Ave | 0.7664 | 0.6606 | | 43100 | 50000 | -13.8 | 20.0 |
| 2-Nitrophenol | Ave | 0.1987 | 0.2037 | | 51200 | 50000 | 2.5 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.3381 | 0.3043 | | 45000 | 50000 | -10.0 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.4456 | 0.3981 | | 44700 | 50000 | -10.7 | 20.0 |
| Benzoic acid | Ave | 0.1111 | 0.1399 | | 63000 | 50000 | 25.9* | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.3004 | 0.2689 | | 44800 | 50000 | -10.5 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3481 | 0.3357 | | 48200 | 50000 | -3.6 | 20.0 |
| Naphthalene | Ave | 1.137 | 1.066 | | 46900 | 50000 | -6.2 | 20.0 |
| 4-Chloroaniline | QuaF | 0.4391 | 0.4130 | | 50400 | 50000 | 0.8 | 20.0 |
| Hexachlorobutadiene | Ave | 0.2016 | 0.1954 | | 48500 | 50000 | -3.1 | 20.0 |
| Caprolactam | Ave | 0.0993 | 0.0857 | | 43200 | 50000 | -13.7 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.3018 | 0.2815 | | 46600 | 50000 | -6.7 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.7092 | 0.6444 | | 45400 | 50000 | -9.1 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6887 | 0.6153 | | 44700 | 50000 | -10.7 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.4181 | 0.4143 | 0.0500 | 49500 | 50000 | -0.9 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4704 | 0.4089 | | 43500 | 50000 | -13.1 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3899 | 0.3710 | | 47600 | 50000 | -4.9 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3691 | 0.3724 | | 50500 | 50000 | 0.9 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.624 | 1.535 | | 47300 | 50000 | -5.5 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17486/2 Calibration Date: 09/20/2009 04:34

Instrument ID: BNAMS11 Calib Start Date: 09/14/2009 09:46

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/14/2009 12:48

Lab File ID: z3985.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloronaphthalene | Ave | 1.253 | 1.229 | | 49100 | 50000 | -1.9 | 20.0 |
| Phenyl ether | Ave | 0.9000 | 0.8368 | | 46500 | 50000 | -7.0 | 20.0 |
| 2-Nitroaniline | Ave | 0.4644 | 0.3690 | | 39700 | 50000 | -20.5* | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 1.033 | 0.9765 | | 47300 | 50000 | -5.5 | 20.0 |
| Dimethyl phthalate | Ave | 1.278 | 1.216 | | 47500 | 50000 | -4.9 | 20.0 |
| Coumarin | Ave | 0.4148 | 0.3895 | | 46900 | 50000 | -6.1 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2790 | 0.2817 | | 50500 | 50000 | 0.9 | 20.0 |
| Acenaphthylene | Ave | 2.012 | 1.898 | | 47200 | 50000 | -5.7 | 20.0 |
| 3-Nitroaniline | Ave | 0.2893 | 0.2902 | | 50200 | 50000 | 0.3 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.047 | 0.9390 | | 44900 | 50000 | -10.3 | 20.0 |
| Acenaphthene | Ave | 1.191 | 1.071 | | 45000 | 50000 | -10.0 | 20.0 |
| 2,4-Dinitrophenol | Ave | 0.0962 | 0.1150 | 0.0500 | 59800 | 50000 | 19.6 | 20.0 |
| 4-Nitrophenol | Ave | 0.1995 | 0.1958 | 0.0500 | 49100 | 50000 | -1.9 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3461 | 0.3424 | | 49500 | 50000 | -1.1 | 20.0 |
| Dibenzofuran | Ave | 1.665 | 1.547 | | 46500 | 50000 | -7.0 | 20.0 |
| Diethyl phthalate | Ave | 1.245 | 1.167 | | 46800 | 50000 | -6.3 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.6026 | 0.5619 | | 46600 | 50000 | -6.7 | 20.0 |
| Fluorene | Ave | 1.251 | 1.194 | | 47700 | 50000 | -4.6 | 20.0 |
| 4-Nitroaniline | LinF | 0.2622 | 0.2469 | | 55400 | 50000 | 10.9 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1068 | 0.1151 | | 53900 | 50000 | 7.8 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6555 | 0.5847 | | 44600 | 50000 | -10.8 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 1.210 | 1.101 | | 45500 | 50000 | -9.0 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2652 | 0.2528 | | 47700 | 50000 | -4.7 | 20.0 |
| Hexachlorobenzene | Ave | 0.2477 | 0.2379 | | 48000 | 50000 | -4.0 | 20.0 |
| Atrazine | QuaF | 0.2008 | 0.1854 | | 46400 | 50000 | -7.2 | 20.0 |
| Pentachlorophenol | Ave | 0.1244 | 0.1190 | | 47800 | 50000 | -4.4 | 20.0 |
| n-Octadecane | Ave | 0.6787 | 0.5522 | | 40700 | 50000 | -18.6 | 20.0 |
| Phenanthrene | Ave | 1.185 | 1.148 | | 48400 | 50000 | -3.2 | 20.0 |
| Anthracene | Ave | 1.199 | 1.180 | | 49200 | 50000 | -1.6 | 20.0 |
| Carbazole | Ave | 0.9702 | 0.9068 | | 46700 | 50000 | -6.5 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.270 | 1.189 | | 46800 | 50000 | -6.4 | 20.0 |
| Fluoranthene | Ave | 0.9965 | 0.9509 | | 47700 | 50000 | -4.6 | 20.0 |
| Benzidine | Ave | 0.1379 | 0.0977 | | 35400 | 50000 | -29.2* | 20.0 |
| Pyrene | Ave | 1.887 | 1.740 | | 46100 | 50000 | -7.8 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.7240 | 0.6800 | | 47000 | 50000 | -6.1 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.1923 | 0.1829 | | 476 | 500 | -4.9 | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.2812 | 0.3076 | | 54700 | 50000 | 9.4 | 20.0 |
| Benzo[a]anthracene | Ave | 1.168 | 1.116 | | 47800 | 50000 | -4.4 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.9154 | 0.8385 | | 45800 | 50000 | -8.4 | 20.0 |
| Chrysene | Ave | 1.020 | 1.029 | | 50400 | 50000 | 0.8 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17486/2  Calibration Date: 09/20/2009 04:34

Instrument ID: BNAMS11  Calib Start Date: 09/14/2009 09:46

GC Column: Rtx-5MS  ID: 0.25(mm)  Calib End Date: 09/14/2009 12:48

Lab File ID: z3985.d  Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | Ave | 1.987 | 1.670 | | 42000 | 50000 | -16.0 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.200 | 1.165 | | 48500 | 50000 | -2.9 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.312 | 1.303 | | 49600 | 50000 | -0.7 | 20.0 |
| Benzo[a]pyrene | Ave | 0.9710 | 1.012 | | 52100 | 50000 | 4.3 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 0.7496 | 0.8855 | | 59100 | 50000 | 18.1 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.7595 | 0.8939 | | 58800 | 50000 | 17.7 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 0.7511 | 0.9207 | | 61300 | 50000 | 22.6* | 20.0 |
| 2-Fluorophenol | Ave | 1.454 | 1.346 | | 46300 | 50000 | -7.5 | 20.0 |
| Phenol-d5 | Ave | 1.718 | 1.462 | | 42600 | 50000 | -14.9 | 20.0 |
| Nitrobenzene-d5 | Ave | 0.4163 | 0.3847 | | 46200 | 50000 | -7.6 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.441 | 1.341 | | 46500 | 50000 | -6.9 | 20.0 |
| 2,4,6-Tribromophenol | Ave | 0.1359 | 0.1370 | | 50400 | 50000 | 0.8 | 20.0 |
| Terphenyl-d14 | Ave | 1.180 | 1.094 | | 46300 | 50000 | -7.3 | 20.0 |

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3985.d
Report Date: 20-Sep-2009 05:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3985.d
Lab Smp Id: CCIS-154120
Inj Date : 20-SEP-2009 04:34
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : CCIS-154120
Misc Info : 50ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/20sep09.b/8270C_08SP.m
Meth Date : 20-Sep-2009 05:35 asfawa Quant Type: ISTD
Cal Date : 20-SEP-2009 04:34 Cal File: z3985.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 106 | 1,4-Dioxane | 88 | 1.728 | 1.728 | (0.392) | 239803 | 50.0000 | 49 |
| 19 | N-Nitrosodimethylamine | 74 | 1.958 | 1.958 | (0.444) | 326249 | 50.0000 | 46 |
| 71 | Pyridine | 79 | 1.987 | 1.987 | (0.451) | 570935 | 50.0000 | 46 |
| $ 16 | 2-Fluorophenol (SUR) | 112 | 3.122 | 3.122 | (0.708) | 526561 | 50.0000 | 46 |
| 110 | Benzaldehyde | 77 | 3.969 | 3.969 | (0.900) | 300329 | 50.0000 | 52 |
| $ 17 | Phenol-d5 (SUR) | 99 | 4.051 | 4.051 | (0.919) | 572156 | 50.0000 | 42 |
| 1 | Phenol | 94 | 4.069 | 4.069 | (0.923) | 648693 | 50.0000 | 45 |
| 73 | Aniline | 93 | 4.081 | 4.081 | (0.925) | 780819 | 50.0000 | 42 |
| 20 | bis(2-Chloroethyl)ether | 93 | 4.146 | 4.146 | (0.940) | 535064 | 50.0000 | 41 |
| 2 | 2-Chlorophenol | 128 | 4.204 | 4.204 | (0.953) | 544730 | 50.0000 | 46 |
| 113 | n-decane | 43 | 4.251 | 4.251 | (0.964) | 476129 | 50.0000 | 48 |
| 21 | 1,3-Dichlorobenzene | 146 | 4.357 | 4.357 | (0.988) | 648121 | 50.0000 | 47 |
| * 79 | 1,4-Dichlorobenzene-d4 | 152 | 4.410 | 4.410 | (1.000) | 313057 | 40.0000 | |
| 22 | 1,4-Dichlorobenzene | 146 | 4.428 | 4.428 | (1.004) | 645465 | 50.0000 | 48 |
| 74 | Benzyl Alcohol | 108 | 4.551 | 4.551 | (1.032) | 331448 | 50.0000 | 42 |

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3985.d
Report Date: 20-Sep-2009 05:35

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | ========== | ==== | == | ====== | ====== | ======== | ======= | ======= |
| | 23 1,2-Dichlorobenzene | 146 | 4.581 | 4.581 | (1.039) | 602334 | 50.0000 | 46 |
| | 3 2-Methylphenol | 108 | 4.669 | 4.669 | (1.059) | 429374 | 50.0000 | 41 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.681 | 4.681 | (1.061) | 576192 | 50.0000 | 42 |
| | 104 Acetophenone | 105 | 4.822 | 4.822 | (1.093) | 622233 | 50.0000 | 51 |
| | 4 4-Methylphenol | 108 | 4.822 | 4.822 | (1.093) | 451250 | 50.0000 | 49 |
| | 124 3 & 4 methylphenol | 108 | 4.822 | 4.822 | (1.093) | 451250 | 50.0000 | 49 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.822 | 4.822 | (1.093) | 307012 | 50.0000 | 45 |
| | 26 Hexachloroethane | 117 | 4.922 | 4.922 | (1.116) | 255347 | 50.0000 | 49 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.969 | 4.969 | (0.873) | 521274 | 50.0000 | 46 |
| | 27 Nitrobenzene | 77 | 4.993 | 4.993 | (0.877) | 710715 | 50.0000 | 51 |
| | 107 N,N-Dimethylaniline | 120 | 4.993 | 4.993 | (1.132) | 774266 | 50.0000 | 47 |
| | 28 Isophorone | 82 | 5.228 | 5.228 | (0.918) | 895137 | 50.0000 | 43 |
| | 5 2-Nitrophenol | 139 | 5.310 | 5.310 | (0.933) | 275989 | 50.0000 | 51 |
| | 6 2,4-Dimethylphenol | 122 | 5.357 | 5.357 | (0.941) | 412338 | 50.0000 | 45 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.446 | 5.446 | (0.957) | 539537 | 50.0000 | 45 |
| | 15 Benzoic Acid | 122 | 5.487 | 5.487 | (0.964) | 189570 | 50.0000 | 63 |
| | 7 2,4-Dichlorophenol | 162 | 5.557 | 5.557 | (0.976) | 364422 | 50.0000 | 45 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.634 | 5.634 | (0.990) | 454856 | 50.0000 | 48 |
| * | 80 Naphthalene-d8 | 136 | 5.693 | 5.693 | (1.000) | 1084114 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.716 | 5.716 | (1.004) | 1445204 | 50.0000 | 47 |
| | 32 4-Chloroaniline | 127 | 5.769 | 5.769 | (1.013) | 559601 | 50.0000 | 50 |
| | 33 Hexachlorobutadiene | 225 | 5.845 | 5.845 | (1.027) | 264807 | 50.0000 | 48 |
| | 111 Caprolactam | 113 | 6.145 | 6.145 | (1.080) | 116113 | 50.0000 | 43 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.269 | 6.269 | (1.101) | 381478 | 50.0000 | 47 |
| | 34 2-Methylnaphthalene | 142 | 6.410 | 6.410 | (1.126) | 873249 | 50.0000 | 45 |
| | 120 1-Methylnaphthalene | 142 | 6.510 | 6.510 | (1.144) | 833859 | 50.0000 | 45 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.575 | 6.575 | (0.883) | 268066 | 50.0000 | 50 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.616 | 6.616 | (1.162) | 554147 | 50.0000 | 43 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.698 | 6.698 | (0.900) | 240043 | 50.0000 | 48 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.740 | 6.740 | (0.905) | 240966 | 50.0000 | 50 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.775 | 6.775 | (0.910) | 867917 | 50.0000 | 46 |
| | 102 Diphenyl | 154 | 6.875 | 6.875 | (0.923) | 993530 | 50.0000 | 47 |
| | 36 2-Chloronaphthalene | 162 | 6.898 | 6.898 | (0.927) | 795390 | 50.0000 | 49 |
| | 103 Diphenyl Ether | 170 | 6.981 | 6.981 | (0.938) | 541463 | 50.0000 | 46 |
| | 37 2-Nitroaniline | 65 | 6.998 | 6.998 | (0.940) | 238769 | 50.0000 | 40 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.116 | 7.116 | (0.956) | 631860 | 50.0000 | 47 |
| | 38 Dimethylphthalate | 163 | 7.181 | 7.181 | (0.964) | 786675 | 50.0000 | 48 |
| | 114 Coumarin | 146 | 7.204 | 7.204 | (0.968) | 252032 | 50.0000 | 47 |
| | 40 2,6-Dinitrotoluene | 165 | 7.240 | 7.240 | (0.972) | 182246 | 50.0000 | 50 |
| | 39 Acenaphthylene | 152 | 7.310 | 7.310 | (0.982) | 1227932 | 50.0000 | 47 |
| | 41 3-Nitroaniline | 138 | 7.410 | 7.410 | (0.995) | 187790 | 50.0000 | 50 |
| * | 82 Acenaphthene-d10 | 164 | 7.445 | 7.445 | (1.000) | 517642 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.481 | 7.481 | (1.005) | 693264 | 50.0000 | 45 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.469 | 7.469 | (1.003) | 607555 | 50.0000 | 45 |
| | 11 2,4-Dinitrophenol | 184 | 7.504 | 7.504 | (1.008) | 74436 | 50.0000 | 60 |
| | 12 4-Nitrophenol | 65 | 7.581 | 7.581 | (1.018) | 126697 | 50.0000 | 49 |
| | 44 2,4-Dinitrotoluene | 165 | 7.634 | 7.634 | (1.025) | 221567 | 50.0000 | 49 |

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3985.d
Report Date: 20-Sep-2009 05:35

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 Dibenzofuran | 168 | 7.651 | 7.651 | (1.028) | 1001283 | 50.0000 | 46 |
| | 45 Diethylphthalate | 149 | 7.881 | 7.881 | (1.058) | 754929 | 50.0000 | 47 |
| | 47 Fluorene | 166 | 7.992 | 7.992 | (1.073) | 772771 | 50.0000 | 48(H) |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.987 | 7.987 | (1.073) | 363566 | 50.0000 | 47(H) |
| | 48 4-Nitroaniline | 138 | 8.016 | 8.016 | (1.077) | 159768 | 50.0000 | 55(H) |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 8.039 | 8.039 | (0.902) | 93044 | 50.0000 | 54 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.104 | 8.104 | (0.909) | 472641 | 50.0000 | 45 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.145 | 8.145 | (0.914) | 889681 | 50.0000 | 45 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.228 | 8.228 | (1.105) | 88660 | 50.0000 | 50(H) |
| | 50 4-Bromophenyl-phenylether | 248 | 8.469 | 8.469 | (0.950) | 204333 | 50.0000 | 48 |
| | 51 Hexachlorobenzene | 284 | 8.539 | 8.539 | (0.958) | 192306 | 50.0000 | 48 |
| | 112 Atrazine | 200 | 8.634 | 8.634 | (0.968) | 149822 | 50.0000 | 46 |
| | 14 Pentachlorophenol | 266 | 8.734 | 8.734 | (0.980) | 96208 | 50.0000 | 48 |
| | 115 n-Octadecane | 57 | 8.810 | 8.810 | (0.988) | 446359 | 50.0000 | 41 |
| * | 83 Phenanthrene-d10 | 188 | 8.916 | 8.916 | (1.000) | 646631 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.939 | 8.939 | (1.003) | 927895 | 50.0000 | 48 |
| | 53 Anthracene | 178 | 8.986 | 8.986 | (1.008) | 953467 | 50.0000 | 49 |
| | 54 Carbazole | 167 | 9.145 | 9.145 | (1.026) | 732926 | 50.0000 | 47 |
| | 55 Di-n-butylphthalate | 149 | 9.486 | 9.486 | (1.064) | 961014 | 50.0000 | 47 |
| | 56 Fluoranthene | 202 | 10.110 | 10.110 | (1.134) | 768592 | 50.0000 | 48 |
| | 58 Benzidine | 184 | 10.239 | 10.239 | (1.148) | 78938 | 50.0000 | 35 |
| | 57 Pyrene | 202 | 10.339 | 10.339 | (0.884) | 746881 | 50.0000 | 46 |
| $ | 78 Terphenyl-d14 | 244 | 10.492 | 10.492 | (0.897) | 469503 | 50.0000 | 46 |
| | 59 Butylbenzylphthalate | 149 | 11.022 | 11.022 | (0.942) | 291891 | 50.0000 | 47 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 11.133 | 11.133 | (0.952) | 785 | 0.50000 | 0.48(a) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.651 | 11.651 | (0.996) | 132037 | 50.0000 | 55 |
| | 61 Benzo(a)anthracene | 228 | 11.686 | 11.686 | (0.999) | 479069 | 50.0000 | 48 |
| * | 81 Chrysene-d12 | 240 | 11.698 | 11.698 | (1.000) | 343420 | 40.0000 | |
| | 62 Chrysene | 228 | 11.727 | 11.727 | (1.002) | 441584 | 50.0000 | 50 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.722 | 11.722 | (1.002) | 359931 | 50.0000 | 46 |
| | 64 Di-n-octylphthalate | 149 | 12.586 | 12.586 | (0.924) | 482138 | 50.0000 | 42 |
| | 65 Benzo(b)fluoranthene | 252 | 13.104 | 13.104 | (0.962) | 336456 | 50.0000 | 48 |
| | 66 Benzo(k)fluoranthene | 252 | 13.139 | 13.139 | (0.964) | 376118 | 50.0000 | 50 |
| | 67 Benzo(a)pyrene | 252 | 13.551 | 13.551 | (0.994) | 292301 | 50.0000 | 52 |
| * | 84 Perylene-d12 | 264 | 13.627 | 13.627 | (1.000) | 231005 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.174 | 15.174 | (1.114) | 255690 | 50.0000 | 59(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.210 | 15.210 | (1.116) | 258121 | 50.0000 | 59 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.604 | 15.604 | (1.145) | 265865 | 50.0000 | 61 |

QC Flag Legend

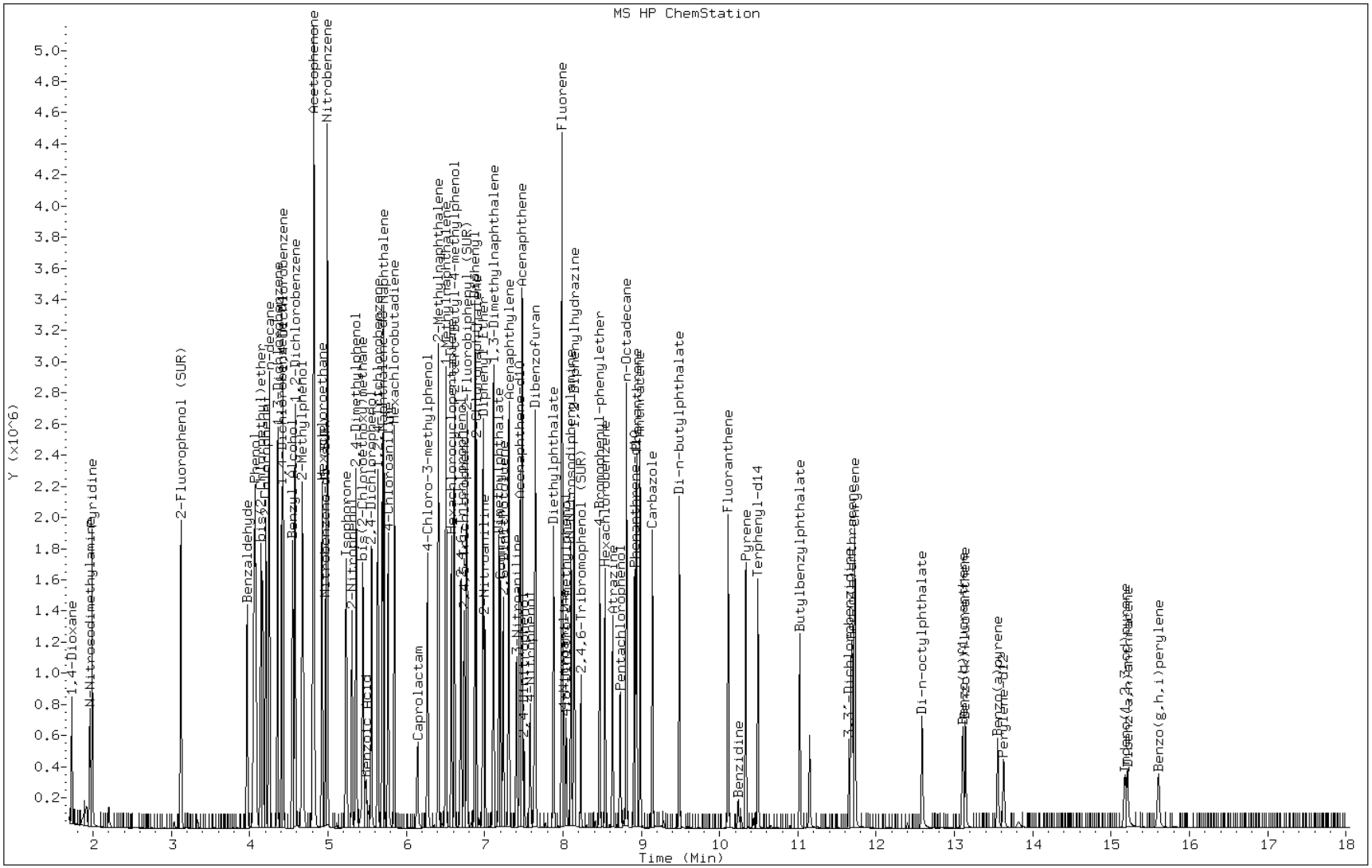
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z3985.d

Date: 20-SEP-2009 04:34

Client ID: Instrument: BNAMS11.i

Sample Info: CCIS-154120 Operator: BNAMS 4



# Manual Integration Report

Data File: z3985.d
Inj. Date and Time: 20-SEP-2009 04:34
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

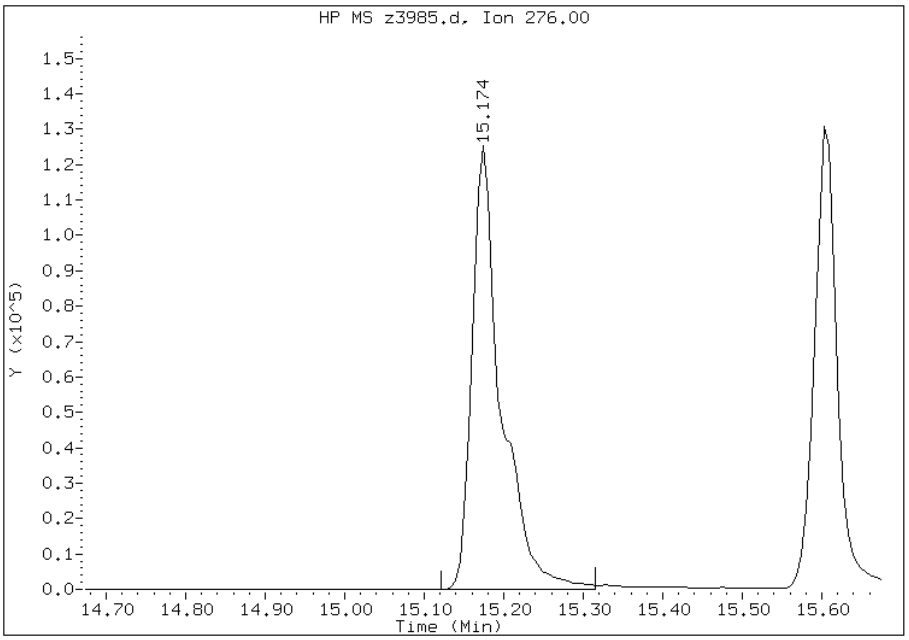
## Processing Integration Results

RT: 15.17

Response: 316009

Amount: 73

Conc: 73



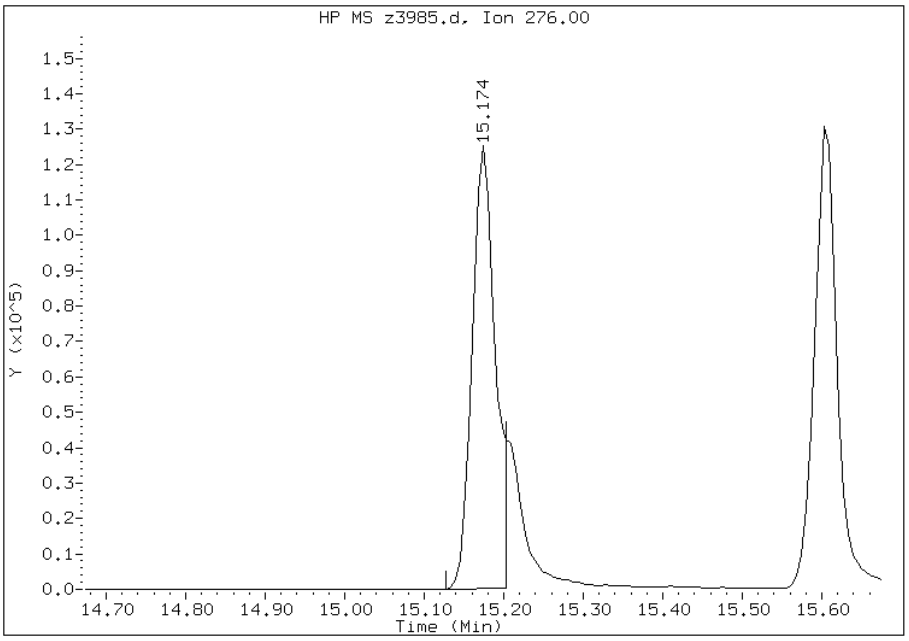

## Manual Integration Results

RT: 15.17

Response: 255690

Amount: 59

Conc: 59




Manually Integrated By: rusin
Manual Integration Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17531/2 Calibration Date: 09/21/2009 15:48

Instrument ID: BNAMS11 Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/21/2009 03:58

Lab File ID: z4035.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | Ave | | 0.0001 | | 10.0 | 50000 | | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.8191 | 0.8317 | | 50800 | 50000 | 1.5 | 20.0 |
| Pyridine | Ave | 1.471 | 1.462 | | 49700 | 50000 | -0.6 | 20.0 |
| Benzaldehyde | Ave | 0.6558 | 0.7919 | | 60400 | 50000 | 20.8* | 20.0 |
| Phenol | Ave | 1.643 | 1.596 | | 48600 | 50000 | -2.8 | 20.0 |
| Aniline | Ave | 1.951 | 1.938 | | 49700 | 50000 | -0.7 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.396 | 1.353 | | 48500 | 50000 | -3.1 | 20.0 |
| 2-Chlorophenol | Ave | 1.420 | 1.387 | | 48800 | 50000 | -2.3 | 20.0 |
| n-Decane | Ave | 1.222 | 1.156 | | 47300 | 50000 | -5.4 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.680 | 1.678 | | 49900 | 50000 | -0.1 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.677 | 1.645 | | 49000 | 50000 | -1.9 | 20.0 |
| Benzyl alcohol | Ave | 0.8224 | 0.8196 | | 49800 | 50000 | -0.4 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.564 | 1.532 | | 49000 | 50000 | -2.0 | 20.0 |
| 2-Methylphenol | Ave | 1.147 | 1.076 | | 46900 | 50000 | -6.2 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | QuaF | 1.454 | 1.361 | | 49800 | 50000 | -0.3 | 20.0 |
| Acetophenone | Ave | 1.700 | 1.546 | | 45500 | 50000 | -9.1 | 20.0 |
| 3 & 4 Methylphenol | LinF | 1.206 | 1.108 | | 54200 | 50000 | 8.4 | 20.0 |
| 4-Methylphenol | LinF | 1.206 | 1.108 | | 54200 | 50000 | 8.4 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.8406 | 0.7709 | 0.0500 | 45900 | 50000 | -8.3 | 20.0 |
| Hexachloroethane | Ave | 0.6473 | 0.6532 | | 50500 | 50000 | 0.9 | 20.0 |
| n,n'-Dimethylaniline | Ave | 2.103 | 1.934 | | 46000 | 50000 | -8.0 | 20.0 |
| Nitrobenzene | Ave | 0.5286 | 0.5109 | | 48300 | 50000 | -3.3 | 20.0 |
| Isophorone | Ave | 0.6560 | 0.6435 | | 49000 | 50000 | -1.9 | 20.0 |
| 2-Nitrophenol | Ave | 0.1994 | 0.2019 | | 50600 | 50000 | 1.2 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.3082 | 0.2988 | | 48500 | 50000 | -3.1 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.3984 | 0.3958 | | 49700 | 50000 | -0.6 | 20.0 |
| Benzoic acid | Ave | 0.1203 | 0.1242 | | 51600 | 50000 | 3.3 | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.2737 | 0.2648 | | 48400 | 50000 | -3.3 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3430 | 0.3378 | | 49200 | 50000 | -1.5 | 20.0 |
| Naphthalene | Ave | 1.080 | 1.056 | | 48900 | 50000 | -2.2 | 20.0 |
| 4-Chloroaniline | Ave | 0.4046 | 0.3892 | | 48100 | 50000 | -3.8 | 20.0 |
| Hexachlorobutadiene | Ave | 0.2037 | 0.2027 | | 49800 | 50000 | -0.5 | 20.0 |
| Caprolactam | Ave | 0.0786 | 0.0738 | | 47000 | 50000 | -6.1 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.2751 | 0.2612 | | 47500 | 50000 | -5.0 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6508 | 0.6237 | | 47900 | 50000 | -4.2 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6338 | 0.5897 | | 46500 | 50000 | -7.0 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.4047 | 0.4562 | 0.0500 | 56400 | 50000 | 12.7 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4276 | 0.3928 | | 45900 | 50000 | -8.1 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3790 | 0.3822 | | 50400 | 50000 | 0.8 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3749 | 0.3717 | | 49600 | 50000 | -0.9 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.583 | 1.582 | | 50000 | 50000 | 0.1 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17531/2 Calibration Date: 09/21/2009 15:48

Instrument ID: BNAMS11 Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/21/2009 03:58

Lab File ID: z4035.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloronaphthalene | Ave | 1.263 | 1.252 | | 49600 | 50000 | -0.9 | 20.0 |
| Phenyl ether | Ave | 0.8700 | 0.8597 | | 49400 | 50000 | -1.2 | 20.0 |
| 2-Nitroaniline | Ave | 0.3947 | 0.4314 | | 54700 | 50000 | 9.3 | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 1.008 | 0.9973 | | 49500 | 50000 | -1.0 | 20.0 |
| Dimethyl phthalate | Ave | 1.237 | 1.188 | | 48000 | 50000 | -4.0 | 20.0 |
| Coumarin | Ave | 0.3895 | 0.3717 | | 47700 | 50000 | -4.6 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2754 | 0.2781 | | 50500 | 50000 | 1.0 | 20.0 |
| Acenaphthylene | Ave | 1.911 | 1.898 | | 49700 | 50000 | -0.7 | 20.0 |
| 3-Nitroaniline | Ave | 0.2790 | 0.2677 | | 48000 | 50000 | -4.0 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.026 | 0.9729 | | 47400 | 50000 | -5.2 | 20.0 |
| Acenaphthene | Ave | 1.106 | 1.083 | | 49000 | 50000 | -2.1 | 20.0 |
| 2,4-Dinitrophenol | QuaF | 0.1066 | 0.1317 | 0.0500 | 57400 | 50000 | 14.8 | 20.0 |
| 4-Nitrophenol | Ave | 0.1736 | 0.1829 | 0.0500 | 52700 | 50000 | 5.4 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3254 | 0.3202 | | 49200 | 50000 | -1.6 | 20.0 |
| Dibenzofuran | Ave | 1.587 | 1.531 | | 48200 | 50000 | -3.5 | 20.0 |
| Diethyl phthalate | Ave | 1.152 | 1.132 | | 49200 | 50000 | -1.7 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.5834 | 0.5571 | | 47700 | 50000 | -4.5 | 20.0 |
| Fluorene | Ave | 1.199 | 1.166 | | 48600 | 50000 | -2.8 | 20.0 |
| 4-Nitroaniline | Ave | 0.2384 | 0.2309 | | 48400 | 50000 | -3.2 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1127 | 0.1284 | | 57000 | 50000 | 14.0 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6304 | 0.5911 | | 46900 | 50000 | -6.2 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 1.136 | 1.105 | | 48600 | 50000 | -2.8 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2656 | 0.2582 | | 48600 | 50000 | -2.8 | 20.0 |
| Hexachlorobenzene | Ave | 0.2566 | 0.2448 | | 47700 | 50000 | -4.6 | 20.0 |
| Atrazine | Ave | 0.1860 | 0.1857 | | 49900 | 50000 | -0.2 | 20.0 |
| Pentachlorophenol | Ave | 0.1116 | 0.1299 | | 58200 | 50000 | 16.4 | 20.0 |
| n-Octadecane | Ave | 0.5992 | 0.5787 | | 48300 | 50000 | -3.4 | 20.0 |
| Phenanthrene | Ave | 1.154 | 1.145 | | 49600 | 50000 | -0.7 | 20.0 |
| Anthracene | Ave | 1.167 | 1.143 | | 49000 | 50000 | -2.0 | 20.0 |
| Carbazole | Ave | 0.8948 | 0.9029 | | 50500 | 50000 | 0.9 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.165 | 1.216 | | 52200 | 50000 | 4.4 | 20.0 |
| Fluoranthene | Ave | 0.8985 | 0.9503 | | 52900 | 50000 | 5.8 | 20.0 |
| Benzidine | Ave | 0.1368 | 0.0998 | | 36500 | 50000 | -27.0* | 20.0 |
| Pyrene | Ave | 1.800 | 1.628 | | 45200 | 50000 | -9.6 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.6596 | 0.6726 | | 51000 | 50000 | 2.0 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.1561 | 0.1777 | | 569 | 500 | 13.9 | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.2911 | 0.3177 | | 54600 | 50000 | 9.1 | 20.0 |
| Benzo[a]anthracene | Ave | 1.132 | 1.124 | | 49600 | 50000 | -0.8 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.8443 | 0.8555 | | 50700 | 50000 | 1.3 | 20.0 |
| Chrysene | Ave | 1.061 | 1.041 | | 49100 | 50000 | -1.8 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVIS 460-17531/2  Calibration Date: 09/21/2009 15:48

Instrument ID: BNAMS11  Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS  ID: 0.25(mm)  Calib End Date: 09/21/2009 03:58

Lab File ID: z4035.d  Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | Ave | 1.608 | 1.849 | | 57500 | 50000 | 15.0 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.147 | 1.273 | | 55500 | 50000 | 11.0 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.242 | 1.296 | | 52200 | 50000 | 4.4 | 20.0 |
| Benzo[a]pyrene | Ave | 0.9631 | 1.062 | | 55100 | 50000 | 10.2 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 0.8827 | 0.9302 | | 52700 | 50000 | 5.4 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.8632 | 0.9269 | | 53700 | 50000 | 7.4 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 0.8948 | 0.9082 | | 50700 | 50000 | 1.5 | 20.0 |
| 2-Fluorophenol | Ave | 1.370 | 1.354 | | 49400 | 50000 | -1.2 | 20.0 |
| Phenol-d5 | Ave | 1.482 | 1.415 | | 47800 | 50000 | -4.5 | 20.0 |
| Nitrobenzene-d5 | Ave | 0.3792 | 0.3858 | | 50900 | 50000 | 1.7 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.409 | 1.396 | | 49500 | 50000 | -0.9 | 20.0 |
| 2,4,6-Tribromophenol | Ave | 0.1373 | 0.1351 | | 49200 | 50000 | -1.6 | 20.0 |
| Terphenyl-d14 | Ave | 1.151 | 1.046 | | 45400 | 50000 | -9.1 | 20.0 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/z4035.d
Report Date: 21-Sep-2009 16:34

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/z4035.d
Lab Smp Id: CCVIS-154120
Inj Date : 21-SEP-2009 15:48
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : CCVIS-154120
Misc Info : 50ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/8270C_08SP.m
Meth Date : 21-Sep-2009 16:34 croccom Quant Type: ISTD
Cal Date : 21-SEP-2009 15:48 Cal File: z4035.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.916 | 1.916 | (0.443) | 463442 | 50.0000 | 51 |
| | 71 Pyridine | 79 | 1.940 | 1.940 | (0.448) | 814464 | 50.0000 | 50 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.045 | 3.045 | (0.704) | 754229 | 50.0000 | 49 |
| | 110 Benzaldehyde | 77 | 3.887 | 3.887 | (0.898) | 441262 | 50.0000 | 60 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.981 | 3.981 | (0.920) | 788548 | 50.0000 | 48 |
| | 1 Phenol | 94 | 3.992 | 3.992 | (0.923) | 889513 | 50.0000 | 48 |
| | 73 Aniline | 93 | 4.004 | 4.004 | (0.925) | 1079992 | 50.0000 | 50 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.069 | 4.069 | (0.940) | 753711 | 50.0000 | 48 |
| | 2 2-Chlorophenol | 128 | 4.128 | 4.128 | (0.954) | 772708 | 50.0000 | 49 |
| | 113 n-decane | 43 | 4.175 | 4.175 | (0.965) | 644087 | 50.0000 | 47 |
| | 21 1,3-Dichlorobenzene | 146 | 4.275 | 4.275 | (0.988) | 934806 | 50.0000 | 50 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.328 | 4.328 | (1.000) | 445771 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.345 | 4.345 | (1.004) | 916760 | 50.0000 | 49 |
| | 74 Benzyl Alcohol | 108 | 4.475 | 4.475 | (1.034) | 456667 | 50.0000 | 50 |
| | 23 1,2-Dichlorobenzene | 146 | 4.498 | 4.498 | (1.039) | 853851 | 50.0000 | 49 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/z4035.d
Report Date: 21-Sep-2009 16:34

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| 3 | 2-Methylphenol | 108 | 4.592 | 4.592 | (1.061) | 599732 | 50.0000 | 47 |
| 24 | bis (2-chloroisopropyl) ether | 45 | 4.604 | 4.604 | (1.064) | 758443 | 50.0000 | 50 |
| 104 | Acetophenone | 105 | 4.745 | 4.745 | (1.096) | 861391 | 50.0000 | 45 |
| 4 | 4-Methylphenol | 108 | 4.751 | 4.751 | (1.098) | 617152 | 50.0000 | 54 |
| 124 | 3 & 4 methylphenol | 108 | 4.751 | 4.751 | (1.098) | 617152 | 50.0000 | 54 |
| 25 | N-Nitroso-di-n-propylamine | 70 | 4.751 | 4.751 | (1.098) | 429536 | 50.0000 | 46(M) |
| 26 | Hexachloroethane | 117 | 4.839 | 4.839 | (1.118) | 363996 | 50.0000 | 50 |
| $ 76 | Nitrobenzene-d5 (SUR) | 82 | 4.892 | 4.892 | (0.872) | 728959 | 50.0000 | 51 |
| 27 | Nitrobenzene | 77 | 4.916 | 4.916 | (0.876) | 965456 | 50.0000 | 48 |
| 107 | N,N-Dimethylaniline | 120 | 4.916 | 4.916 | (1.136) | 1077852 | 50.0000 | 46 |
| 28 | Isophorone | 82 | 5.157 | 5.157 | (0.919) | 1216025 | 50.0000 | 49 |
| 5 | 2-Nitrophenol | 139 | 5.228 | 5.228 | (0.932) | 381501 | 50.0000 | 51 |
| 6 | 2,4-Dimethylphenol | 122 | 5.281 | 5.281 | (0.941) | 564624 | 50.0000 | 48 |
| 29 | bis(2-Chloroethoxy)methane | 93 | 5.369 | 5.369 | (0.957) | 747954 | 50.0000 | 50 |
| 15 | Benzoic Acid | 122 | 5.434 | 5.434 | (0.969) | 234747 | 50.0000 | 52(M) |
| 7 | 2,4-Dichlorophenol | 162 | 5.475 | 5.475 | (0.976) | 500325 | 50.0000 | 48 |
| 30 | 1,2,4-Trichlorobenzene | 180 | 5.557 | 5.557 | (0.991) | 638280 | 50.0000 | 49 |
| * 80 | Naphthalene-d8 | 136 | 5.610 | 5.610 | (1.000) | 1511794 | 40.0000 | |
| 31 | Naphthalene | 128 | 5.634 | 5.634 | (1.004) | 1995166 | 50.0000 | 49 |
| 32 | 4-Chloroaniline | 127 | 5.692 | 5.692 | (1.015) | 735553 | 50.0000 | 48 |
| 33 | Hexachlorobutadiene | 225 | 5.763 | 5.763 | (1.027) | 383093 | 50.0000 | 50 |
| 111 | Caprolactam | 113 | 6.081 | 6.081 | (1.084) | 139446 | 50.0000 | 47 |
| 8 | 4-Chloro-3-methylphenol | 107 | 6.192 | 6.192 | (1.104) | 493587 | 50.0000 | 47 |
| 34 | 2-Methylnaphthalene | 142 | 6.328 | 6.328 | (1.128) | 1178712 | 50.0000 | 48 |
| 120 | 1-Methylnaphthalene | 142 | 6.428 | 6.428 | (1.146) | 1114310 | 50.0000 | 46 |
| 35 | Hexachlorocyclopentadiene | 237 | 6.492 | 6.492 | (0.882) | 380927 | 50.0000 | 56 |
| 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.539 | 6.539 | (1.166) | 742348 | 50.0000 | 46 |
| 9 | 2,4,6-Trichlorophenol | 196 | 6.616 | 6.616 | (0.899) | 319172 | 50.0000 | 50 |
| 10 | 2,4,5-Trichlorophenol | 196 | 6.657 | 6.657 | (0.904) | 310352 | 50.0000 | 50 |
| $ 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.698 | 6.698 | (0.910) | 1165515 | 50.0000 | 50 |
| 102 | Diphenyl | 154 | 6.792 | 6.792 | (0.922) | 1320901 | 50.0000 | 50 |
| 36 | 2-Chloronaphthalene | 162 | 6.816 | 6.816 | (0.926) | 1045574 | 50.0000 | 50 |
| 103 | Diphenyl Ether | 170 | 6.898 | 6.898 | (0.937) | 717935 | 50.0000 | 49 |
| 37 | 2-Nitroaniline | 65 | 6.916 | 6.916 | (0.939) | 360267 | 50.0000 | 55 |
| 123 | 1,3-Dimethylnaphthalene | 156 | 7.033 | 7.033 | (0.955) | 832803 | 50.0000 | 49 |
| 38 | Dimethylphthalate | 163 | 7.104 | 7.104 | (0.965) | 991794 | 50.0000 | 48 |
| 114 | Coumarin | 146 | 7.122 | 7.122 | (0.967) | 310420 | 50.0000 | 48 |
| 40 | 2,6-Dinitrotoluene | 165 | 7.157 | 7.157 | (0.972) | 232195 | 50.0000 | 50 |
| 39 | Acenaphthylene | 152 | 7.222 | 7.222 | (0.981) | 1585062 | 50.0000 | 50 |
| 41 | 3-Nitroaniline | 138 | 7.328 | 7.328 | (0.995) | 223580 | 50.0000 | 48 |
| * 82 | Acenaphthene-d10 | 164 | 7.363 | 7.363 | (1.000) | 668050 | 40.0000 | |
| 42 | Acenaphthene | 154 | 7.398 | 7.398 | (1.005) | 904398 | 50.0000 | 49 |
| 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.392 | 7.392 | (1.004) | 812467 | 50.0000 | 47 |
| 11 | 2,4-Dinitrophenol | 184 | 7.422 | 7.422 | (1.008) | 109969 | 50.0000 | 57 |
| 12 | 4-Nitrophenol | 65 | 7.498 | 7.498 | (1.018) | 152763 | 50.0000 | 53 |
| 44 | 2,4-Dinitrotoluene | 165 | 7.551 | 7.551 | (1.026) | 267400 | 50.0000 | 49 |
| 43 | Dibenzofuran | 168 | 7.569 | 7.569 | (1.028) | 1278363 | 50.0000 | 48 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/z4035.d
Report Date: 21-Sep-2009 16:34

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.798 | 7.798 | (1.059) | 945611 | 50.0000 | 49 |
| | 47 Fluorene | 166 | 7.904 | 7.904 | (1.073) | 973603 | 50.0000 | 49 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.904 | 7.904 | (1.073) | 465203 | 50.0000 | 48 |
| | 48 4-Nitroaniline | 138 | 7.928 | 7.928 | (1.077) | 192780 | 50.0000 | 48 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.957 | 7.957 | (0.901) | 128103 | 50.0000 | 57 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.022 | 8.022 | (0.909) | 589631 | 50.0000 | 47 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.063 | 8.063 | (0.913) | 1101859 | 50.0000 | 49 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.145 | 8.145 | (1.106) | 112835 | 50.0000 | 49 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.386 | 8.386 | (0.950) | 257570 | 50.0000 | 49 |
| | 51 Hexachlorobenzene | 284 | 8.451 | 8.451 | (0.957) | 244221 | 50.0000 | 48 |
| | 112 Atrazine | 200 | 8.551 | 8.551 | (0.969) | 185187 | 50.0000 | 50 |
| | 14 Pentachlorophenol | 266 | 8.645 | 8.645 | (0.979) | 129549 | 50.0000 | 58 |
| | 115 n-Octadecane | 57 | 8.727 | 8.727 | (0.989) | 577238 | 50.0000 | 48 |
| * | 83 Phenanthrene-d10 | 188 | 8.827 | 8.827 | (1.000) | 797963 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.851 | 8.851 | (1.003) | 1142072 | 50.0000 | 50 |
| | 53 Anthracene | 178 | 8.898 | 8.898 | (1.008) | 1140574 | 50.0000 | 49 |
| | 54 Carbazole | 167 | 9.057 | 9.057 | (1.026) | 900602 | 50.0000 | 50 |
| | 55 Di-n-butylphthalate | 149 | 9.404 | 9.404 | (1.065) | 1213331 | 50.0000 | 52 |
| | 56 Fluoranthene | 202 | 10.021 | 10.021 | (1.135) | 947908 | 50.0000 | 53 |
| | 58 Benzidine | 184 | 10.145 | 10.145 | (1.149) | 99555 | 50.0000 | 36 |
| | 57 Pyrene | 202 | 10.245 | 10.245 | (0.884) | 928674 | 50.0000 | 45 |
| $ | 78 Terphenyl-d14 | 244 | 10.398 | 10.398 | (0.897) | 596527 | 50.0000 | 45 |
| | 59 Butylbenzylphthalate | 149 | 10.921 | 10.921 | (0.943) | 383723 | 50.0000 | 51 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 11.033 | 11.033 | (0.952) | 1014 | 0.50000 | 0.57 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.545 | 11.545 | (0.996) | 181232 | 50.0000 | 54 |
| | 61 Benzo(a)anthracene | 228 | 11.574 | 11.574 | (0.999) | 640939 | 50.0000 | 50 |
| * | 81 Chrysene-d12 | 240 | 11.586 | 11.586 | (1.000) | 456386 | 40.0000 | |
| | 62 Chrysene | 228 | 11.616 | 11.616 | (1.003) | 594053 | 50.0000 | 49 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.616 | 11.616 | (1.003) | 488073 | 50.0000 | 51 |
| | 64 Di-n-octylphthalate | 149 | 12.468 | 12.468 | (0.924) | 695517 | 50.0000 | 58 |
| | 65 Benzo(b)fluoranthene | 252 | 12.974 | 12.974 | (0.962) | 478819 | 50.0000 | 56 |
| | 66 Benzo(k)fluoranthene | 252 | 13.010 | 13.010 | (0.964) | 487434 | 50.0000 | 52 |
| | 67 Benzo(a)pyrene | 252 | 13.415 | 13.415 | (0.994) | 399293 | 50.0000 | 55 |
| * | 84 Perylene-d12 | 264 | 13.492 | 13.492 | (1.000) | 300882 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 14.998 | 14.998 | (1.112) | 349860 | 50.0000 | 53(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.033 | 15.033 | (1.114) | 348594 | 50.0000 | 54 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.415 | 15.415 | (1.143) | 341574 | 50.0000 | 51 |

QC Flag Legend

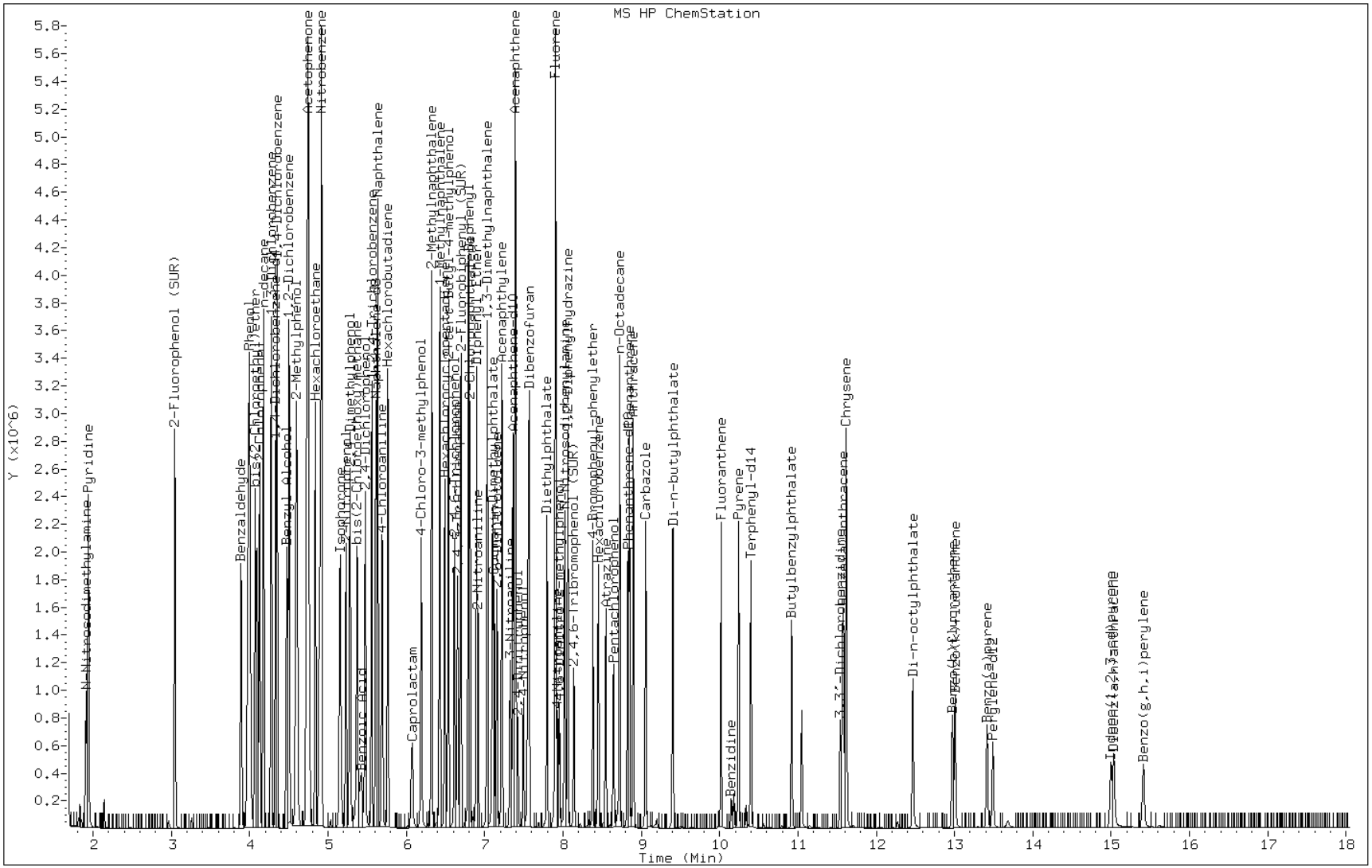
M - Compound response manually integrated.

Data File: z4035.d

Date: 21-SEP-2009 15:48

Client ID: Instrument: BNAMS11.i

Sample Info: CCVIS-154120 Operator: BNAMS 4



# Manual Integration Report

Data File: z4035.d
Inj. Date and Time: 21-SEP-2009 15:48
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/22/2009

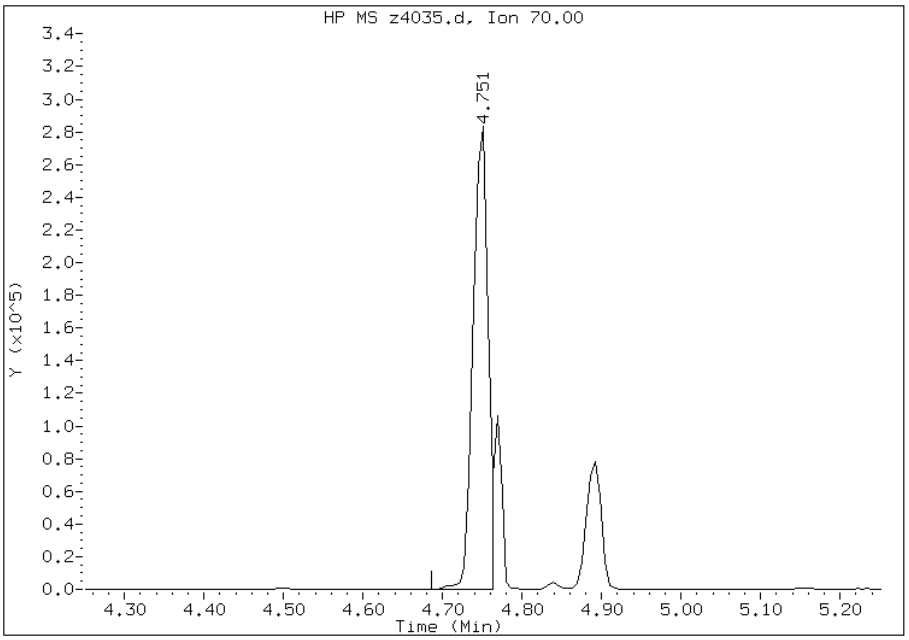
## Processing Integration Results

RT: 4.75

Response: 369659

Amount: 39

Conc: 39



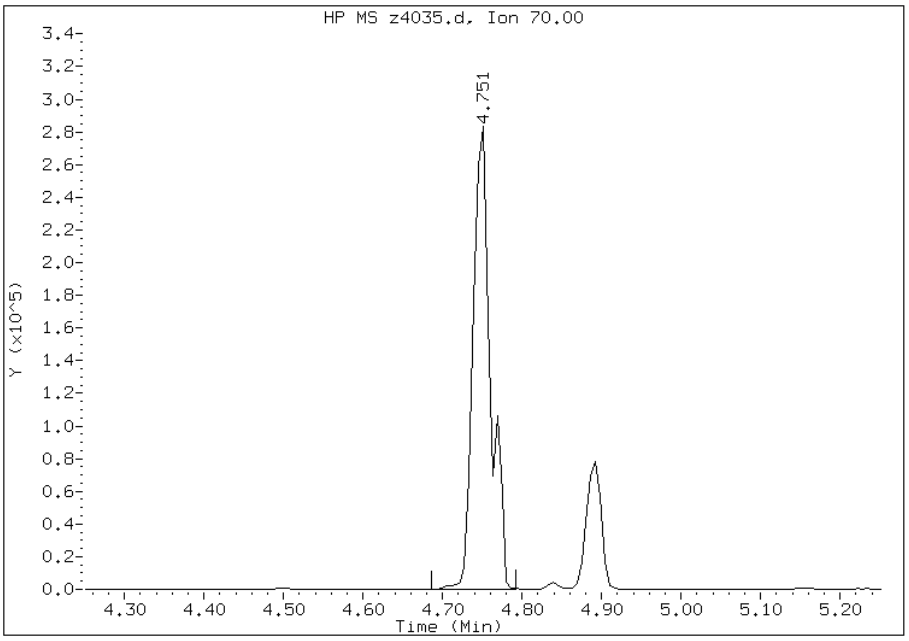

## Manual Integration Results

RT: 4.75

Response: 429536

Amount: 46

Conc: 46




Manually Integrated By: wahied
Manual Integration Reason: Split Peak

# Manual Integration Report

Data File: z4035.d
Inj. Date and Time: 21-SEP-2009 15:48
Instrument ID: BNAMS11.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/22/2009

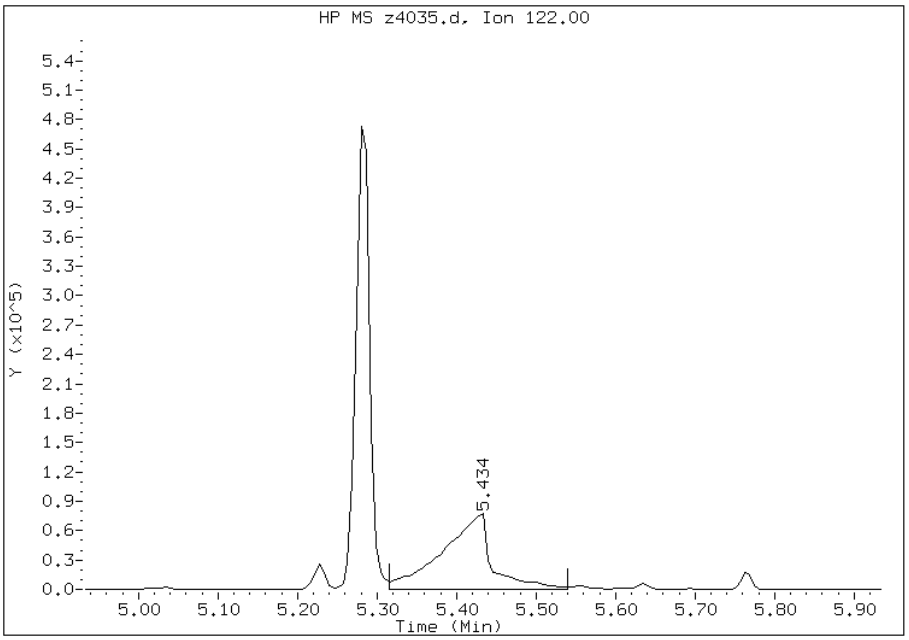
## Processing Integration Results

RT: 5.43

Response: 333362

Amount: 73

Conc: 73



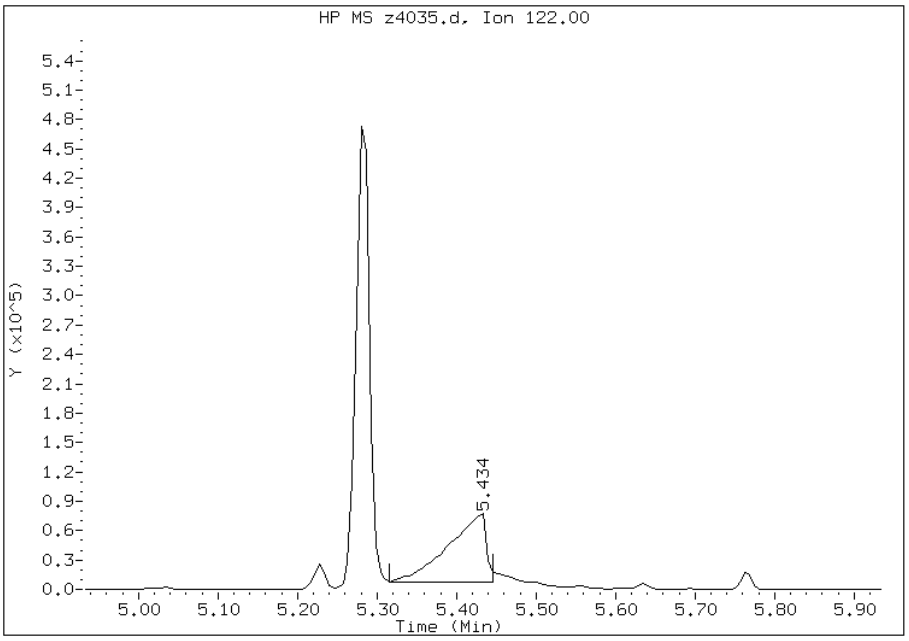

## Manual Integration Results

RT: 5.43

Response: 234747

Amount: 52

Conc: 52




Manually Integrated By: wahied
Manual Integration Reason: Peak Tailing or Fronting

Manual Integration Report

Data File: z4035.d
Inj. Date and Time: 21-SEP-2009 15:48
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/22/2009

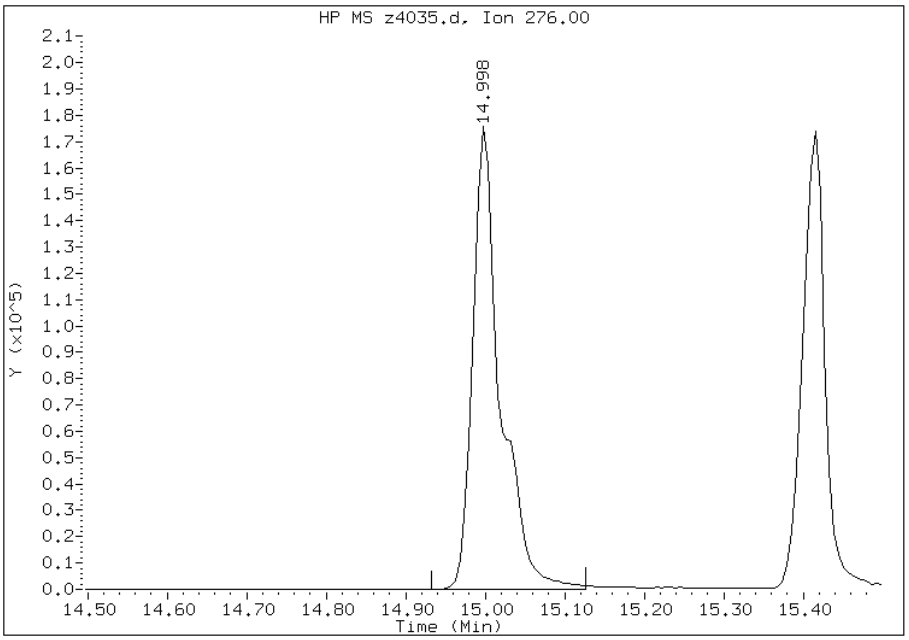
Processing Integration Results

RT: 15.00

Response: 419415

Amount: 63

Conc: 63



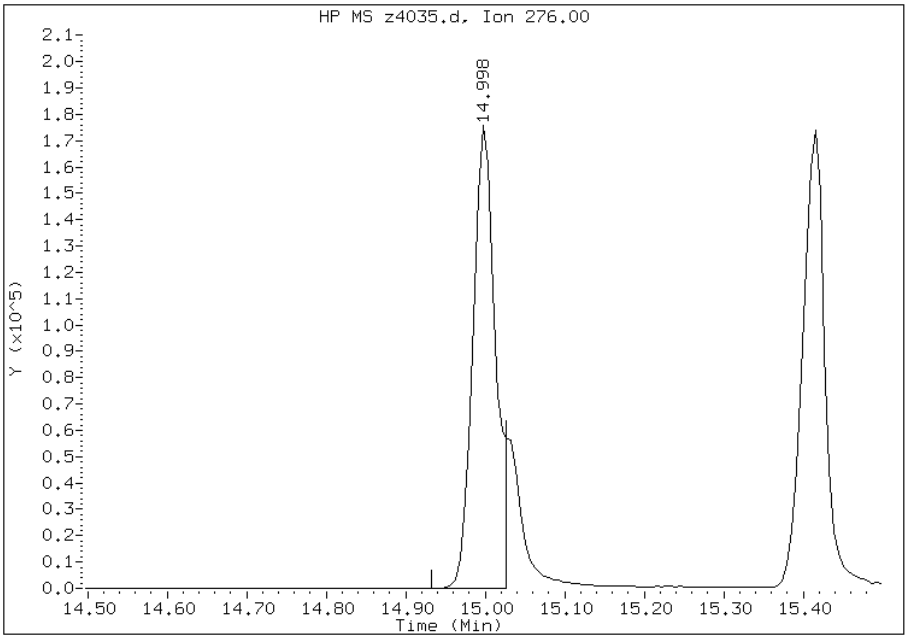

Manual Integration Results

RT: 15.00

Response: 349860

Amount: 53

Conc: 53




Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3791.d
Report Date: 14-Sep-2009 09:22

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3791.d
Lab Smp Id: DFTPP-61180
Inj Date  : 14-SEP-2009 08:55
Operator  : BNA2 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/14sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

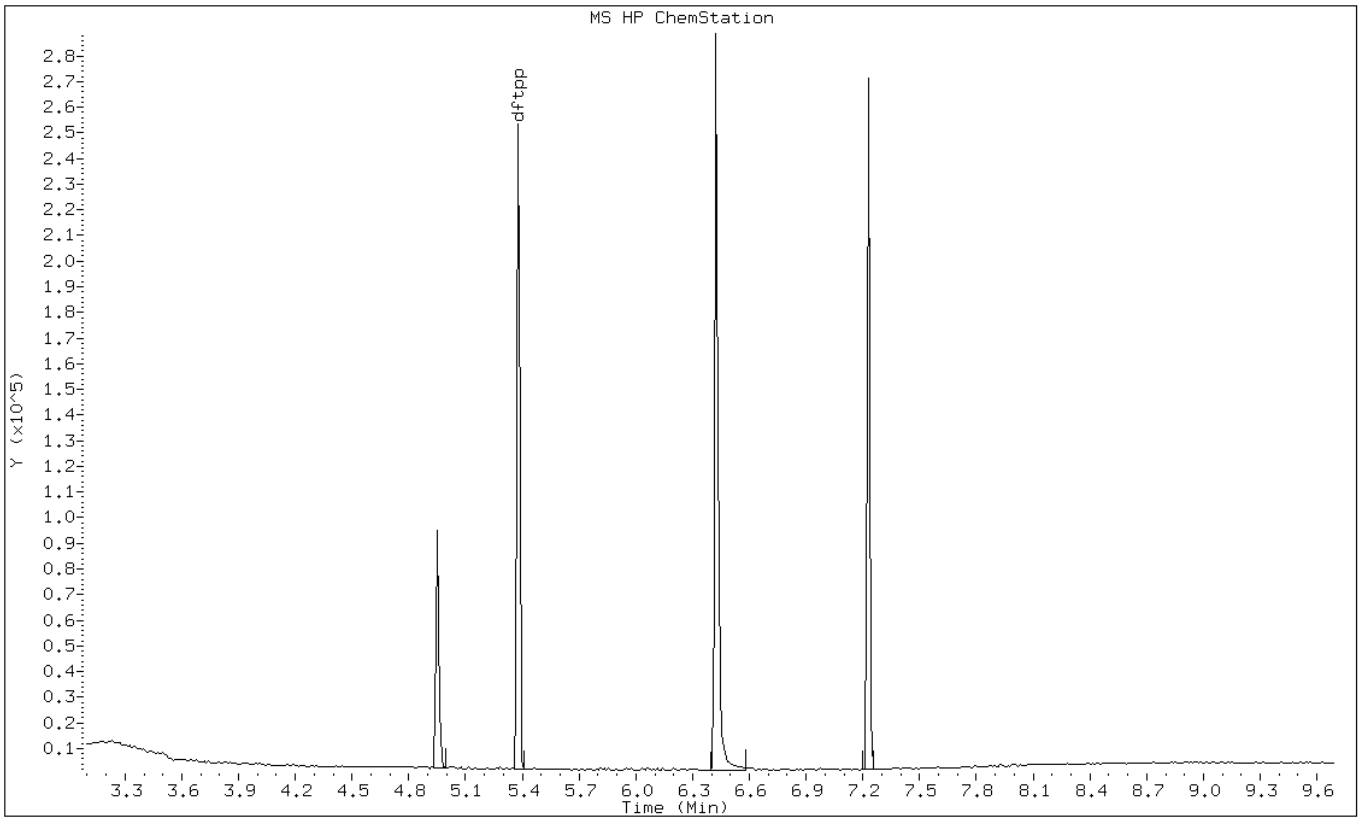
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.377 | 5.377 | 0.000 | 198 | 18560 | | | 0.00- 100.00 | 100.00 |
| 5.377 | 5.377 | 0.000 | 51 | 8174 | | | 30.00- 60.00 | 44.04 |
| 5.377 | 5.377 | 0.000 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.377 | 5.377 | 0.000 | 69 | 7281 | | | 0.00- 0.00 | 39.23 |
| 5.377 | 5.377 | 0.000 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.377 | 5.377 | 0.000 | 127 | 8976 | | | 40.00- 60.00 | 48.36 |
| 5.377 | 5.377 | 0.000 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.377 | 5.377 | 0.000 | 199 | 1195 | | | 5.00- 9.00 | 6.44 |
| 5.377 | 5.377 | 0.000 | 275 | 4073 | | | 10.00- 30.00 | 21.95 |
| 5.377 | 5.377 | 0.000 | 365 | 471 | | | 1.00- 0.00 | 2.54 |
| 5.377 | 5.377 | 0.000 | 441 | 1935 | | | 0.01- 100.00 | 72.64 |
| 5.377 | 5.377 | 0.000 | 442 | 13403 | | | 40.00- 110.00 | 72.21 |
| 5.377 | 5.377 | 0.000 | 443 | 2664 | | | 17.00- 23.00 | 19.88 |

Data File: z3791.d

Date: 14-SEP-2009 08:55

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2



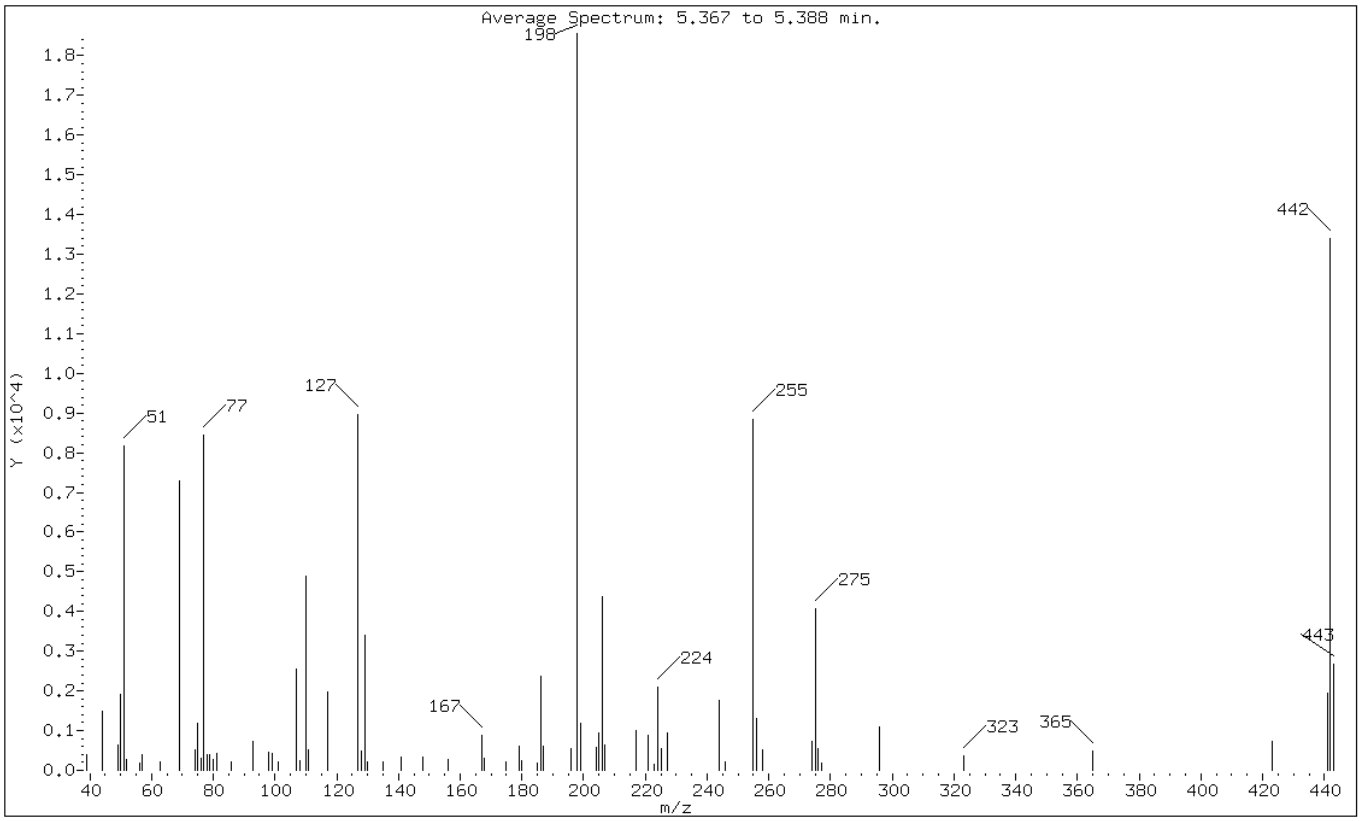
Data File: z3791.d

Date: 14-SEP-2009 08:55

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 44.04 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 39.23 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 48.36 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.44 |
| 275 | 10.00 - 30.00% of mass 198 | 21.95 |
| 365 | Greater than 1.00% of mass 198 | 2.54 |
| 441 | 0.01 - 100.00% of mass 443 | 10.43 ( 72.64) |
| 442 | 40.00 - 110.00% of mass 198 | 72.21 |
| 443 | 17.00 - 23.00% of mass 442 | 14.35 ( 19.88) |

Data File: z3791.d

Date: 14-SEP-2009 08:55

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-14-09/14sep09.b/z3791.d
Spectrum: Average Spectrum: 5.367 to 5.388 min.
Location of Maximum: 198.00
Number of points: 73

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 404 | 93.00 | 743 | 175.00 | 215 | 244.00 | 1755 |
| 44.00 | 1479 | 98.00 | 469 | 179.00 | 609 | 246.00 | 219 |
| 49.00 | 631 | 99.00 | 422 | 180.00 | 250 | 255.00 | 8839 |
| 50.00 | 1915 | 101.00 | 202 | 185.00 | 171 | 256.00 | 1294 |
| 51.00 | 8174 | 107.00 | 2566 | 186.00 | 2380 | 258.00 | 515 |
| 52.00 | 274 | 108.00 | 256 | 187.00 | 620 | 274.00 | 728 |
| 56.00 | 192 | 110.00 | 4880 | 196.00 | 543 | 275.00 | 4073 |
| 57.00 | 402 | 111.00 | 503 | 198.00 | 18560 | 276.00 | 538 |
| 63.00 | 219 | 117.00 | 1964 | 199.00 | 1195 | 277.00 | 194 |
| 69.00 | 7281 | 127.00 | 8976 | 204.00 | 571 | 296.00 | 1093 |
| 74.00 | 511 | 128.00 | 472 | 205.00 | 947 | 323.00 | 358 |
| 75.00 | 1177 | 129.00 | 3413 | 206.00 | 4387 | 365.00 | 471 |
| 76.00 | 293 | 130.00 | 208 | 207.00 | 623 | 423.00 | 743 |
| 77.00 | 8433 | 135.00 | 215 | 217.00 | 1017 | 441.00 | 1935 |
| 78.00 | 400 | 141.00 | 321 | 221.00 | 896 | 442.00 | 13403 |
| 79.00 | 380 | 148.00 | 322 | 223.00 | 167 | 443.00 | 2664 |
| 80.00 | 272 | 156.00 | 266 | 224.00 | 2101 | | |
| 81.00 | 421 | 167.00 | 876 | 225.00 | 544 | | |
| 86.00 | 207 | 168.00 | 291 | 227.00 | 931 | | |

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3967.d
Report Date: 19-Sep-2009 13:01

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3967.d
Lab Smp Id: DFTPP-61180
Inj Date  : 19-SEP-2009 12:32
Operator  : BNAMS3 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/19sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.242 | 5.377 | -0.135 | 198 | 22656 | | | 0.00- 100.00 | 100.00 |
| 5.242 | 5.377 | -0.135 | 51 | 8992 | | | 30.00- 60.00 | 39.69 |
| 5.242 | 5.377 | -0.135 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 69 | 8609 | | | 0.00- 0.00 | 38.00 |
| 5.242 | 5.377 | -0.135 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 127 | 11241 | | | 40.00- 60.00 | 49.62 |
| 5.242 | 5.377 | -0.135 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 199 | 1453 | | | 5.00- 9.00 | 6.41 |
| 5.242 | 5.377 | -0.135 | 275 | 5822 | | | 10.00- 30.00 | 25.70 |
| 5.242 | 5.377 | -0.135 | 365 | 495 | | | 1.00- 0.00 | 2.18 |
| 5.242 | 5.377 | -0.135 | 441 | 2834 | | | 0.01- 100.00 | 76.45 |
| 5.242 | 5.377 | -0.135 | 442 | 19762 | | | 40.00- 110.00 | 87.23 |
| 5.242 | 5.377 | -0.135 | 443 | 3707 | | | 17.00- 23.00 | 18.76 |

Data File: z3967.d

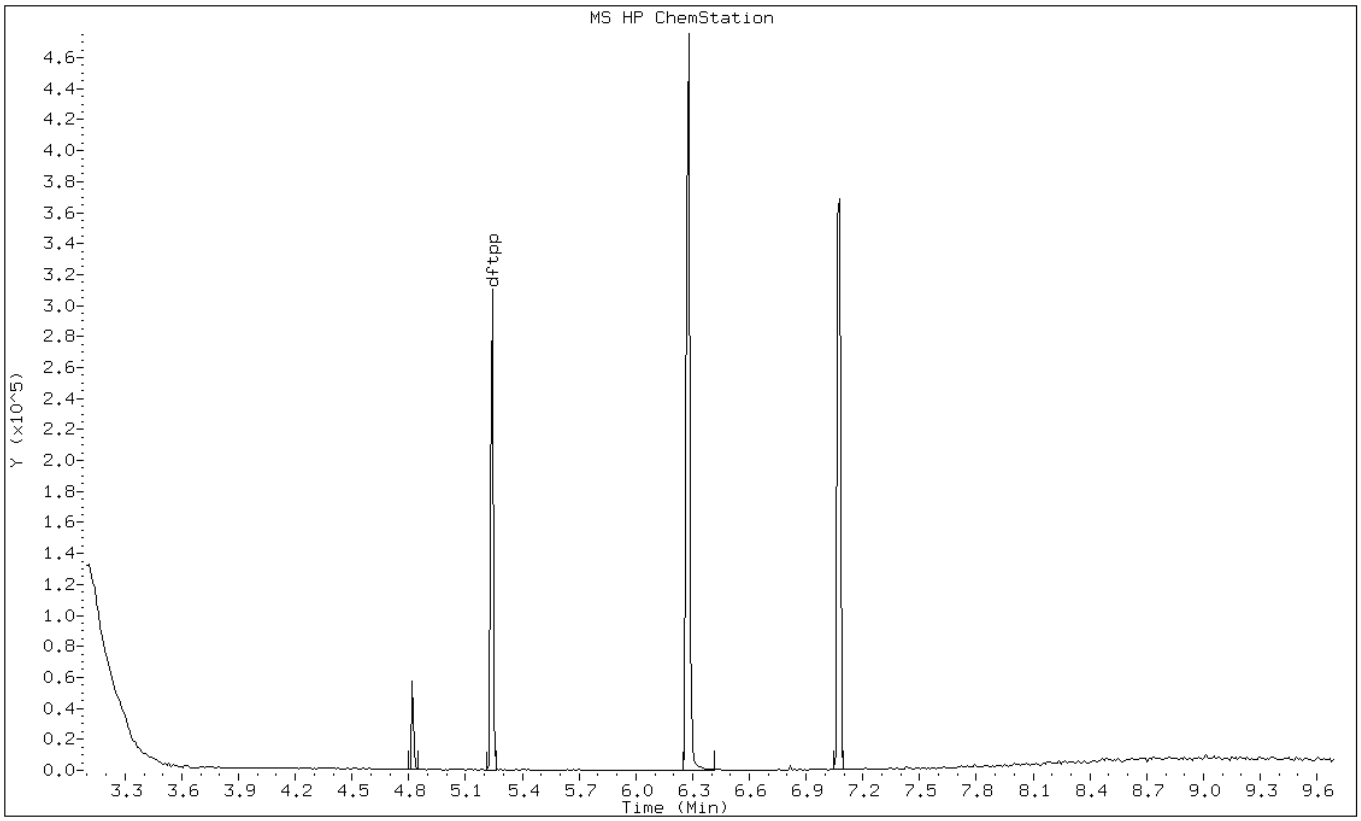
Date: 19-SEP-2009 12:32

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-61180

Operator: BNAMS3



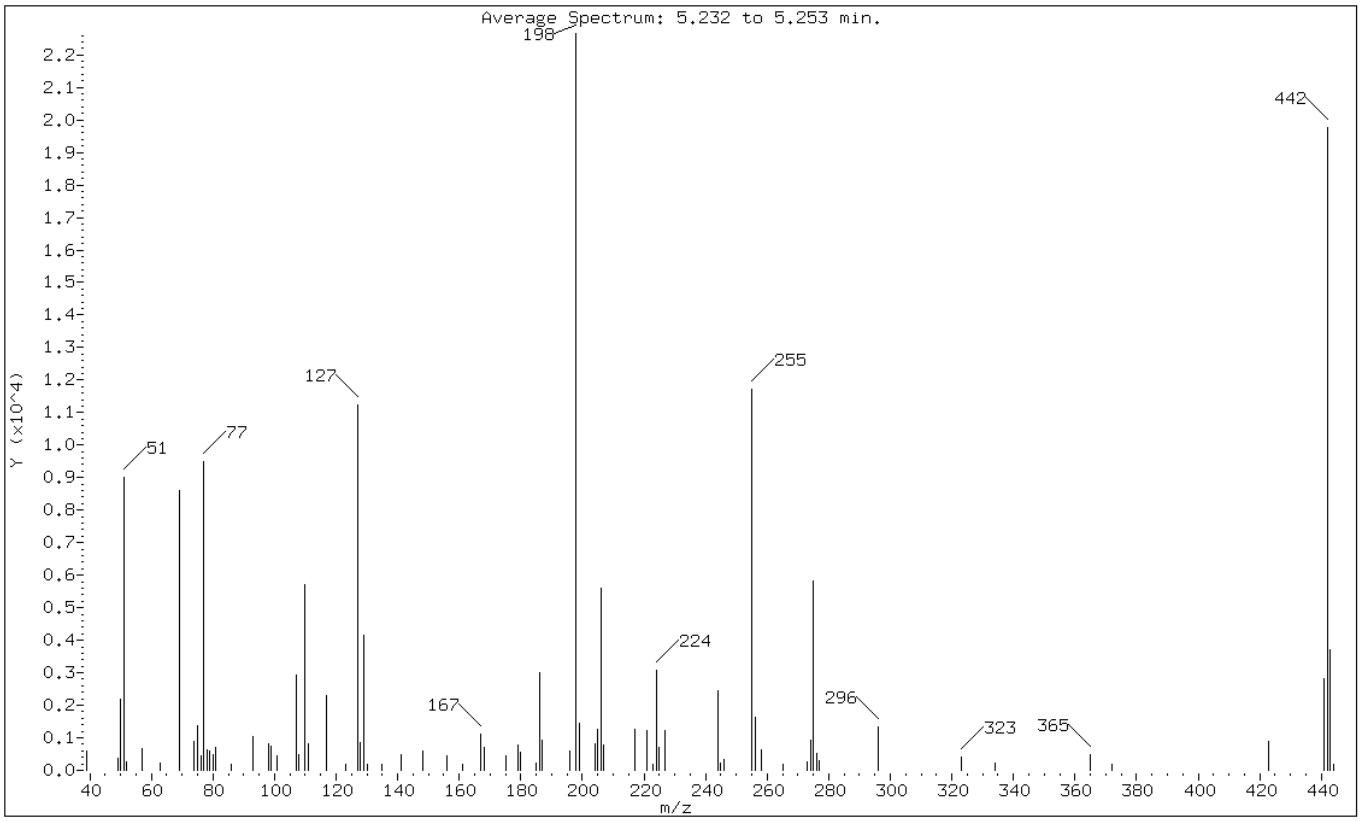
Data File: z3967.d

Date: 19-SEP-2009 12:32

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNAMS3

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 39.69 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 38.00 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 49.62 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.41 |
| 275 | 10.00 - 30.00% of mass 198 | 25.70 |
| 365 | Greater than 1.00% of mass 198 | 2.18 |
| 441 | 0.01 - 100.00% of mass 443 | 12.51 ( 76.45) |
| 442 | 40.00 - 110.00% of mass 198 | 87.23 |
| 443 | 17.00 - 23.00% of mass 442 | 16.36 ( 18.76) |

Data File: z3967.d

Date: 19-SEP-2009 12:32

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNAMS3

Data File: /chem/BNAMS11.i/8270/09-14-09/19sep09.b/z3967.d
Spectrum: Average Spectrum: 5.232 to 5.253 min.
Location of Maximum: 198.00
Number of points: 79

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 583 | 101.00 | 434 | 180.00 | 539 | 255.00 | 11725 |
| 49.00 | 381 | 107.00 | 2916 | 185.00 | 231 | 256.00 | 1624 |
| 50.00 | 2193 | 108.00 | 480 | 186.00 | 3019 | 258.00 | 623 |
| 51.00 | 8992 | 110.00 | 5726 | 187.00 | 913 | 265.00 | 190 |
| 52.00 | 260 | 111.00 | 811 | 196.00 | 586 | 273.00 | 254 |
| 57.00 | 673 | 117.00 | 2290 | 198.00 | 22656 | 274.00 | 914 |
| 63.00 | 209 | 123.00 | 167 | 199.00 | 1453 | 275.00 | 5822 |
| 69.00 | 8609 | 127.00 | 11241 | 204.00 | 821 | 276.00 | 535 |
| 74.00 | 872 | 128.00 | 849 | 205.00 | 1255 | 277.00 | 311 |
| 75.00 | 1368 | 129.00 | 4169 | 206.00 | 5582 | 296.00 | 1337 |
| 76.00 | 455 | 130.00 | 188 | 207.00 | 783 | 323.00 | 399 |
| 77.00 | 9501 | 135.00 | 196 | 217.00 | 1261 | 334.00 | 223 |
| 78.00 | 623 | 141.00 | 500 | 221.00 | 1215 | 365.00 | 495 |
| 79.00 | 597 | 148.00 | 592 | 223.00 | 198 | 372.00 | 188 |
| 80.00 | 495 | 156.00 | 454 | 224.00 | 3066 | 423.00 | 905 |
| 81.00 | 690 | 161.00 | 171 | 225.00 | 707 | 441.00 | 2834 |
| 86.00 | 171 | 167.00 | 1121 | 227.00 | 1210 | 442.00 | 19760 |
| 93.00 | 1051 | 168.00 | 693 | 244.00 | 2431 | 443.00 | 3707 |
| 98.00 | 798 | 175.00 | 430 | 245.00 | 215 | 444.00 | 197 |
| 99.00 | 739 | 179.00 | 775 | 246.00 | 348 | | |

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3984.d
Report Date: 20-Sep-2009 04:41

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3984.d
Lab Smp Id: DFTPP-61180
Inj Date  : 20-SEP-2009 04:17
Operator  : BNAMS3 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-14-09/20sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.294 | 5.377 | -0.083 | 198 | 24972 | | | 0.00- 100.00 | 100.00 |
| 5.294 | 5.377 | -0.083 | 51 | 9839 | | | 30.00- 60.00 | 39.40 |
| 5.294 | 5.377 | -0.083 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.294 | 5.377 | -0.083 | 69 | 9483 | | | 0.00- 0.00 | 37.97 |
| 5.294 | 5.377 | -0.083 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.294 | 5.377 | -0.083 | 127 | 12137 | | | 40.00- 60.00 | 48.60 |
| 5.294 | 5.377 | -0.083 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.294 | 5.377 | -0.083 | 199 | 1583 | | | 5.00- 9.00 | 6.34 |
| 5.294 | 5.377 | -0.083 | 275 | 6086 | | | 10.00- 30.00 | 24.37 |
| 5.294 | 5.377 | -0.083 | 365 | 543 | | | 1.00- 0.00 | 2.17 |
| 5.294 | 5.377 | -0.083 | 441 | 2913 | | | 0.01- 100.00 | 74.88 |
| 5.294 | 5.377 | -0.083 | 442 | 21229 | | | 40.00- 110.00 | 85.01 |
| 5.294 | 5.377 | -0.083 | 443 | 3890 | | | 17.00- 23.00 | 18.32 |

Data File: z3984.d

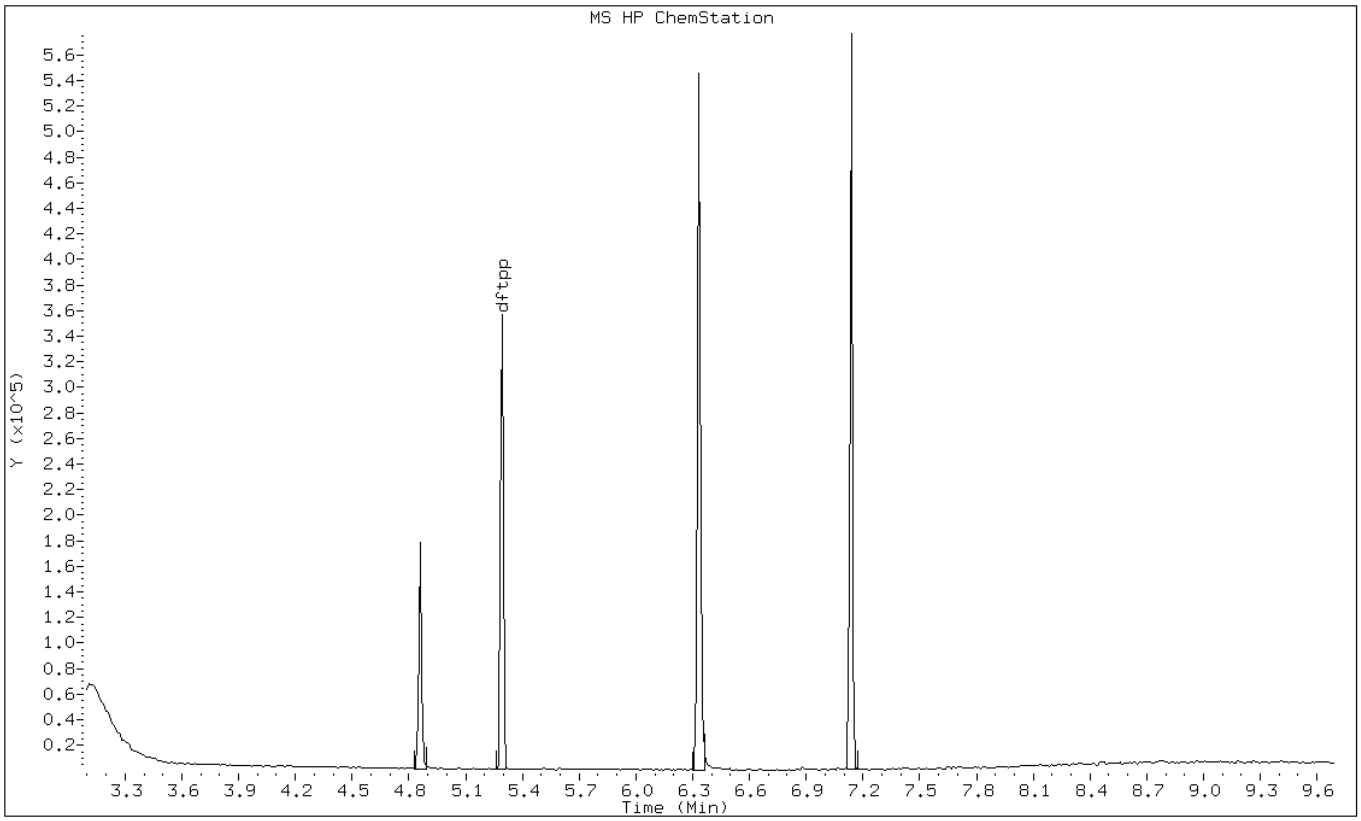
Date: 20-SEP-2009 04:17

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-61180

Operator: BNAMS3



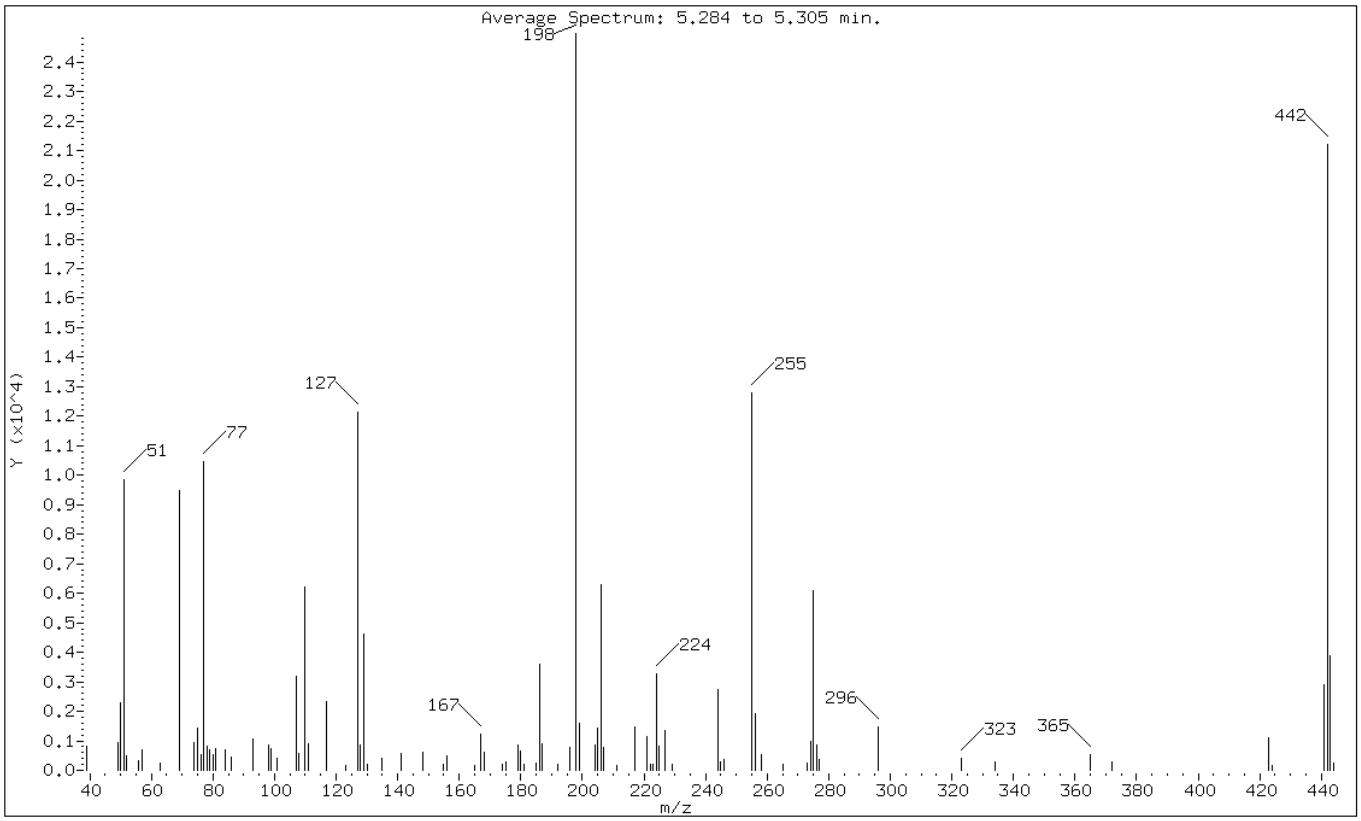
Data File: z3984.d

Date: 20-SEP-2009 04:17

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNAMS3

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 39.40 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 37.97 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 48.60 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.34 |
| 275 | 10.00 - 30.00% of mass 198 | 24.37 |
| 365 | Greater than 1.00% of mass 198 | 2.17 |
| 441 | 0.01 - 100.00% of mass 443 | 11.67 ( 74.88) |
| 442 | 40.00 - 110.00% of mass 198 | 85.01 |
| 443 | 17.00 - 23.00% of mass 442 | 15.58 ( 18.32) |

Data File: z3984.d

Date: 20-SEP-2009 04:17

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNAMS3

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3984.d
Spectrum: Average Spectrum: 5.284 to 5.305 min.
Location of Maximum: 198.00
Number of points: 89

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 802 | 107.00 | 3176 | 185.00 | 264 | 255.00 | 12786 |
| 49.00 | 943 | 108.00 | 568 | 186.00 | 3601 | 256.00 | 1915 |
| 50.00 | 2271 | 110.00 | 6206 | 187.00 | 908 | 258.00 | 550 |
| 51.00 | 9839 | 111.00 | 918 | 192.00 | 189 | 265.00 | 211 |
| 52.00 | 478 | 117.00 | 2348 | 196.00 | 794 | 273.00 | 260 |
| 56.00 | 336 | 123.00 | 173 | 198.00 | 24968 | 274.00 | 990 |
| 57.00 | 695 | 127.00 | 12137 | 199.00 | 1583 | 275.00 | 6086 |
| 63.00 | 237 | 128.00 | 868 | 204.00 | 867 | 276.00 | 839 |
| 69.00 | 9483 | 129.00 | 4635 | 205.00 | 1422 | 277.00 | 363 |
| 74.00 | 952 | 130.00 | 204 | 206.00 | 6306 | 296.00 | 1483 |
| 75.00 | 1415 | 135.00 | 429 | 207.00 | 782 | 323.00 | 403 |
| 76.00 | 520 | 141.00 | 568 | 211.00 | 171 | 334.00 | 274 |
| 77.00 | 10465 | 148.00 | 629 | 217.00 | 1453 | 365.00 | 543 |
| 78.00 | 815 | 155.00 | 189 | 221.00 | 1137 | 372.00 | 267 |
| 79.00 | 703 | 156.00 | 488 | 222.00 | 205 | 423.00 | 1122 |
| 80.00 | 512 | 165.00 | 168 | 223.00 | 217 | 424.00 | 176 |
| 81.00 | 732 | 167.00 | 1207 | 224.00 | 3268 | 441.00 | 2913 |
| 84.00 | 704 | 168.00 | 627 | 225.00 | 804 | 442.00 | 21224 |
| 86.00 | 458 | 174.00 | 192 | 227.00 | 1339 | 443.00 | 3890 |
| 93.00 | 1075 | 175.00 | 284 | 229.00 | 186 | 444.00 | 253 |
| 98.00 | 853 | 179.00 | 842 | 244.00 | 2735 | | |
| 99.00 | 755 | 180.00 | 636 | 245.00 | 287 | | |
| 101.00 | 391 | 181.00 | 190 | 246.00 | 374 | | |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Report Date: 21-Sep-2009 06:37

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Lab Smp Id: DFTPP-61180
Inj Date  : 21-SEP-2009 00:31
Operator  : BNA2 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

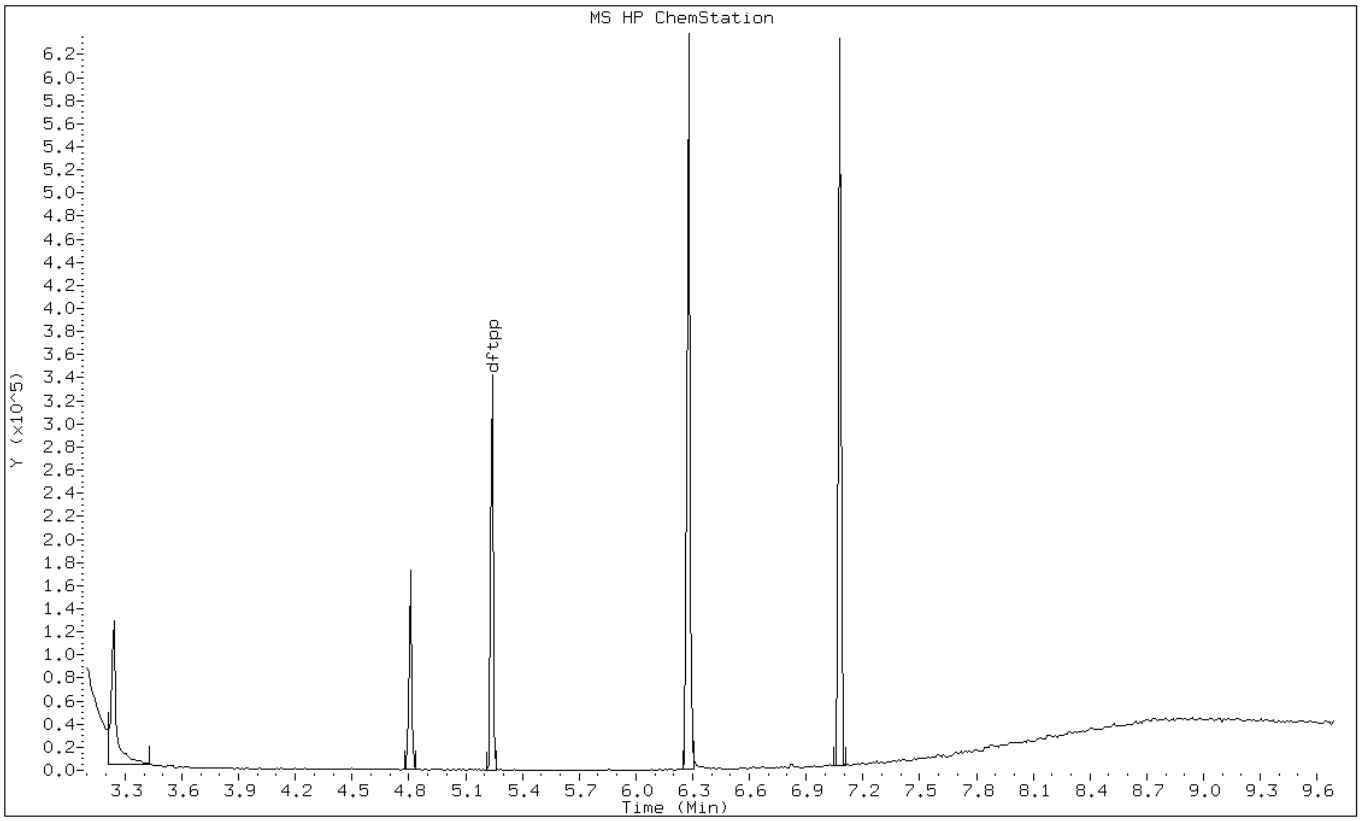
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.242 | 5.377 | -0.135 | 198 | 24154 | | | 0.00- 100.00 | 100.00 |
| 5.242 | 5.377 | -0.135 | 51 | 9514 | | | 30.00- 60.00 | 39.39 |
| 5.242 | 5.377 | -0.135 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 69 | 9052 | | | 0.00- 0.00 | 37.48 |
| 5.242 | 5.377 | -0.135 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 127 | 11815 | | | 40.00- 60.00 | 48.92 |
| 5.242 | 5.377 | -0.135 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 199 | 1541 | | | 5.00- 9.00 | 6.38 |
| 5.242 | 5.377 | -0.135 | 275 | 6290 | | | 10.00- 30.00 | 26.04 |
| 5.242 | 5.377 | -0.135 | 365 | 624 | | | 1.00- 0.00 | 2.58 |
| 5.242 | 5.377 | -0.135 | 441 | 3007 | | | 0.01- 100.00 | 72.01 |
| 5.242 | 5.377 | -0.135 | 442 | 21767 | | | 40.00- 110.00 | 90.12 |
| 5.242 | 5.377 | -0.135 | 443 | 4176 | | | 17.00- 23.00 | 19.19 |

Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2



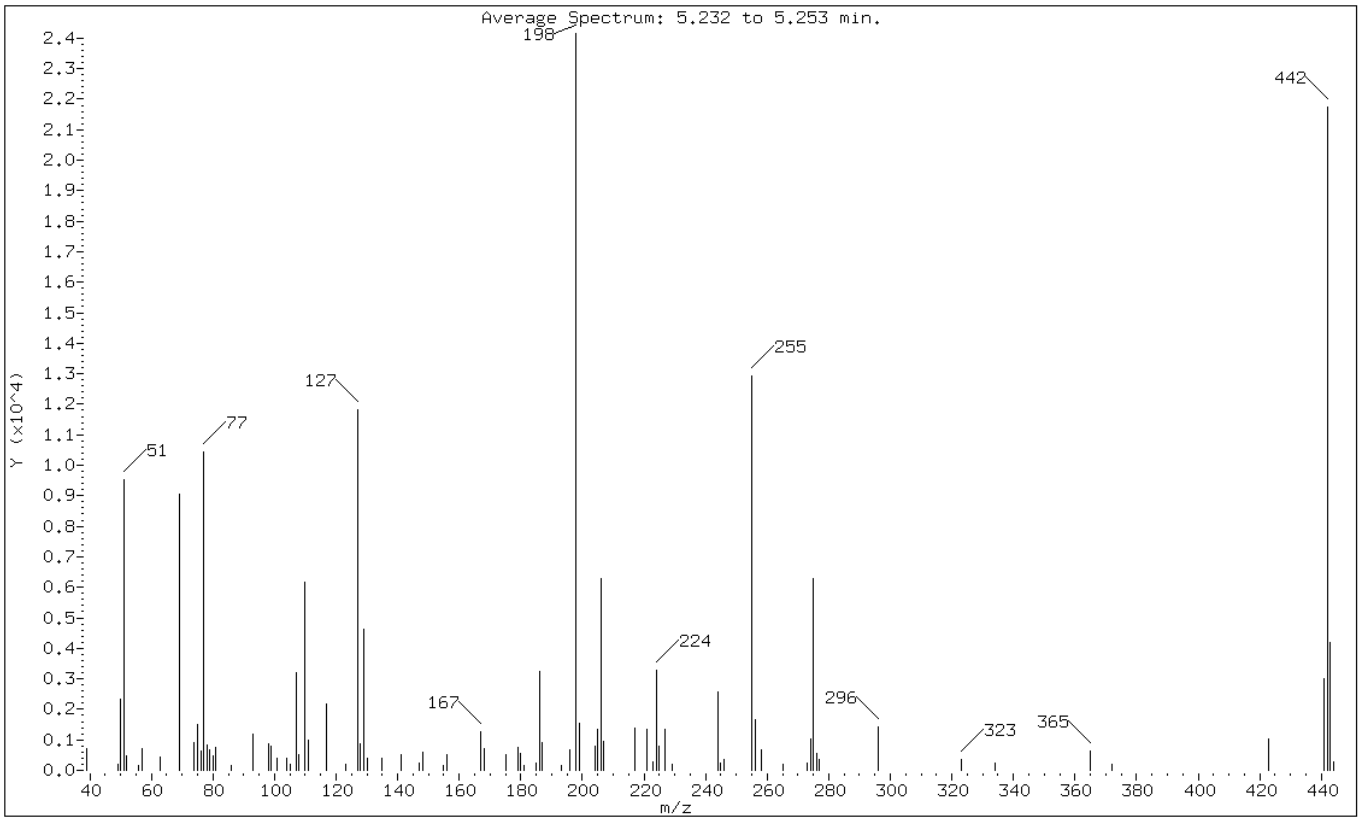
Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 39.39 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 37.48 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 48.92 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.38 |
| 275 | 10.00 - 30.00% of mass 198 | 26.04 |
| 365 | Greater than 1.00% of mass 198 | 2.58 |
| 441 | 0.01 - 100.00% of mass 443 | 12.45 ( 72.01) |
| 442 | 40.00 - 110.00% of mass 198 | 90.12 |
| 443 | 17.00 - 23.00% of mass 442 | 17.29 ( 19.19) |

Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Spectrum: Average Spectrum: 5.232 to 5.253 min.
Location of Maximum: 198.00
Number of points: 86

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 712 | 104.00 | 386 | 180.00 | 565 | 246.00 | 347 |
| 49.00 | 188 | 105.00 | 187 | 181.00 | 176 | 255.00 | 12940 |
| 50.00 | 2316 | 107.00 | 3194 | 185.00 | 248 | 256.00 | 1663 |
| 51.00 | 9514 | 108.00 | 531 | 186.00 | 3257 | 258.00 | 664 |
| 52.00 | 487 | 110.00 | 6169 | 187.00 | 914 | 265.00 | 193 |
| 56.00 | 173 | 111.00 | 971 | 193.00 | 173 | 273.00 | 252 |
| 57.00 | 699 | 117.00 | 2187 | 196.00 | 674 | 274.00 | 1036 |
| 63.00 | 424 | 123.00 | 200 | 198.00 | 24152 | 275.00 | 6290 |
| 69.00 | 9052 | 127.00 | 11815 | 199.00 | 1541 | 276.00 | 545 |
| 74.00 | 895 | 128.00 | 867 | 204.00 | 772 | 277.00 | 357 |
| 75.00 | 1484 | 129.00 | 4615 | 205.00 | 1343 | 296.00 | 1431 |
| 76.00 | 622 | 130.00 | 401 | 206.00 | 6287 | 323.00 | 369 |
| 77.00 | 10447 | 135.00 | 405 | 207.00 | 930 | 334.00 | 222 |
| 78.00 | 811 | 141.00 | 501 | 217.00 | 1399 | 365.00 | 624 |
| 79.00 | 656 | 147.00 | 218 | 221.00 | 1345 | 372.00 | 198 |
| 80.00 | 494 | 148.00 | 598 | 223.00 | 267 | 423.00 | 1025 |
| 81.00 | 756 | 155.00 | 170 | 224.00 | 3289 | 441.00 | 3007 |
| 86.00 | 171 | 156.00 | 513 | 225.00 | 776 | 442.00 | 21760 |
| 93.00 | 1190 | 167.00 | 1276 | 227.00 | 1358 | 443.00 | 4176 |
| 98.00 | 857 | 168.00 | 723 | 229.00 | 183 | 444.00 | 272 |
| 99.00 | 785 | 175.00 | 502 | 244.00 | 2575 | | |
| 101.00 | 379 | 179.00 | 739 | 245.00 | 237 | | |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/z4034.d
Report Date: 21-Sep-2009 15:55

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/z4034.d
Lab Smp Id: DFTPP-61180
Inj Date  : 21-SEP-2009 15:33
Operator  : BNA2 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

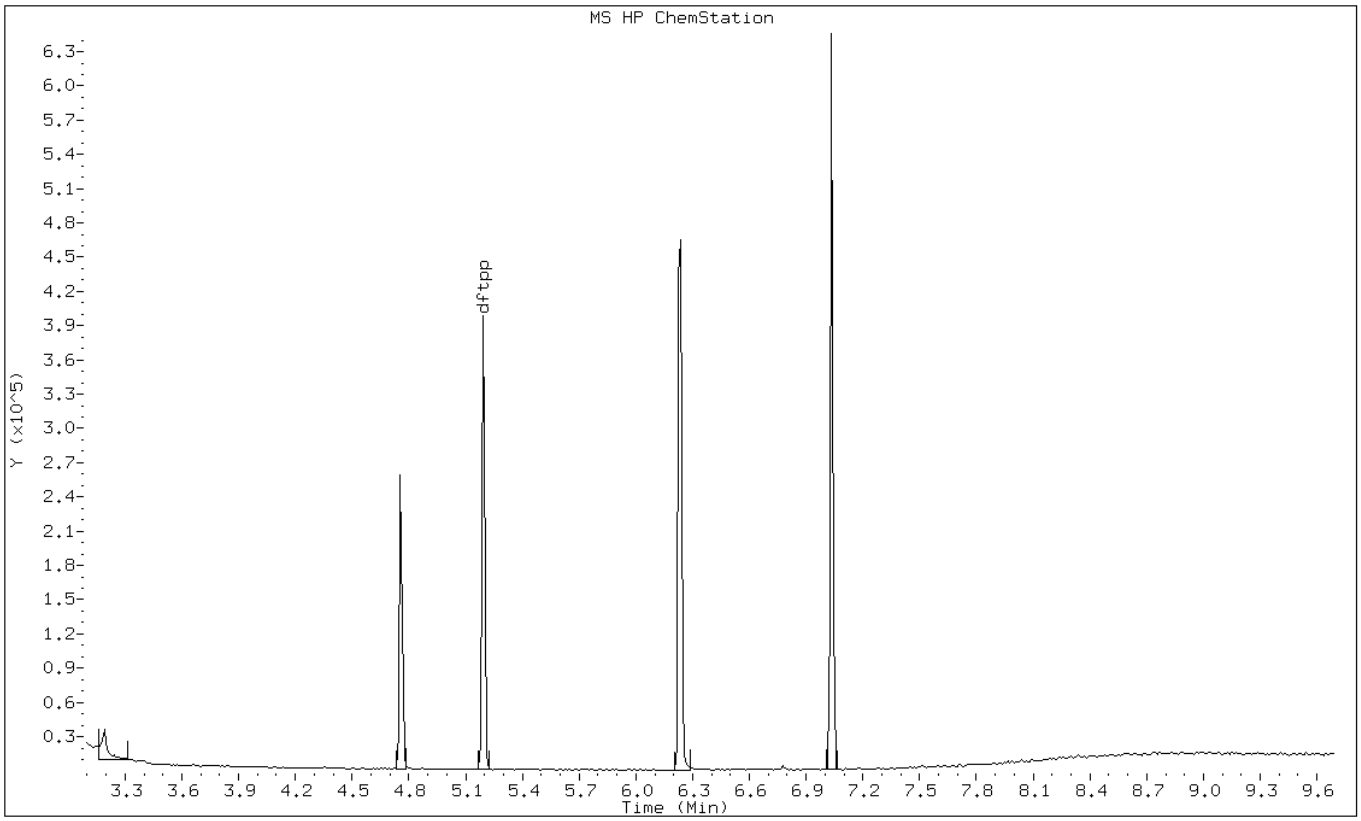
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.191 | 5.377 | -0.186 | 198 | 29890 | | | 0.00- 100.00 | 100.00 |
| 5.191 | 5.377 | -0.186 | 51 | 12436 | | | 30.00- 60.00 | 41.61 |
| 5.191 | 5.377 | -0.186 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.191 | 5.377 | -0.186 | 69 | 11732 | | | 0.00- 0.00 | 39.25 |
| 5.191 | 5.377 | -0.186 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.191 | 5.377 | -0.186 | 127 | 15132 | | | 40.00- 60.00 | 50.63 |
| 5.191 | 5.377 | -0.186 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.191 | 5.377 | -0.186 | 199 | 1915 | | | 5.00- 9.00 | 6.41 |
| 5.191 | 5.377 | -0.186 | 275 | 7362 | | | 10.00- 30.00 | 24.63 |
| 5.191 | 5.377 | -0.186 | 365 | 928 | | | 1.00- 0.00 | 3.10 |
| 5.191 | 5.377 | -0.186 | 441 | 3370 | | | 0.01- 100.00 | 73.94 |
| 5.191 | 5.377 | -0.186 | 442 | 23701 | | | 40.00- 110.00 | 79.29 |
| 5.191 | 5.377 | -0.186 | 443 | 4558 | | | 17.00- 23.00 | 19.23 |

Data File: z4034.d

Date: 21-SEP-2009 15:33

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2



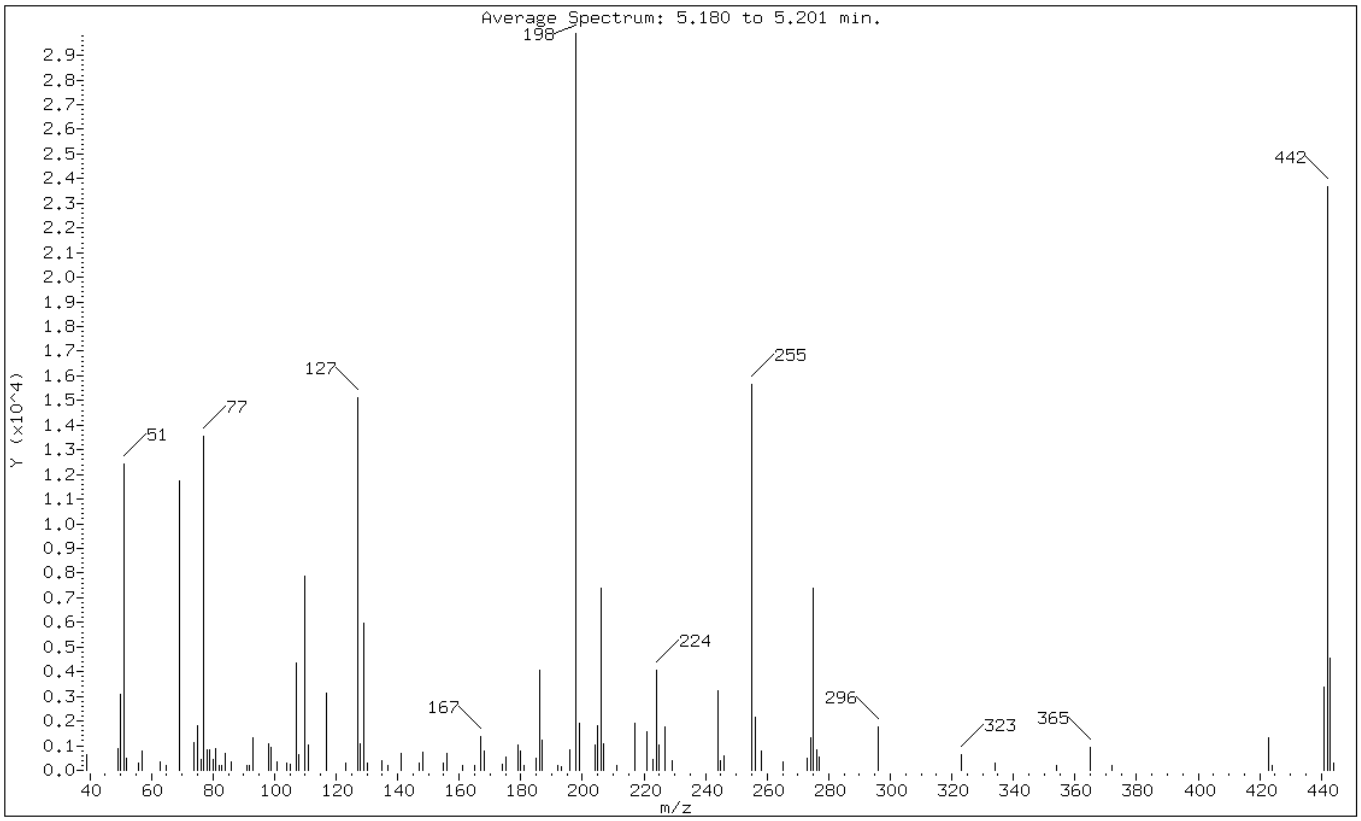
Data File: z4034.d

Date: 21-SEP-2009 15:33

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 41.61 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 39.25 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 50.63 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.41 |
| 275 | 10.00 - 30.00% of mass 198 | 24.63 |
| 365 | Greater than 1.00% of mass 198 | 3.10 |
| 441 | 0.01 - 100.00% of mass 443 | 11.27 ( 73.94) |
| 442 | 40.00 - 110.00% of mass 198 | 79.29 |
| 443 | 17.00 - 23.00% of mass 442 | 15.25 ( 19.23) |

Data File: z4034.d

Date: 21-SEP-2009 15:33

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/z4034.d
Spectrum: Average Spectrum: 5.180 to 5.201 min.
Location of Maximum: 198.00
Number of points: 100

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 653 | 99.00 | 905 | 175.00 | 531 | 246.00 | 602 |
| 49.00 | 870 | 101.00 | 350 | 179.00 | 1029 | 255.00 | 15670 |
| 50.00 | 3103 | 104.00 | 275 | 180.00 | 789 | 256.00 | 2143 |
| 51.00 | 12436 | 105.00 | 227 | 181.00 | 213 | 258.00 | 779 |
| 52.00 | 495 | 107.00 | 4363 | 185.00 | 496 | 265.00 | 340 |
| 56.00 | 282 | 108.00 | 647 | 186.00 | 4044 | 273.00 | 469 |
| 57.00 | 789 | 110.00 | 7885 | 187.00 | 1237 | 274.00 | 1308 |
| 63.00 | 328 | 111.00 | 1037 | 192.00 | 211 | 275.00 | 7362 |
| 65.00 | 201 | 117.00 | 3128 | 193.00 | 168 | 276.00 | 849 |
| 69.00 | 11732 | 123.00 | 278 | 196.00 | 837 | 277.00 | 562 |
| 74.00 | 1117 | 127.00 | 15132 | 198.00 | 29888 | 296.00 | 1785 |
| 75.00 | 1804 | 128.00 | 1078 | 199.00 | 1915 | 323.00 | 660 |
| 76.00 | 447 | 129.00 | 5992 | 204.00 | 1038 | 334.00 | 282 |
| 77.00 | 13526 | 130.00 | 303 | 205.00 | 1790 | 354.00 | 178 |
| 78.00 | 848 | 135.00 | 377 | 206.00 | 7375 | 365.00 | 928 |
| 79.00 | 816 | 137.00 | 220 | 207.00 | 1057 | 372.00 | 215 |
| 80.00 | 455 | 141.00 | 684 | 211.00 | 172 | 423.00 | 1299 |
| 81.00 | 865 | 147.00 | 279 | 217.00 | 1893 | 424.00 | 212 |
| 82.00 | 172 | 148.00 | 744 | 221.00 | 1586 | 441.00 | 3370 |
| 83.00 | 197 | 155.00 | 281 | 223.00 | 438 | 442.00 | 23696 |
| 84.00 | 686 | 156.00 | 685 | 224.00 | 4076 | 443.00 | 4558 |
| 86.00 | 324 | 161.00 | 220 | 225.00 | 1022 | 444.00 | 314 |
| 91.00 | 184 | 165.00 | 216 | 227.00 | 1781 | | |
| 92.00 | 173 | 167.00 | 1391 | 229.00 | 377 | | |
| 93.00 | 1344 | 168.00 | 803 | 244.00 | 3219 | | |
| 98.00 | 1067 | 174.00 | 244 | 245.00 | 405 | | |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-17400/1-A

Matrix: Water | Lab File ID: z4019.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/21/2009 07:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 77 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 53 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 79 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 39 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 82 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 73 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4019.d
Report Date: 22-Sep-2009 14:52

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4019.d
Lab Smp Id: MB 460-17400/1-A
Inj Date : 21-SEP-2009 07:54
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : MB 460-17400/1-A
Misc Info : MB 460-17400/1-A
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 3.087 | 3.081 | (0.707) | 438645 | 26.2606 | 52 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.993 | 4.010 | (0.915) | 347266 | 19.5194 | 39 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 508526 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 2994 | 0.15405 | 0.31(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.922 | 4.928 | (0.872) | 673048 | 39.5698 | 79 |
| * 80 Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1817772 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.734 | 6.734 | (0.910) | 1113941 | 38.5620 | 77 |
| * 82 Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 851022 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.181 | (1.105) | 108125 | 36.3228 | 73 |
| * 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 1119471 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.439 | 10.439 | (0.898) | 664568 | 40.7807 | 82 |
| * 81 Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 589164 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 361462 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4019.d
Report Date: 22-Sep-2009 14:52

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z4019.d

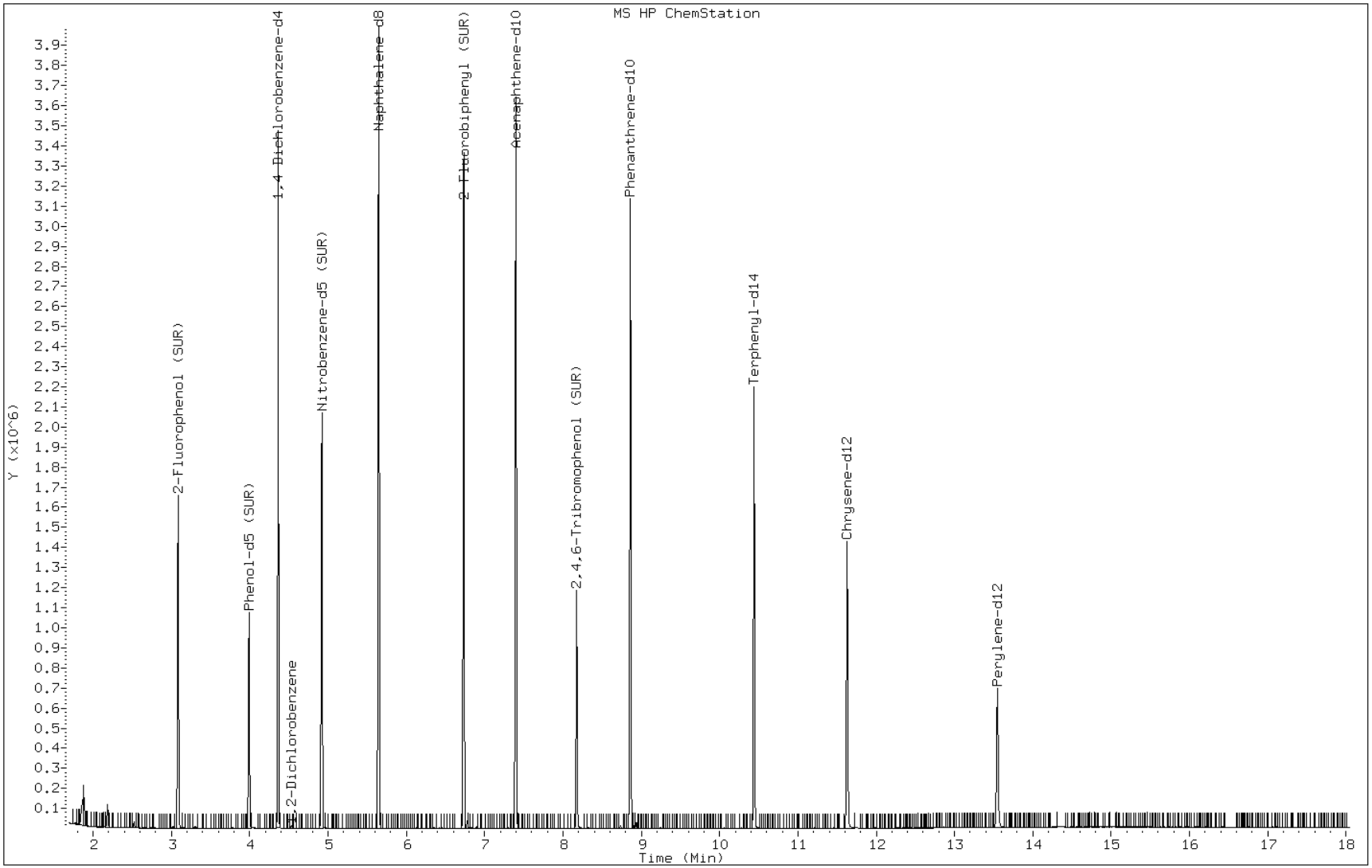
Date: 21-SEP-2009 07:54

Client ID:

Instrument: BNAMS11.i

Sample Info: MB 460-17400/1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-17400/2-A

Matrix: Water | Lab File ID: z3987.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/20/2009 05:53

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17486 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 68.4 | | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 73.7 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 87 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 54 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 85 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 41 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 86 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 82 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3987.d
Report Date: 21-Sep-2009 11:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3987.d
Lab Smp Id: LCS 460-17400/2-A
Inj Date : 20-SEP-2009 05:53
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : LCS 460-17400/2-A
Misc Info :
Comment :
Method : /chem/BNAMS11.i/8270/09-14-09/20sep09.b/8270C_08SP.m
Meth Date : 20-Sep-2009 05:35 asfawa Quant Type: ISTD
Cal Date : 20-SEP-2009 04:34 Cal File: z3985.d
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.752 | 1.728 | (0.397) | 201947 | 27.6348 | 55 |
| | 19 N-Nitrosodimethylamine | 74 | 1.975 | 1.958 | (0.448) | 283888 | 28.5543 | 57 |
| | 71 Pyridine | 79 | 2.005 | 1.987 | (0.454) | 447177 | 25.7019 | 51 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.122 | 3.122 | (0.708) | 435101 | 27.1153 | 54 |
| | 110 Benzaldehyde | 77 | 3.969 | 3.969 | (0.900) | 469872 | 51.3400 | 100 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.046 | 4.051 | (0.917) | 359819 | 20.6368 | 41 |
| | 1 Phenol | 94 | 4.057 | 4.069 | (0.920) | 415347 | 21.0109 | 42 |
| | 73 Aniline | 93 | 4.081 | 4.081 | (0.925) | 813217 | 34.1766 | 68 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.140 | 4.146 | (0.939) | 668112 | 40.9748 | 82 |
| | 2 2-Chlorophenol | 128 | 4.204 | 4.204 | (0.953) | 654192 | 39.4092 | 79 |
| | 21 1,3-Dichlorobenzene | 146 | 4.351 | 4.357 | (0.987) | 773833 | 39.1800 | 78 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.410 | 4.410 | (1.000) | 477002 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.428 | 4.428 | (1.004) | 775755 | 39.4389 | 79 |
| | 74 Benzyl Alcohol | 108 | 4.551 | 4.551 | (1.032) | 392733 | 38.8826 | 78 |
| | 23 1,2-Dichlorobenzene | 146 | 4.581 | 4.581 | (1.039) | 734829 | 40.0334 | 80 |

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3987.d
Report Date: 21-Sep-2009 11:35

| | | | | | | | CONCENTRATIONS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | ON-COLUMN | FINAL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | ( ug/L) |
| | 3 2-Methylphenol | 108 | 4.669 | 4.669 | (1.059) | 477938 | 36.5266 | 73 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.681 | 4.681 | (1.061) | 714953 | 40.7177 | 81 |
| | 104 Acetophenone | 105 | 4.816 | 4.822 | (1.092) | 873108 | 46.0456 | 92 |
| | 4 4-Methylphenol | 108 | 4.828 | 4.822 | (1.095) | 426247 | 30.9968 | 62 |
| | 124 3 & 4 methylphenol | 108 | 4.828 | 4.822 | (1.095) | 426247 | 30.9968 | 62 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.822 | 4.822 | (1.093) | 421742 | 45.0780 | 90 |
| | 26 Hexachloroethane | 117 | 4.922 | 4.922 | (1.116) | 301967 | 38.8063 | 78 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.969 | 4.969 | (0.873) | 707455 | 42.4168 | 85 |
| | 27 Nitrobenzene | 77 | 4.993 | 4.993 | (0.877) | 876233 | 38.5327 | 77 |
| | 107 N,N-Dimethylaniline | 120 | 4.993 | 4.993 | (1.132) | 868953 | 36.8281 | 74 |
| | 28 Isophorone | 82 | 5.234 | 5.228 | (0.919) | 1197117 | 41.7977 | 84 |
| | 5 2-Nitrophenol | 139 | 5.310 | 5.310 | (0.933) | 355308 | 40.2363 | 80 |
| | 6 2,4-Dimethylphenol | 122 | 5.357 | 5.357 | (0.941) | 484534 | 36.7262 | 73 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.445 | 5.446 | (0.957) | 715983 | 41.4750 | 83 |
| | 15 Benzoic Acid | 122 | 5.451 | 5.487 | (0.958) | 36963 | 6.09401 | 12 |
| | 7 2,4-Dichlorophenol | 162 | 5.557 | 5.557 | (0.976) | 483885 | 41.4995 | 83 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.640 | 5.634 | (0.991) | 576603 | 39.6194 | 79 |
| * | 80 Naphthalene-d8 | 136 | 5.693 | 5.693 | (1.000) | 1734362 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.716 | 5.716 | (1.004) | 1852002 | 40.0514 | 80 |
| | 32 4-Chloroaniline | 127 | 5.769 | 5.769 | (1.013) | 701066 | 39.1549 | 78 |
| | 33 Hexachlorobutadiene | 225 | 5.845 | 5.845 | (1.027) | 339408 | 40.0588 | 80 |
| | 111 Caprolactam | 113 | 6.134 | 6.145 | (1.077) | 53785 | 14.4772 | 29 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.263 | 6.269 | (1.100) | 481381 | 39.4389 | 79 |
| | 34 2-Methylnaphthalene | 142 | 6.410 | 6.410 | (1.126) | 1144529 | 40.9632 | 82 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.575 | 6.575 | (0.882) | 317241 | 37.8655 | 76 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.692 | 6.698 | (0.898) | 315012 | 41.9889 | 84 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.734 | 6.740 | (0.904) | 325052 | 43.1612 | 86 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.775 | 6.775 | (0.909) | 1185283 | 43.6959 | 87 |
| | 102 Diphenyl | 154 | 6.875 | 6.875 | (0.923) | 1340365 | 43.1657 | 86 |
| | 36 2-Chloronaphthalene | 162 | 6.898 | 6.898 | (0.926) | 1032794 | 41.5461 | 83 |
| | 103 Diphenyl Ether | 170 | 6.981 | 6.981 | (0.937) | 702632 | 41.5198 | 83 |
| | 37 2-Nitroaniline | 65 | 6.998 | 6.998 | (0.939) | 366163 | 49.0674 | 98 |
| | 38 Dimethylphthalate | 163 | 7.187 | 7.181 | (0.964) | 1018518 | 41.4257 | 83 |
| | 40 2,6-Dinitrotoluene | 165 | 7.239 | 7.240 | (0.972) | 233221 | 40.9455 | 82 |
| | 39 Acenaphthylene | 152 | 7.304 | 7.310 | (0.980) | 1593556 | 41.5231 | 83 |
| | 41 3-Nitroaniline | 138 | 7.410 | 7.410 | (0.994) | 236655 | 40.3218 | 81 |
| * | 82 Acenaphthene-d10 | 164 | 7.451 | 7.445 | (1.000) | 808915 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.481 | 7.481 | (1.004) | 910122 | 42.0047 | 84 |
| | 11 2,4-Dinitrophenol | 184 | 7.504 | 7.504 | (1.007) | 86354 | 37.1190 | 74 |
| | 12 4-Nitrophenol | 65 | 7.575 | 7.581 | (1.017) | 71151 | 17.9685 | 36 |
| | 44 2,4-Dinitrotoluene | 165 | 7.634 | 7.634 | (1.024) | 275907 | 39.8432 | 80 |
| | 43 Dibenzofuran | 168 | 7.651 | 7.651 | (1.027) | 1282301 | 40.9760 | 82 |
| | 45 Diethylphthalate | 149 | 7.881 | 7.881 | (1.058) | 948940 | 40.2188 | 80 |
| | 47 Fluorene | 166 | 7.992 | 7.992 | (1.073) | 974106 | 40.3322 | 81 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.987 | 7.987 | (1.072) | 468350 | 41.2177 | 82 |
| | 48 4-Nitroaniline | 138 | 8.016 | 8.016 | (1.076) | 211306 | 42.3174 | 85 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 8.045 | 8.039 | (0.902) | 112018 | 40.3338 | 81 |

Data File: /chem/BNAMS11.i/8270/09-14-09/20sep09.b/z3987.d
Report Date: 21-Sep-2009 11:35

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 49 N-Nitrosodiphenylamine | 169 | 8.104 | 8.104 | (0.909) | 667234 | 47.2951 | 94 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.145 | 8.145 | (0.914) | 1105936 | 41.6452 | 83 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.228 | 8.228 | (1.104) | 113016 | 40.7858 | 82 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.469 | 8.469 | (0.950) | 255359 | 41.8680 | 84 |
| | 51 Hexachlorobenzene | 284 | 8.539 | 8.539 | (0.958) | 240339 | 41.8698 | 84 |
| | 112 Atrazine | 200 | 8.634 | 8.634 | (0.968) | 176775 | 39.5289 | 79 |
| | 14 Pentachlorophenol | 266 | 8.734 | 8.734 | (0.980) | 104498 | 36.3887 | 73 |
| * | 83 Phenanthrene-d10 | 188 | 8.916 | 8.916 | (1.000) | 965066 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.939 | 8.939 | (1.003) | 1152202 | 41.6006 | 83 |
| | 53 Anthracene | 178 | 8.986 | 8.986 | (1.008) | 1167612 | 41.0263 | 82 |
| | 54 Carbazole | 167 | 9.145 | 9.145 | (1.026) | 913408 | 41.7517 | 84 |
| | 55 Di-n-butylphthalate | 149 | 9.486 | 9.486 | (1.064) | 1164691 | 40.6023 | 81 |
| | 56 Fluoranthene | 202 | 10.110 | 10.110 | (1.134) | 929919 | 40.5339 | 81 |
| | 58 Benzidine | 184 | 10.233 | 10.239 | (1.148) | 79077 | 33.5609 | 67(R) |
| | 57 Pyrene | 202 | 10.339 | 10.339 | (0.884) | 901111 | 40.2190 | 80 |
| $ | 78 Terphenyl-d14 | 244 | 10.492 | 10.492 | (0.897) | 602444 | 42.7743 | 86 |
| | 59 Butylbenzylphthalate | 149 | 11.022 | 11.022 | (0.942) | 355560 | 40.6066 | 81 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.657 | 11.651 | (0.996) | 167707 | 42.3409 | 85 |
| | 61 Benzo(a)anthracene | 228 | 11.686 | 11.686 | (0.999) | 595813 | 41.4588 | 83 |
| * | 81 Chrysene-d12 | 240 | 11.698 | 11.698 | (1.000) | 515099 | 40.0000 | |
| | 62 Chrysene | 228 | 11.733 | 11.727 | (1.003) | 557433 | 42.0808 | 84 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.722 | 11.722 | (1.002) | 437131 | 40.4853 | 81 |
| | 64 Di-n-octylphthalate | 149 | 12.586 | 12.586 | (0.923) | 601628 | 42.3159 | 85 |
| | 65 Benzo(b)fluoranthene | 252 | 13.104 | 13.104 | (0.961) | 408678 | 41.1908 | 82 |
| | 66 Benzo(k)fluoranthene | 252 | 13.139 | 13.139 | (0.964) | 461373 | 41.5982 | 83 |
| | 67 Benzo(a)pyrene | 252 | 13.551 | 13.551 | (0.994) | 309795 | 35.9411 | 72 |
| * | 84 Perylene-d12 | 264 | 13.633 | 13.627 | (1.000) | 340600 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.174 | 15.174 | (1.113) | 299999 | 39.7881 | 80 |
| | 69 Dibenz(a,h)anthracene | 278 | 15.210 | 15.210 | (1.116) | 300974 | 39.5414 | 79 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.604 | 15.604 | (1.145) | 308795 | 39.3873 | 79 |

QC Flag Legend

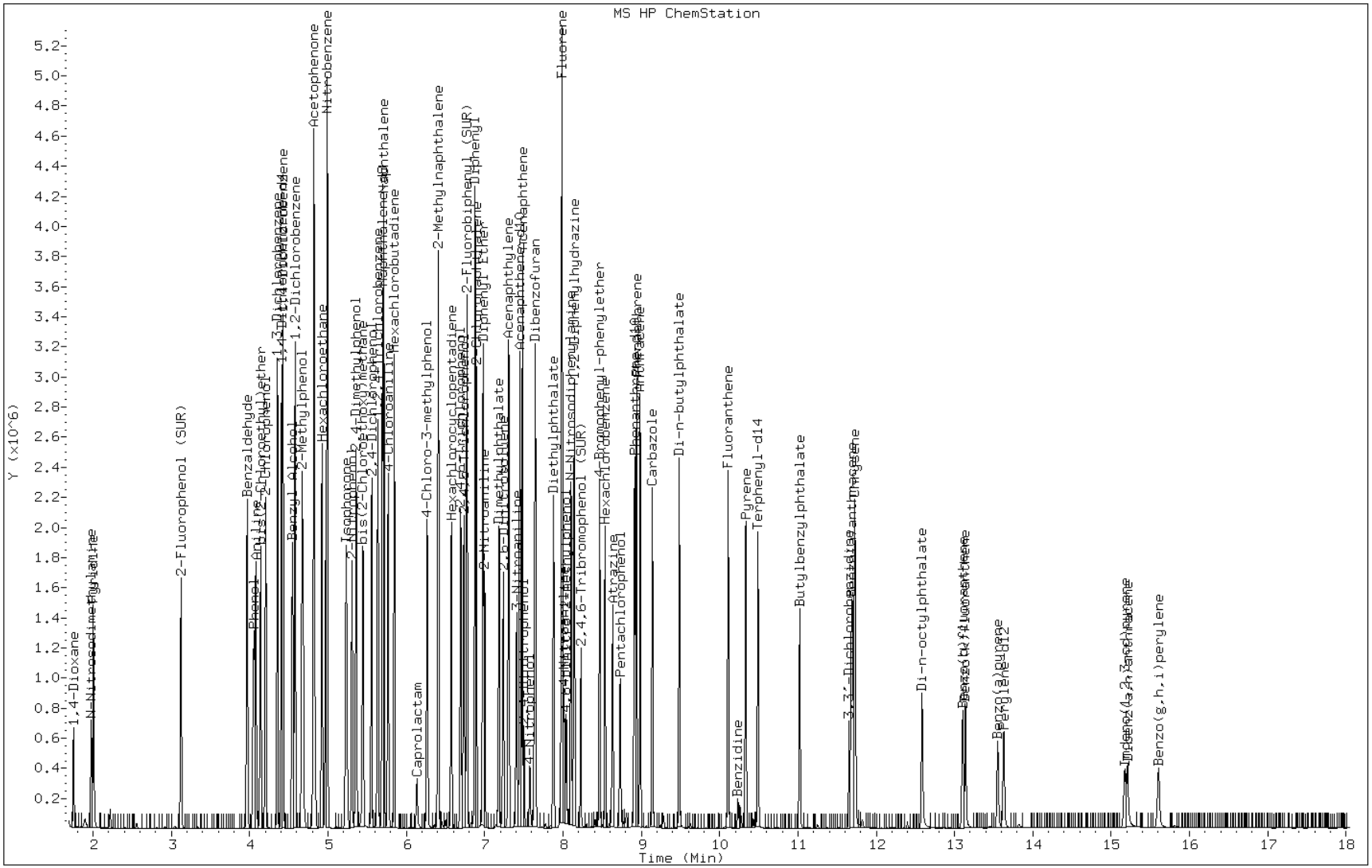
R - Spike/Surrogate failed recovery limits.

Data File: z3987.d

Date: 20-SEP-2009 05:53

Client ID: Instrument: BNAMS11.i

Sample Info: LCS 460-17400/2-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-8SR MS | Lab Sample ID: 460-5774-2 MS

Matrix: Water | Lab File ID: z4020.d

Analysis Method: 8270C | Date Collected: 09/16/2009 12:40

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/21/2009 08:19

Con. Extract Vol.: 2(mL) | Dilution Factor: 20

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17499 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 3540 | | 100 | 35 |
| 121-69-7 | n,n'-Dimethylaniline | 88.6 | | 20 | 5.4 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 0 | 64-119 | D |
| 367-12-4 | 2-Fluorophenol | 0 | 15-57 | D |
| 4165-60-0 | Nitrobenzene-d5 | 0 | 69-120 | D |
| 4165-62-2 | Phenol-d5 | 0 | 10-41 | D |
| 1718-51-0 | Terphenyl-d14 | 0 | 38-141 | D |
| 118-79-6 | 2,4,6-Tribromophenol | 0 | 69-127 | D |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4020.d
Report Date: 21-Sep-2009 15:48

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4020.d
Lab Smp Id: 460-5774-H-2-A MS  Client Smp ID: MW-8SR
Inj Date  : 21-SEP-2009 08:19
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5774-H-2-A MS
Misc Info : 460-5774-H-2-A MS
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin  Quant Type: ISTD
Cal Date  : 21-SEP-2009 01:32  Cal File: z4010.d
Als bottle: 12  QC Sample: MS
Dil Factor: 20.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 20.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 19 | N-Nitrosodimethylamine | 74 | 1.940 | 1.928 | (0.445) | 11780 | 1.26649 | 51(a) |
| 71 | Pyridine | 79 | 1.981 | 1.957 | (0.454) | 19652 | 1.17547 | 47(a) |
| 110 | Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 13695 | 1.49058 | 60(a) |
| 1 | Phenol | 94 | 4.040 | 4.022 | (0.926) | 140301 | 7.46676 | 300(RH) |
| 73 | Aniline | 93 | 4.046 | 4.040 | (0.927) | 2005789 | 88.4343 | 3500(R) |
| 20 | bis(2-Chloroethyl)ether | 93 | 4.093 | 4.098 | (0.938) | 37423 | 2.44080 | 98 |
| 2 | 2-Chlorophenol | 128 | 4.151 | 4.163 | (0.951) | 30626 | 1.91437 | 76(a) |
| 21 | 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 41132 | 2.13562 | 85(a) |
| * 79 | 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 466976 | 40.0000 | |
| 22 | 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 42194 | 2.17718 | 87(a) |
| 74 | Benzyl Alcohol | 108 | 4.493 | 4.510 | (1.030) | 16110 | 1.72961 | 69(a) |
| 23 | 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 40263 | 2.25601 | 90(a) |
| 3 | 2-Methylphenol | 108 | 4.610 | 4.628 | (1.057) | 22759 | 1.81385 | 72(a) |
| 24 | bis (2-chloroisopropyl) ether | 45 | 4.634 | 4.640 | (1.062) | 41600 | 2.55972 | 100(a) |
| 104 | Acetophenone | 105 | 4.763 | 4.775 | (1.092) | 52301 | 2.87960 | 120(aR) |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4020.d
Report Date: 21-Sep-2009 15:48

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 4 | 4-Methylphenol | 108 | 4.763 | 4.781 | (1.092) | 20786 | 1.57795 | 63(a) |
| 124 | 3 & 4 methylphenol | 108 | 4.763 | 4.781 | (1.092) | 20786 | 1.57795 | 63(a) |
| 25 | N-Nitroso-di-n-propylamine | 70 | 4.763 | 4.781 | (1.092) | 23429 | 2.62821 | 100 |
| 26 | Hexachloroethane | 117 | 4.875 | 4.881 | (1.117) | 15936 | 2.11001 | 84 |
| 27 | Nitrobenzene | 77 | 4.934 | 4.951 | (0.874) | 49721 | 2.27317 | 91 |
| 107 | N,N-Dimethylaniline | 120 | 4.940 | 4.951 | (1.132) | 50498 | 2.21493 | 88 |
| 28 | Isophorone | 82 | 5.175 | 5.187 | (0.917) | 63123 | 2.31120 | 92(a) |
| 5 | 2-Nitrophenol | 139 | 5.257 | 5.263 | (0.931) | 15800 | 1.84896 | 74(a) |
| 6 | 2,4-Dimethylphenol | 122 | 5.304 | 5.316 | (0.940) | 26377 | 2.07473 | 83(a) |
| 29 | bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.404 | (0.956) | 38597 | 2.30505 | 92(a) |
| 15 | Benzoic Acid | 122 | 5.398 | 5.445 | (0.956) | 1504 | 0.31844 | 13(a) |
| 7 | 2,4-Dichlorophenol | 162 | 5.504 | 5.510 | (0.975) | 22876 | 2.01313 | 80(a) |
| 30 | 1,2,4-Trichlorobenzene | 180 | 5.587 | 5.592 | (0.990) | 30958 | 2.15464 | 86 |
| * 80 | Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1717043 | 40.0000 | |
| 31 | Naphthalene | 128 | 5.663 | 5.669 | (1.003) | 128183 | 2.81193 | 110(aR) |
| 32 | 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 77696 | 4.58420 | 180(aR) |
| 33 | Hexachlorobutadiene | 225 | 5.798 | 5.804 | (1.027) | 18025 | 2.10426 | 84 |
| 111 | Caprolactam | 113 | 6.040 | 6.104 | (1.070) | 1569 | 0.44979 | 18(a) |
| 8 | 4-Chloro-3-methylphenol | 107 | 6.216 | 6.228 | (1.101) | 22216 | 1.92112 | 77(a) |
| 34 | 2-Methylnaphthalene | 142 | 6.357 | 6.363 | (1.126) | 84583 | 3.14618 | 120(aR) |
| 120 | 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 37556 | 1.46307 | 58(a) |
| 35 | Hexachlorocyclopentadiene | 237 | 6.528 | 6.534 | (0.882) | 8851 | 0.98178 | 39(aR) |
| 9 | 2,4,6-Trichlorophenol | 196 | 6.645 | 6.651 | (0.898) | 15009 | 1.93818 | 78(a) |
| 10 | 2,4,5-Trichlorophenol | 196 | 6.681 | 6.692 | (0.903) | 13857 | 1.80396 | 72(a) |
| 102 | Diphenyl | 154 | 6.828 | 6.834 | (0.923) | 79216 | 2.43922 | 98(a) |
| 36 | 2-Chloronaphthalene | 162 | 6.845 | 6.851 | (0.925) | 57978 | 2.24431 | 90(a) |
| 103 | Diphenyl Ether | 170 | 6.934 | 6.939 | (0.937) | 39992 | 2.24326 | 90(a) |
| 37 | 2-Nitroaniline | 65 | 6.945 | 6.957 | (0.939) | 18497 | 2.09835 | 84(a) |
| 123 | 1,3-Dimethylnaphthalene | 156 | 7.057 | 7.069 | (0.954) | 10007 | 0.48546 | 19(a) |
| 38 | Dimethylphthalate | 163 | 7.128 | 7.139 | (0.963) | 60763 | 2.38613 | 95(a) |
| 40 | 2,6-Dinitrotoluene | 165 | 7.187 | 7.198 | (0.971) | 11324 | 1.93616 | 77 |
| 39 | Acenaphthylene | 152 | 7.257 | 7.263 | (0.981) | 89185 | 2.24257 | 90(a) |
| 41 | 3-Nitroaniline | 138 | 7.351 | 7.363 | (0.994) | 12464 | 2.12762 | 85(a) |
| * 82 | Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 835844 | 40.0000 | |
| 42 | Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 56951 | 2.53513 | 100(a) |
| 11 | 2,4-Dinitrophenol | 184 | 7.457 | 7.463 | (1.008) | 967 | 0.39748 | 16(aR) |
| 12 | 4-Nitrophenol | 65 | 7.528 | 7.534 | (1.017) | 1362 | 0.35884 | 14(a) |
| 44 | 2,4-Dinitrotoluene | 165 | 7.581 | 7.592 | (1.025) | 12797 | 1.84531 | 74 |
| 43 | Dibenzofuran | 168 | 7.598 | 7.604 | (1.027) | 76563 | 2.38281 | 95(a) |
| 45 | Diethylphthalate | 149 | 7.822 | 7.833 | (1.057) | 54049 | 2.22527 | 89(a) |
| 47 | Fluorene | 166 | 7.934 | 7.945 | (1.072) | 58830 | 2.39357 | 96(a) |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.934 | 7.945 | (1.072) | 28094 | 2.38482 | 95(a) |
| 48 | 4-Nitroaniline | 138 | 7.951 | 7.969 | (1.075) | 9723 | 1.93265 | 77(a) |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.981 | 7.998 | (0.900) | 2461 | 0.78531 | 31(aR) |
| 49 | N-Nitrosodiphenylamine | 169 | 8.051 | 8.063 | (0.908) | 37886 | 2.42015 | 97(a) |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.092 | 8.098 | (0.913) | 63218 | 2.16990 | 87(a) |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.416 | 8.422 | (0.950) | 14184 | 2.04860 | 82(a) |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4020.d
Report Date: 21-Sep-2009 15:48

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 51 | Hexachlorobenzene | 284 | 8.486 | 8.492 | (0.958) | 13700 | 2.08190 | 83 |
| 112 | Atrazine | 200 | 8.575 | 8.586 | (0.967) | 9960 | 2.00000 | 80(a) |
| 14 | Pentachlorophenol | 266 | 8.681 | 8.686 | (0.979) | 2154 | 0.70030 | 28(aR) |
| * 83 | Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 1055489 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.881 | 8.892 | (1.002) | 68620 | 2.27525 | 91(a) |
| 53 | Anthracene | 178 | 8.934 | 8.939 | (1.008) | 67898 | 2.22391 | 89(a) |
| 54 | Carbazole | 167 | 9.092 | 9.098 | (1.026) | 49808 | 2.13679 | 85(a) |
| 55 | Di-n-butylphthalate | 149 | 9.433 | 9.439 | (1.064) | 61136 | 1.95867 | 78(a) |
| 56 | Fluoranthene | 202 | 10.051 | 10.063 | (1.134) | 49216 | 2.07771 | 83(a) |
| 58 | Benzidine | 184 | 10.180 | 10.186 | (1.149) | 11435 | 3.78047 | 150(aR) |
| 57 | Pyrene | 202 | 10.280 | 10.286 | (0.884) | 50564 | 2.32582 | 93(a) |
| 59 | Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.943) | 15247 | 1.84422 | 74(a) |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 7159 | 1.89269 | 76(a) |
| 61 | Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.999) | 29060 | 2.12797 | 85 |
| * 81 | Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 494209 | 40.0000 | |
| 62 | Chrysene | 228 | 11.657 | 11.669 | (1.003) | 27383 | 2.14299 | 86(a) |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.003) | 19105 | 1.80788 | 72(a) |
| 64 | Di-n-octylphthalate | 149 | 12.510 | 12.521 | (0.924) | 15143 | 1.14423 | 46(aR) |
| 65 | Benzo(b)fluoranthene | 252 | 13.021 | 13.027 | (0.961) | 15720 | 1.73417 | 69 |
| 66 | Benzo(k)fluoranthene | 252 | 13.057 | 13.068 | (0.964) | 19620 | 1.92606 | 77 |
| 67 | Benzo(a)pyrene | 252 | 13.463 | 13.474 | (0.994) | 10763 | 1.35787 | 54 |
| * 84 | Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 308979 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.063 | 15.074 | (1.112) | 11637 | 1.71656 | 69 |
| 69 | Dibenz(a,h)anthracene | 278 | 15.098 | 15.110 | (1.115) | 8740 | 1.22937 | 49 |
| 70 | Benzo(g,h,i)perylene | 276 | 15.480 | 15.498 | (1.143) | 12021 | 1.68008 | 67(a) |

QC Flag Legend

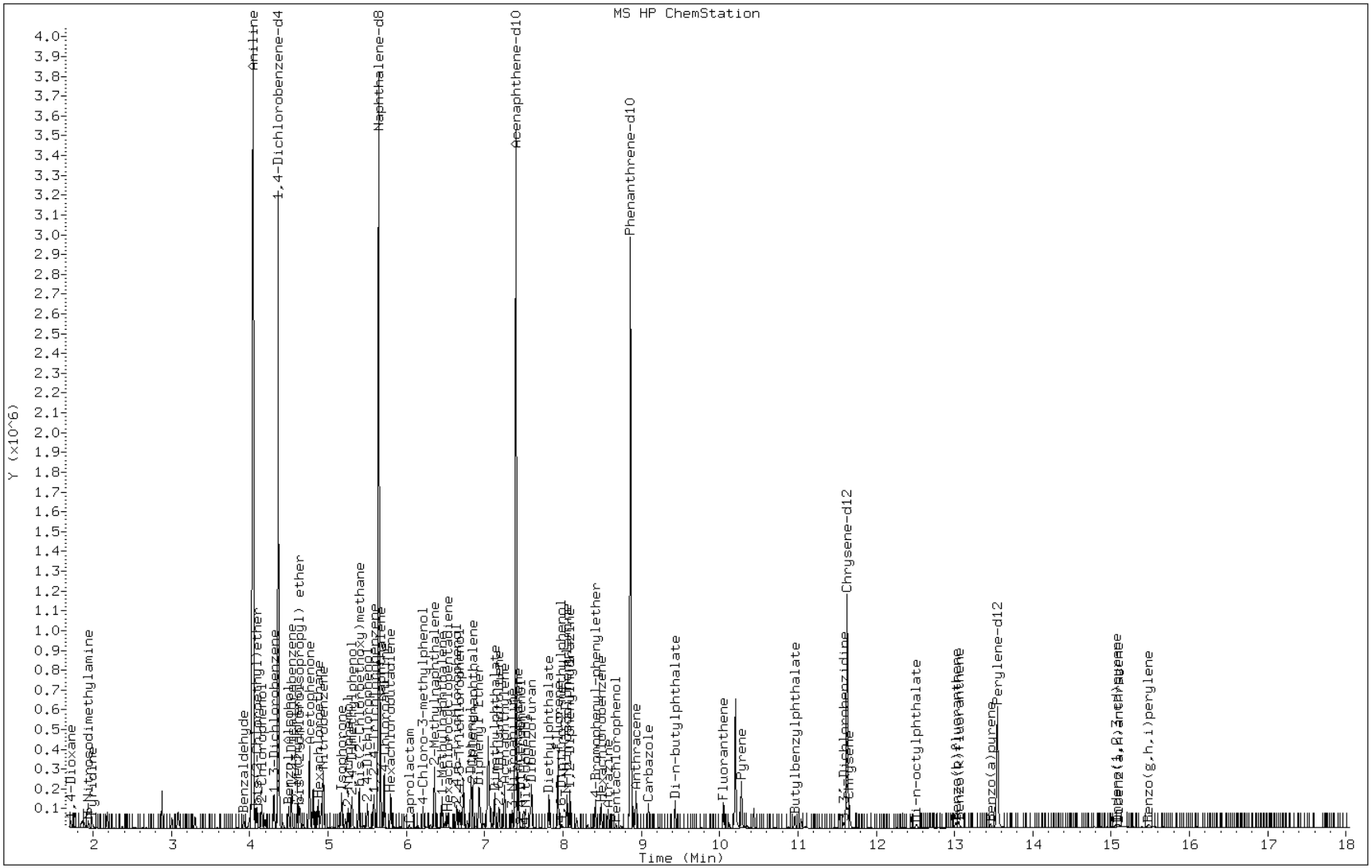
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: z4020.d

Date: 21-SEP-2009 08:19

Client ID: MW-8SR Instrument: BNAMS11.i

Sample Info: 460-5774-H-2-A MS Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-8SR MSD | Lab Sample ID: 460-5774-2 MSD

Matrix: Water | Lab File ID: z4043.d

Analysis Method: 8270C | Date Collected: 09/16/2009 12:40

Extract. Method: 3510C | Date Extracted: 09/18/2009 20:49

Sample wt/vol: 1000(mL) | Date Analyzed: 09/21/2009 22:09

Con. Extract Vol.: 2(mL) | Dilution Factor: 20

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17531 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 3570 | | 100 | 35 |
| 121-69-7 | n,n'-Dimethylaniline | 102 | | 20 | 5.4 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 0 | 64-119 | D |
| 367-12-4 | 2-Fluorophenol | 0 | 15-57 | D |
| 4165-60-0 | Nitrobenzene-d5 | 0 | 69-120 | D |
| 4165-62-2 | Phenol-d5 | 0 | 10-41 | D |
| 1718-51-0 | Terphenyl-d14 | 0 | 38-141 | D |
| 118-79-6 | 2,4,6-Tribromophenol | 0 | 69-127 | D |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/z4043.d
Report Date: 22-Sep-2009 09:01

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/z4043.d
Lab Smp Id: 460-5774-H-2-B MSD  Client Smp ID: MW-8SR
Inj Date  : 21-SEP-2009 22:09
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5774-H-2-B MSD
Misc Info : 460-5774-H-2-B MSD
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/8270C_08SP.m
Meth Date : 21-Sep-2009 16:34 croccom  Quant Type: ISTD
Cal Date  : 21-SEP-2009 15:48  Cal File: z4035.d
Als bottle: 10  QC Sample: MSD
Dil Factor: 20.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 20.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 19 | N-Nitrosodimethylamine | 74 | 1.910 | 1.916 | (0.442) | 13654 | 1.49308 | 60(a) |
| 71 | Pyridine | 79 | 1.952 | 1.940 | (0.452) | 23501 | 1.46229 | 58(a) |
| 110 | Benzaldehyde | 77 | 3.881 | 3.887 | (0.898) | 9780 | 1.12321 | 45(a) |
| 1 | Phenol | 94 | 3.998 | 3.992 | (0.925) | 133877 | 7.62731 | 300(R) |
| 73 | Aniline | 93 | 3.998 | 4.004 | (0.925) | 1900903 | 89.1984 | 3600(R) |
| 20 | bis(2-Chloroethyl)ether | 93 | 4.051 | 4.069 | (0.937) | 38520 | 2.59000 | 100 |
| 2 | 2-Chlorophenol | 128 | 4.110 | 4.128 | (0.951) | 34797 | 2.28215 | 91(a) |
| 21 | 1,3-Dichlorobenzene | 146 | 4.263 | 4.275 | (0.986) | 43871 | 2.37834 | 95(a) |
| * 79 | 1,4-Dichlorobenzene-d4 | 152 | 4.322 | 4.328 | (1.000) | 439809 | 40.0000 | |
| 22 | 1,4-Dichlorobenzene | 146 | 4.340 | 4.345 | (1.004) | 44872 | 2.48049 | 99(a) |
| 74 | Benzyl Alcohol | 108 | 4.451 | 4.475 | (1.030) | 18566 | 2.06033 | 82(a) |
| 23 | 1,2-Dichlorobenzene | 146 | 4.493 | 4.498 | (1.039) | 43023 | 2.55350 | 100(a) |
| 3 | 2-Methylphenol | 108 | 4.569 | 4.592 | (1.057) | 24692 | 2.08649 | 83(a) |
| 24 | bis (2-chloroisopropyl) ether | 45 | 4.593 | 4.604 | (1.063) | 43396 | 2.89964 | 120(a) |
| 104 | Acetophenone | 105 | 4.722 | 4.745 | (1.093) | 53402 | 3.14177 | 120(aR) |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/z4043.d
Report Date: 22-Sep-2009 09:01

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 4 4-Methylphenol | 108 | 4.728 | 4.751 | (1.094) | 22887 | 1.87938 | 75(aH) |
| | 124 3 & 4 methylphenol | 108 | 4.728 | 4.751 | (1.094) | 22887 | 1.87938 | 75(a) |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.722 | 4.751 | (1.093) | 24576 | 2.89954 | 120 |
| | 26 Hexachloroethane | 117 | 4.834 | 4.839 | (1.118) | 17602 | 2.45066 | 98 |
| | 27 Nitrobenzene | 77 | 4.893 | 4.916 | (0.873) | 51462 | 2.53839 | 100 |
| | 107 N,N-Dimethylaniline | 120 | 4.898 | 4.916 | (1.133) | 54084 | 2.54289 | 100 |
| | 28 Isophorone | 82 | 5.134 | 5.157 | (0.916) | 65193 | 2.55307 | 100(a) |
| | 5 2-Nitrophenol | 139 | 5.216 | 5.228 | (0.931) | 17986 | 2.24514 | 90(a) |
| | 6 2,4-Dimethylphenol | 122 | 5.269 | 5.281 | (0.940) | 28881 | 2.43589 | 97(a) |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.357 | 5.369 | (0.956) | 39932 | 2.54244 | 100(a) |
| | 15 Benzoic Acid | 122 | 5.357 | 5.434 | (0.956) | 1399 | 0.28381 | 11(a) |
| | 7 2,4-Dichlorophenol | 162 | 5.463 | 5.475 | (0.975) | 25597 | 2.43636 | 97(a) |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.551 | 5.557 | (0.991) | 32229 | 2.40459 | 96 |
| * | 80 Naphthalene-d8 | 136 | 5.604 | 5.610 | (1.000) | 1587295 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.622 | 5.634 | (1.003) | 124377 | 2.96870 | 120(aR) |
| | 32 4-Chloroaniline | 127 | 5.681 | 5.692 | (1.014) | 76151 | 4.93022 | 200(R) |
| | 33 Hexachlorobutadiene | 225 | 5.763 | 5.763 | (1.028) | 18666 | 2.32034 | 93 |
| | 111 Caprolactam | 113 | 5.998 | 6.081 | (1.070) | 2132 | 0.72809 | 29(a) |
| | 8 4-Chloro-3-methylphenol | 107 | 6.175 | 6.192 | (1.102) | 25562 | 2.46624 | 99(a) |
| | 34 2-Methylnaphthalene | 142 | 6.322 | 6.328 | (1.128) | 84074 | 3.39671 | 140(aR) |
| | 120 1-Methylnaphthalene | 142 | 6.416 | 6.428 | (1.145) | 32599 | 1.39317 | 56(a) |
| | 35 Hexachlorocyclopentadiene | 237 | 6.487 | 6.492 | (0.881) | 9072 | 1.04616 | 42(a) |
| | 9 2,4,6-Trichlorophenol | 196 | 6.604 | 6.616 | (0.897) | 16800 | 2.31218 | 92(a) |
| | 10 2,4,5-Trichlorophenol | 196 | 6.639 | 6.657 | (0.902) | 16510 | 2.33684 | 93(a) |
| | 102 Diphenyl | 154 | 6.786 | 6.792 | (0.922) | 83670 | 2.78250 | 110(a) |
| | 36 2-Chloronaphthalene | 162 | 6.804 | 6.816 | (0.924) | 60601 | 2.54602 | 100(a) |
| | 103 Diphenyl Ether | 170 | 6.892 | 6.898 | (0.936) | 41650 | 2.54839 | 100(a) |
| | 37 2-Nitroaniline | 65 | 6.904 | 6.916 | (0.938) | 20370 | 2.48372 | 99(a) |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.022 | 7.033 | (0.954) | 8873 | 0.46802 | 19(a) |
| | 38 Dimethylphthalate | 163 | 7.092 | 7.104 | (0.963) | 82630 | 3.65976 | 150(aR) |
| | 40 2,6-Dinitrotoluene | 165 | 7.145 | 7.157 | (0.970) | 12321 | 2.33093 | 93 |
| | 39 Acenaphthylene | 152 | 7.216 | 7.222 | (0.980) | 93582 | 2.59348 | 100(a) |
| | 41 3-Nitroaniline | 138 | 7.310 | 7.328 | (0.993) | 13399 | 2.63254 | 100(aR) |
| * | 82 Acenaphthene-d10 | 164 | 7.363 | 7.363 | (1.000) | 760401 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.386 | 7.398 | (1.003) | 59360 | 2.88317 | 120(a) |
| | 11 2,4-Dinitrophenol | 184 | 7.416 | 7.422 | (1.007) | 2100 | 0.83885 | 34(aR) |
| | 12 4-Nitrophenol | 65 | 7.486 | 7.498 | (1.017) | 2477 | 0.71227 | 28(a) |
| | 44 2,4-Dinitrotoluene | 165 | 7.545 | 7.551 | (1.025) | 14587 | 2.39630 | 96 |
| | 43 Dibenzofuran | 168 | 7.557 | 7.569 | (1.026) | 82822 | 2.84595 | 110(aR) |
| | 45 Diethylphthalate | 149 | 7.786 | 7.798 | (1.058) | 59573 | 2.76741 | 110(aR) |
| | 47 Fluorene | 166 | 7.898 | 7.904 | (1.073) | 62284 | 2.81016 | 110(aR) |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.898 | 7.904 | (1.073) | 29986 | 2.83147 | 110(a) |
| | 48 4-Nitroaniline | 138 | 7.910 | 7.928 | (1.074) | 11448 | 2.60858 | 100(a) |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.945 | 7.957 | (0.901) | 3432 | 1.09543 | 44(aR) |
| | 49 N-Nitrosodiphenylamine | 169 | 8.016 | 8.022 | (0.909) | 41370 | 2.86882 | 110(aR) |
| | 75 1,2-Diphenylhydrazine | 77 | 8.051 | 8.063 | (0.913) | 67418 | 2.50177 | 100(a) |
| | 50 4-Bromophenyl-phenylether | 248 | 8.380 | 8.386 | (0.950) | 15341 | 2.43532 | 97(a) |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09a.b/z4043.d
Report Date: 22-Sep-2009 09:01

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 51 Hexachlorobenzene | 284 | 8.445 | 8.451 | (0.957) | 15195 | 2.54399 | 100 |
| | 112 Atrazine | 200 | 8.539 | 8.551 | (0.968) | 9903 | 2.18652 | 87(a) |
| | 14 Pentachlorophenol | 266 | 8.639 | 8.645 | (0.979) | 3602 | 1.13686 | 45(aR) |
| * | 83 Phenanthrene-d10 | 188 | 8.822 | 8.827 | (1.000) | 975787 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.845 | 8.851 | (1.003) | 75819 | 2.71445 | 110(a) |
| | 53 Anthracene | 178 | 8.892 | 8.898 | (1.008) | 73259 | 2.62625 | 100(a) |
| | 54 Carbazole | 167 | 9.051 | 9.057 | (1.026) | 57521 | 2.61151 | 100(a) |
| | 55 Di-n-butylphthalate | 149 | 9.398 | 9.404 | (1.065) | 71717 | 2.41680 | 97(a) |
| | 56 Fluoranthene | 202 | 10.016 | 10.021 | (1.135) | 60357 | 2.60351 | 100(a) |
| | 58 Benzidine | 184 | 10.145 | 10.145 | (1.150) | 11908 | 4.89073 | 200(R) |
| | 57 Pyrene | 202 | 10.239 | 10.245 | (0.884) | 61390 | 2.89456 | 120(aR) |
| | 59 Butylbenzylphthalate | 149 | 10.922 | 10.921 | (0.943) | 19236 | 2.19505 | 88(a) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.539 | 11.545 | (0.996) | 8923 | 2.15588 | 86(a) |
| | 61 Benzo(a)anthracene | 228 | 11.569 | 11.574 | (0.999) | 35389 | 2.41768 | 97 |
| * | 81 Chrysene-d12 | 240 | 11.580 | 11.586 | (1.000) | 521140 | 40.0000 | |
| | 62 Chrysene | 228 | 11.610 | 11.616 | (1.003) | 36622 | 2.69938 | 110(a) |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.616 | 11.616 | (1.003) | 23894 | 2.14364 | 86(a) |
| | 64 Di-n-octylphthalate | 149 | 12.468 | 12.468 | (0.924) | 21981 | 1.50388 | 60(aR) |
| | 65 Benzo(b)fluoranthene | 252 | 12.968 | 12.974 | (0.961) | 20226 | 2.01007 | 80 |
| | 66 Benzo(k)fluoranthene | 252 | 13.004 | 13.010 | (0.964) | 24344 | 2.37656 | 95 |
| | 67 Benzo(a)pyrene | 252 | 13.410 | 13.415 | (0.994) | 14274 | 1.70109 | 68 |
| * | 84 Perylene-d12 | 264 | 13.492 | 13.492 | (1.000) | 316150 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 14.992 | 14.998 | (1.111) | 15567 | 2.11731 | 85 |
| | 69 Dibenz(a,h)anthracene | 278 | 15.033 | 15.033 | (1.114) | 11817 | 1.61310 | 64 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.404 | 15.415 | (1.142) | 12349 | 1.72036 | 69(a) |

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: z4043.d

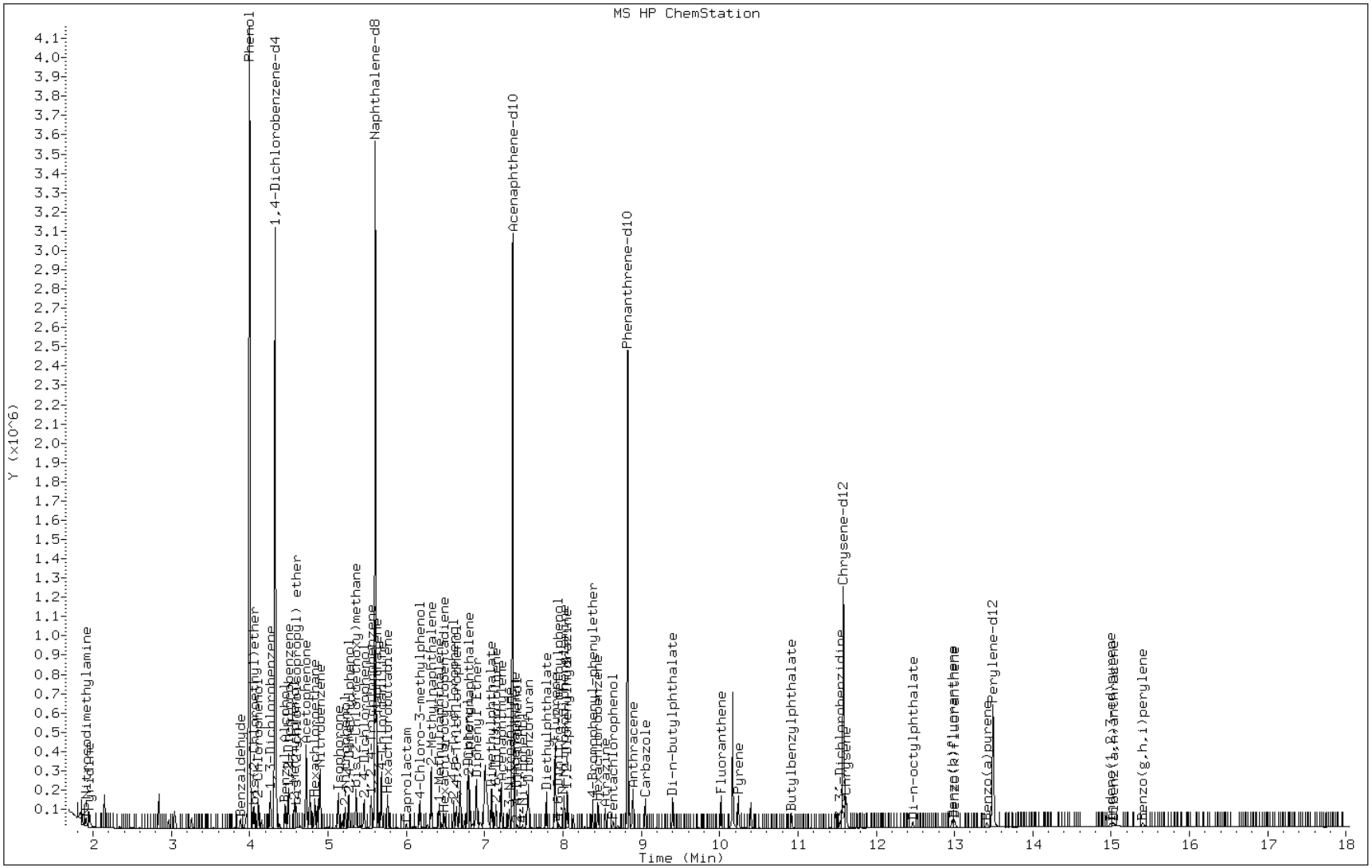
Date: 21-SEP-2009 22:09

Client ID: MW-8SR

Instrument: BNAMS11.i

Sample Info: 460-5774-H-2-B MSD

Operator: BNAMS 4



TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/14sep09.b

Date Generated: 09/16/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/14/09 0855 | z3791.d | 1 | DFTPP-61180 | | | 0 | 0 | 1 | 2.0 | all | 4378 | a |
| 09/14/09 0914 | z3792.d | 2 | ICIS-154120 | | | 1000 | 2 | 1 | 1.0 | all | 4392 | NA.X |
| 09/14/09 0946 | z3793.d | 3 | ICIS-154120 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1020 | z3794.d | 4 | IC-154124 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1044 | z3795.d | 5 | IC-154121 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1109 | z3796.d | 6 | IC-154123 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1133 | z3797.d | 7 | IC-154122 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1200 | z3798.d | 8 | IC-154125 | | | 1000 | 2 | 1 | 1.0 | all | | NA.X |
| 09/14/09 1248 | z3799.d | 9 | IC-154125 | | | 1000 | 2 | 1 | 1.0 | all | | a |
| 09/14/09 1320 | z3800.d | 10 | icv | 14sep09 | | 1000 | 1 | 1 | 1.0 | all | | a |
| 09/14/09 1402 | z3801.d | 11 | MB 460-16748/1-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | a |
| 09/14/09 1427 | z3802.d | 12 | LCS 460-16748/2-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | a |
| 09/14/09 1451 | z3803.d | 13 | 460-5112-A-34-E | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | a |
| 09/14/09 1516 | z3804.d | 14 | 460-5112-A-34-C MS | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | TSP.X |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/14sep09.b

Date Generated: 09/16/2009



| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/14/09 1541 | z3805.d | 15 | 460-5112-A-34-D MSD | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1605 | z3806.d | 16 | 460-5112-A-35-C | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1630 | z3807.d | 17 | 460-5495-A-1-C | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1654 | z3808.d | 18 | 460-5523-A-2-F | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1719 | z3809.d | 19 | LB 460-16592/1-B | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1743 | z3810.d | 20 | MB 460-16763/1-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1808 | z3811.d | 21 | LCS 460-16763/2-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1832 | z3812.d | 22 | LCSD 460-16763/3-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1856 | z3813.d | 23 | 460-5188-A-1-H | 460-16763 | 09/11/09 | 990 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1921 | z3814.d | 24 | LB 460-16594/1-B | 14sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | TSP. x |
| 09/14/09 1945 | z3815.d | 25 | MB 460-16765/1-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | all | | TSP. x |
| 09/14/09 2010 | z3816.d | 26 | LCS 460-16765/2-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | all | | TSP. x |
| 09/14/09 2035 | z3817.d | 27 | LCSD 460-16765/3-A | 14sep09 | | 1000 | 2 | 1 | 1.0 | all | | TSP. x |
| 09/14/09 2100 | z3818.d | 28 | 460-5520-C-1-A | 460-16765 | 09/11/09 | 950 | 2 | 1 | 1.0 | all | | TSP. x |

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ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/14sep09.b

Date Generated: 09/16/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/14/09 2124 | z3819.d | 29 | 460-5529-F-1-A | 460-16765 | 09/11/09 | 990 | 2 | 1 | 1.0 | all | ✓ | ZSP. X |
| 09/14/09 2149 | z3820.d | 30 | blk | 14sep09 | ✓ | 1000 | 2 | 1 | 1.0 | all | ✓ | NO WH. X |

Signed: W Read and Understood by:

Date: 9/16/09 Date: 9-16-09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/19sep09.b

Date Generated: 09/20/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/19/09 1232 | z3967.d | 1 | DFTPP-61180 | | | 0 | 0 | 1 | 2.0 | all | 4378 | a |
| 09/19/09 1252 | z3968.d | 2 | CCIS-154120 | | | 1000 | 2 | 1 | 1.0 | all | 4378 | a |
| 09/19/09 1331 | z3969.d | 3 | MB 460-17400/1-A | 19sep09 | | 1000 | 2 | 1 | 1.0 | all | | RR Surr |
| 09/19/09 1525 | z3970.d | 4 | LCS 460-17400/2-A | 19sep09 | | 1000 | 2 | 1 | 1.0 | all | | RR Surr |
| 09/19/09 1548 | z3971.d | 5 | 460-5774-H-2-C | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | RR 20x · x |
| 09/19/09 1612 | z3972.d | 6 | 460-5774-H-2-A MS | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | RR 20x · x |
| 09/19/09 1637 | z3973.d | 7 | 460-5774-H-2-B MSD | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | RR 20x x |
| 09/19/09 1701 | z3974.d | 8 | 460-5774-H-1-A | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | RR 10x · x |
| 09/19/09 1725 | z3975.d | 9 | 460-5774-H-3-A | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/19/09 1749 | z3976.d | 10 | 460-5774-H-4-A | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/19/09 1813 | z3977.d | 11 | 460-5774-H-5-A | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/19/09 1838 | z3978.d | 12 | 460-5774-H-6-A | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/19/09 1902 | z3979.d | 13 | 460-5774-H-7-A | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/19/09 1926 | z3980.d | 14 | 460-5774-H-8-A | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | G |

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ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/19sep09.b

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/19/09 1950 | z3981.d | 15 | 460-5774-H-9-A | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | RE10X.X |
| 09/19/09 2015 | z3982.d | 16 | 460-5840-D-13-A | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/19/09 2039 | z3983.d | 17 | 460-5849-D-20-A | 460-17400 | 09/18/09 | 1000 | 2 | 1 | 1.0 | all | | a |

Signed: _____ Read and Understood by: _____

Date: 9/20/09 Date: 9.20-09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/20sep09.b

Date Generated: 09/21/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/20/09 0417 | z3984.d | 1 | DFTPP-61180 | | | 0 | 0 | 1 | 2.0 | all | 4378 | G |
| 09/20/09 0434 | z3985.d | 2 | CCIS-154120 | | | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/20/09 0529 | z3986.d | 3 | MB 460-17400/1-A | 20sep09 | | 1000 | 2 | 1 | 1.0 | all | | RR 1 Surr P |
| 09/20/09 0553 | z3987.d | 4 | LCS 460-17400/2-A | 20sep09 | | 1000 | 2 | 1 | 1.0 | all | | G |
| 09/20/09 0617 | z3988.d | 5 | 460-5774-H-2-C | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all | | G high aniline |
| 09/20/09 0641 | z3989.d | 6 | 460-5774-H-2-A MS | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all | | RR P, X |
| 09/20/09 0705 | z3990.d | 7 | 460-5774-H-2-B MSD | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all | | RR P, X |
| 09/20/09 0729 | z3991.d | 8 | 460-5774-H-1-A | 460-17400 | 09/18/09 | 1000 | 2 | 10 | 1.0 | all | | G high Aniline |
| 09/20/09 0754 | z3992.d | 9 | 460-5774-H-9-A | 460-17400 | 09/18/09 | 1000 | 2 | 10 | 1.0 | all | | RR 20x, X |
| 09/20/09 0818 | z3993.d | 10 | MB 460-17396/1-A | 20sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | RR 1 Surr P |
| 09/20/09 0842 | z3994.d | 11 | LCS 460-17396/2-A | 20sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | G |
| 09/20/09 0907 | z3995.d | 12 | 460-5719-A-6-O | 460-17396 | 09/19/09 | 250 | 2 | 1 | 1.0 | jTCLP | | G |
| 09/20/09 0931 | z3996.d | 13 | 460-5719-A-6-M MS | 460-17396 | 09/19/09 | 250 | 2 | 1 | 1.0 | jTCLP | | G Rerun |
| 09/20/09 0955 | z3997.d | 14 | 460-5719-A-6-N MSD | 460-17396 | 09/19/09 | 250 | 2 | 1 | 1.0 | jTCLP | | G Rerun |

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ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-14-09/20sep09.b

Date Generated: 09/21/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/20/09 1019 | z3998.d | 15 | 460-5744-A-1-C | 460-17396 | 09/19/09 | 250 | 2 | 1 | 1.0 | jTCLP | | G |
| 09/20/09 1044 | z3999.d | 16 | 460-5744-A-2-C | 460-17396 | 09/19/09 | 250 | 2 | 1 | 1.0 | jTCLP | | G |
| 09/20/09 1108 | z4000.d | 17 | 460-5744-A-3-C | 460-17396 | 09/19/09 | 250 | 2 | 1 | 1.0 | jTCLP | | G |
| 09/20/09 1132 | z4001.d | 18 | 460-5745-A-11-D | 460-17396 | 09/19/09 | 250 | 2 | 1 | 1.0 | jTCLP | | G |
| 09/20/09 1156 | z4002.d | 19 | 460-5745-A-12-D | 460-17396 | 09/19/09 | 250 | 2 | 1 | 1.0 | jTCLP | | G |
| 09/20/09 1220 | z4003.d | 20 | LB2 460-17272/1-C | 20sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | RR 1 Surr ↑ |
| 09/20/09 1245 | z4004.d | 21 | LB 460-17272/3-C | 20sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | G |
| 09/20/09 1309 | z4005.d | 22 | LB 460-17376/1-B | 20sep09 | | 1000 | 2 | 1 | 1.0 | jTCLP | | G |
| 09/20/09 1333 | z4006.d | 23 | 460-5842-A-1-C | 460-17396 | 09/19/09 | 250 | 2 | 1 | 1.0 | jTCLP | | RR 5x V. Bad Matrix. X |
| | z4007.d | 1 | | 20sep09 | | 1000 | 2 | 1 | 1.0 | all | | BWLK. X |

Signed: _____ Read and Understood by: _____

Date: 9/21/09 Date: 09.21.09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-21-09/21sep09.b

Date Generated: 09/21/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 0031 | z4009.d | 1 | DFTPP-61180 | | — | 0 | 0 | 1 | 2.0 | all | 4379 | G |
| 09/21/09 0132 | z4010.d | 2 | ICIS-154120 | | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0222 | z4011.d | 3 | IC-154124 | | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0246 | z4012.d | 4 | IC-154121 | | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0310 | z4013.d | 5 | IC-154123 | | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0334 | z4014.d | 6 | IC-154122 | | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0358 | z4015.d | 7 | IC-154125 | | — | 1000 | 2 | 1 | 1.0 | all | 4392 | G |
| 09/21/09 0423 | z4016.d | 8 | icv | 21sep09 | — | 1000 | 1 | 1 | 1.0 | all | 4401 | G |
| 09/21/09 0706 | z4017.d | 9 | MB 460-17294/1-A | 460-17294 | — | 1000 | 2 | 1 | 1.0 | all | — | |
| 09/21/09 0730 | z4018.d | 10 | LCS 460-17294/2-A | 460-17294 | — | 1000 | 2 | 1 | 1.0 | all | — | |
| 09/21/09 0754 | z4019.d | 11 | MB 460-17400/1-A | 460-17400 | — | 1000 | 2 | 1 | 1.0 | all | — | |
| 09/21/09 0819 | z4020.d | 12 | 460-5774-H-2-A MS | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all | — | |
| 09/21/09 0844 | z4021.d | 13 | 460-5774-H-2-B MSD | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all | — | |
| 09/21/09 0908 | z4022.d | 14 | MB 460-17396/1-A | 460-17396 | — | 250 | 2 | 1 | 1.0 | jTCLP | — | |

8270 range good except a
1) 1,4-Dioxane
2) benzaldehyde
3) benzoic acid
4) benzidine

Outside 6c limits for 3 Paired range compounds

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TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-21-09/21sep09.b

Date Generated: 09/21/2009

Page 2

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 0933 | z4023.d | 15 | LB2 460-17272/1-C | 460-17396 | — | 250 | 2 | 1 | 1.0 | jTCLP | — | RR 2surr WSN<br>RR 1surr WSN @ 9/21/09 |
| 09/21/09 0958 | z4024.d | 16 | 460-5722-H-3-C | 460-17294 | 09/17/09 | 1000 | 2 | 10 | 1.0 | all | — | 6 surr diluted out |
| 09/21/09 1022 | z4025.d | 17 | 460-5722-H-3-A MS | 460-17294 | 09/17/09 | 1000 | 2 | 10 | 1.0 | all | — | 6 surr diluted out |
| 09/21/09 1046 | z4026.d | 18 | 460-5722-H-3-B MSD | 460-17294 | 09/17/09 | 1000 | 2 | 10 | 1.0 | all | — | 6 surr diluted out |
| 09/21/09 1111 | z4027.d | 19 | 460-5722-H-4-A | 460-17294 | 09/17/09 | 1000 | 2 | 10 | 1.0 | all | — | 6 surr diluted out |
| 09/21/09 1135 | z4028.d | 20 | 460-5774-H-9-A | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all | — | 6 surr diluted out |
| 09/21/09 1201 | z4029.d | 21 | 460-5842-A-1-C | 460-17396 | 09/19/09 | 250 | 2 | 5 | 1.0 | jTCLP | — | RR 10x |
| 09/21/09 1230 | z4030.d | 22 | MB 460-17396/1-A | 460-17396 | — | ~~1000~~ 250 @ 9/21/09 | 2 | 1 | 1.0 | ~~all~~ jTCLP | — | RR 2surr high in TCLP |
| 09/21/09 1255 | z4031.d | 23 | 460-5774-H-2-B MSD | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all @ 9/24 | — | NR Outside DPOP #'s |

Signed: Michael Lucas Read and Understood by:

Date: 9/21/09 Date: 9-22-09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/09-21-09/21sep09a.b

Date Generated: 09/22/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 1359 | z4032.d | 1 | DFTPP-61180 | — | — | 0 | 0 | 1 | 2.0 | all | 4379 | NG |
| 09/21/09 1414 | z4033.d | 2 | CCIS-154120 | — | — | 1000 | 2 | 1 | 1.0 | all | 4382 | NG Redo maintenance |
| 09/21/09 1533 | z4034.d | 1 | DFTPP-61180 | — | — | 0 | 0 | 1 | 2.0 | all | 4379 | 6 |
| 09/21/09 1548 | z4035.d | 2 | CCVIS-154120 | — | — | 1000 | 2 | 1 | 1.0 | all | 4382 | no IS Dioxane, benzaldehyde 6 boronic acid, benzidine |
| 09/21/09 1634 | z4036.d | 3 | MB 460-17294/1-A | 460-17294 | — | 1000 | 2 | 1 | 1.0 | all | — | RE surr fail in TICS |
| 09/21/09 1701 | z4037.d | 4 | MB 460-17396/1-A | 460-17396 | — | 250 | 2 | 1 | 1.0 | jTCLP | — | NG ↓ |
| 09/21/09 1736 | z4038.d | 5 | LB2 460-17272/1-C | 460-17396 M 9/22/09 | — | 250 | 2 | 1 | 1.0 | jTCLP | — | power failure |
| 09/21/09 1804 | z4039.d | 6 | LB2 460-17272/1-C | 460-17396 | — | 250 | 2 | 1 | 1.0 | jTCLP | — | NG surr high |
| 09/21/09 1828 | z4040.d | 7 | LB 460-17272/3-C | 460-17396 | — | 250 | 2 | 1 | 1.0 | all | — | ↓ |
| 09/21/09 1852 | z4041.d | 8 | MB 460-17294/1-A | 460-17294 | — | 1000 | 2 | 1 | 1.0 | all | — | NG surr high |
| 09/21/09 1917 | z4042.d | 9 | 460-5842-A-1-C | 460-17396 | 09/19/09 | 250 | 2 | 10 | 1.0 | all | — | bad matrix RESDO - no data collected |
| 09/21/09 2209 | z4043.d | 10 | 460-5774-H-2-B MSD | 460-17400 | 09/18/09 | 1000 | 2 | 20 | 1.0 | all | — | 6 surr diluted out |
| 09/21/09 2234 | z4044.d | 11 | 460-5523-A-1-C | 460-16748 | 09/11/09 | 250 | 2 | 1 | 1.0 | jTCLP | — | RR2 sent to RES Acid surr fail low |

Signed: Michael Rocco Read and Understood by: W. [illegible]

Date: 9/22/09 Date: 9-22-09

# Organic Prep Worksheet

Batch Number: 460-17400
Method: 3510C
Analyst: Gayo, Rey

Date Open: Sep 18 2009 8:49PM
Batch End:

| Lab ID | Client ID | Method Chain | Basis | pH of the sample at receipt | Initial weight/volume of sample | Final weight/volume of sample | pH of the sample after first adjustment | pH of the sample after the second adjust | OP625/82SP_00007 |
|---|---|---|---|---|---|---|---|---|---|
| MB~460-17400/1 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | |
| LCS~460-17400/2 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| 460-5774-H-7 | MW-33 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5774-H-2~MS | MW-8SR | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| 460-5774-H-2~MSD | MW-8SR | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| 460-5774-H-2 | MW-8SR | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5774-H-1 | MW-27 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5774-H-3 | MW-29 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5774-H-4 | MW-3S | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5774-H-5 | MW-30 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5774-H-9 | DUP-091609 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5774-H-8 | MW-28 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5774-H-6 | MW-1 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5840-D-13 | FB091709 | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5849-D-20 | FB 091809 | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |

# Organic Prep Worksheet

Batch Number: 460-17400
Method: 3510C
Analyst: Gayo, Rey

Date Open: Sep 18 2009 8:49PM
Batch End:

| Lab ID | Client ID | Method Chain | Basis | OP625/82SU_00006 |
|---|---|---|---|---|
| MB~460-17400/1 | | 3510C, 8270C | | 1 mL |
| LCS~460-17400/2 | | 3510C, 8270C | | 1 mL |
| 460-5774-H-7 | MW-33 | 3510C, 8270C | T | 1 mL |
| 460-5774-H-2~MS | MW-8SR | 3510C, 8270C | T | 1 mL |
| 460-5774-H-2~MSD | MW-8SR | 3510C, 8270C | T | 1 mL |
| 460-5774-H-2 | MW-8SR | 3510C, 8270C | T | 1 mL |
| 460-5774-H-1 | MW-27 | 3510C, 8270C | T | 1 mL |
| 460-5774-H-3 | MW-29 | 3510C, 8270C | T | 1 mL |
| 460-5774-H-4 | MW-3S | 3510C, 8270C | T | 1 mL |
| 460-5774-H-5 | MW-30 | 3510C, 8270C | T | 1 mL |
| 460-5774-H-9 | DUP-091609 | 3510C, 8270C | T | 1 mL |
| 460-5774-H-8 | MW-28 | 3510C, 8270C | T | 1 mL |
| 460-5774-H-6 | MW-1 | 3510C, 8270C | T | 1 mL |
| 460-5840-D-13 | FB091709 | | T | 1 mL |
| 460-5849-D-20 | FB 091809 | | T | 1 mL |

| | |
|---|---|
| Person's name who did the prep: | Rey Gayo |
| Prep Solvent Name: | MeCl2 |
| Prep Solvent Lot #: | H22S00 |
| Prep Solvent Volume Used: | 3*60 mL |
| Person's name who witnessed reagent drop: | JS |
| Acid used for pH adjustment: | H2SO4 |
| Acid used for pH adjust Lot #: | G20022 |
| Base used for pH adjustment: | NaOH |
| Base used for pH adjust Lot #: | OPO76 |
| Person's name who did the concentration: | RG |
| Concentration Start Time: | 22:00 |
| Concentration End Time: | 01:00 |
| Na2SO4 Lot Number: | H12597 |
| Oven, Bath or Block Temperature 1: | 35c |
| Sufficient volume for MS/MSD?: | yes |

# GC VOA

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.53 (mm)

| Client Sample ID | Lab Sample ID | 1Pent1 # |
|---|---|---|
| MW-27 | 460-5774-1 | 102 |
| MW-8SR | 460-5774-2 | 110 |
| MW-29 | 460-5774-3 | 103 |
| MW-3S | 460-5774-4 | 101 |
| MW-30 | 460-5774-5 | 104 |
| MW-1 | 460-5774-6 | 102 |
| MW-33 | 460-5774-7 | 106 |
| MW-28 | 460-5774-8 | 107 |
| DUP-091609 | 460-5774-9 | 101 |
| | MB 460-17320/17 | 99 |
| | LCS 460-17320/4 | 97 |
| | LCSD 460-17320/5 | 103 |
| MW-8SR MS | 460-5774-2 MS | 96 |
| MW-8SR MSD | 460-5774-2 MSD | 104 |

| | QC LIMITS |
|---|---|
| 1Pent = 1-Pentanol | 52-122 |

# Column to be used to flag recovery values

FORM II 8015B

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4078.d

Lab ID: LCS 460-17320/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methanol | 5000 | 5450 | 109 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GC VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4079.d

Lab ID: LCSD 460-17320/5 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methanol | 5000 | 4740 | 95 | 14 | 30 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4080.d

Lab ID: 460-5774-2 MS Client ID: MW-8SR MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methanol | 5000 | 500 U | 3990 | 80 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4081.d

Lab ID: 460-5774-2 MSD Client ID: MW-8SR MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methanol | 5000 | 3990 | 80 | 0 | 30 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: MB 460-17320/17

Matrix: Water Date Extracted:

Lab File ID:(1) gc5f4090.d Lab File ID:(2)

Date Analyzed:(1) 09/17/2009 17:06 Date Analyzed:(2)

Instrument ID:(1) BNAGC5 Instrument ID:(2)

GC Column:(1) Rtx-624 ID: 0.53(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|
| | LCS 460-17320/4 | 09/17/2009 15:51 | |
| | LCSD 460-17320/5 | 09/17/2009 15:57 | |
| MW-8SR MS | 460-5774-2 MS | 09/17/2009 16:04 | |
| MW-8SR MSD | 460-5774-2 MSD | 09/17/2009 16:10 | |
| MW-27 | 460-5774-1 | 09/17/2009 16:22 | |
| MW-8SR | 460-5774-2 | 09/17/2009 16:28 | |
| MW-29 | 460-5774-3 | 09/17/2009 16:35 | |
| MW-3S | 460-5774-4 | 09/17/2009 16:41 | |
| MW-30 | 460-5774-5 | 09/17/2009 16:47 | |
| MW-1 | 460-5774-6 | 09/17/2009 17:30 | |
| MW-33 | 460-5774-7 | 09/17/2009 17:37 | |
| MW-28 | 460-5774-8 | 09/17/2009 17:43 | |
| DUP-091609 | 460-5774-9 | 09/17/2009 17:49 | |

FORM VIII
HYDROCARBONS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Instrument ID: BNAGC5 Calibration Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calibration End Date: 09/16/2009 15:51

Calibration ID: 3106

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | 1Pent RT # | | |
|---|---|---|---|---|---|---|
| SURROGATE RT FROM CONTINUING CALIBRATION | | | | 3.77 | | |
| UPPER LIMIT | | | | 3.87 | | |
| LOWER LIMIT | | | | 3.67 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 460-17320/3 | | 09/17/2009 15:45 | gc5f4077.d | 3.77 | | |
| LCS 460-17320/4 | | 09/17/2009 15:51 | gc5f4078.d | 3.75 | | |
| LCSD 460-17320/5 | | 09/17/2009 15:57 | gc5f4079.d | 3.73 | | |
| 460-5774-2 MS | MW-8SR MS | 09/17/2009 16:04 | gc5f4080.d | 3.72 | | |
| 460-5774-2 MSD | MW-8SR MSD | 09/17/2009 16:10 | gc5f4081.d | 3.73 | | |
| 460-5774-1 | MW-27 | 09/17/2009 16:22 | gc5f4083.d | 3.71 | | |
| 460-5774-2 | MW-8SR | 09/17/2009 16:28 | gc5f4084.d | 3.72 | | |
| 460-5774-3 | MW-29 | 09/17/2009 16:35 | gc5f4085.d | 3.73 | | |
| 460-5774-4 | MW-3S | 09/17/2009 16:41 | gc5f4086.d | 3.72 | | |
| 460-5774-5 | MW-30 | 09/17/2009 16:47 | gc5f4087.d | 3.72 | | |
| MB 460-17320/17 | | 09/17/2009 17:06 | gc5f4090.d | 3.72 | | |
| CCV 460-17320/16 | | 09/17/2009 17:12 | gc5f4091.d | 3.72 | | |

1Pent = 1-Pentanol

1Pent RT Limit = ± 0.10 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII 8015B

FORM VIII
HYDROCARBONS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Instrument ID: BNAGC5 Calibration Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calibration End Date: 09/16/2009 15:51

Calibration ID: 3106

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | 1Pent RT # | | |
|---|---|---|---|---|---|---|
| SURROGATE RT FROM CONTINUING CALIBRATION | | | | 3.72 | | |
| UPPER LIMIT | | | | 3.82 | | |
| LOWER LIMIT | | | | 3.62 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 460-17321/11 | | 09/17/2009 17:12 | gc5f4091.d | 3.72 | | |
| 460-5774-6 | MW-1 | 09/17/2009 17:30 | gc5f4094.d | 3.72 | | |
| 460-5774-7 | MW-33 | 09/17/2009 17:37 | gc5f4095.d | 3.73 | | |
| 460-5774-8 | MW-28 | 09/17/2009 17:43 | gc5f4096.d | 3.73 | | |
| 460-5774-9 | DUP-091609 | 09/17/2009 17:49 | gc5f4097.d | 3.73 | | |
| CCV 460-17321/10 | | 09/17/2009 18:14 | gc5f4101.d | 3.73 | | |

1Pent = 1-Pentanol

1Pent RT Limit = ± 0.10 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII 8015B

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-27  Lab Sample ID: 460-5774-1

Matrix: Water  Lab File ID: gc5f4083.d

Analysis Method: 8015B  Date Collected: 09/16/2009 14:45

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 16:22

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17320  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 102 | 52-122 | |

Data File: gc5f4083.d
Report Date: 18-Sep-2009 08:06

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4083.d
Lab Smp Id: 460-5774-F-1 Client Smp ID: MW-27
Inj Date : 17-SEP-2009 16:22
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5774-F-1
Misc Info : 460-5774-F-1
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:06 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.712 | 3.766 | -0.054 | 27594 | 5115.90 | 5120(M) |

QC Flag Legend

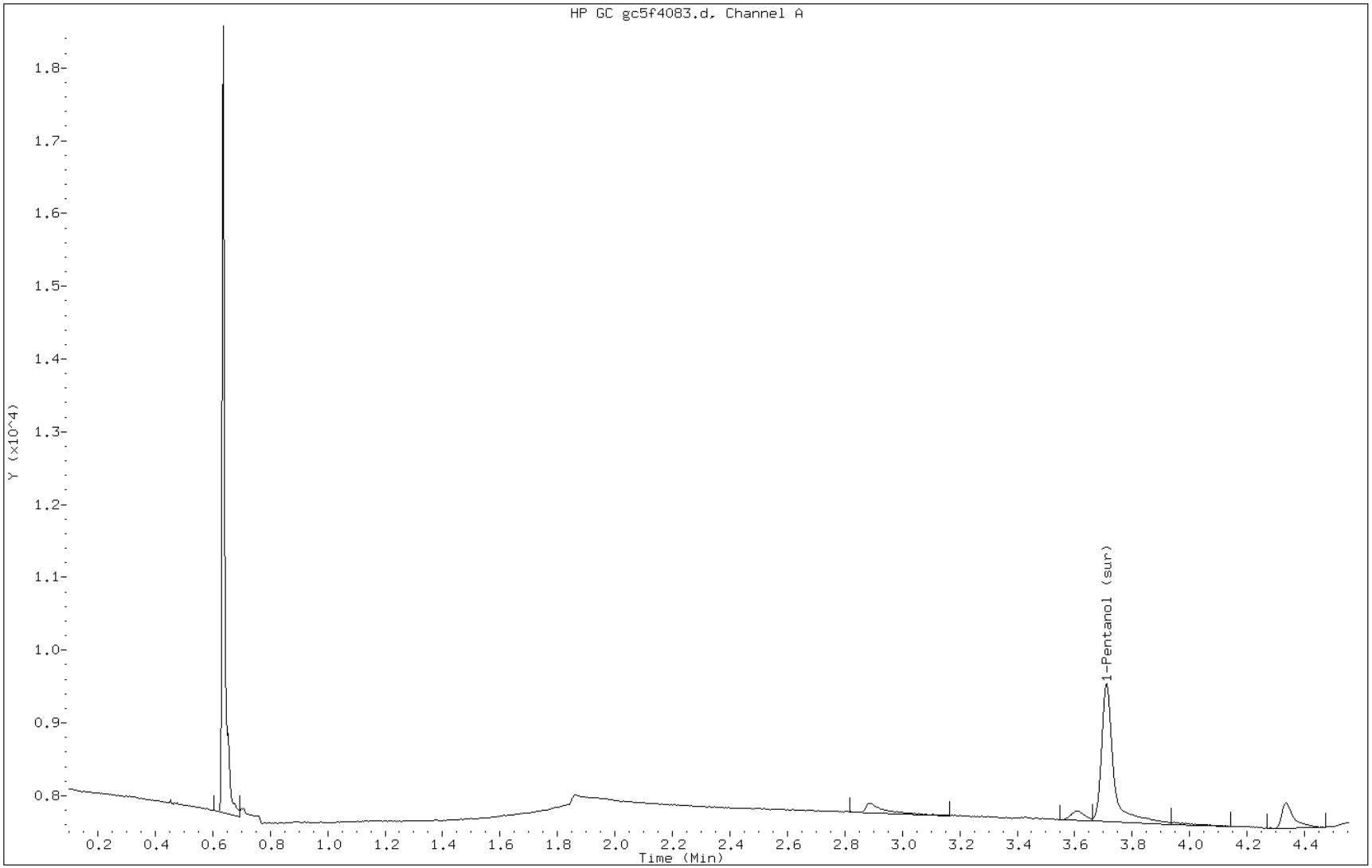
M - Compound response manually integrated.

Data File: gc5f4083.d

Date: 17-SEP-2009 16:22

Client ID: MW-27 Instrument: BNAGC5.i

Sample Info: 460-5774-F-1 Operator: 615



# Manual Integration Report

Data File: gc5f4083.d
Inj. Date and Time: 17-SEP-2009 16:22
Instrument ID: BNAGC5.i
Client ID: MW-27
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 3.72

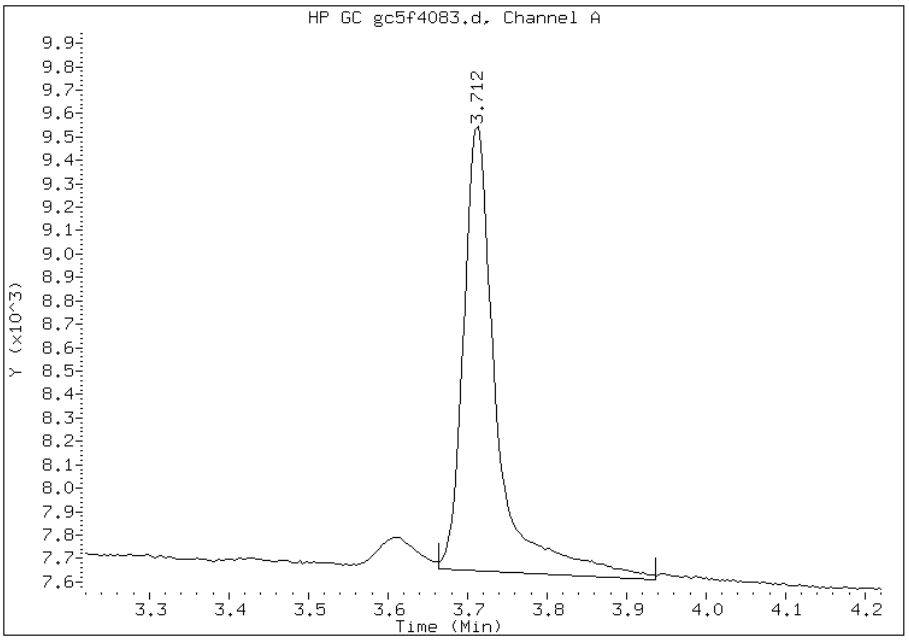
## Manual Integration Results

RT: 3.71

Response: 27594

Amount: 5115.90

Conc: 5115.90




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-8SR Lab Sample ID: 460-5774-2

Matrix: Water Lab File ID: gc5f4084.d

Analysis Method: 8015B Date Collected: 09/16/2009 12:40

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 16:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17320 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 110 | 52-122 | |

Data File: gc5f4084.d
Report Date: 18-Sep-2009 08:06

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4084.d
Lab Smp Id: 460-5774-E-2 Client Smp ID: MW-8SR
Inj Date : 17-SEP-2009 16:28
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5774-E-2
Misc Info : 460-5774-E-2
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:06 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.719 | 3.766 | -0.047 | 29629 | 5493.18 | 5490(M) |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4084.d

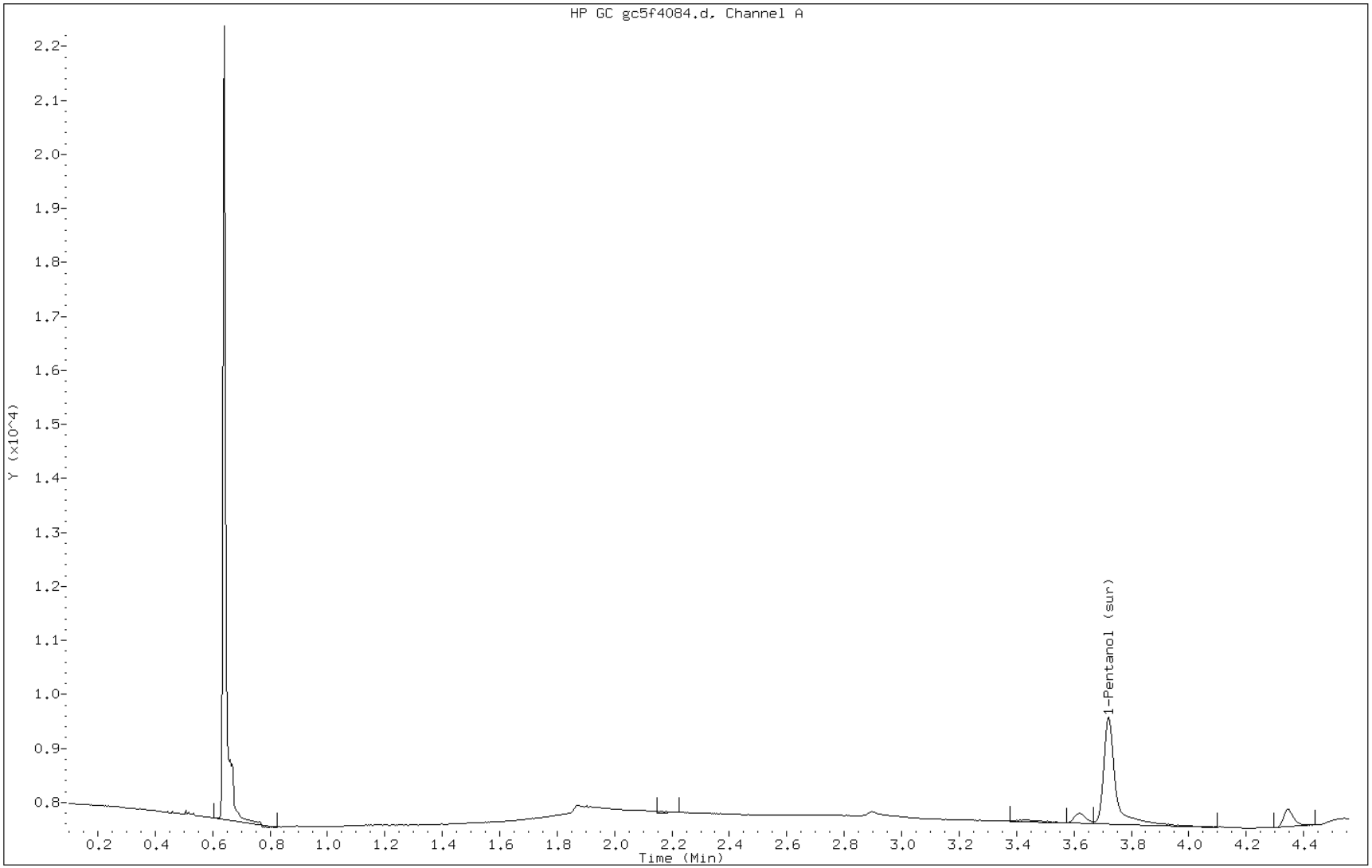
Date: 17-SEP-2009 16:28

Client ID: MW-8SR

Instrument: BNAGC5.i

Sample Info: 460-5774-E-2

Operator: 615



# Manual Integration Report

Data File: gc5f4084.d
Inj. Date and Time: 17-SEP-2009 16:28
Instrument ID: BNAGC5.i
Client ID: MW-8SR
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 3.72

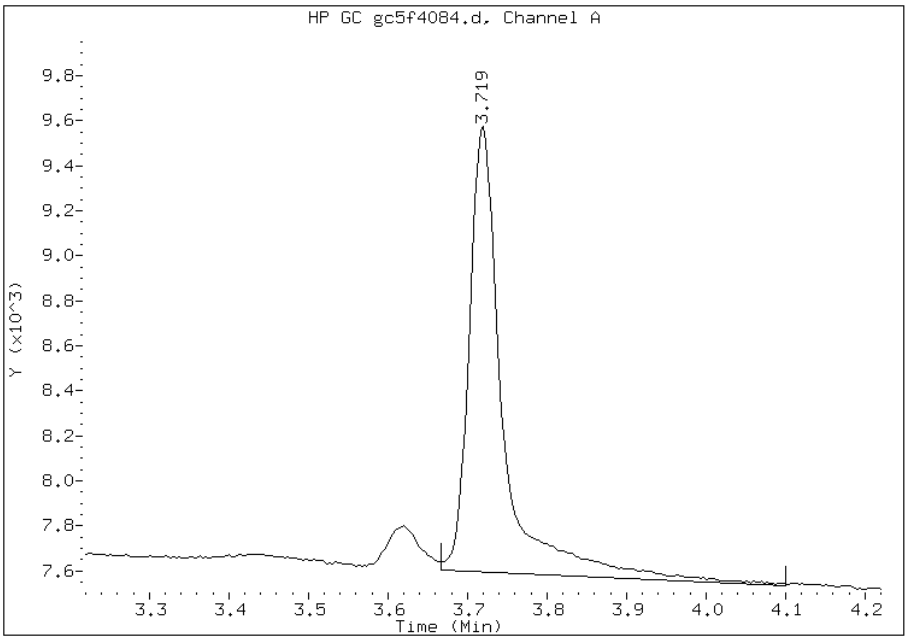
## Manual Integration Results

RT: 3.72

Response: 29629

Amount: 5493.18

Conc: 5493.18




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-29 Lab Sample ID: 460-5774-3

Matrix: Water Lab File ID: gc5f4085.d

Analysis Method: 8015B Date Collected: 09/16/2009 11:55

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 16:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17320 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 103 | 52-122 | |

Data File: gc5f4085.d
Report Date: 18-Sep-2009 08:07

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4085.d
Lab Smp Id: 460-5774-D-3 Client Smp ID: MW-29
Inj Date : 17-SEP-2009 16:35
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5774-D-3
Misc Info : 460-5774-D-3
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:07 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.726 | 3.766 | -0.040 | 27795 | 5153.16 | 5150(M) |

QC Flag Legend

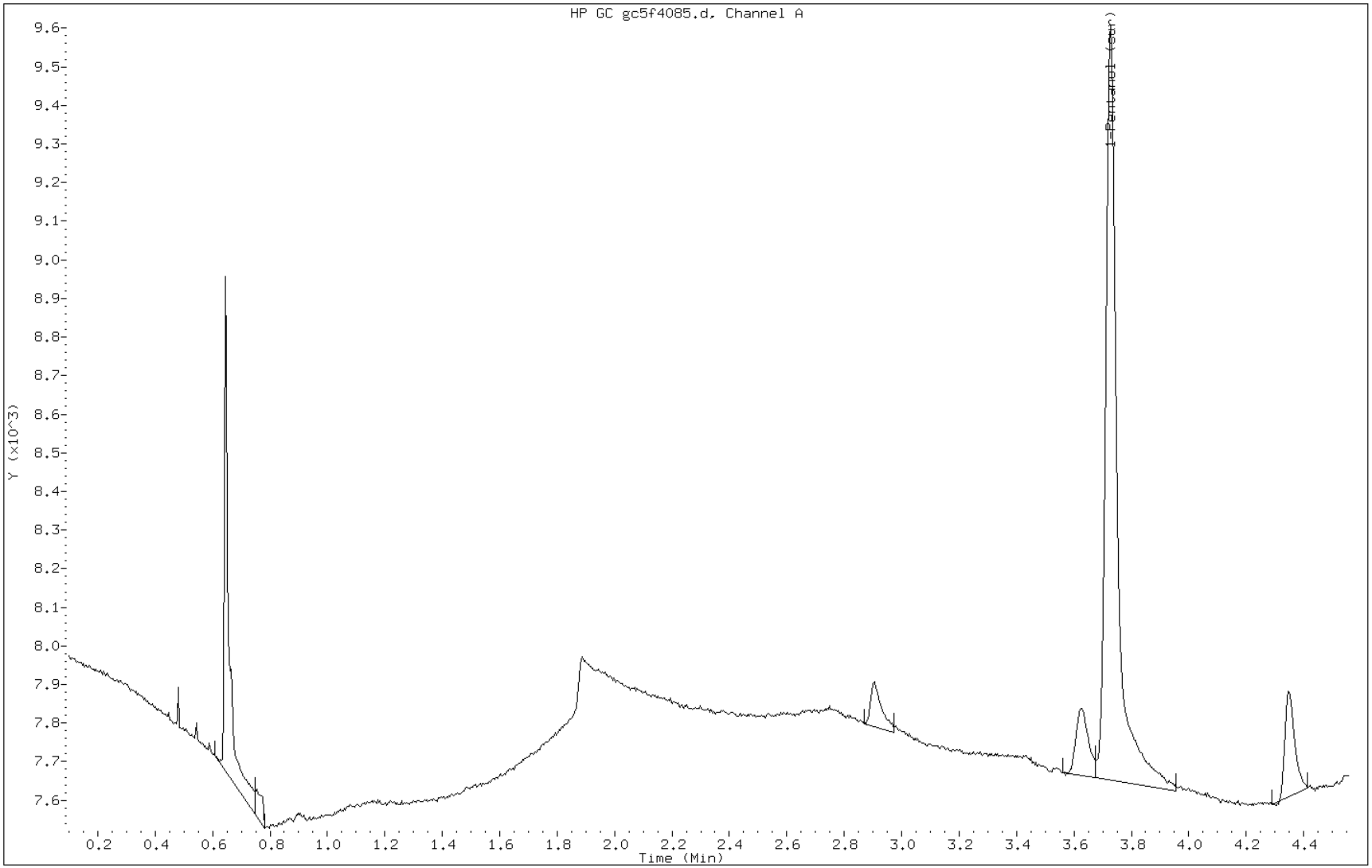
M - Compound response manually integrated.

Data File: gc5f4085.d

Date: 17-SEP-2009 16:35

Client ID: MW-29 Instrument: BNAGC5.i

Sample Info: 460-5774-D-3 Operator: 615



# Manual Integration Report

Data File: gc5f4085.d
Inj. Date and Time: 17-SEP-2009 16:35
Instrument ID: BNAGC5.i
Client ID: MW-29
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 3.72

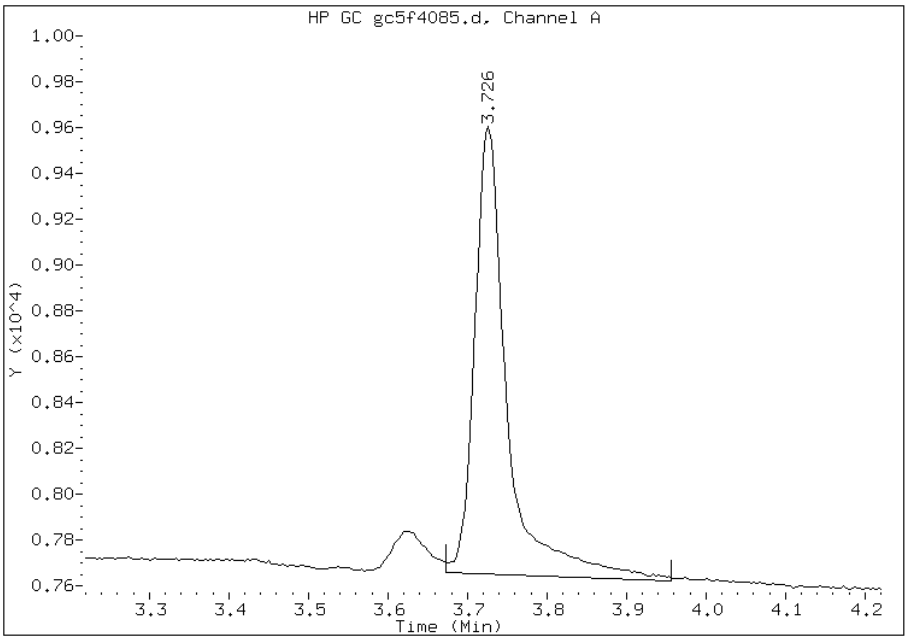
## Manual Integration Results

RT: 3.73

Response: 27795

Amount: 5153.16

Conc: 5153.16




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-3S Lab Sample ID: 460-5774-4

Matrix: Water Lab File ID: gc5f4086.d

Analysis Method: 8015B Date Collected: 09/16/2009 11:10

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 16:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17320 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 101 | 52-122 | |

Data File: gc5f4086.d
Report Date: 18-Sep-2009 08:07

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4086.d
Lab Smp Id: 460-5774-E-4 Client Smp ID: MW-3S
Inj Date : 17-SEP-2009 16:41
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5774-E-4
Misc Info : 460-5774-E-4
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:07 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.718 | 3.720 | -0.002 | 27366 | 5073.63 | 5070(M) |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4086.d

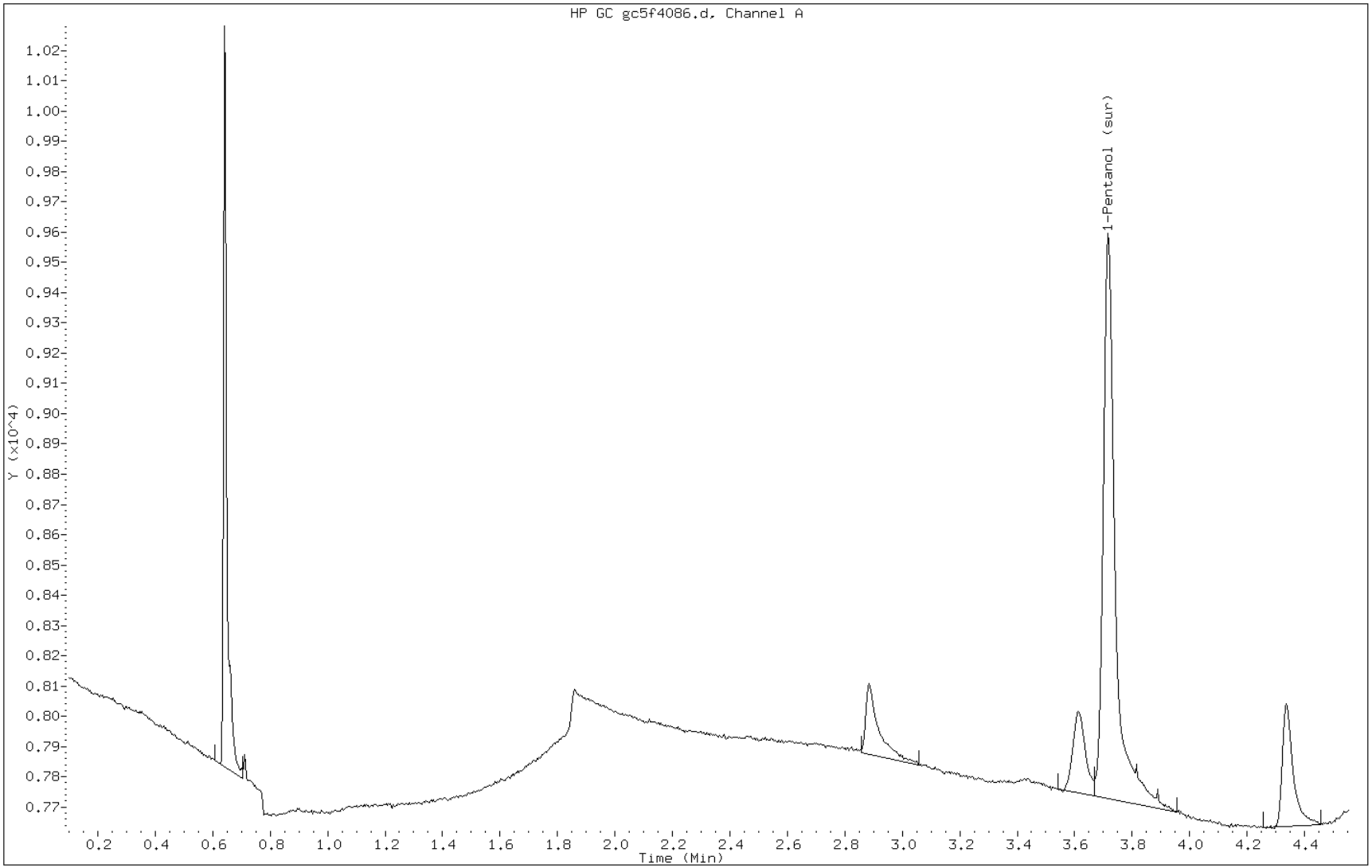
Date: 17-SEP-2009 16:41

Client ID: MW-3S

Instrument: BNAGC5.i

Sample Info: 460-5774-E-4

Operator: 615



# Manual Integration Report

Data File: gc5f4086.d
Inj. Date and Time: 17-SEP-2009 16:41
Instrument ID: BNAGC5.i
Client ID: MW-3S
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 3.72

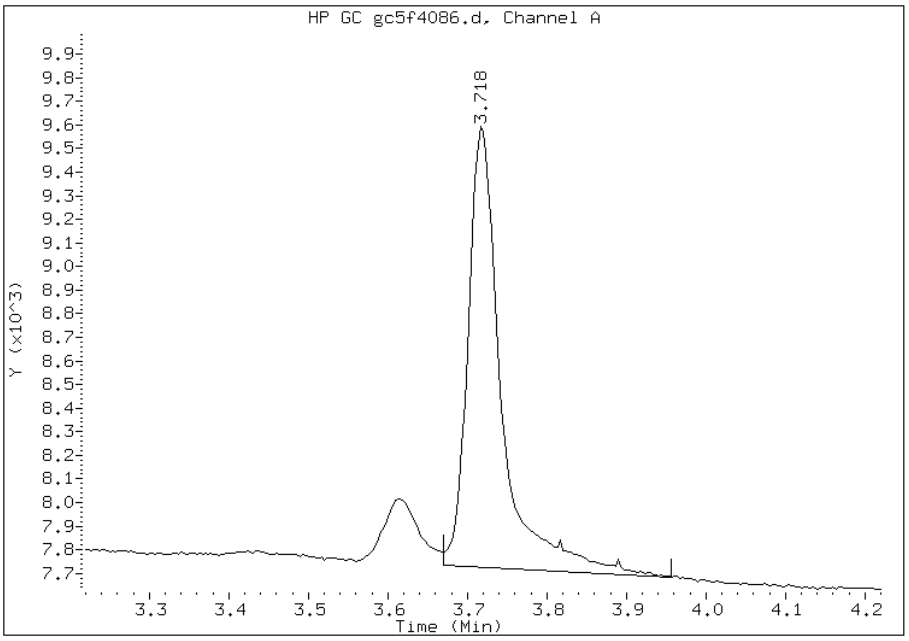
## Manual Integration Results

RT: 3.72

Response: 27366

Amount: 5073.63

Conc: 5073.63




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-30 Lab Sample ID: 460-5774-5

Matrix: Water Lab File ID: gc5f4087.d

Analysis Method: 8015B Date Collected: 09/16/2009 14:10

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 16:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17320 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 104 | 52-122 | |

Data File: gc5f4087.d
Report Date: 18-Sep-2009 08:07

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4087.d
Lab Smp Id: 460-5774-D-5 Client Smp ID: MW-30
Inj Date : 17-SEP-2009 16:47
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5774-D-5
Misc Info : 460-5774-D-5
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:07 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.720 | 3.720 | 0.000 | 27934 | 5178.93 | 5180(M) |

QC Flag Legend

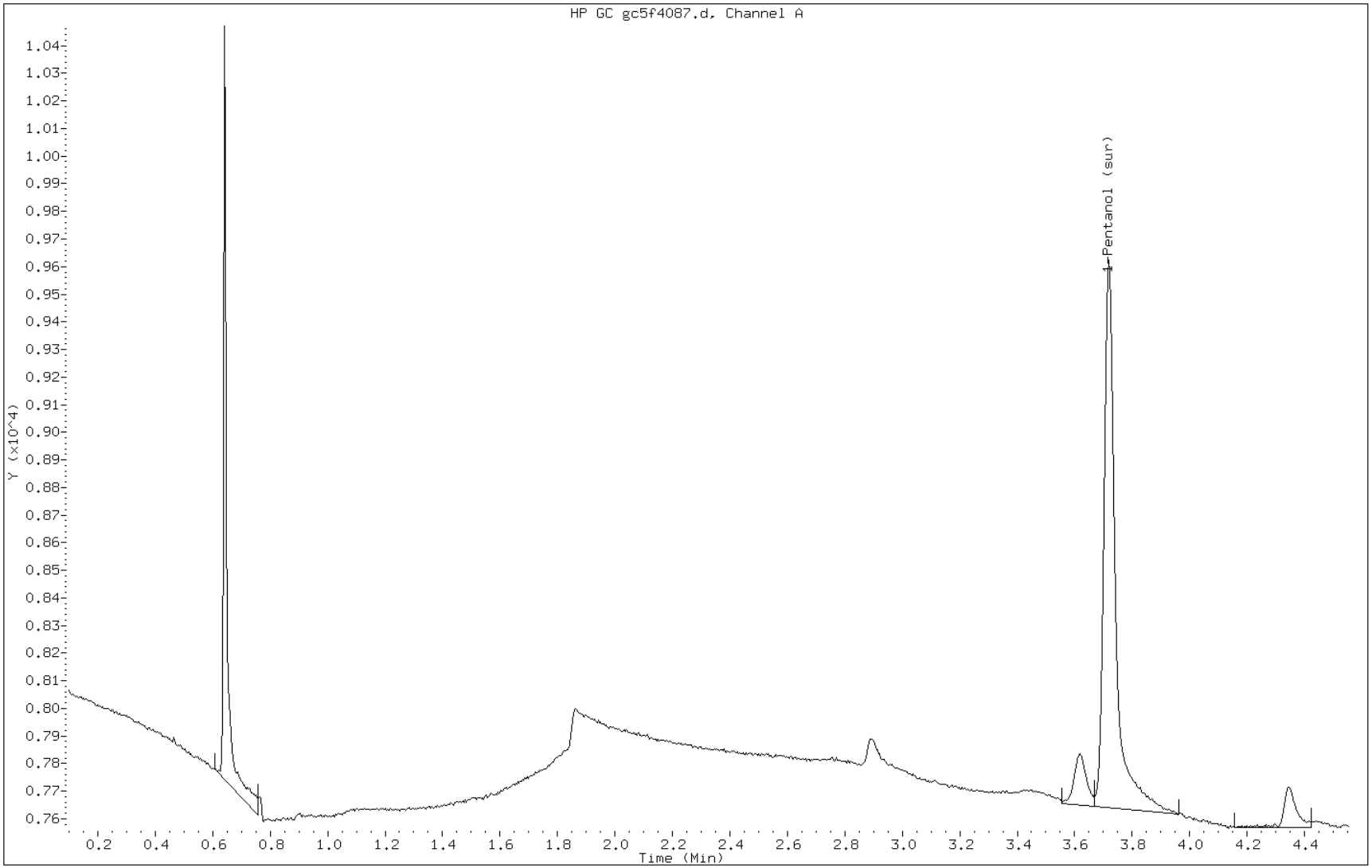
M - Compound response manually integrated.

Data File: gc5f4087.d

Date: 17-SEP-2009 16:47

Client ID: MW-30 Instrument: BNAGC5.i

Sample Info: 460-5774-D-5 Operator: 615



# Manual Integration Report

Data File: gc5f4087.d
Inj. Date and Time: 17-SEP-2009 16:47
Instrument ID: BNAGC5.i
Client ID: MW-30
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/18/2009

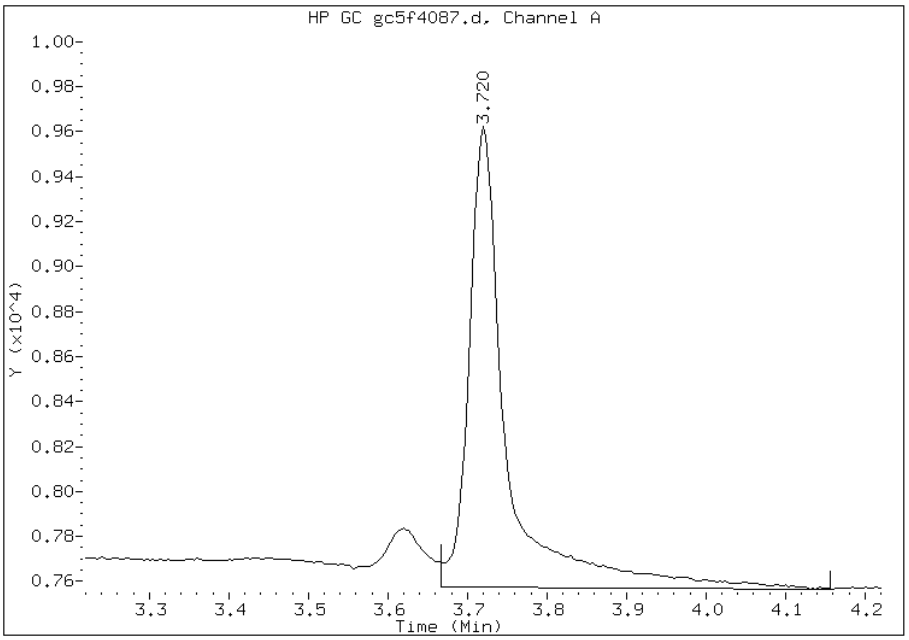
## Processing Integration Results

RT: 3.72

Response: 34334

Amount: 6365.58

Conc: 6365.58



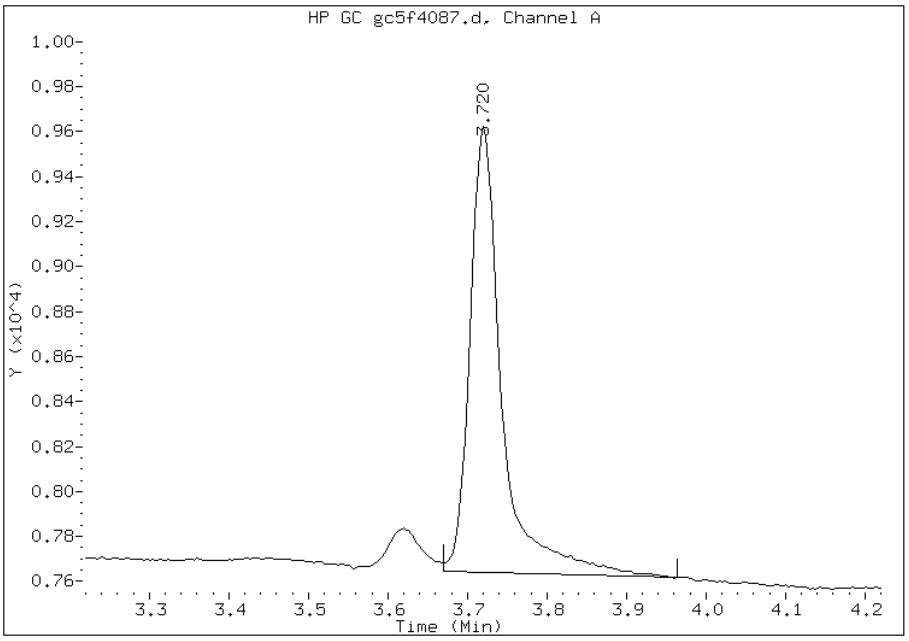

## Manual Integration Results

RT: 3.72

Response: 27934

Amount: 5178.93

Conc: 5178.93




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-1  Lab Sample ID: 460-5774-6

Matrix: Water  Lab File ID: gc5f4094.d

Analysis Method: 8015B  Date Collected: 09/16/2009 09:45

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 17:30

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17321  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 102 | 52-122 | |

Data File: gc5f4094.d
Report Date: 18-Sep-2009 08:14

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/gc5f4094.d
Lab Smp Id: 460-5774-E-6 Client Smp ID: MW-1
Inj Date : 17-SEP-2009 17:30
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5774-E-6
Misc Info : 460-5774-E-6
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:14 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

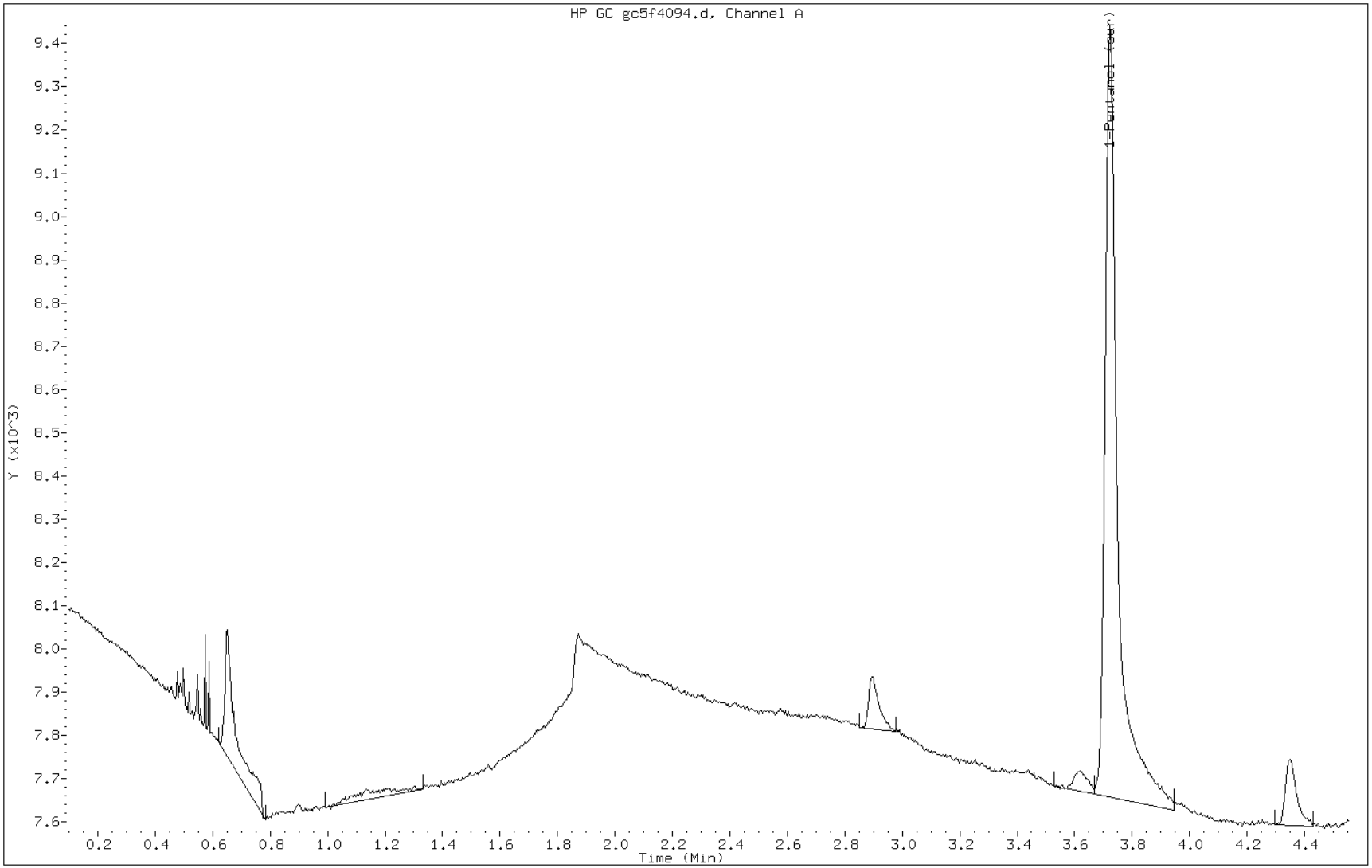
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.724 | 3.720 | 0.004 | 27592 | 5115.53 | 5120 |

Data File: gc5f4094.d

Date: 17-SEP-2009 17:30

Client ID: MW-1 Instrument: BNAGC5.i

Sample Info: 460-5774-E-6 Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-33  Lab Sample ID: 460-5774-7

Matrix: Water  Lab File ID: gc5f4095.d

Analysis Method: 8015B  Date Collected: 09/16/2009 09:40

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 17:37

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17321  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 106 | 52-122 | |

Data File: gc5f4095.d
Report Date: 18-Sep-2009 08:14

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/gc5f4095.d
Lab Smp Id: 460-5774-F-7 Client Smp ID: MW-33
Inj Date : 17-SEP-2009 17:37
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5774-F-7
Misc Info : 460-5774-F-7
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:14 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

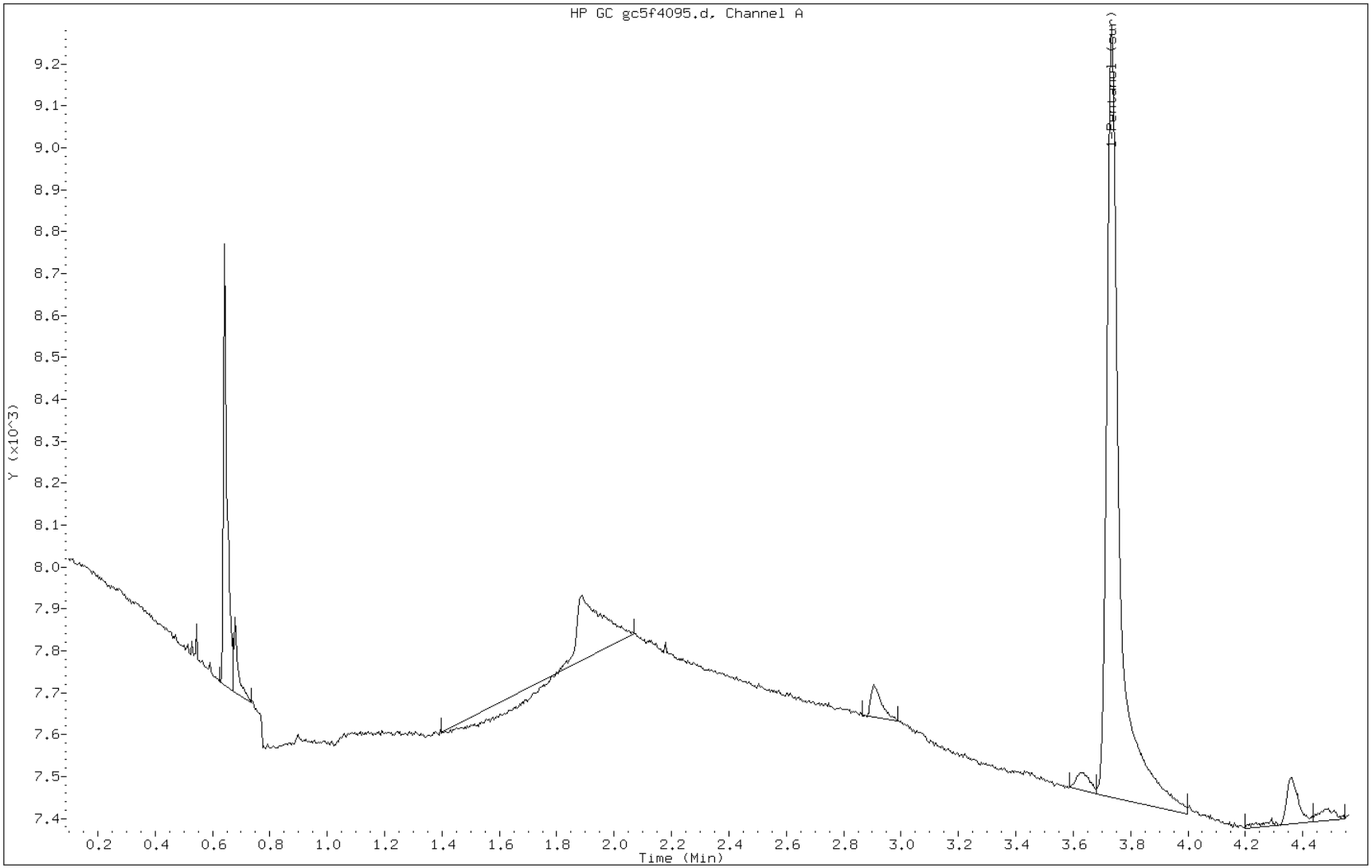
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.733 | 3.720 | 0.013 | 28562 | 5295.36 | 5300 |

Data File: gc5f4095.d

Date: 17-SEP-2009 17:37

Client ID: MW-33 Instrument: BNAGC5.i

Sample Info: 460-5774-F-7 Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-28 Lab Sample ID: 460-5774-8

Matrix: Water Lab File ID: gc5f4096.d

Analysis Method: 8015B Date Collected: 09/16/2009 15:55

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 17:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17321 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 107 | 52-122 | |

Data File: gc5f4096.d
Report Date: 18-Sep-2009 08:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/gc5f4096.d
Lab Smp Id: 460-5774-E-8 Client Smp ID: MW-28
Inj Date : 17-SEP-2009 17:43
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5774-E-8
Misc Info : 460-5774-E-8
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:14 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

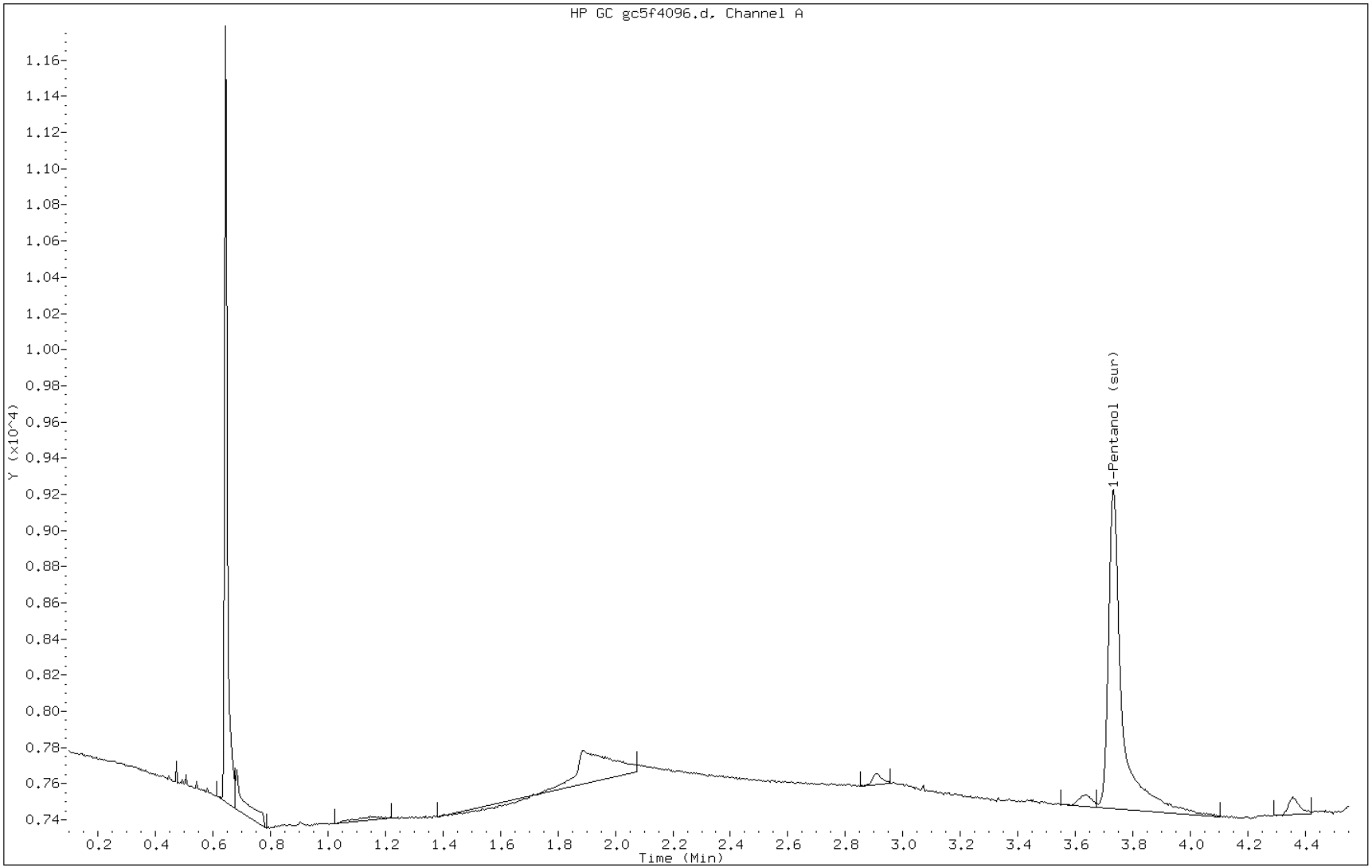
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.732 | 3.720 | 0.012 | 28876 | 5353.58 | 5350 |

Data File: gc5f4096.d

Date: 17-SEP-2009 17:43

Client ID: MW-28 Instrument: BNAGC5.i

Sample Info: 460-5774-E-8 Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Client Sample ID: DUP-091609  Lab Sample ID: 460-5774-9

Matrix: Water  Lab File ID: gc5f4097.d

Analysis Method: 8015B  Date Collected: 09/16/2009 00:00

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 17:49

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17321  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 101 | 52-122 | |

Data File: gc5f4097.d
Report Date: 18-Sep-2009 08:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/gc5f4097.d
Lab Smp Id: 460-5774-D-9 Client Smp ID: DUP-091609
Inj Date : 17-SEP-2009 17:49
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5774-D-9
Misc Info : 460-5774-D-9
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:14 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

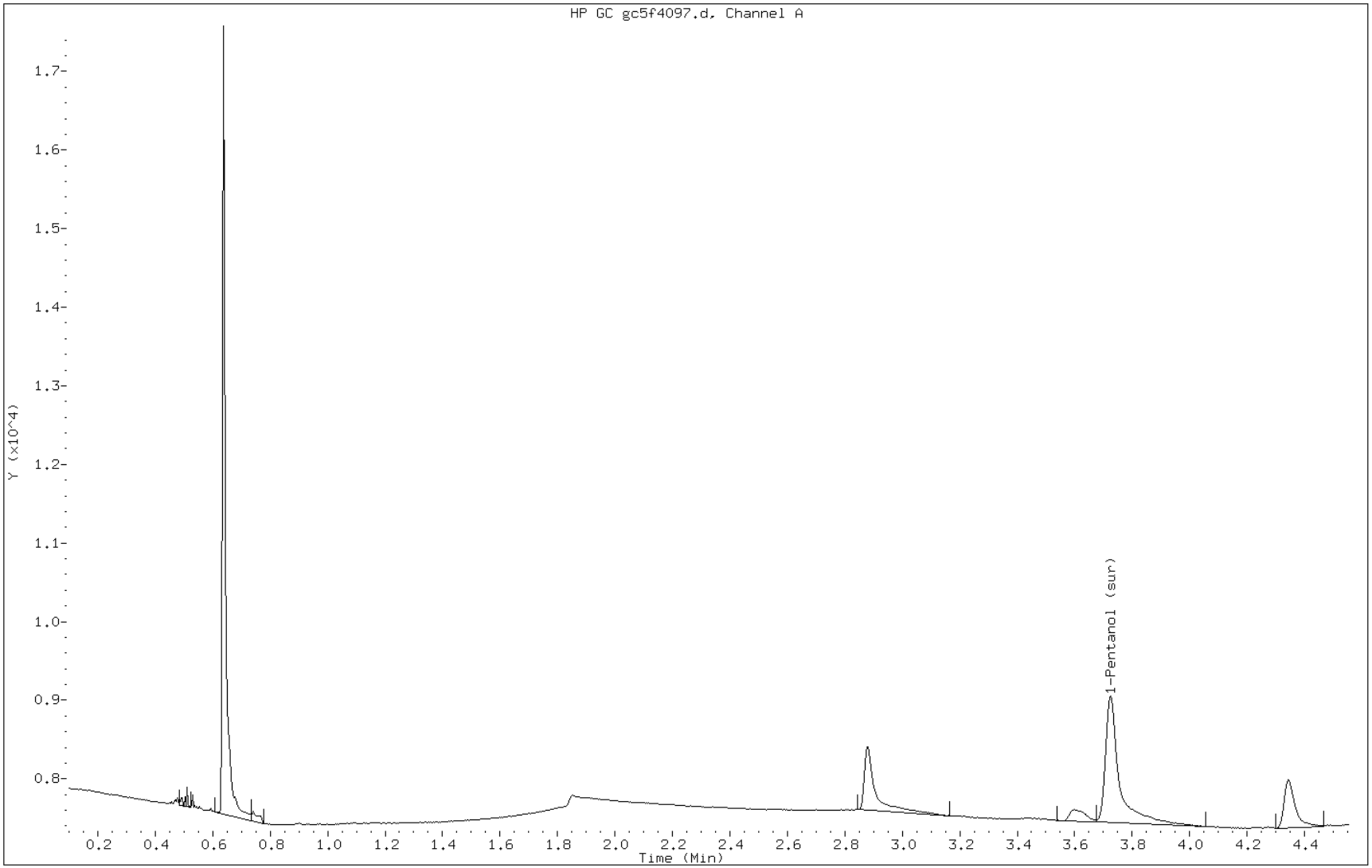
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.726 | 3.720 | 0.006 | 27301 | 5061.57 | 5060 |

Data File: gc5f4097.d

Date: 17-SEP-2009 17:49

Client ID: DUP-091609 Instrument: BNAGC5.i

Sample Info: 460-5774-D-9 Operator: 615



FORM VI
GC VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17212

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2009 15:26 Calibration End Date: 09/16/2009 15:51 Calibration ID: 3106

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17212/7 | gc5f4051.d |
| Level 2 | IC 460-17212/6 | gc5f4050.d |
| Level 3 | IC 460-17212/5 | gc5f4049.d |
| Level 4 | IC 460-17212/4 | gc5f4048.d |
| Level 5 | IC 460-17212/3 | gc5f4047.d |

| ANALYTE | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | | | | | RT WINDOW | AVG RT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Methanol | 0.927 | 0.923 | 0.927 | 0.937 | 0.941 | | | | | | 0.827 - 1.027 | 0.931 |
| Ethanol | 1.177 | 1.173 | 1.180 | 1.189 | 1.194 | | | | | | 1.080 - 1.280 | 1.183 |
| 2-Methyl-2-propanol | 1.383 | 1.380 | 1.387 | 1.399 | 1.403 | | | | | | 1.287 - 1.487 | 1.390 |
| Isopropyl alcohol | 1.553 | 1.547 | 1.553 | 1.566 | 1.569 | | | | | | 1.453 - 1.653 | 1.558 |
| Propanol | 1.843 | 1.840 | 1.847 | 1.860 | 1.864 | | | | | | 1.747 - 1.947 | 1.851 |
| Isobutyl alcohol | 2.136 | 2.133 | 2.140 | 2.155 | 2.158 | | | | | | 2.040 - 2.240 | 2.144 |
| n-Butanol | 2.413 | 2.411 | 2.417 | 2.433 | 2.435 | | | | | | 2.317 - 2.517 | 2.422 |
| sec-Butyl Alcohol | 2.760 | 2.755 | 2.760 | 2.777 | 2.780 | | | | | | 2.660 - 2.860 | 2.766 |
| 1-Pentanol | 3.780 | 3.777 | 3.780 | 3.797 | 3.801 | | | | | | 3.680 - 3.880 | 3.787 |

FORM VI
GC VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17212

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2009 15:26 Calibration End Date: 09/16/2009 15:51 Calibration ID: 3106

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17212/7 | gc5f4051.d |
| Level 2 | IC 460-17212/6 | gc5f4050.d |
| Level 3 | IC 460-17212/5 | gc5f4049.d |
| Level 4 | IC 460-17212/4 | gc5f4048.d |
| Level 5 | IC 460-17212/3 | gc5f4047.d |

| ANALYTE | RRF | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 5 | LVL 2 | LVL 3 | LVL 4 | | B | M1 | M2 | | | | | | | | |
| Methanol | 3.0640 3.5335 | 3.7710 | 3.7776 | 3.5522 | Ave | | 4 | | | | 8.2 | | 20.0 | | | |
| Ethanol | 3.0920 3.7970 | 4.4930 | 4.1370 | 3.8228 | Ave | | 4 | | | | 13.4 | | 20.0 | | | |
| 2-Methyl-2-propanol | 3.3560 4.0549 | 4.3600 | 4.3490 | 4.0348 | Ave | | 4 | | | | 10.1 | | 20.0 | | | |
| Isopropyl alcohol | 6.1560 5.8636 | 6.1630 | 6.1868 | 5.7817 | Ave | | 6 | | | | 3.2 | | 20.0 | | | |
| Propanol | 4.7180 4.8537 | 4.9360 | 5.0560 | 4.7147 | Ave | | 5 | | | | 3.0 | | 20.0 | | | |
| Isobutyl alcohol | 5.9800 4.5516 | 4.7595 | 4.8170 | 4.5563 | Ave | | 5 | | | | 12.1 | | 20.0 | | | |
| n-Butanol | 7.0600 5.3611 | 5.3690 | 5.3396 | 5.2469 | Ave | | 6 | | | | 13.7 | | 20.0 | | | |
| sec-Butyl Alcohol | 6.7700 5.2537 | 5.1140 | 5.1882 | 4.9640 | Ave | | 5 | | | | 13.6 | | 20.0 | | | |
| 1-Pentanol | 5.4540 5.2596 | 5.3770 | 5.6726 | 5.2057 | Ave | | 5 | | | | 3.4 | | 20.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5774-1 Analy Batch No.: 17212

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2009 15:26 Calibration End Date: 09/16/2009 15:51 Calibration ID: 3106

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17212/7 | gc5f4051.d |
| Level 2 | IC 460-17212/6 | gc5f4050.d |
| Level 3 | IC 460-17212/5 | gc5f4049.d |
| Level 4 | IC 460-17212/4 | gc5f4048.d |
| Level 5 | IC 460-17212/3 | gc5f4047.d |

| ANALYTE | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Methanol | Ave | 1532 | 7542 | 18888 | 88805 | 176675 | 500 | 2000 | 5000 | 25000 | 50000 |
| Ethanol | Ave | 1546 | 8986 | 20685 | 95570 | 189850 | 500 | 2000 | 5000 | 25000 | 50000 |
| 2-Methyl-2-propanol | Ave | 1678 | 8720 | 21745 | 100869 | 202745 | 500 | 2000 | 5000 | 25000 | 50000 |
| Isopropyl alcohol | Ave | 3078 | 12326 | 30934 | 144542 | 293182 | 500 | 2000 | 5000 | 25000 | 50000 |
| Propanol | Ave | 2359 | 9872 | 25280 | 117868 | 242687 | 500 | 2000 | 5000 | 25000 | 50000 |
| Isobutyl alcohol | Ave | 2990 | 9519 | 24085 | 113907 | 227580 | 500 | 2000 | 5000 | 25000 | 50000 |
| n-Butanol | Ave | 3530 | 10738 | 26698 | 131173 | 268055 | 500 | 2000 | 5000 | 25000 | 50000 |
| sec-Butyl Alcohol | Ave | 3385 | 10228 | 25941 | 124099 | 262685 | 500 | 2000 | 5000 | 25000 | 50000 |
| 1-Pentanol | Ave | 2727 | 10754 | 28363 | 130143 | 262978 | 500 | 2000 | 5000 | 25000 | 50000 |

Curve Type Legend:
Ave = Average

Data File: gc5f4047.d
Report Date: 17-Sep-2009 08:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/gc5f4047.d
Lab Smp Id: SGALCL5_00002
Inj Date : 16-SEP-2009 15:26
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL5_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 08:10 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:26 Cal File: gc5f4047.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|
| | | | | | CAL-AMT | ON-COL |
| Compounds | RT | EXP RT | DLT RT | RESPONSE | ( ug/L) | ( ug/L) |
| 3 Methanol | 0.941 | 0.927 | 0.014 | 176675 | 50000.0 | 49900 |
| 5 Ethanol | 1.194 | 1.180 | 0.014 | 189850 | 50000.0 | 49100 |
| 4 tert-Butyl Alcohol | 1.403 | 1.387 | 0.016 | 202745 | 50000.0 | 50300(A) |
| 6 Isopropanol | 1.569 | 1.553 | 0.016 | 293182 | 50000.0 | 48600 |
| 7 1-Propanol | 1.864 | 1.847 | 0.017 | 242687 | 50000.0 | 50000 |
| 9 Isobutanol | 2.158 | 2.140 | 0.018 | 227580 | 50000.0 | 46100 |
| 10 n-Butanol(1-Butanol) | 2.435 | 2.417 | 0.018 | 268055 | 50000.0 | 47200 |
| 8 2-Butanol | 2.780 | 2.760 | 0.020 | 262685 | 50000.0 | 48100 |
| $ 11 1-Pentanol (sur) | 3.801 | 3.781 | 0.020 | 262978 | 50000.0 | 40800 |

QC Flag Legend

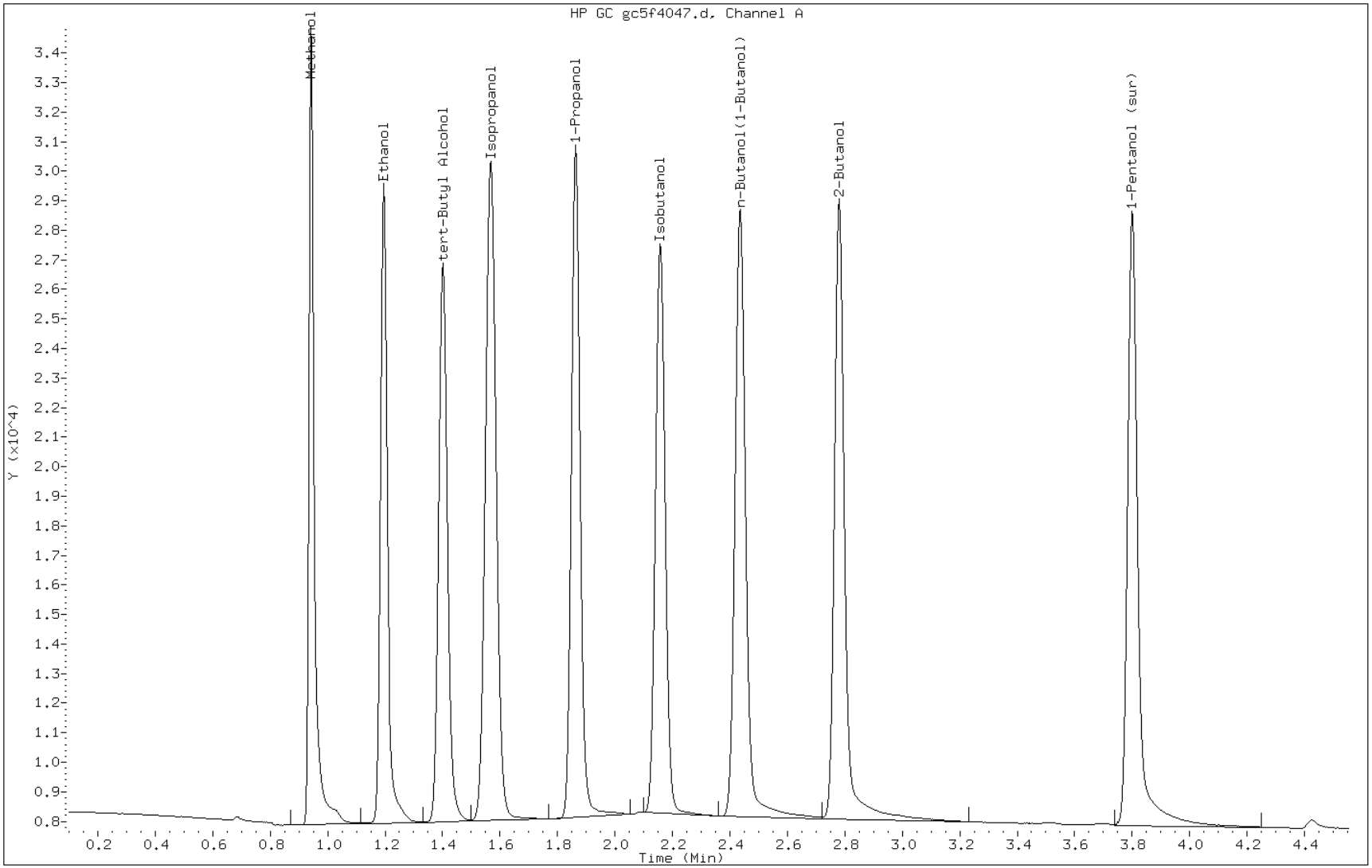
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: gc5f4047.d

Date: 16-SEP-2009 15:26

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL5_00002 Operator: 615



Data File: gc5f4048.d
Report Date: 17-Sep-2009 08:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/gc5f4048.d
Lab Smp Id: SGALCL4_00002
Inj Date : 16-SEP-2009 15:32
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL4_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 08:10 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:32 Cal File: gc5f4048.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.937 | 0.927 | 0.010 | 88805 | 25000.0 | 25100 |
| 5 Ethanol | 1.189 | 1.180 | 0.009 | 95570 | 25000.0 | 24700 |
| 4 tert-Butyl Alcohol | 1.399 | 1.387 | 0.012 | 100869 | 25000.0 | 25000 |
| 6 Isopropanol | 1.566 | 1.553 | 0.013 | 144542 | 25000.0 | 24000 |
| 7 1-Propanol | 1.860 | 1.847 | 0.013 | 117868 | 25000.0 | 24300(M) |
| 9 Isobutanol | 2.155 | 2.140 | 0.015 | 113907 | 25000.0 | 23100 |
| 10 n-Butanol(1-Butanol) | 2.433 | 2.417 | 0.016 | 131173 | 25000.0 | 23100 |
| 8 2-Butanol | 2.777 | 2.760 | 0.017 | 124099 | 25000.0 | 22700 |
| $ 11 1-Pentanol (sur) | 3.797 | 3.781 | 0.016 | 130143 | 25000.0 | 20200 |

QC Flag Legend

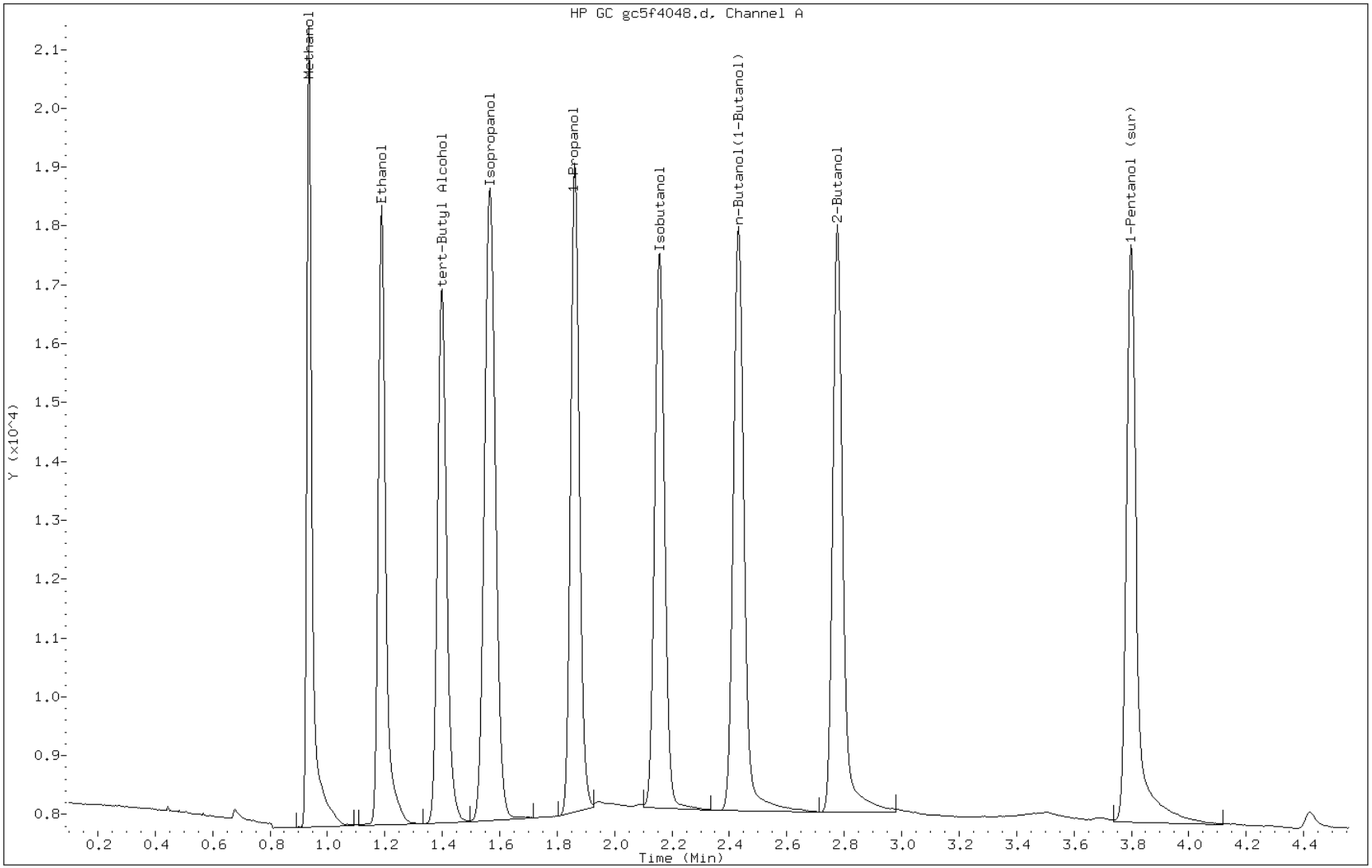
M - Compound response manually integrated.

Data File: gc5f4048.d

Date: 16-SEP-2009 15:32

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL4_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4048.d
Inj. Date and Time: 16-SEP-2009 15:32
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.85

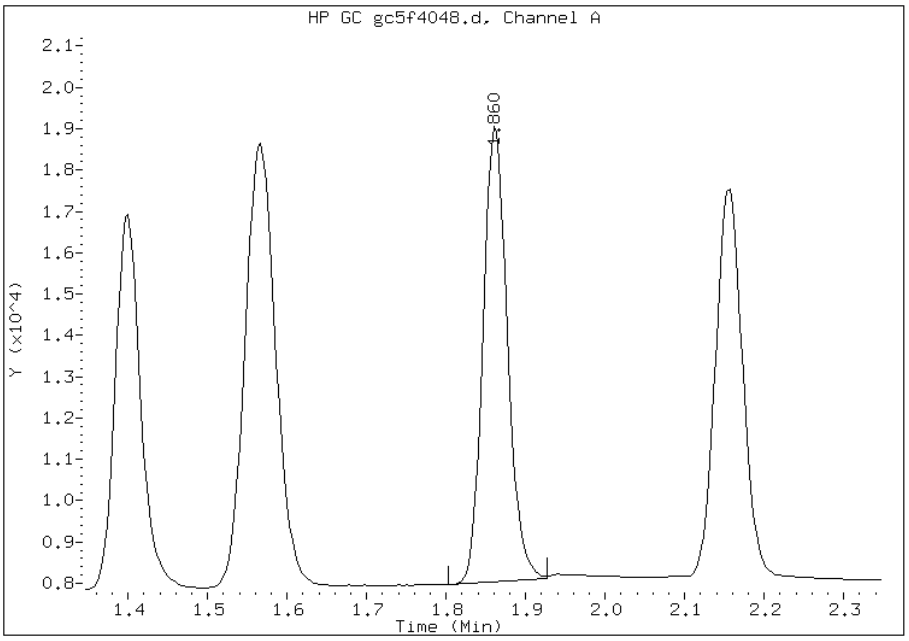
## Manual Integration Results

RT: 1.86

Response: 117868

Amount: 24274.19

Conc: 24274.19




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4049.d
Report Date: 17-Sep-2009 08:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/gc5f4049.d
Lab Smp Id: SGALCL3_00002
Inj Date : 16-SEP-2009 15:38
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL3_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 08:10 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:38 Cal File: gc5f4049.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.927 | 0.927 | 0.000 | 18888 | 5000.00 | 5340(M) |
| 5 Ethanol | 1.180 | 1.180 | 0.000 | 20685 | 5000.00 | 5350(M) |
| 4 tert-Butyl Alcohol | 1.387 | 1.387 | 0.000 | 21745 | 5000.00 | 5390(M) |
| 6 Isopropanol | 1.553 | 1.553 | 0.000 | 30934 | 5000.00 | 5130(M) |
| 7 1-Propanol | 1.847 | 1.847 | 0.000 | 25280 | 5000.00 | 5210(M) |
| 9 Isobutanol | 2.140 | 2.140 | 0.000 | 24085 | 5000.00 | 4880(M) |
| 10 n-Butanol(1-Butanol) | 2.417 | 2.417 | 0.000 | 26698 | 5000.00 | 4700(M) |
| 8 2-Butanol | 2.760 | 2.760 | 0.000 | 25941 | 5000.00 | 4750(M) |
| $ 11 1-Pentanol (sur) | 3.780 | 3.780 | 0.000 | 28363 | 5000.00 | 4440(M) |

QC Flag Legend

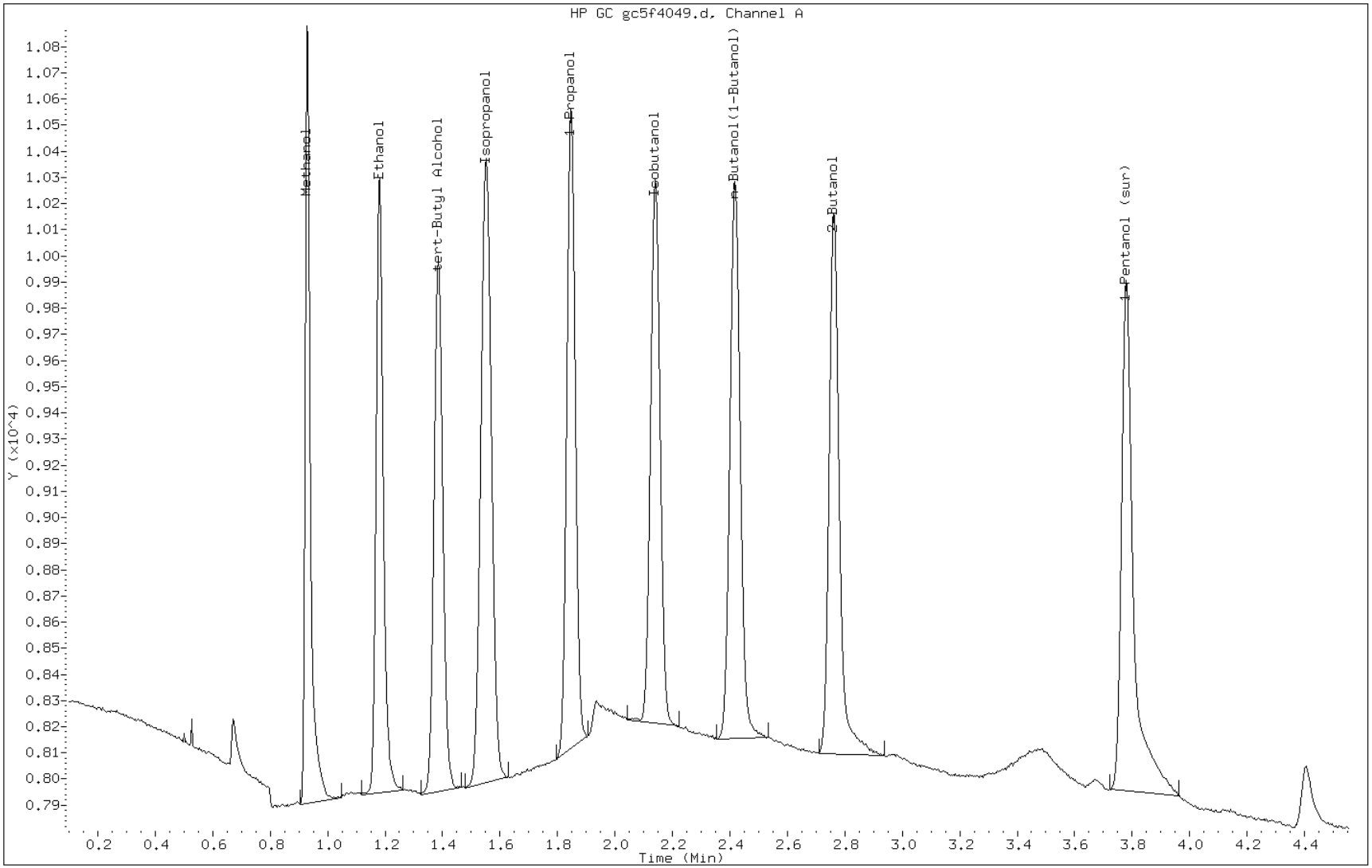
M - Compound response manually integrated.

Data File: gc5f4049.d

Date: 16-SEP-2009 15:38

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

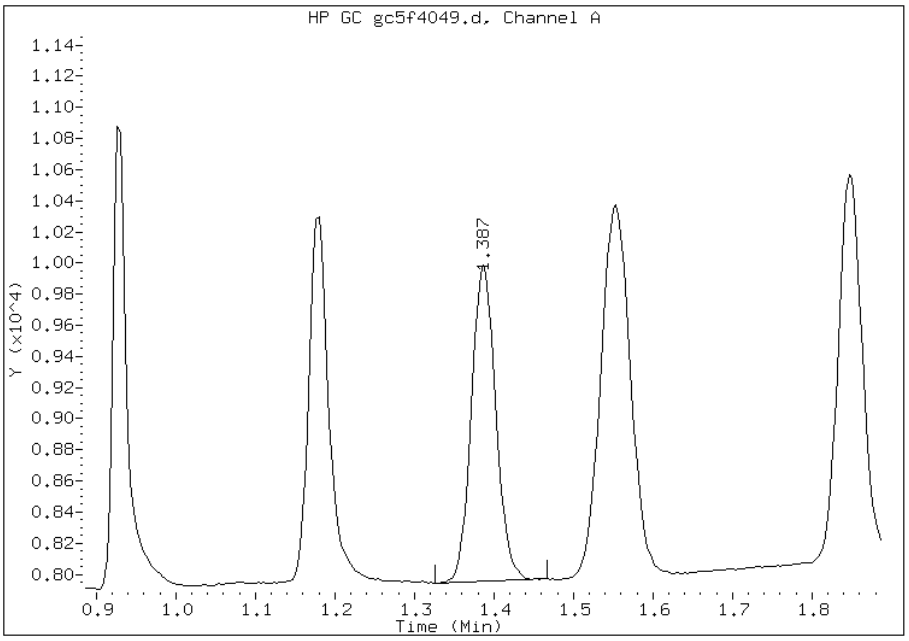
## Manual Integration Results

RT: 1.39

Response: 21745

Amount: 5394.53

Conc: 5394.53




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.85

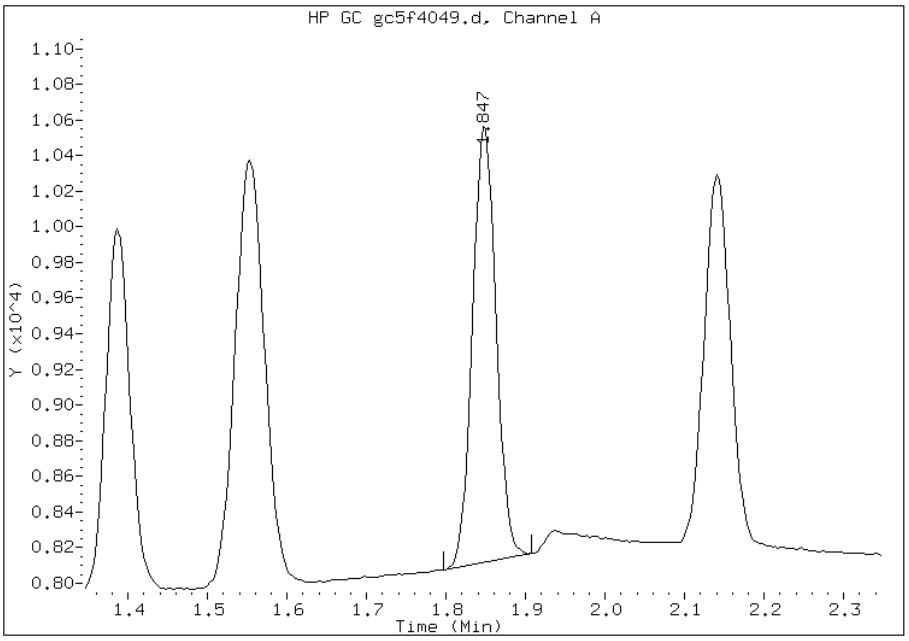
## Manual Integration Results

RT: 1.85

Response: 25280

Amount: 5206.26

Conc: 5206.26




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 0.93

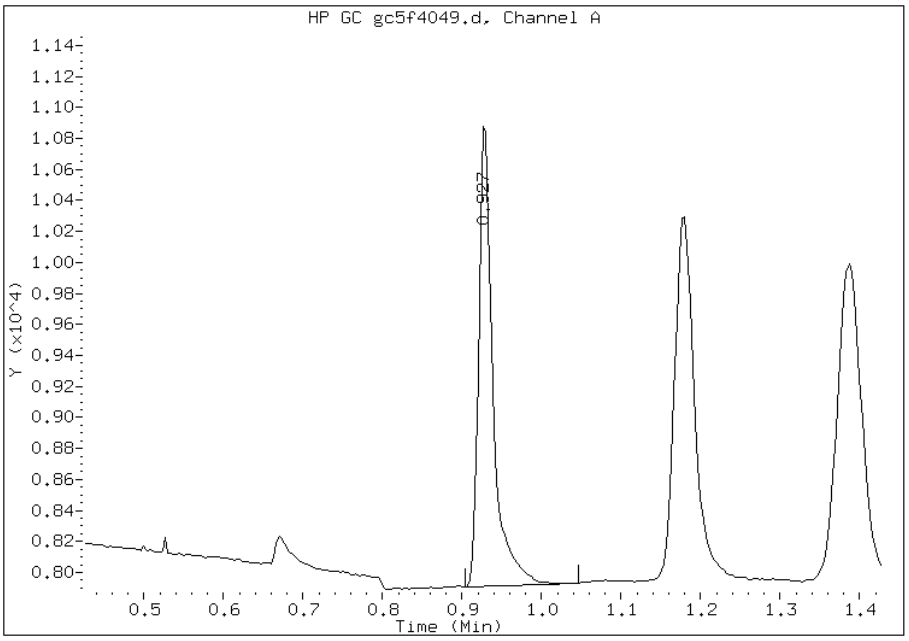
## Manual Integration Results

RT: 0.93

Response: 18888

Amount: 5336.11

Conc: 5336.11




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 2.42

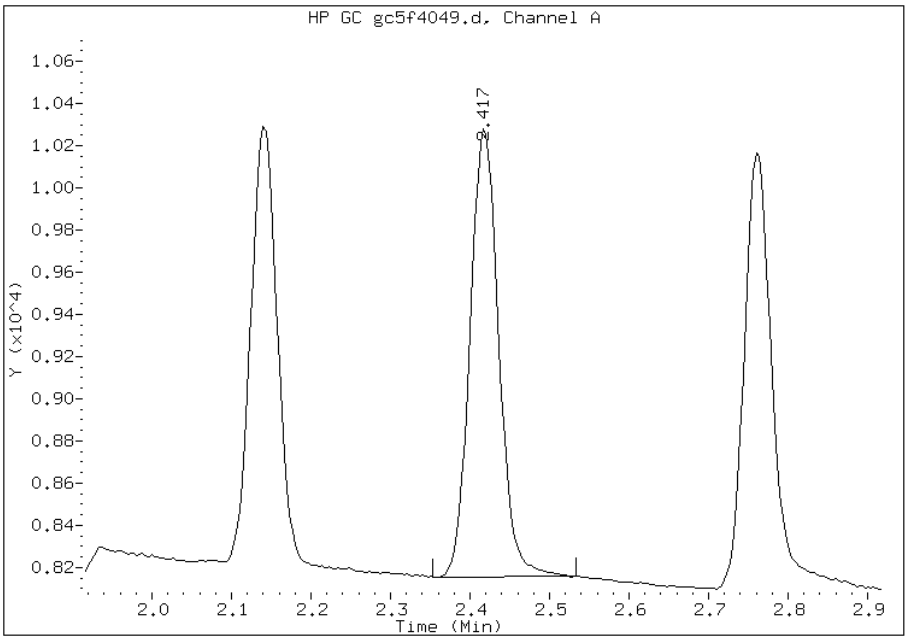
## Manual Integration Results

RT: 2.42

Response: 26698

Amount: 4704.22

Conc: 4704.22




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.18

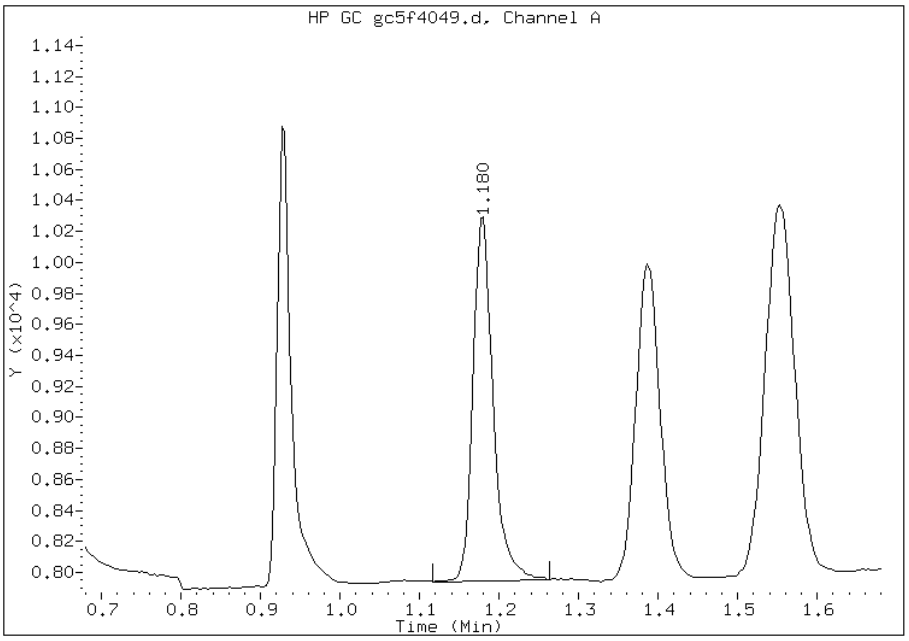
## Manual Integration Results

RT: 1.18

Response: 20685

Amount: 5347.23

Conc: 5347.23




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.55

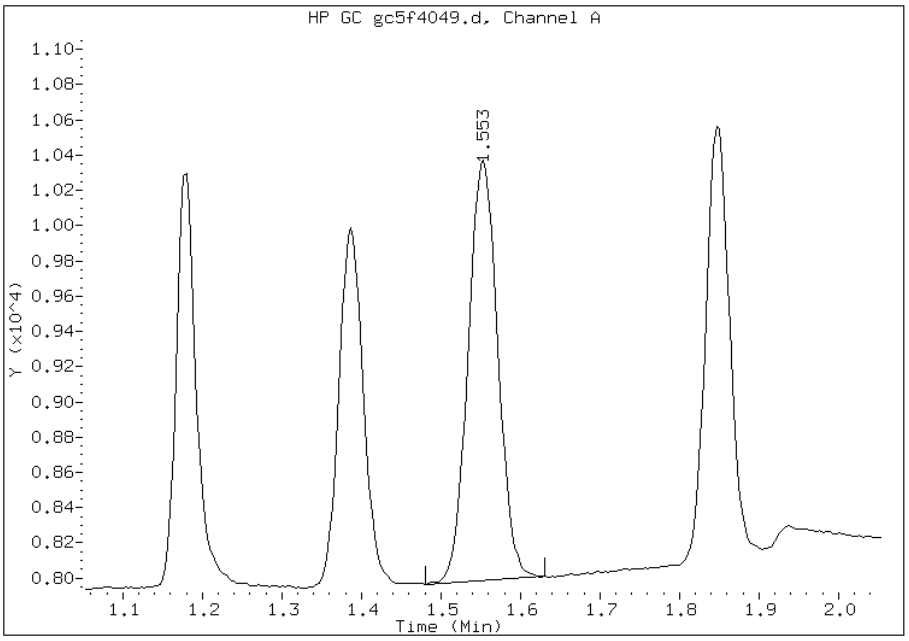
## Manual Integration Results

RT: 1.55

Response: 30934

Amount: 5129.83

Conc: 5129.83




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound: 9 Isobutanol
CAS #: 78-83-1
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 2.14

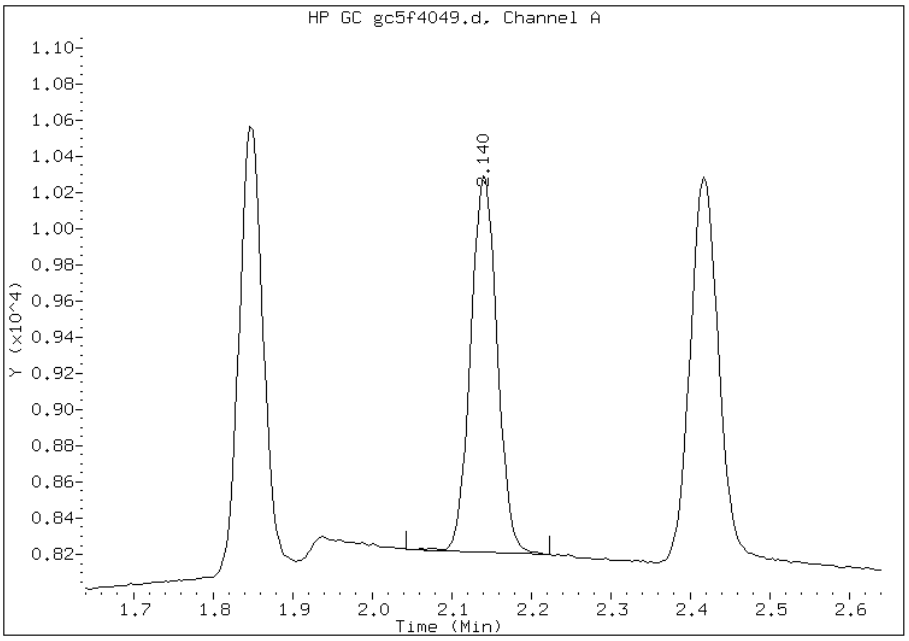
## Manual Integration Results

RT: 2.14

Response: 24085

Amount: 4882.55

Conc: 4882.55




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 2.76

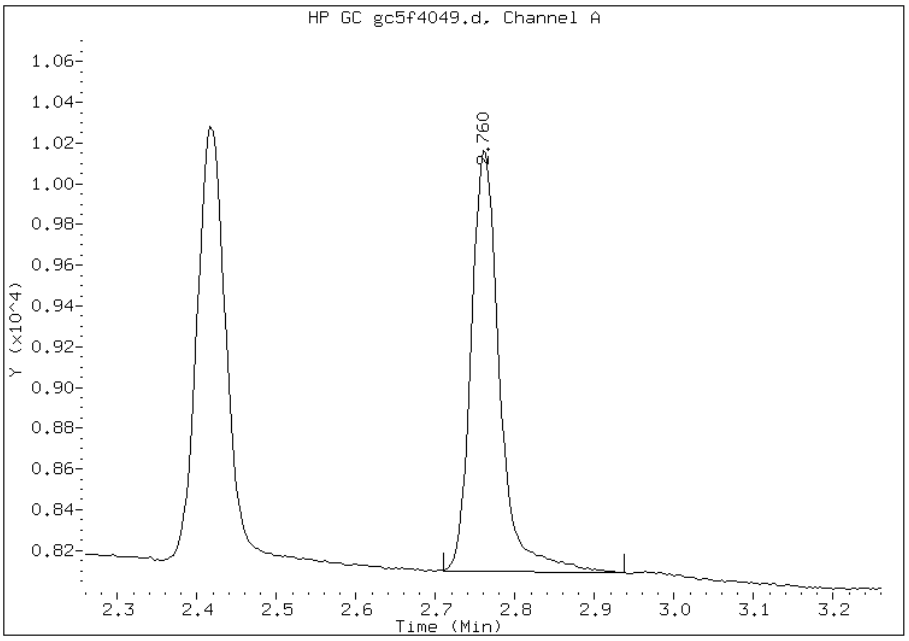
## Manual Integration Results

RT: 2.76

Response: 25941

Amount: 4752.86

Conc: 4752.86




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4049.d
Inj. Date and Time: 16-SEP-2009 15:38
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/17/2009

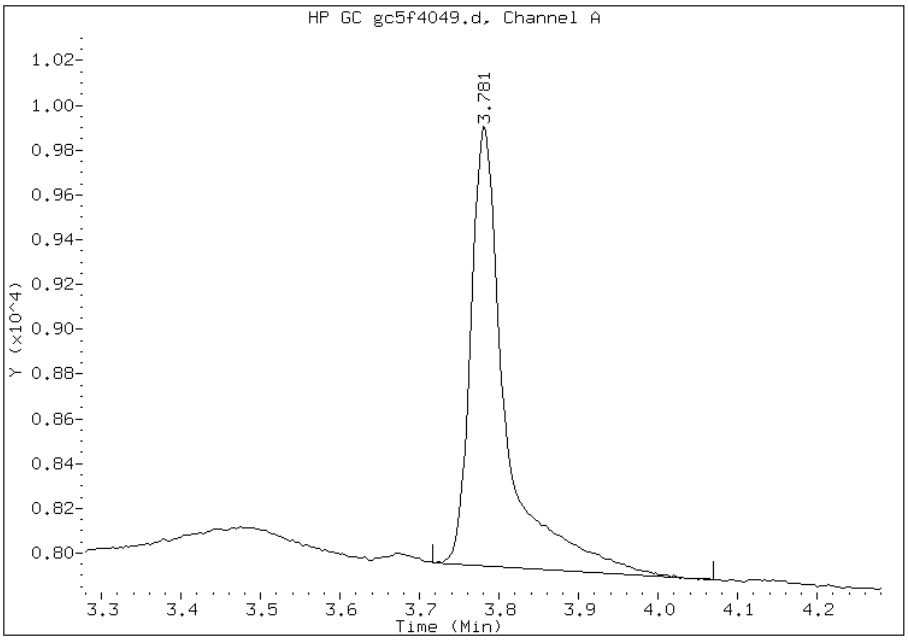
## Processing Integration Results

RT: 3.78

Response: 30133

Amount: 5481.42

Conc: 5481.42



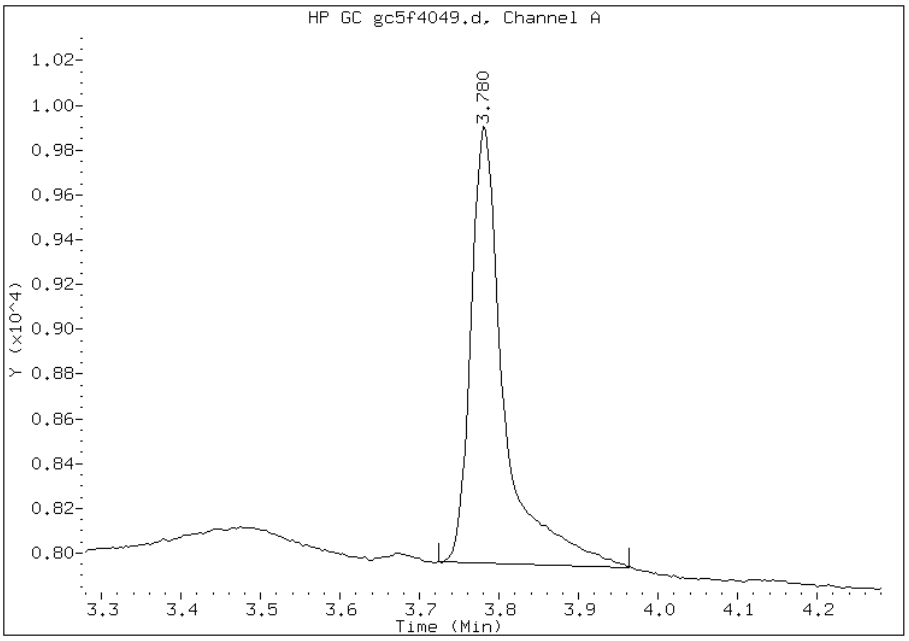

## Manual Integration Results

RT: 3.78

Response: 28363

Amount: 4445.63

Conc: 4445.63




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4050.d
Report Date: 17-Sep-2009 08:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/gc5f4050.d
Lab Smp Id: SGALCL2_00002
Inj Date : 16-SEP-2009 15:44
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL2_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 08:10 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:44 Cal File: gc5f4050.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.923 | 0.927 | -0.004 | 7542 | 2000.00 | 2130(M) |
| 5 Ethanol | 1.173 | 1.180 | -0.007 | 8986 | 2000.00 | 2320(M) |
| 4 tert-Butyl Alcohol | 1.380 | 1.387 | -0.007 | 8720 | 2000.00 | 2160(M) |
| 6 Isopropanol | 1.547 | 1.553 | -0.006 | 12326 | 2000.00 | 2040(M) |
| 7 1-Propanol | 1.840 | 1.847 | -0.007 | 9872 | 2000.00 | 2030(M) |
| 9 Isobutanol | 2.133 | 2.140 | -0.007 | 9519 | 2000.00 | 1930 |
| 10 n-Butanol(1-Butanol) | 2.411 | 2.417 | -0.006 | 10738 | 2000.00 | 1890 |
| 8 2-Butanol | 2.755 | 2.760 | -0.005 | 10228 | 2000.00 | 1870 |
| $ 11 1-Pentanol (sur) | 3.777 | 3.780 | -0.003 | 10754 | 2000.00 | 1780(M) |

QC Flag Legend

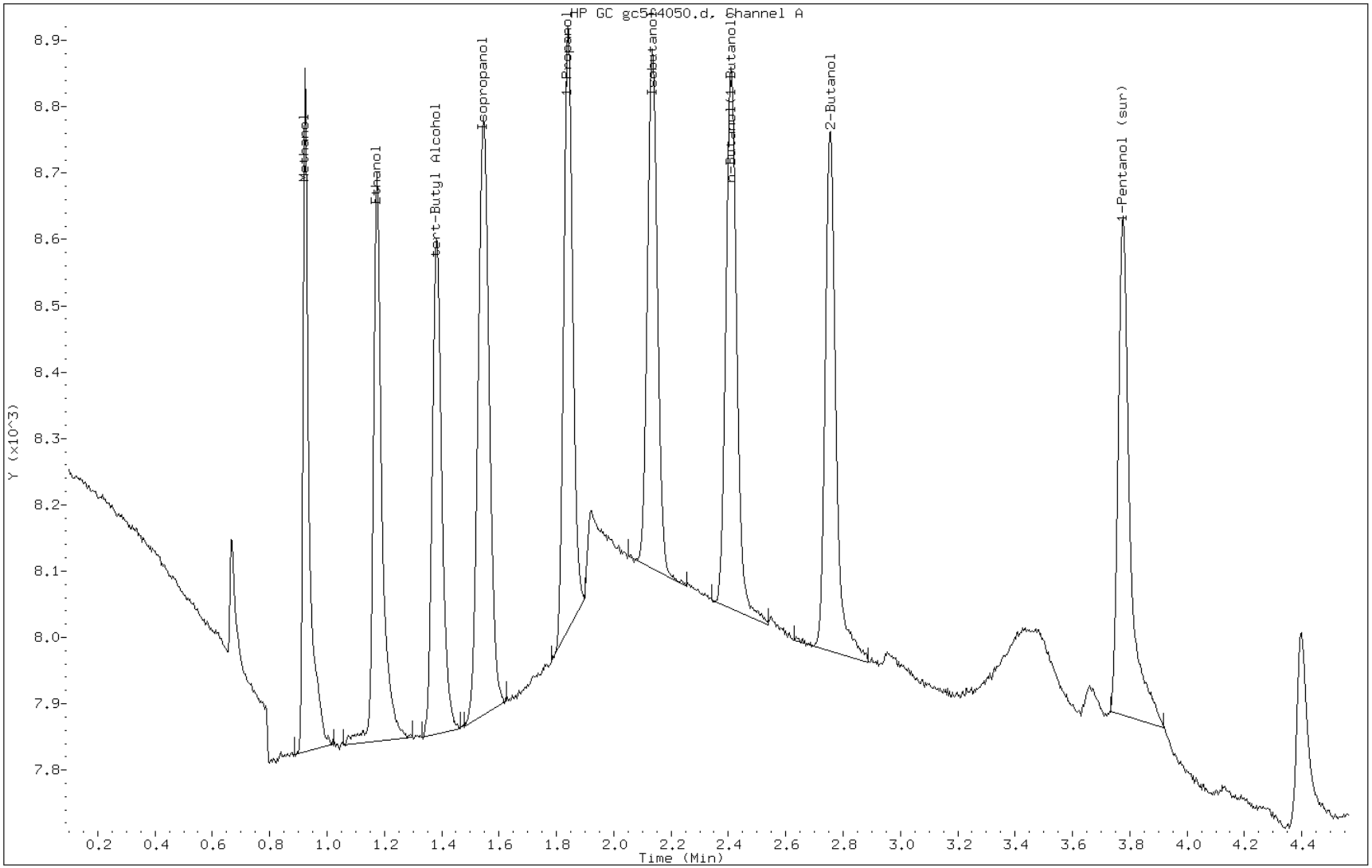
M - Compound response manually integrated.

Data File: gc5f4050.d

Date: 16-SEP-2009 15:44

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL2_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.55

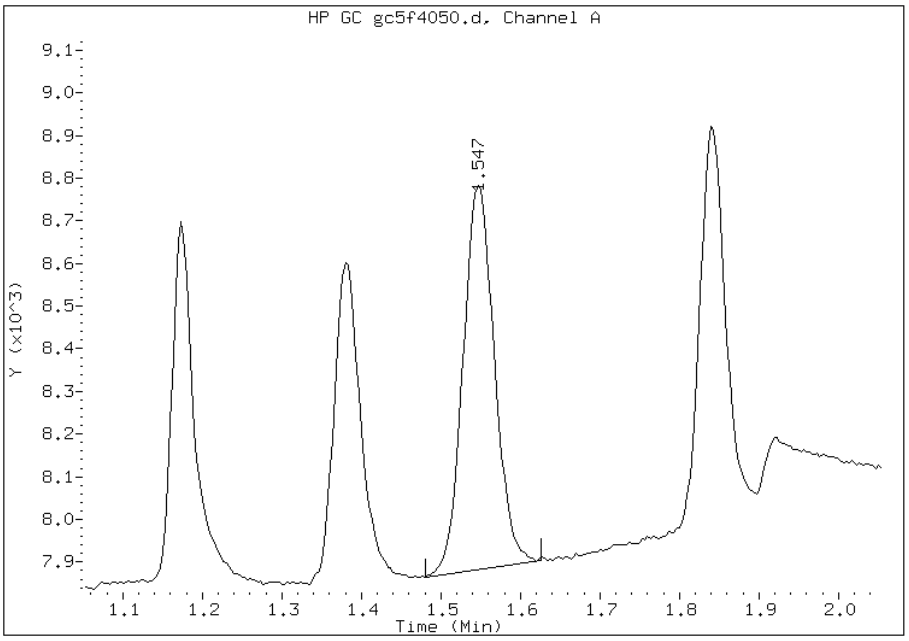
## Manual Integration Results

RT: 1.55

Response: 12326

Amount: 2044.04

Conc: 2044.04




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.85

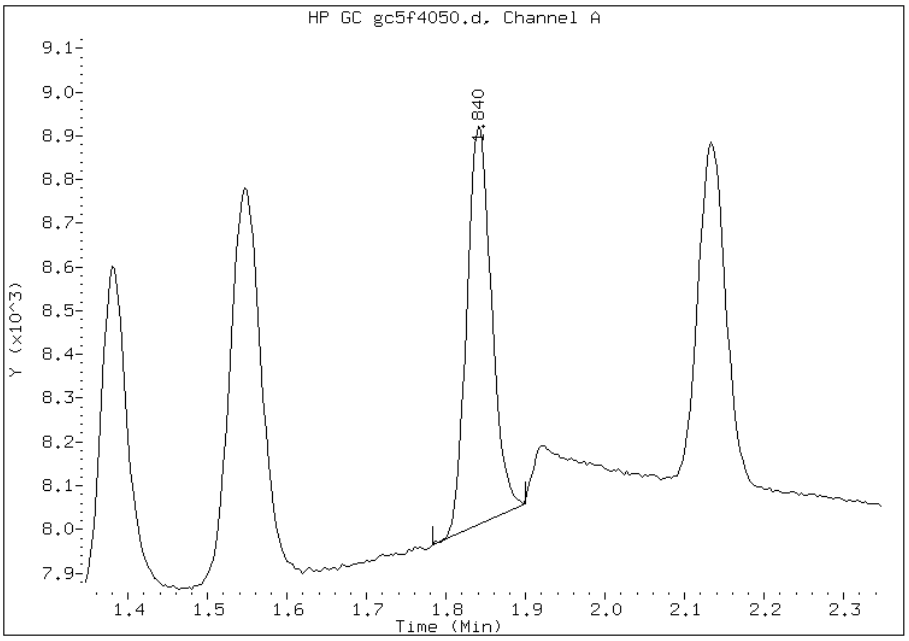
## Manual Integration Results

RT: 1.84

Response: 9872

Amount: 2033.08

Conc: 2033.08




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.18

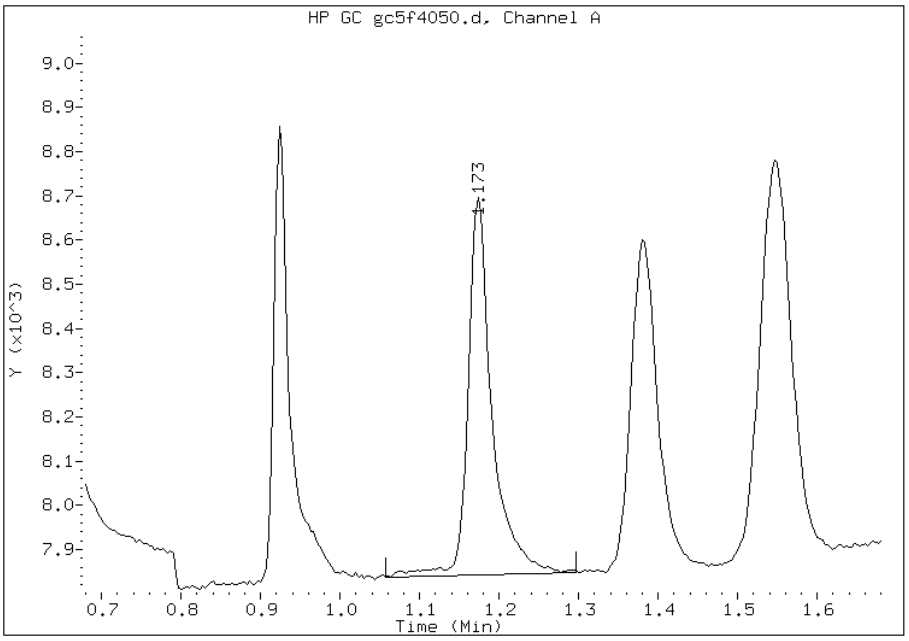
## Manual Integration Results

RT: 1.17

Response: 8986

Amount: 2322.95

Conc: 2322.95




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 0.93

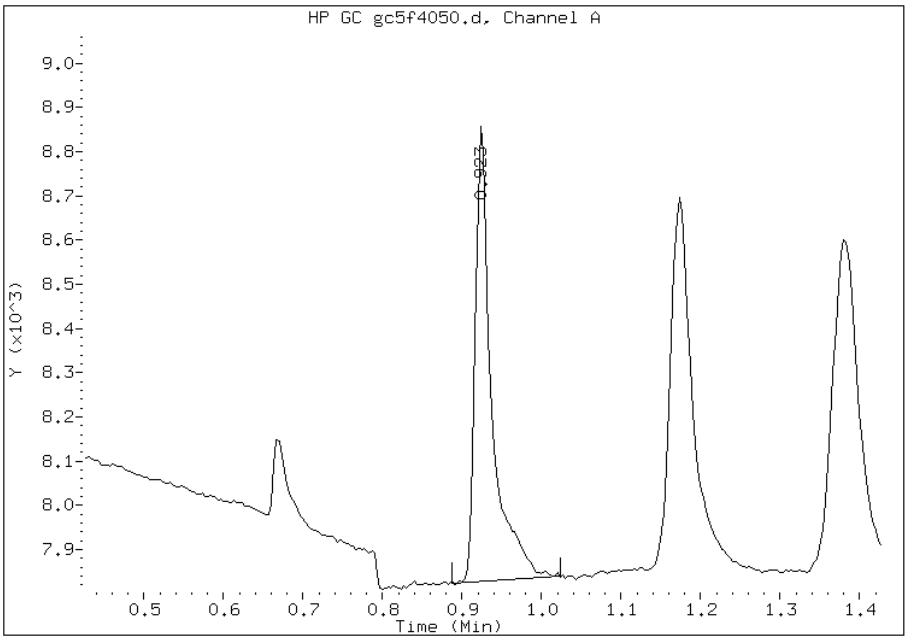
## Manual Integration Results

RT: 0.92

Response: 7542

Amount: 2130.71

Conc: 2130.71




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

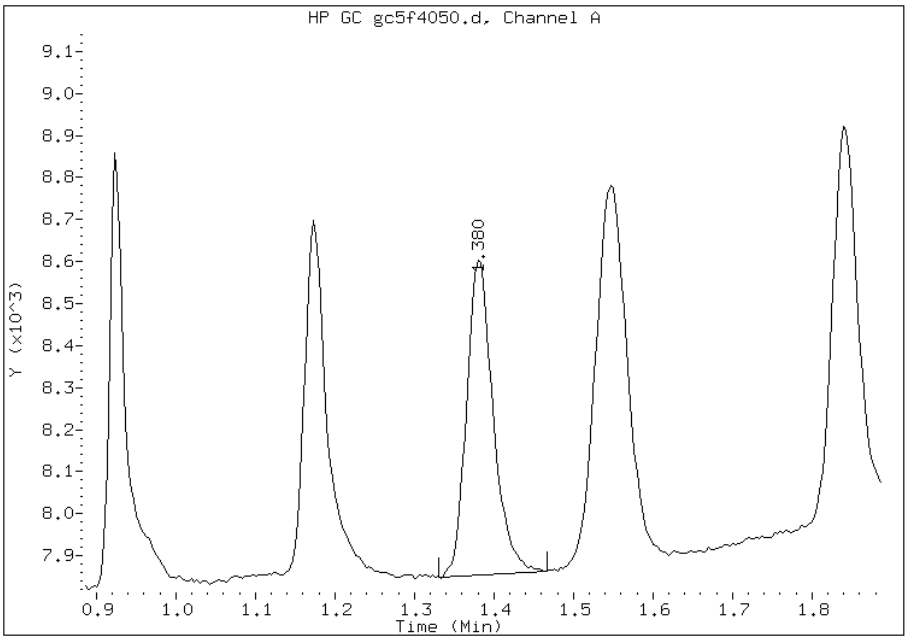
## Manual Integration Results

RT: 1.38

Response: 8720

Amount: 2163.27

Conc: 2163.27




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4050.d
Inj. Date and Time: 16-SEP-2009 15:44
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/17/2009

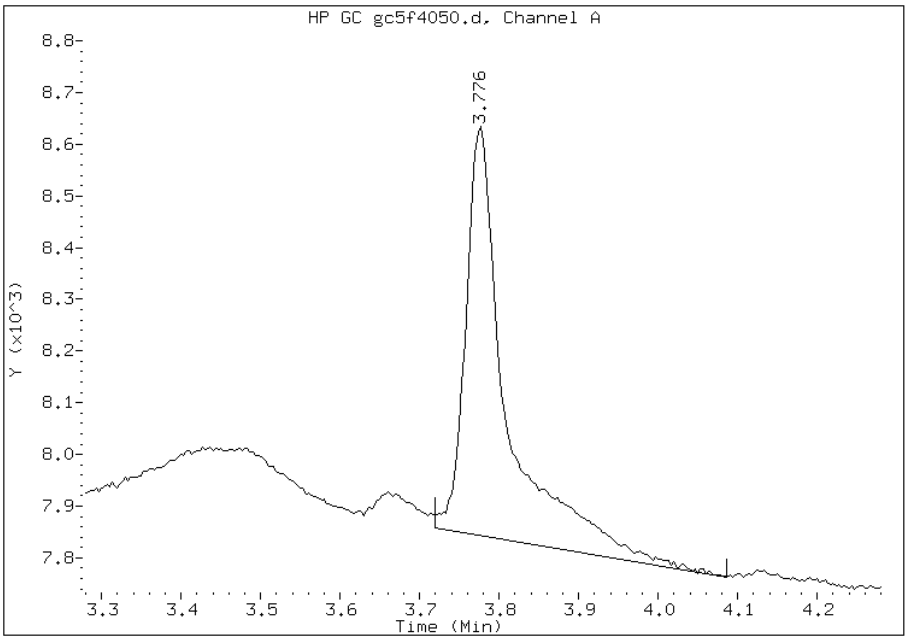
## Processing Integration Results

RT: 3.78

Response: 14192

Amount: 2406.66

Conc: 2406.66



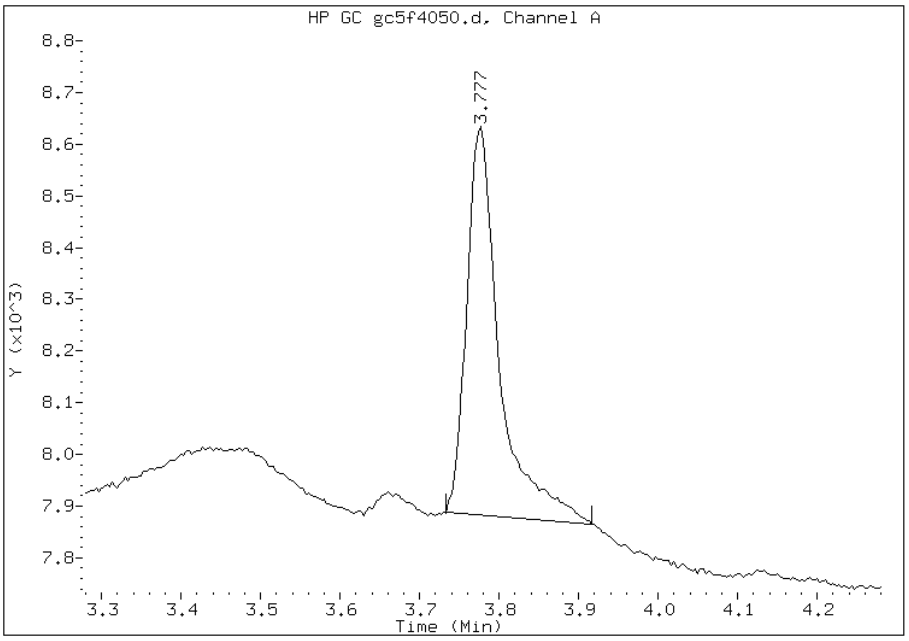

## Manual Integration Results

RT: 3.78

Response: 10754

Amount: 1781.59

Conc: 1781.59




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4051.d
Report Date: 17-Sep-2009 08:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/gc5f4051.d
Lab Smp Id: SGALCL1_00002
Inj Date : 16-SEP-2009 15:51
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL1_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-16-09/16sep09a.b/alcohols2008.m
Meth Date : 17-Sep-2009 08:10 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.927 | 0.927 | 0.000 | 1532 | 500.000 | 433(aM) |
| 5 Ethanol | 1.177 | 1.180 | -0.003 | 1546 | 500.000 | 400(aM) |
| 4 tert-Butyl Alcohol | 1.383 | 1.387 | -0.004 | 1678 | 500.000 | 416(aM) |
| 6 Isopropanol | 1.553 | 1.553 | 0.000 | 3078 | 500.000 | 510(M) |
| 7 1-Propanol | 1.843 | 1.847 | -0.004 | 2359 | 500.000 | 486(aM) |
| 9 Isobutanol | 2.136 | 2.140 | -0.004 | 2990 | 500.000 | 606 |
| 10 n-Butanol(1-Butanol) | 2.413 | 2.417 | -0.004 | 3530 | 500.000 | 622(M) |
| 8 2-Butanol | 2.760 | 2.760 | 0.000 | 3385 | 500.000 | 620 |
| $ 11 1-Pentanol (sur) | 3.780 | 3.780 | 0.000 | 2727 | 500.000 | 506(M) |

QC Flag Legend

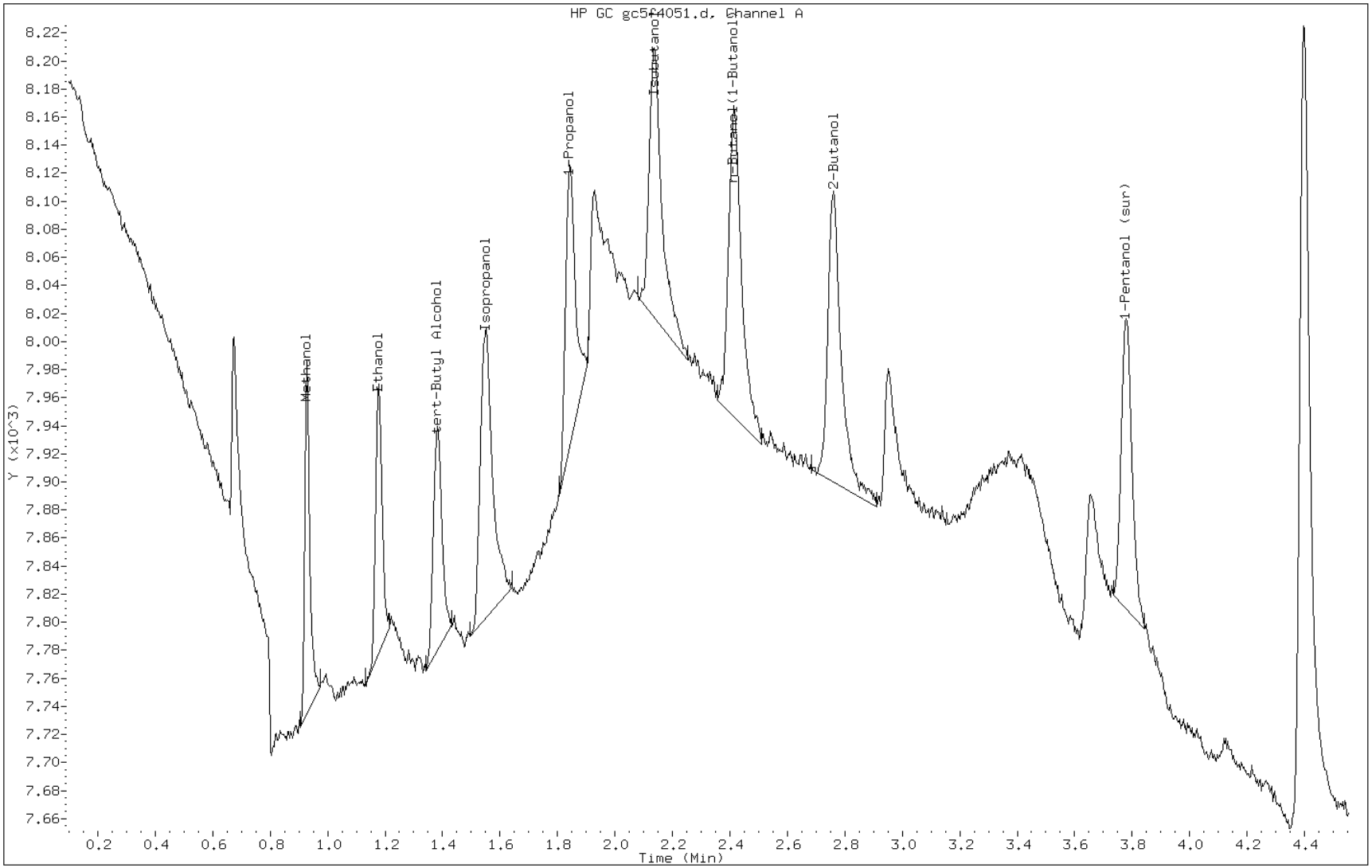
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: gc5f4051.d

Date: 16-SEP-2009 15:51

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL1_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.55

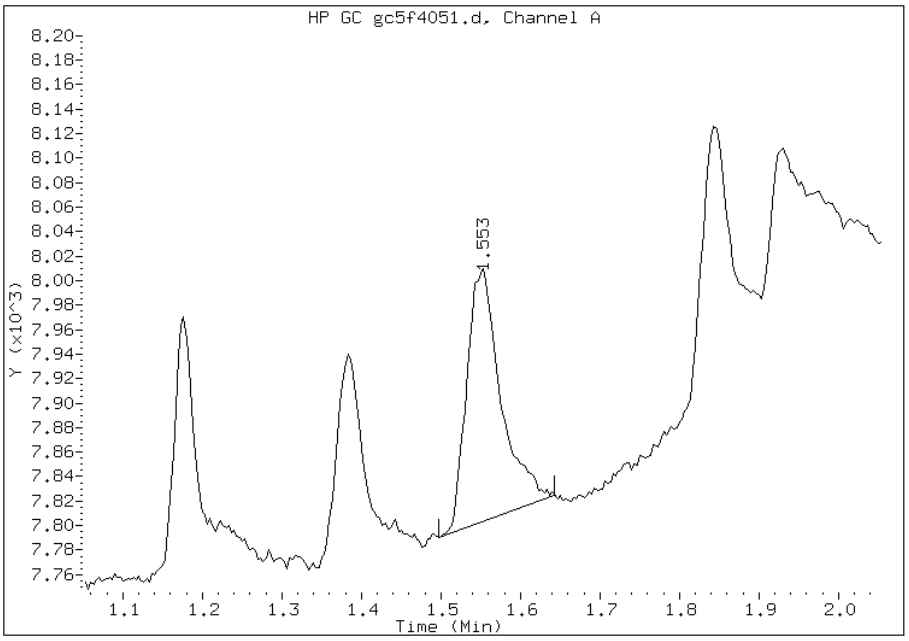
## Manual Integration Results

RT: 1.55

Response: 3078

Amount: 510.43

Conc: 510.43




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/17/2009

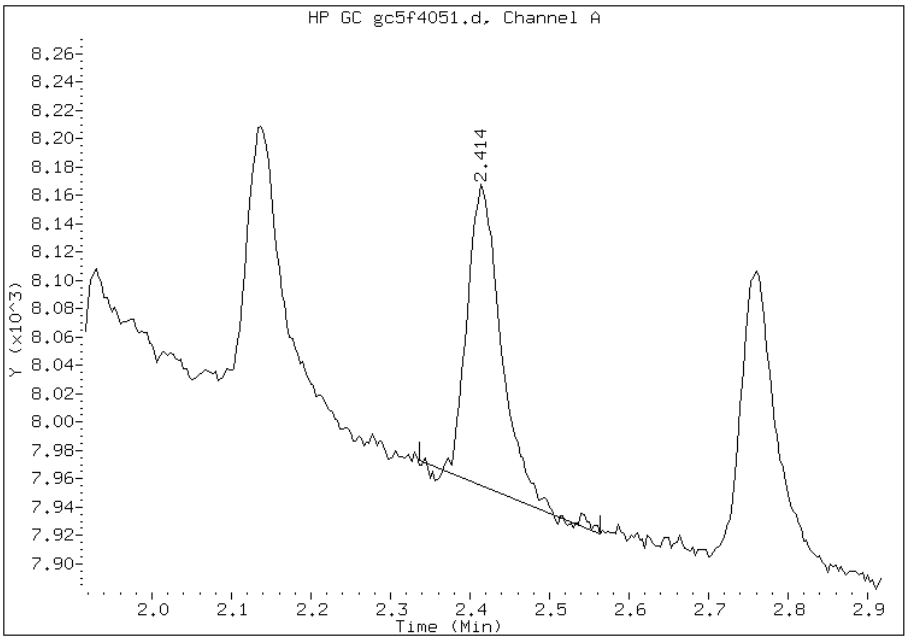
## Processing Integration Results

RT: 2.41

Response: 3167

Amount: 542.59

Conc: 542.59



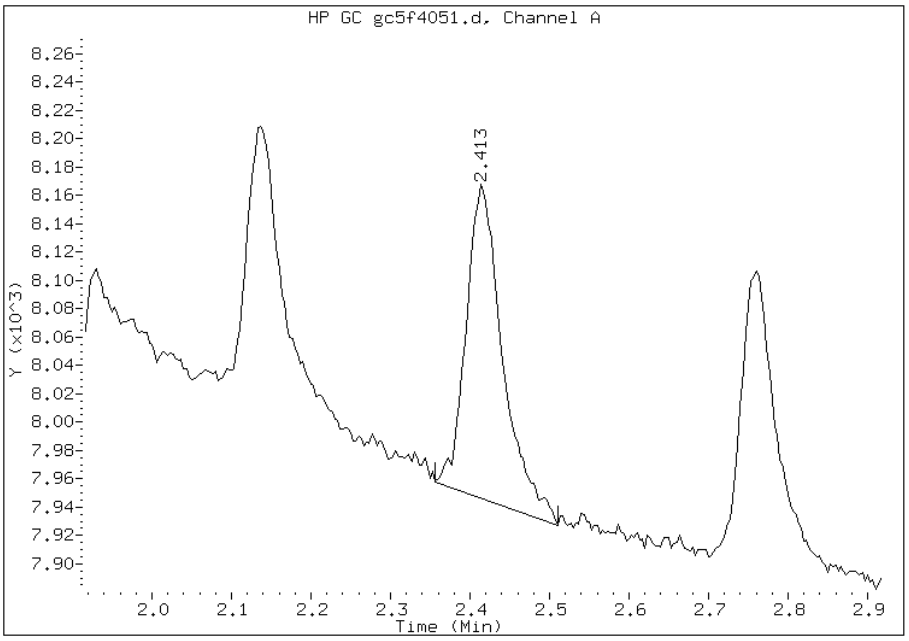

## Manual Integration Results

RT: 2.41

Response: 3530

Amount: 621.99

Conc: 621.99




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.18

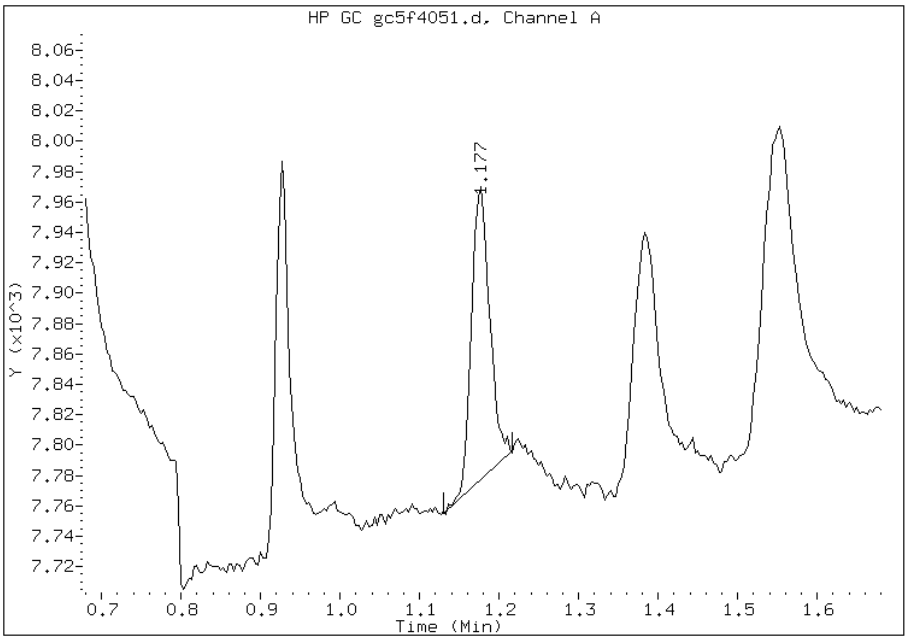
## Manual Integration Results

RT: 1.18

Response: 1546

Amount: 399.65

Conc: 399.65




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.85

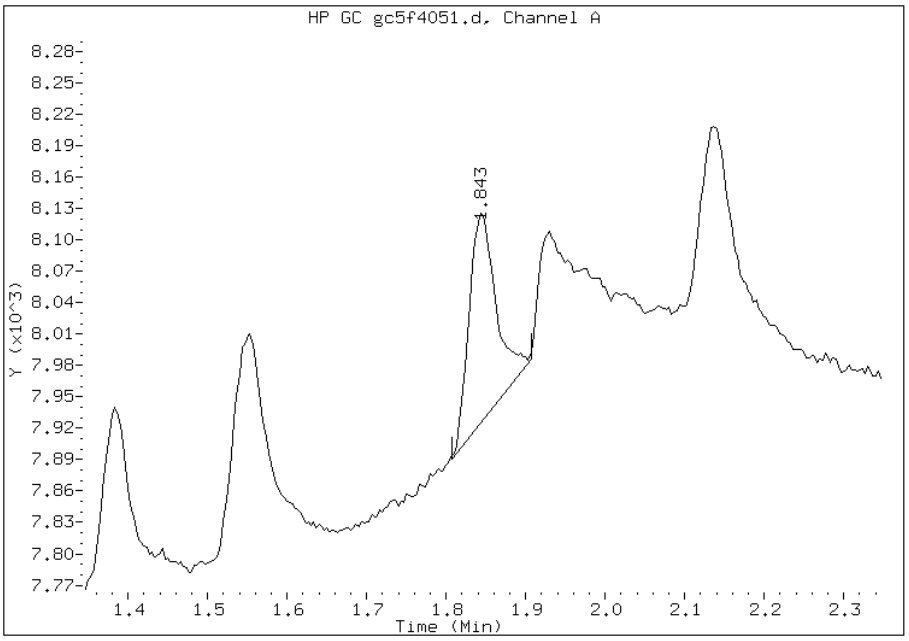
## Manual Integration Results

RT: 1.84

Response: 2359

Amount: 485.82

Conc: 485.82




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

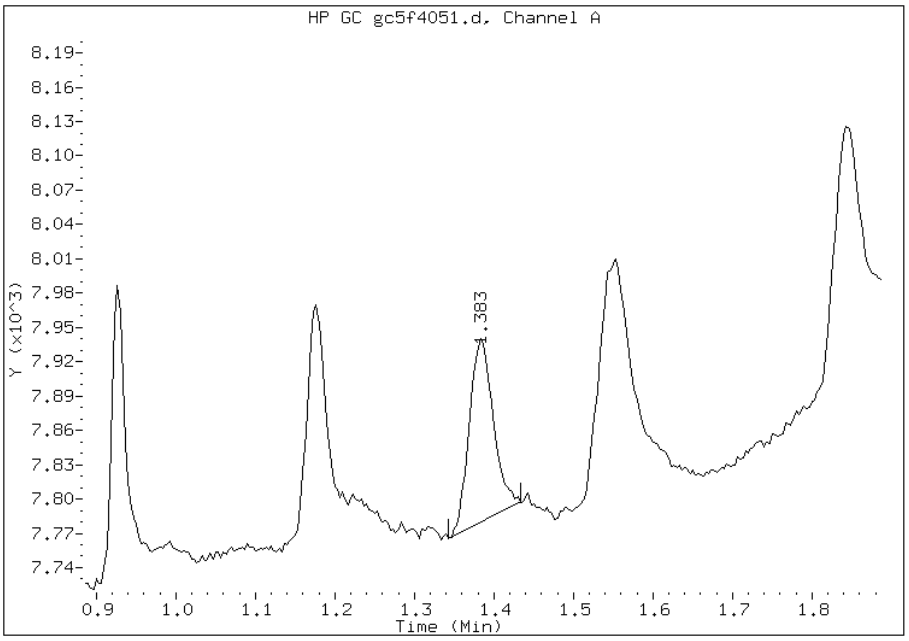
## Manual Integration Results

RT: 1.38

Response: 1678

Amount: 416.28

Conc: 416.28




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/17/2009

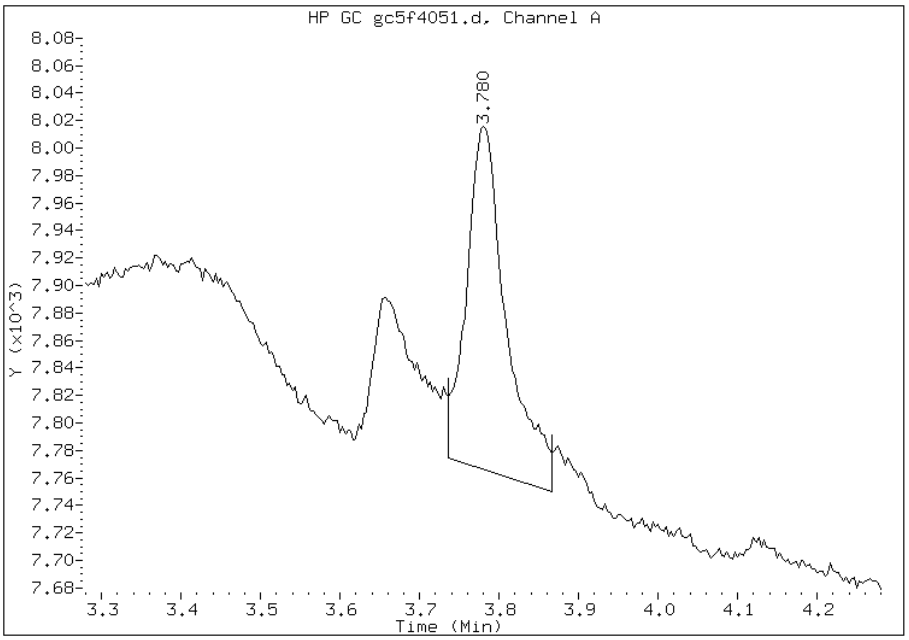
## Processing Integration Results

RT: 3.78

Response: 4333

Amount: 671.70

Conc: 671.70



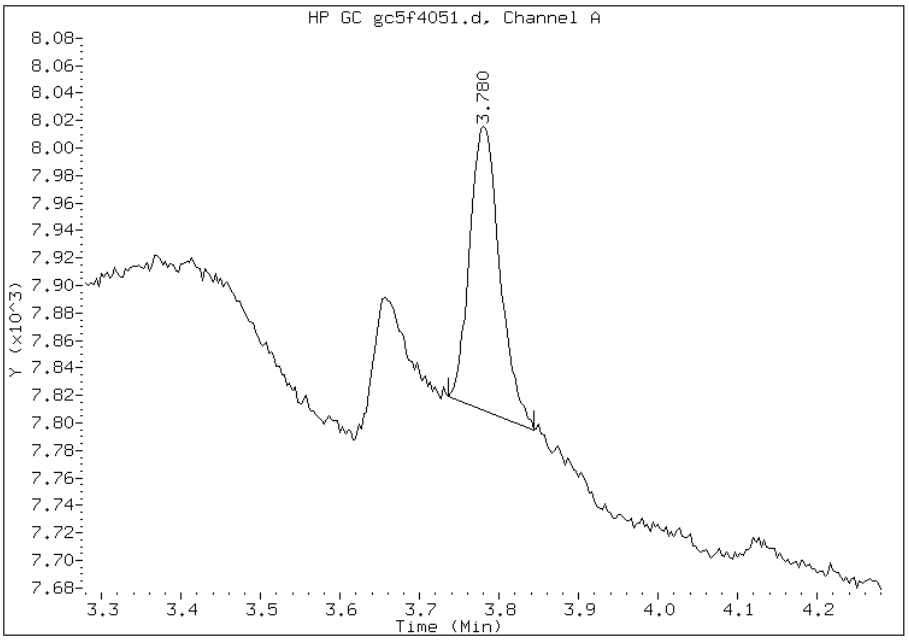

## Manual Integration Results

RT: 3.78

Response: 2727

Amount: 505.58

Conc: 505.58




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4051.d
Inj. Date and Time: 16-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/17/2009

## Processing Integration Results

Not Detected

Expected RT: 0.93

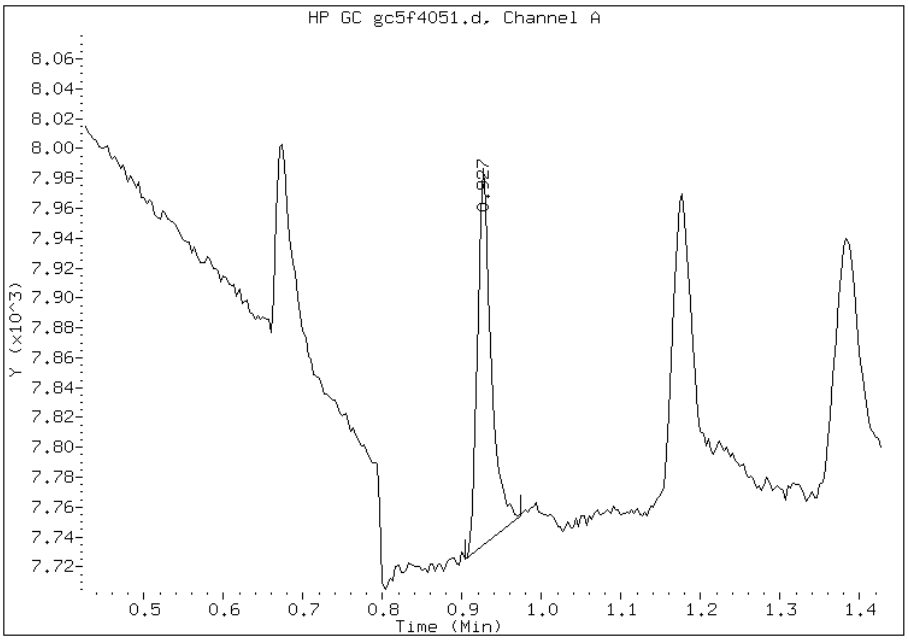
## Manual Integration Results

RT: 0.93

Response: 1532

Amount: 432.81

Conc: 432.81




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVRT 460-17320/3 Calibration Date: 09/17/2009 15:45

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4077.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.540 | 3.943 | | 5570 | 5000 | 11.4 | 15.0 |
| Ethanol | Ave | 3.868 | 4.230 | | 5470 | 5000 | 9.4 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.031 | 4.354 | | 5400 | 5000 | 8.0 | 15.0 |
| Isopropyl alcohol | Ave | 6.030 | 6.189 | | 5130 | 5000 | 2.6 | 15.0 |
| Propanol | Ave | 4.856 | 4.847 | | 4990 | 5000 | -0.2 | 15.0 |
| Isobutyl alcohol | Ave | 4.933 | 4.767 | | 4830 | 5000 | -3.4 | 15.0 |
| n-Butanol | Ave | 5.675 | 5.590 | | 4930 | 5000 | -1.5 | 15.0 |
| sec-Butyl Alcohol | Ave | 5.458 | 5.338 | | 4890 | 5000 | -2.2 | 15.0 |
| 1-Pentanol | Ave | 5.394 | 5.596 | | 5190 | 5000 | 3.7 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVRT 460-17320/3 Calibration Date: 09/17/2009 15:45

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4077.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.92 | 0.78 | 0.98 |
| Ethanol | 1.17 | 1.02 | 1.22 |
| 2-Methyl-2-propanol | 1.38 | 1.23 | 1.43 |
| Isopropyl alcohol | 1.54 | 1.39 | 1.59 |
| Propanol | 1.84 | 1.68 | 1.88 |
| Isobutyl alcohol | 2.13 | 1.97 | 2.17 |
| n-Butanol | 2.40 | 2.25 | 2.45 |
| sec-Butyl Alcohol | 2.75 | 2.60 | 2.80 |
| 1-Pentanol | 3.77 | 3.62 | 3.82 |

Data File: gc5f4077.d
Report Date: 18-Sep-2009 08:06

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4077.d
Lab Smp Id: CCVRT-SGALCL3_00002
Inj Date  : 17-SEP-2009 15:45
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCVRT-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:06 patelhe Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.923 | 0.923 | 0.000 | 19717 | 5000.00 | 5570(M) |
| 5 Ethanol | 1.170 | 1.170 | 0.000 | 21151 | 5000.00 | 5470(M) |
| 4 tert-Butyl Alcohol | 1.377 | 1.377 | 0.000 | 21768 | 5000.00 | 5400 |
| 6 Isopropanol | 1.542 | 1.542 | 0.000 | 30947 | 5000.00 | 5130 |
| 7 1-Propanol | 1.837 | 1.837 | 0.000 | 24233 | 5000.00 | 4990(M) |
| 9 Isobutanol | 2.127 | 2.127 | 0.000 | 23836 | 5000.00 | 4830(M) |
| 10 n-Butanol(1-Butanol) | 2.404 | 2.404 | 0.000 | 27951 | 5000.00 | 4920 |
| 8 2-Butanol | 2.747 | 2.747 | 0.000 | 26689 | 5000.00 | 4890 |
| $ 11 1-Pentanol (sur) | 3.766 | 3.766 | 0.000 | 27979 | 5000.00 | 5190 |

QC Flag Legend

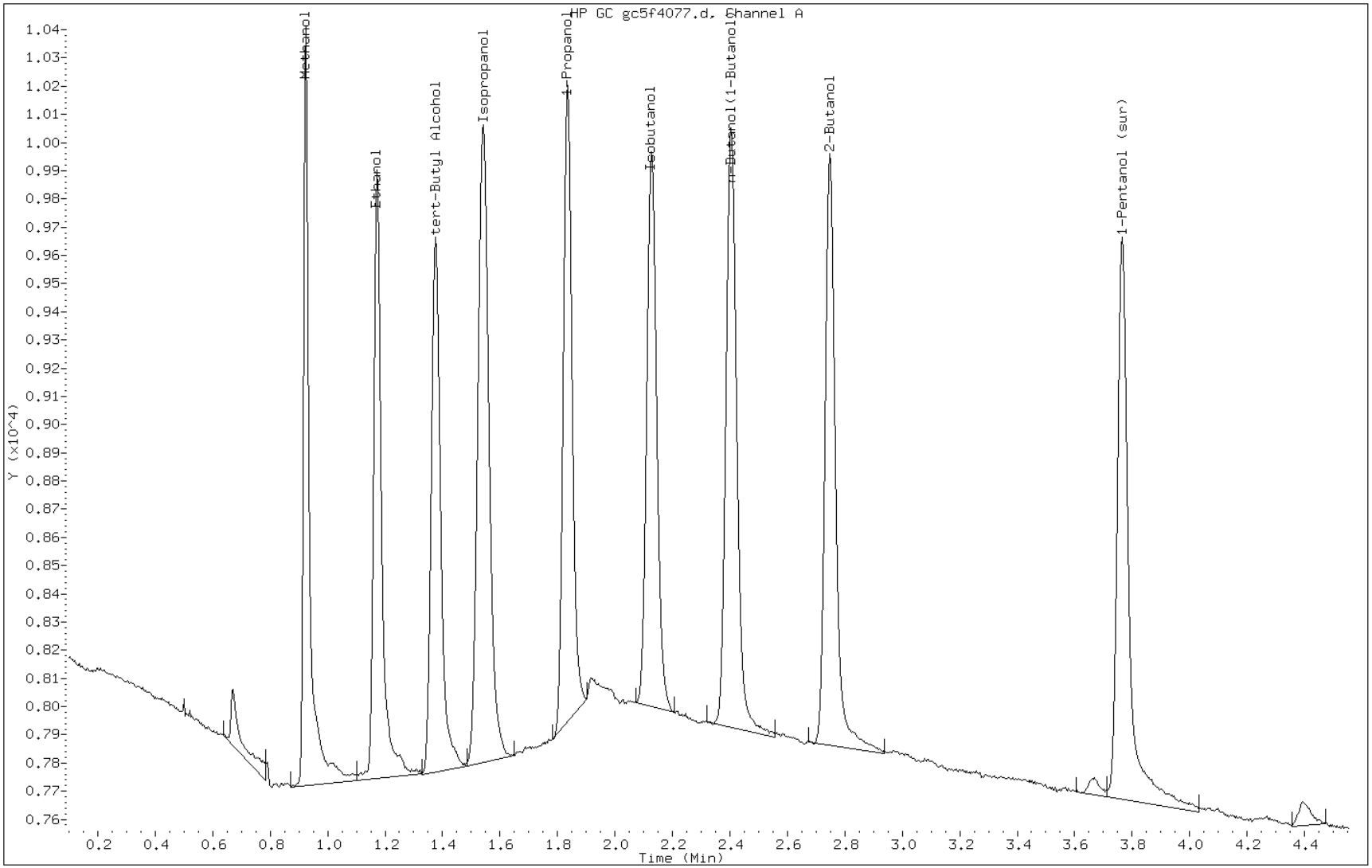
M - Compound response manually integrated.

Data File: gc5f4077.d

Date: 17-SEP-2009 15:45

Client ID: Instrument: BNAGC5.i

Sample Info: CCVRT-SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4077.d
Inj. Date and Time: 17-SEP-2009 15:45
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 1.78

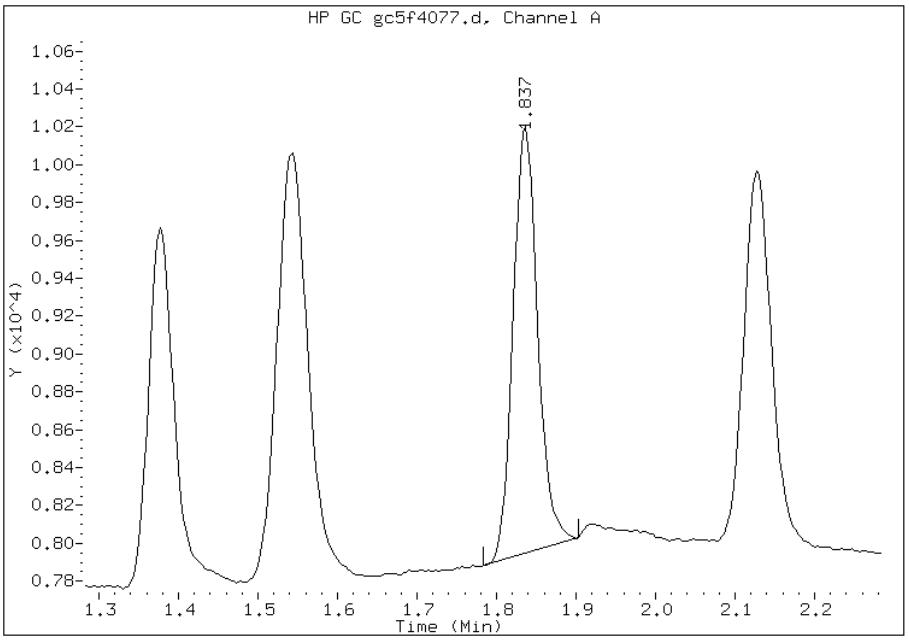
## Manual Integration Results

RT: 1.84

Response: 24233

Amount: 4990.64

Conc: 4990.64




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4077.d
Inj. Date and Time: 17-SEP-2009 15:45
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 0.88

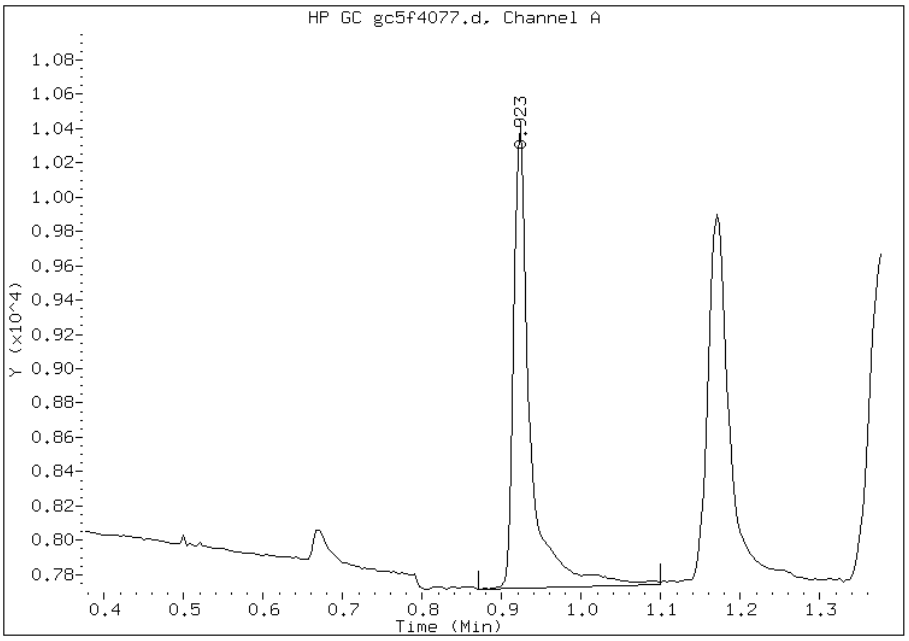
## Manual Integration Results

RT: 0.92

Response: 19717

Amount: 5570.31

Conc: 5570.31




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4077.d
Inj. Date and Time: 17-SEP-2009 15:45
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 1.12

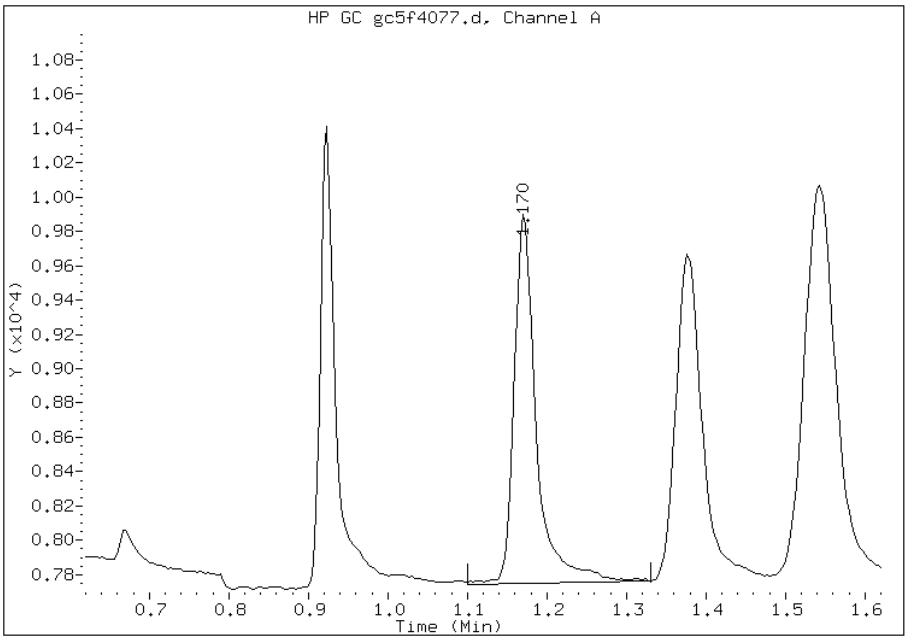
## Manual Integration Results

RT: 1.17

Response: 21151

Amount: 5467.69

Conc: 5467.69




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4077.d
Inj. Date and Time: 17-SEP-2009 15:45
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 2.07

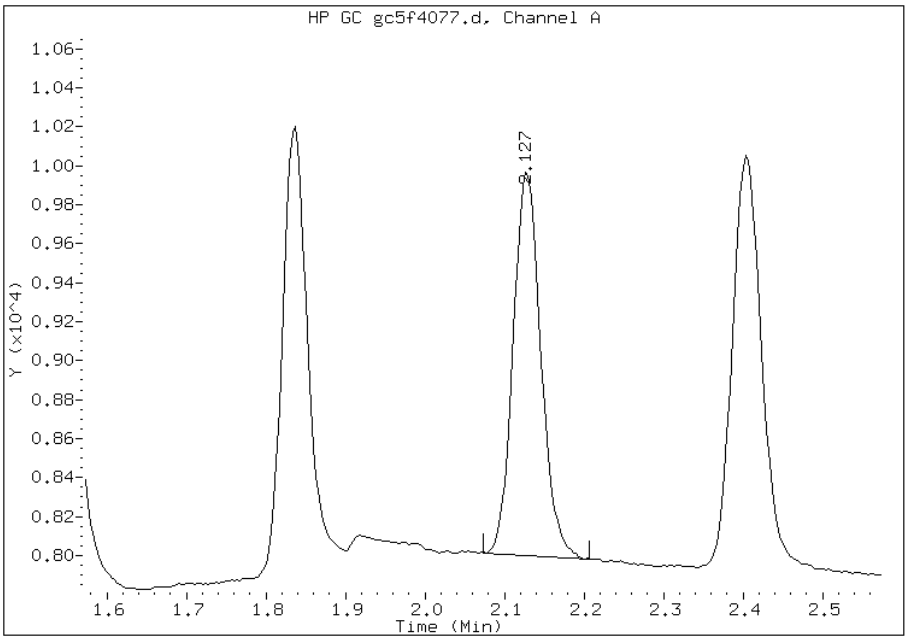
## Manual Integration Results

RT: 2.13

Response: 23836

Amount: 4832.07

Conc: 4832.07




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCV 460-17320/16 Calibration Date: 09/17/2009 17:12

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4091.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.540 | 3.899 | | 5510 | 5000 | 10.2 | 15.0 |
| Ethanol | Ave | 3.868 | 4.136 | | 5350 | 5000 | 6.9 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.031 | 4.387 | | 5440 | 5000 | 8.8 | 15.0 |
| Isopropyl alcohol | Ave | 6.030 | 6.284 | | 5210 | 5000 | 4.2 | 15.0 |
| Propanol | Ave | 4.856 | 4.964 | | 5110 | 5000 | 2.2 | 15.0 |
| Isobutyl alcohol | Ave | 4.933 | 4.805 | | 4870 | 5000 | -2.6 | 15.0 |
| n-Butanol | Ave | 5.675 | 5.604 | | 4940 | 5000 | -1.2 | 15.0 |
| sec-Butyl Alcohol | Ave | 5.458 | 5.168 | | 4730 | 5000 | -5.3 | 15.0 |
| 1-Pentanol | Ave | 5.394 | 5.242 | | 4860 | 5000 | -2.8 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVRT 460-17321/11 Calibration Date: 09/17/2009 17:12

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4091.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.540 | 3.899 | | 5510 | 5000 | 10.2 | 15.0 |
| Ethanol | Ave | 3.868 | 4.136 | | 5350 | 5000 | 6.9 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.031 | 4.387 | | 5440 | 5000 | 8.8 | 15.0 |
| Isopropyl alcohol | Ave | 6.030 | 6.284 | | 5210 | 5000 | 4.2 | 15.0 |
| Propanol | Ave | 4.856 | 4.964 | | 5110 | 5000 | 2.2 | 15.0 |
| Isobutyl alcohol | Ave | 4.933 | 4.805 | | 4870 | 5000 | -2.6 | 15.0 |
| n-Butanol | Ave | 5.675 | 5.604 | | 4940 | 5000 | -1.2 | 15.0 |
| sec-Butyl Alcohol | Ave | 5.458 | 5.168 | | 4730 | 5000 | -5.3 | 15.0 |
| 1-Pentanol | Ave | 5.394 | 5.242 | | 4860 | 5000 | -2.8 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCV 460-17320/16 Calibration Date: 09/17/2009 17:12

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4091.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.88 | 0.78 | 0.98 |
| Ethanol | 1.12 | 1.02 | 1.22 |
| 2-Methyl-2-propanol | 1.33 | 1.23 | 1.43 |
| Isopropyl alcohol | 1.49 | 1.39 | 1.59 |
| Propanol | 1.78 | 1.68 | 1.88 |
| Isobutyl alcohol | 2.07 | 1.97 | 2.17 |
| n-Butanol | 2.35 | 2.25 | 2.45 |
| sec-Butyl Alcohol | 2.70 | 2.60 | 2.80 |
| 1-Pentanol | 3.72 | 3.62 | 3.82 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCVRT 460-17321/11 Calibration Date: 09/17/2009 17:12

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4091.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.88 | 0.80 | 1.00 |
| Ethanol | 1.12 | 1.04 | 1.24 |
| 2-Methyl-2-propanol | 1.33 | 1.25 | 1.45 |
| Isopropyl alcohol | 1.49 | 1.41 | 1.61 |
| Propanol | 1.78 | 1.70 | 1.90 |
| Isobutyl alcohol | 2.07 | 1.99 | 2.19 |
| n-Butanol | 2.35 | 2.27 | 2.47 |
| sec-Butyl Alcohol | 2.70 | 2.61 | 2.81 |
| 1-Pentanol | 3.72 | 3.63 | 3.83 |

Data File: gc5f4091.d
Report Date: 18-Sep-2009 08:09

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4091.d
Lab Smp Id: CCV-SGALCL3_00002
Inj Date  : 17-SEP-2009 17:12
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCV-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:09 patelhe Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|
| | | | | | | CAL-AMT | ON-COL |
| | Compounds | RT | EXP RT | DLT RT | RESPONSE | ( ug/L) | ( ug/L) |
| | 3 Methanol | 0.880 | 0.880 | 0.000 | 19497 | 5000.00 | 5510 |
| | 5 Ethanol | 1.123 | 1.123 | 0.000 | 20679 | 5000.00 | 5340 |
| | 4 tert-Butyl Alcohol | 1.327 | 1.327 | 0.000 | 21936 | 5000.00 | 5440 |
| | 6 Isopropanol | 1.491 | 1.491 | 0.000 | 31419 | 5000.00 | 5210 |
| | 7 1-Propanol | 1.783 | 1.783 | 0.000 | 24821 | 5000.00 | 5110(M) |
| | 9 Isobutanol | 2.075 | 2.075 | 0.000 | 24026 | 5000.00 | 4870 |
| | 10 n-Butanol(1-Butanol) | 2.352 | 2.352 | 0.000 | 28022 | 5000.00 | 4940 |
| | 8 2-Butanol | 2.696 | 2.696 | 0.000 | 25842 | 5000.00 | 4730 |
| $ | 11 1-Pentanol (sur) | 3.720 | 3.720 | 0.000 | 26209 | 5000.00 | 4860 |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4091.d
Report Date: 18-Sep-2009 08:14

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/gc5f4091.d
Lab Smp Id: CCVRT-SGALCL3_00002
Inj Date  : 17-SEP-2009 17:12
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCVRT-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:14 patelhe Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|
| | | | | | | CAL-AMT | ON-COL |
| | Compounds | RT | EXP RT | DLT RT | RESPONSE | ( ug/L) | ( ug/L) |
| | 3 Methanol | 0.880 | 0.880 | 0.000 | 19497 | 5000.00 | 5510 |
| | 5 Ethanol | 1.123 | 1.123 | 0.000 | 20679 | 5000.00 | 5340 |
| | 4 tert-Butyl Alcohol | 1.327 | 1.327 | 0.000 | 21936 | 5000.00 | 5440 |
| | 6 Isopropanol | 1.491 | 1.491 | 0.000 | 31419 | 5000.00 | 5210 |
| | 7 1-Propanol | 1.783 | 1.783 | 0.000 | 24821 | 5000.00 | 5110(M) |
| | 9 Isobutanol | 2.075 | 2.075 | 0.000 | 24026 | 5000.00 | 4870 |
| | 10 n-Butanol(1-Butanol) | 2.352 | 2.352 | 0.000 | 28022 | 5000.00 | 4940 |
| | 8 2-Butanol | 2.696 | 2.696 | 0.000 | 25842 | 5000.00 | 4730 |
| $ | 11 1-Pentanol (sur) | 3.720 | 3.720 | 0.000 | 26209 | 5000.00 | 4860 |

QC Flag Legend

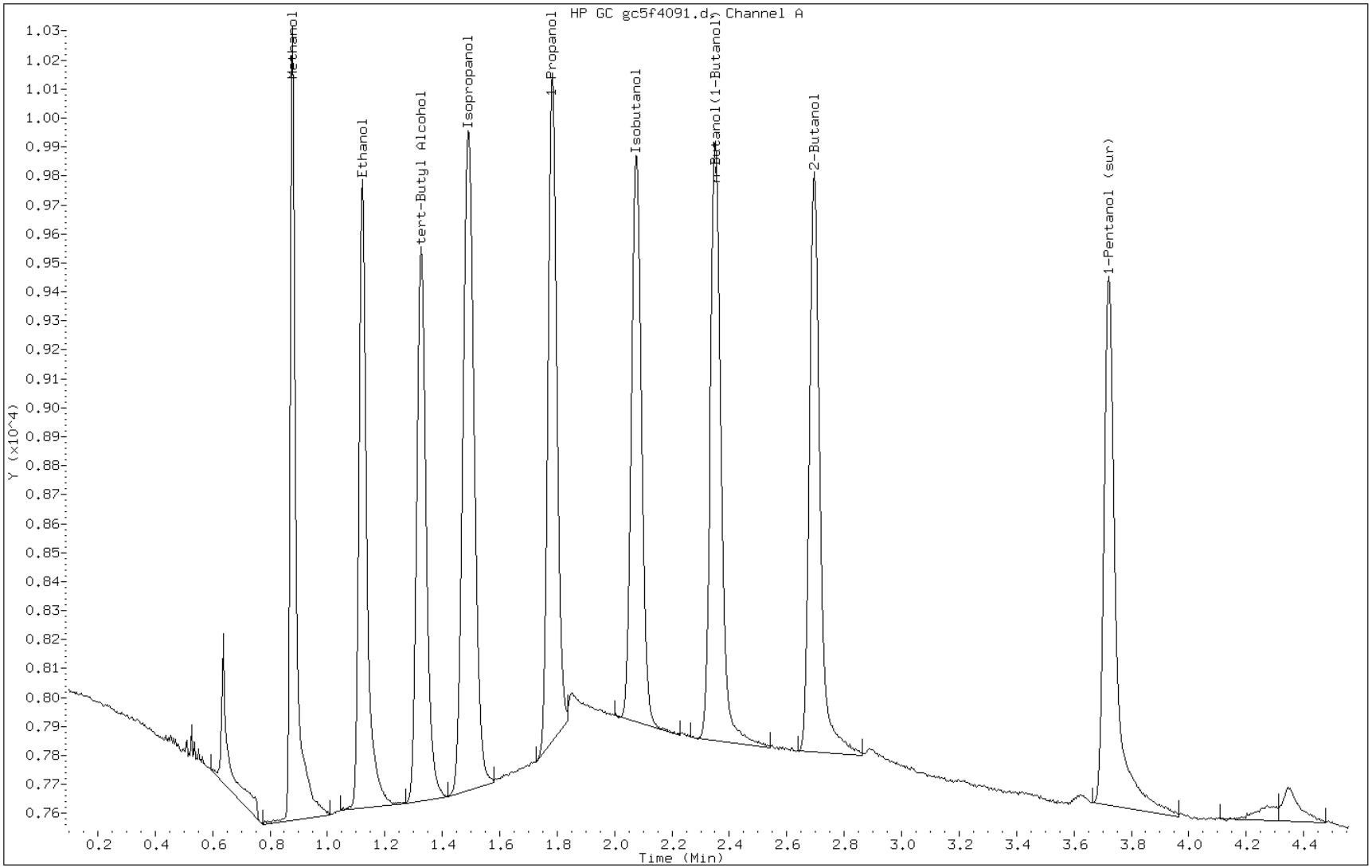
M - Compound response manually integrated.

Data File: gc5f4091.d

Date: 17-SEP-2009 17:12

Client ID: Instrument: BNAGC5.i

Sample Info: CCV-SGALCL3_00002 Operator: 615

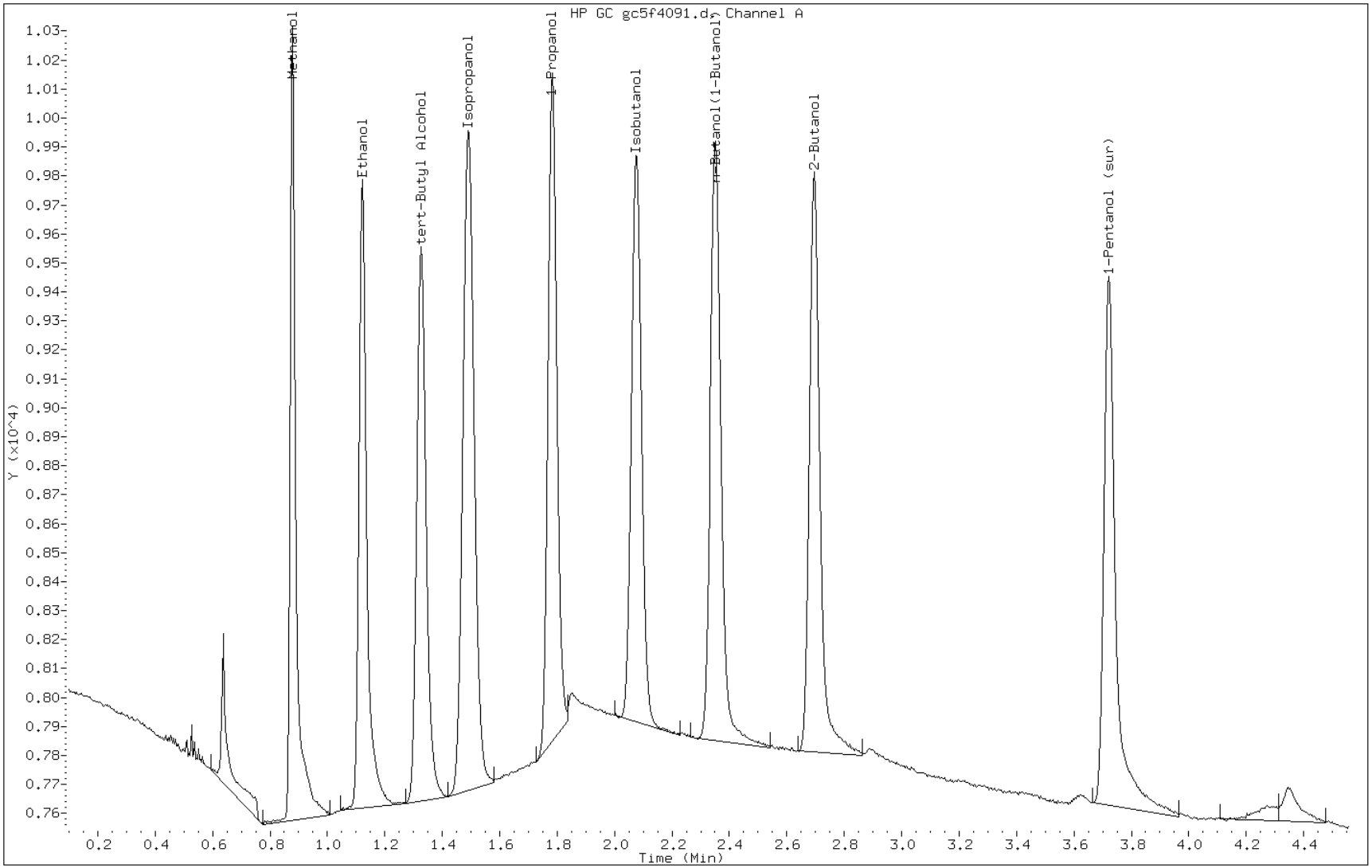


Data File: gc5f4091.d

Date: 17-SEP-2009 17:12

Client ID: Instrument: BNAGC5.i

Sample Info: CCVRT-SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4091.d
Inj. Date and Time: 17-SEP-2009 17:12
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 1.78

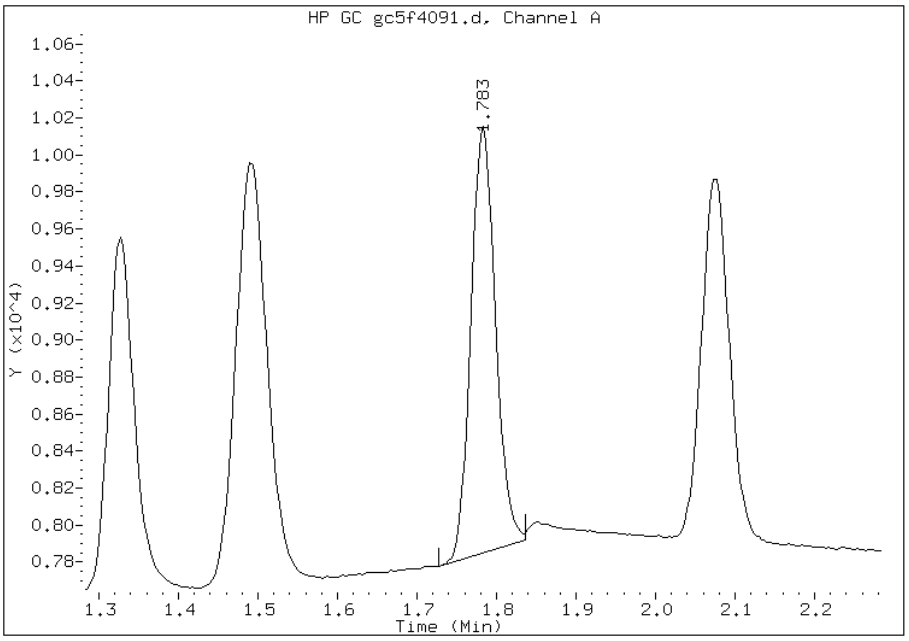
## Manual Integration Results

RT: 1.78

Response: 24821

Amount: 5111.73

Conc: 5111.73




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4091.d
Inj. Date and Time: 17-SEP-2009 17:12
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 1.80

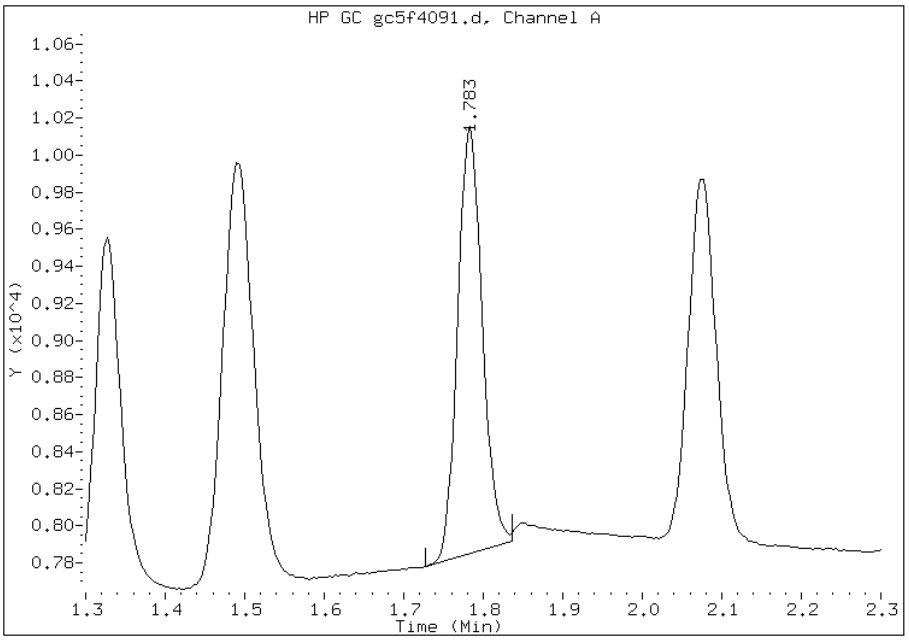
## Manual Integration Results

RT: 1.78

Response: 24821

Amount: 5111.73

Conc: 5111.73




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCV 460-17321/10 Calibration Date: 09/17/2009 18:14

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4101.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.540 | 3.743 | | 5290 | 5000 | 5.8 | 15.0 |
| Ethanol | Ave | 3.868 | 4.177 | | 5400 | 5000 | 8.0 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.031 | 4.340 | | 5380 | 5000 | 7.7 | 15.0 |
| Isopropyl alcohol | Ave | 6.030 | 6.139 | | 5090 | 5000 | 1.8 | 15.0 |
| Propanol | Ave | 4.856 | 4.934 | | 5080 | 5000 | 1.6 | 15.0 |
| Isobutyl alcohol | Ave | 4.933 | 4.768 | | 4830 | 5000 | -3.3 | 15.0 |
| n-Butanol | Ave | 5.675 | 5.456 | | 4810 | 5000 | -3.9 | 15.0 |
| sec-Butyl Alcohol | Ave | 5.458 | 5.017 | | 4600 | 5000 | -8.1 | 15.0 |
| 1-Pentanol | Ave | 5.394 | 5.484 | | 5080 | 5000 | 1.7 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Lab Sample ID: CCV 460-17321/10 Calibration Date: 09/17/2009 18:14

Instrument ID: BNAGC5 Calib Start Date: 09/16/2009 15:26

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/16/2009 15:51

Lab File ID: gc5f4101.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.90 | 0.80 | 1.00 |
| Ethanol | 1.14 | 1.04 | 1.24 |
| 2-Methyl-2-propanol | 1.35 | 1.25 | 1.45 |
| Isopropyl alcohol | 1.51 | 1.41 | 1.61 |
| Propanol | 1.80 | 1.70 | 1.90 |
| Isobutyl alcohol | 2.09 | 1.99 | 2.19 |
| n-Butanol | 2.37 | 2.27 | 2.47 |
| sec-Butyl Alcohol | 2.71 | 2.61 | 2.81 |
| 1-Pentanol | 3.73 | 3.63 | 3.83 |

Data File: gc5f4101.d
Report Date: 18-Sep-2009 08:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/gc5f4101.d
Lab Smp Id: CCV-SGALCL3_00002
Inj Date  : 17-SEP-2009 18:14
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCV-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:15 patelhe Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.898 | 0.898 | 0.000 | 18717 | 5000.00 | 5290 |
| 5 Ethanol | 1.141 | 1.141 | 0.000 | 20887 | 5000.00 | 5400 |
| 4 tert-Butyl Alcohol | 1.345 | 1.345 | 0.000 | 21699 | 5000.00 | 5380 |
| 6 Isopropanol | 1.508 | 1.508 | 0.000 | 30695 | 5000.00 | 5090 |
| 7 1-Propanol | 1.800 | 1.800 | 0.000 | 24669 | 5000.00 | 5080(M) |
| 9 Isobutanol | 2.089 | 2.089 | 0.000 | 23841 | 5000.00 | 4830 |
| 10 n-Butanol(1-Butanol) | 2.365 | 2.365 | 0.000 | 27281 | 5000.00 | 4810 |
| 8 2-Butanol | 2.707 | 2.707 | 0.000 | 25087 | 5000.00 | 4600 |
| $ 11 1-Pentanol (sur) | 3.728 | 3.728 | 0.000 | 27422 | 5000.00 | 5080 |

QC Flag Legend

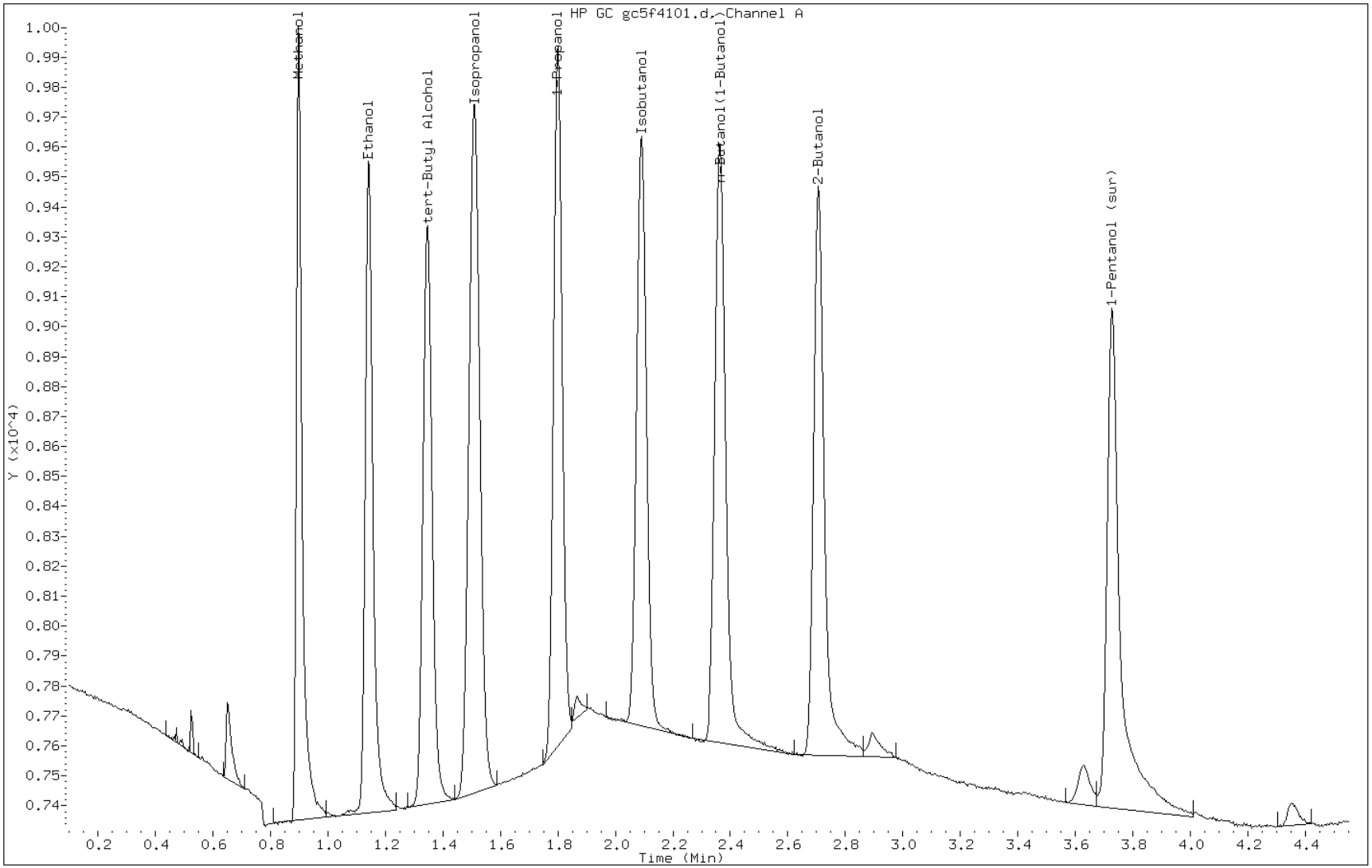
M - Compound response manually integrated.

Data File: gc5f4101.d

Date: 17-SEP-2009 18:14

Client ID: Instrument: BNAGC5.i

Sample Info: CCV-SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4101.d
Inj. Date and Time: 17-SEP-2009 18:14
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 1.80

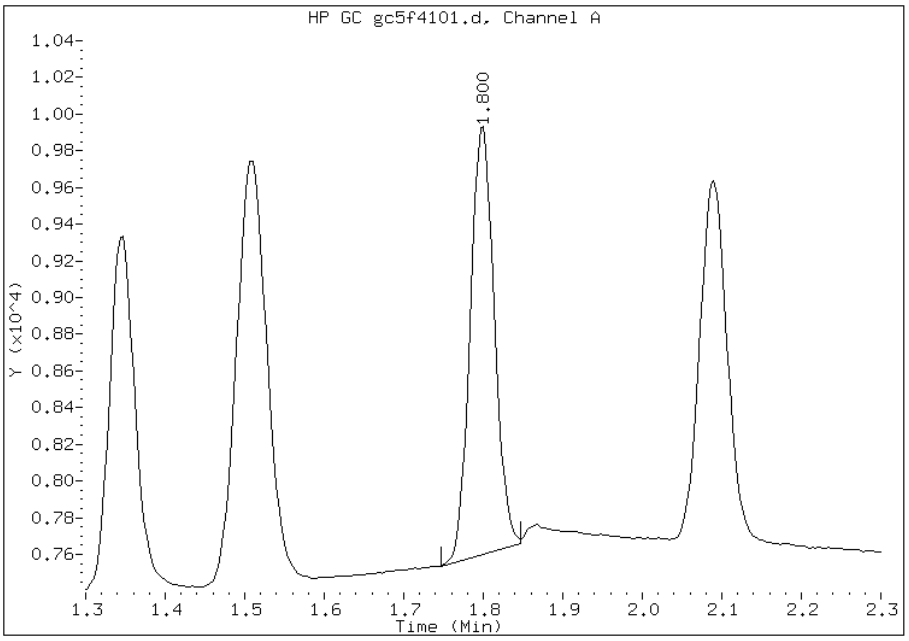
## Manual Integration Results

RT: 1.80

Response: 24669

Amount: 5080.43

Conc: 5080.43




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5774-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-17320/17

Matrix: Water  Lab File ID: gc5f4090.d

Analysis Method: 8015B  Date Collected:

Sample wt/vol: 1(uL)  Date Analyzed: 09/17/2009 17:06

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17320  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 99 | 52-122 | |

Data File: gc5f4090.d
Report Date: 18-Sep-2009 08:07

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4090.d
Lab Smp Id: MB
Inj Date : 17-SEP-2009 17:06
Operator : 615 Inst ID: BNAGC5.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:07 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.720 | 3.720 | 0.000 | 26674 | 4945.33 | 4940(M) |

QC Flag Legend

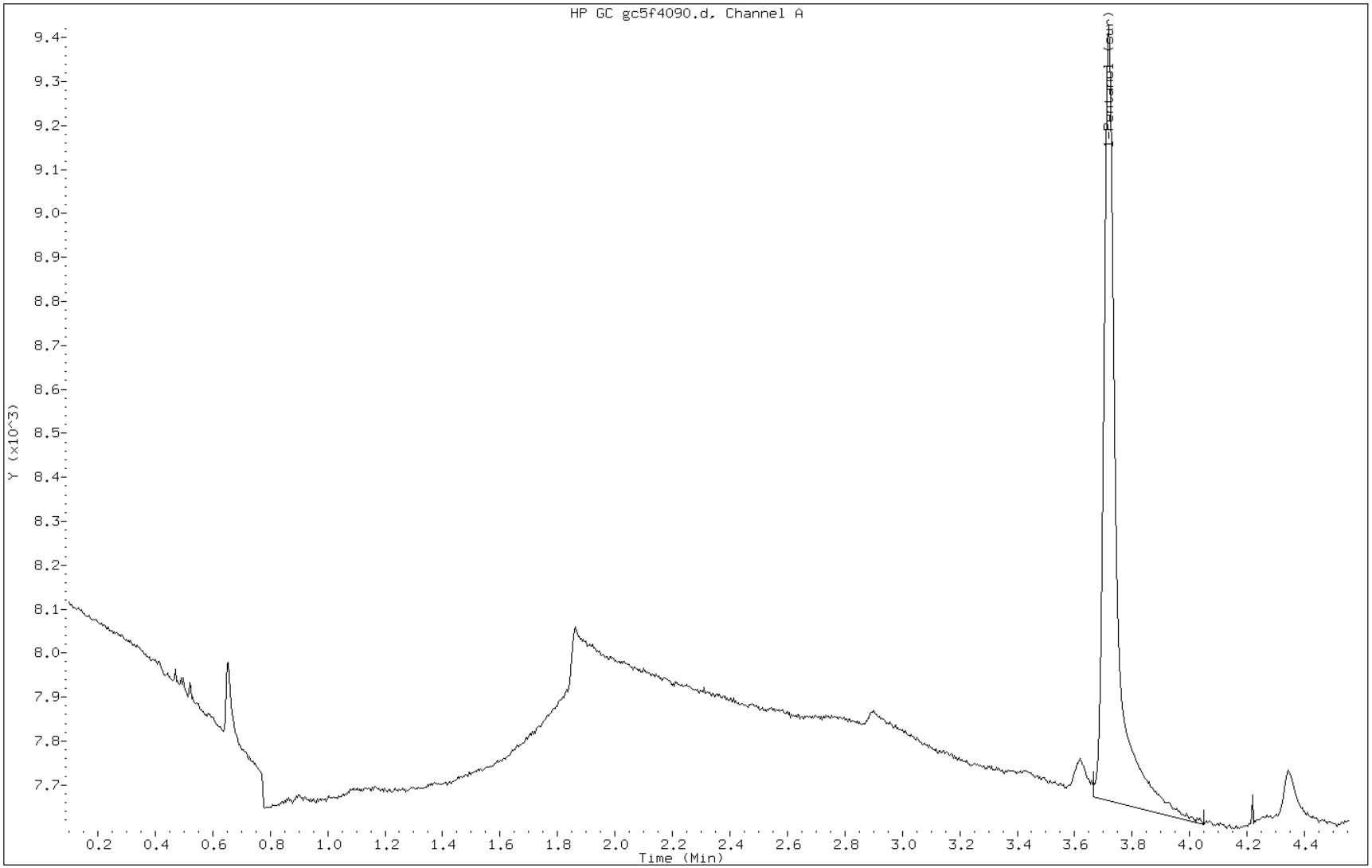
M - Compound response manually integrated.

Data File: gc5f4090.d

Date: 17-SEP-2009 17:06

Client ID: Instrument: BNAGC5.i

Sample Info: MB Operator: 615



# Manual Integration Report

Data File: gc5f4090.d
Inj. Date and Time: 17-SEP-2009 17:06
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 3.72

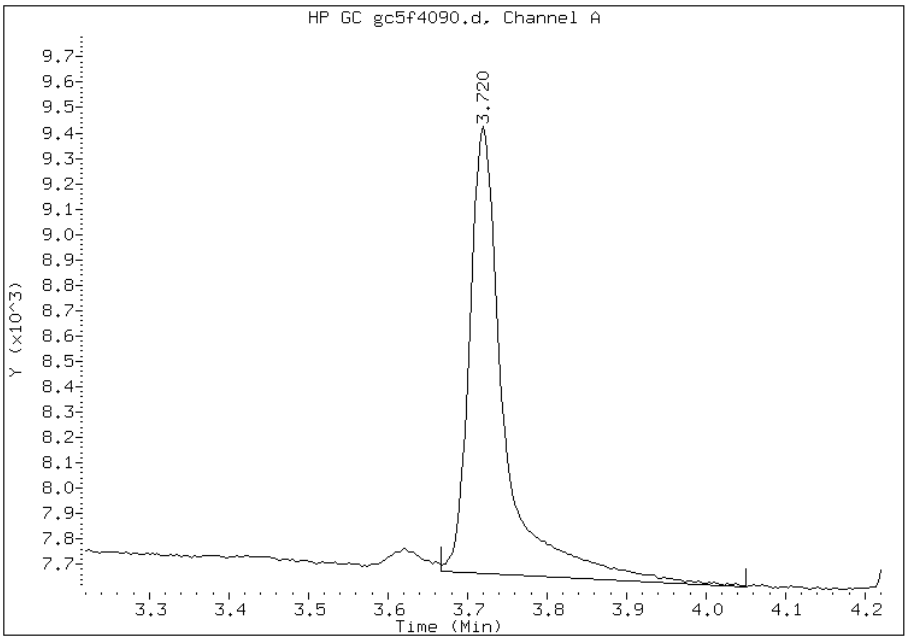
## Manual Integration Results

RT: 3.72

Response: 26674

Amount: 4945.33

Conc: 4945.33




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-17320/4

Matrix: Water Lab File ID: gc5f4078.d

Analysis Method: 8015B Date Collected:

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 15:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17320 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 5450 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 97 | 52-122 | |

Data File: gc5f4078.d
Report Date: 18-Sep-2009 08:06

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4078.d
Lab Smp Id: LCS
Inj Date : 17-SEP-2009 15:51
Operator : 615 Inst ID: BNAGC5.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:06 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.917 | 0.923 | -0.006 | 19282 | 5447.42 | 5450(M) |
| 5 Ethanol | 1.167 | 1.170 | -0.003 | 20523 | 5305.35 | 5300(M) |
| 4 tert-Butyl Alcohol | 1.370 | 1.377 | -0.007 | 21748 | 5395.28 | 5400(M) |
| 6 Isopropanol | 1.537 | 1.542 | -0.005 | 30337 | 5030.82 | 5030(M) |
| 7 1-Propanol | 1.827 | 1.837 | -0.010 | 24374 | 5019.68 | 5020(M) |
| 9 Isobutanol | 2.120 | 2.127 | -0.007 | 24238 | 4913.56 | 4910(M) |
| 10 n-Butanol(1-Butanol) | 2.395 | 2.404 | -0.009 | 27831 | 4903.86 | 4900 |
| 8 2-Butanol | 2.737 | 2.747 | -0.010 | 26200 | 4800.32 | 4800 |
| $ 11 1-Pentanol (sur) | 3.754 | 3.766 | -0.012 | 26072 | 4833.72 | 4830 |

QC Flag Legend

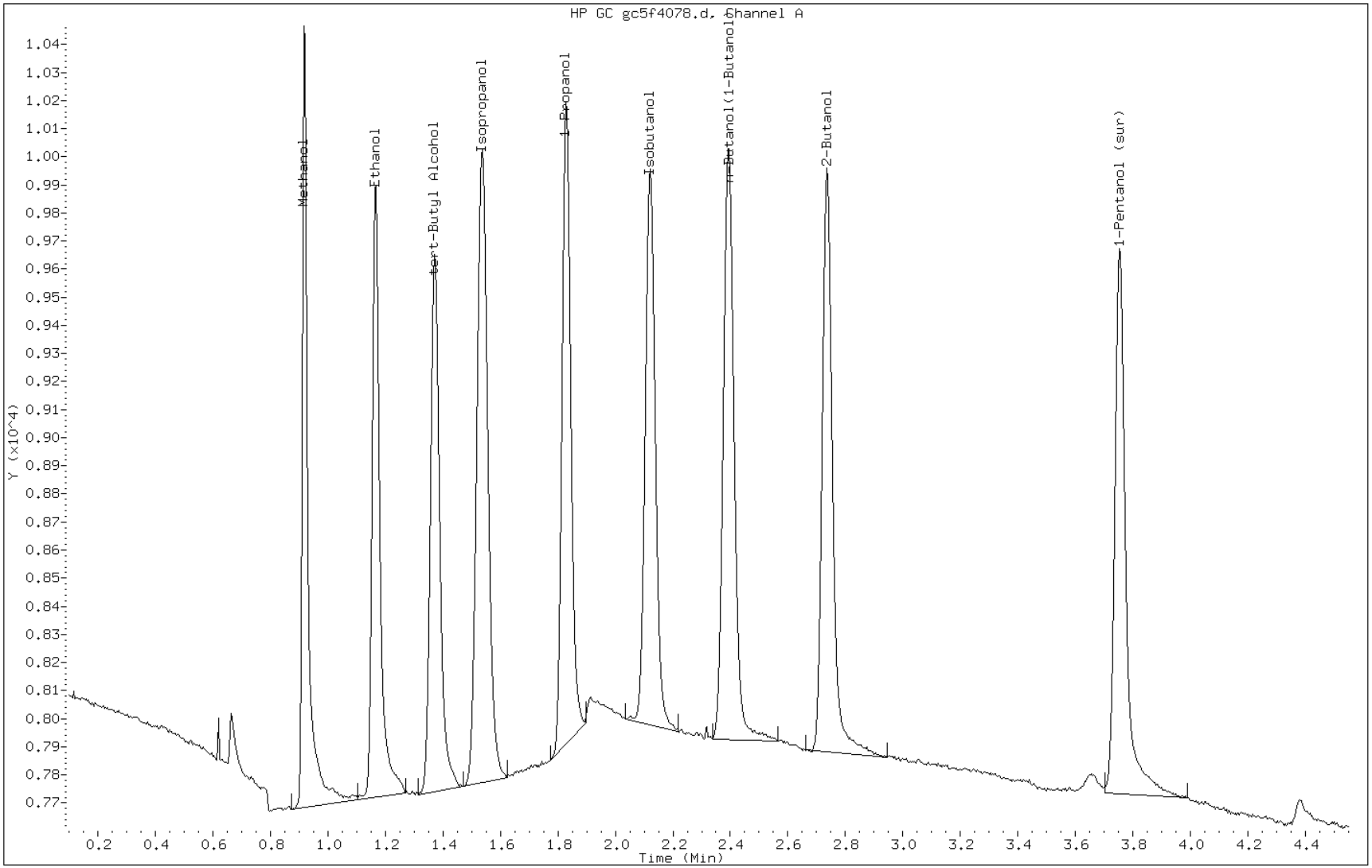
M - Compound response manually integrated.

Data File: gc5f4078.d

Date: 17-SEP-2009 15:51

Client ID: Instrument: BNAGC5.i

Sample Info: LCS Operator: 615



# Manual Integration Report

Data File: gc5f4078.d
Inj. Date and Time: 17-SEP-2009 15:51
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 0.88

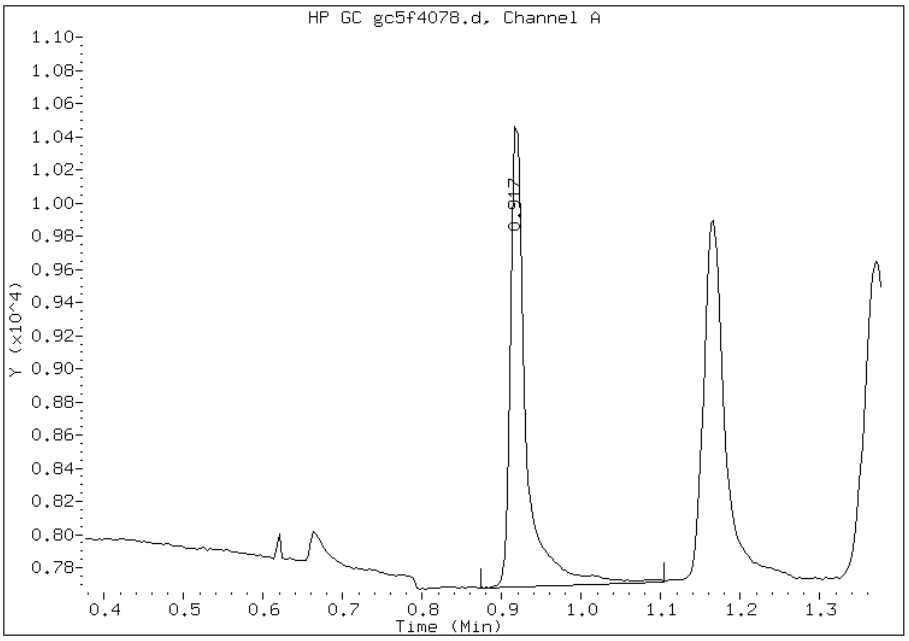
## Manual Integration Results

RT: 0.92

Response: 19282

Amount: 5447.42

Conc: 5447.42




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5774-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-17320/5

Matrix: Water Lab File ID: gc5f4079.d

Analysis Method: 8015B Date Collected:

Sample wt/vol: 1(uL) Date Analyzed: 09/17/2009 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17320 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 4740 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 103 | 52-122 | |

Data File: gc5f4079.d
Report Date: 18-Sep-2009 10:59

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4079.d
Lab Smp Id: LCSD
Inj Date : 17-SEP-2009 15:57
Operator : 615 Inst ID: BNAGC5.i
Smp Info : LCSD
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:09 patelhe Quant Type: ESTD
Cal Date : 16-SEP-2009 15:51 Cal File: gc5f4051.d
Als bottle: 1 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.903 | 0.880 | 0.023 | 16765 | 4736.33 | 4740(M) |
| 5 Ethanol | 1.147 | 1.123 | 0.024 | 18467 | 4773.86 | 4770(M) |
| 4 tert-Butyl Alcohol | 1.350 | 1.327 | 0.023 | 18611 | 4617.05 | 4620(M) |
| 6 Isopropanol | 1.513 | 1.491 | 0.022 | 28417 | 4712.43 | 4710(M) |
| 7 1-Propanol | 1.807 | 1.783 | 0.024 | 22436 | 4620.56 | 4620(M) |
| 9 Isobutanol | 2.097 | 2.075 | 0.022 | 22777 | 4617.39 | 4620(M) |
| 10 n-Butanol(1-Butanol) | 2.370 | 2.352 | 0.018 | 26373 | 4646.96 | 4650(M) |
| 8 2-Butanol | 2.713 | 2.696 | 0.017 | 25260 | 4628.09 | 4630(M) |
| $ 11 1-Pentanol (sur) | 3.731 | 3.720 | 0.011 | 27714 | 5138.14 | 5140(M) |

QC Flag Legend

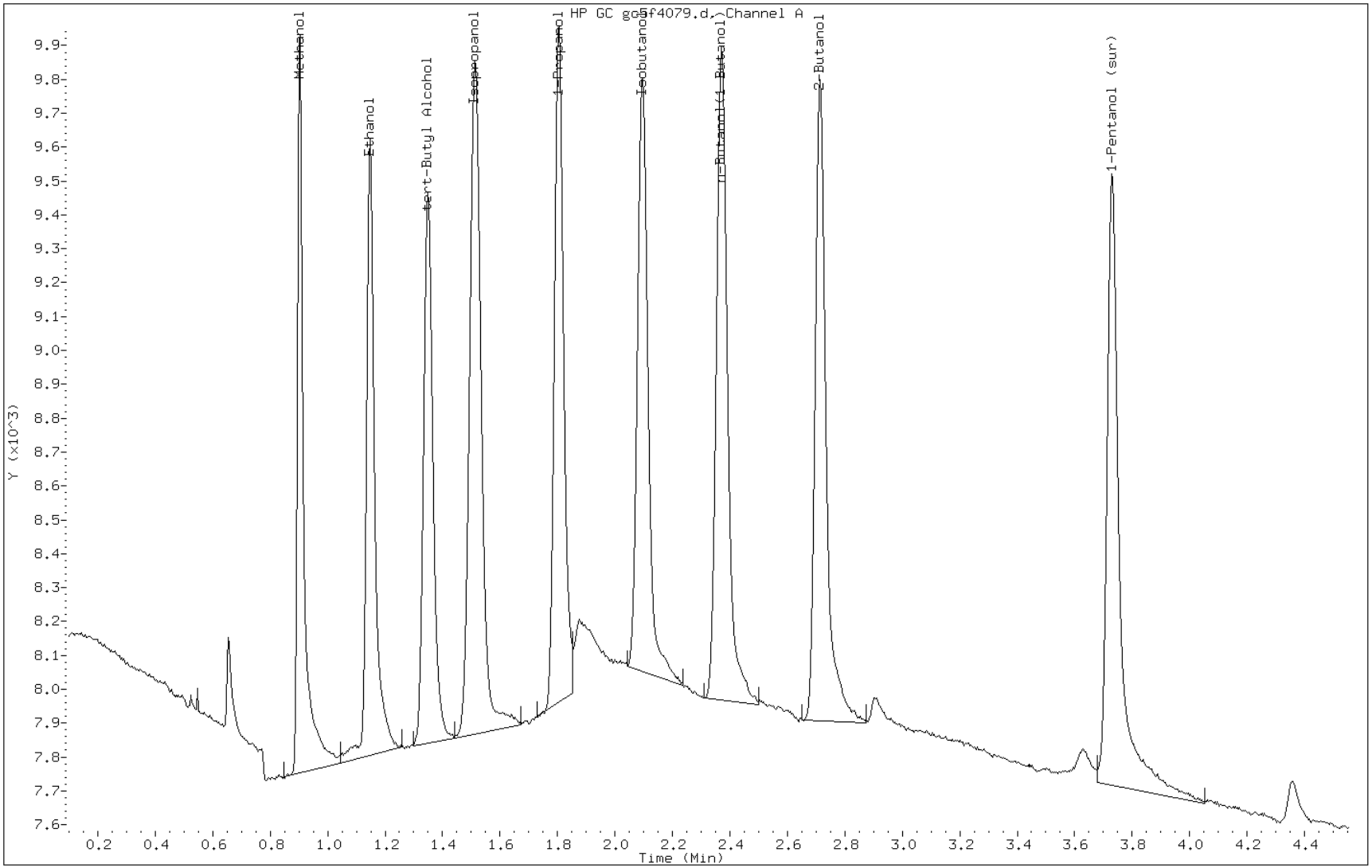
M - Compound response manually integrated.

Data File: gc5f4079.d

Date: 17-SEP-2009 15:57

Client ID: Instrument: BNAGC5.i

Sample Info: LCSD Operator: 615



# Manual Integration Report

Data File: gc5f4079.d
Inj. Date and Time: 17-SEP-2009 15:57
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 0.88

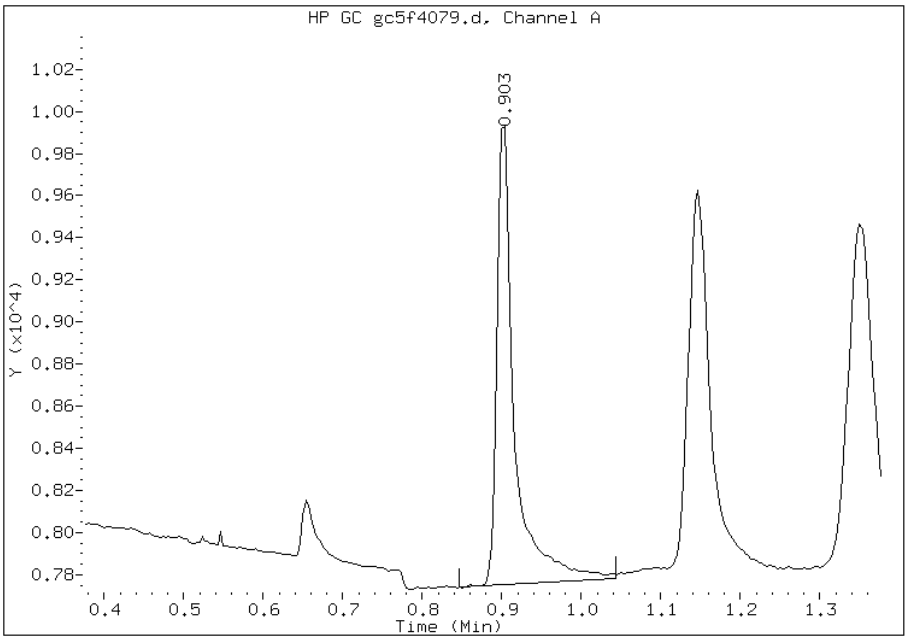
## Manual Integration Results

RT: 0.90

Response: 16765

Amount: 4736.33

Conc: 4736.33




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4079.d
Inj. Date and Time: 17-SEP-2009 15:57
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 3.72

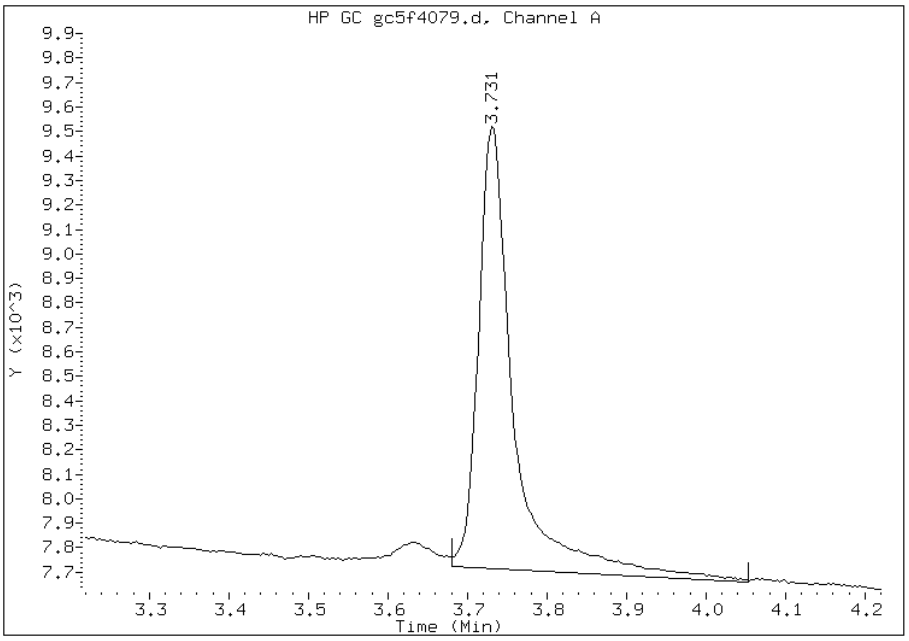
## Manual Integration Results

RT: 3.73

Response: 27714

Amount: 5138.14

Conc: 5138.14




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-8SR MS | Lab Sample ID: 460-5774-2 MS

Matrix: Water | Lab File ID: gc5f4080.d

Analysis Method: 8015B | Date Collected: 09/16/2009 12:40

Sample wt/vol: 1(uL) | Date Analyzed: 09/17/2009 16:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17320 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 3990 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 96 | 52-122 | |

Data File: gc5f4080.d
Report Date: 18-Sep-2009 08:06

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4080.d
Lab Smp Id: 460-5774-E-2 MS  Client Smp ID: MW-8SR
Inj Date  : 17-SEP-2009 16:04
Operator  : 615  Inst ID: BNAGC5.i
Smp Info  : 460-5774-E-2 MS
Misc Info : 460-5774-E-2 MS
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:06 patelhe  Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51  Cal File: gc5f4051.d
Als bottle: 1  QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie  Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable  Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.899 | 0.923 | -0.024 | 14119 | 3988.80 | 3990 |
| 5 Ethanol | 1.142 | 1.170 | -0.028 | 19310 | 4991.78 | 4990(M) |
| 4 tert-Butyl Alcohol | 1.346 | 1.377 | -0.031 | 19557 | 4851.73 | 4850(M) |
| 6 Isopropanol | 1.509 | 1.542 | -0.033 | 27652 | 4585.57 | 4580(M) |
| 7 1-Propanol | 1.800 | 1.837 | -0.037 | 22196 | 4571.13 | 4570(M) |
| 9 Isobutanol | 2.090 | 2.127 | -0.037 | 21568 | 4372.30 | 4370 |
| 10 n-Butanol(1-Butanol) | 2.365 | 2.404 | -0.039 | 25058 | 4415.25 | 4420(M) |
| 8 2-Butanol | 2.707 | 2.747 | -0.040 | 22911 | 4197.71 | 4200(M) |
| $ 11 1-Pentanol (sur) | 3.724 | 3.766 | -0.042 | 25976 | 4815.92 | 4820(M) |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4080.d

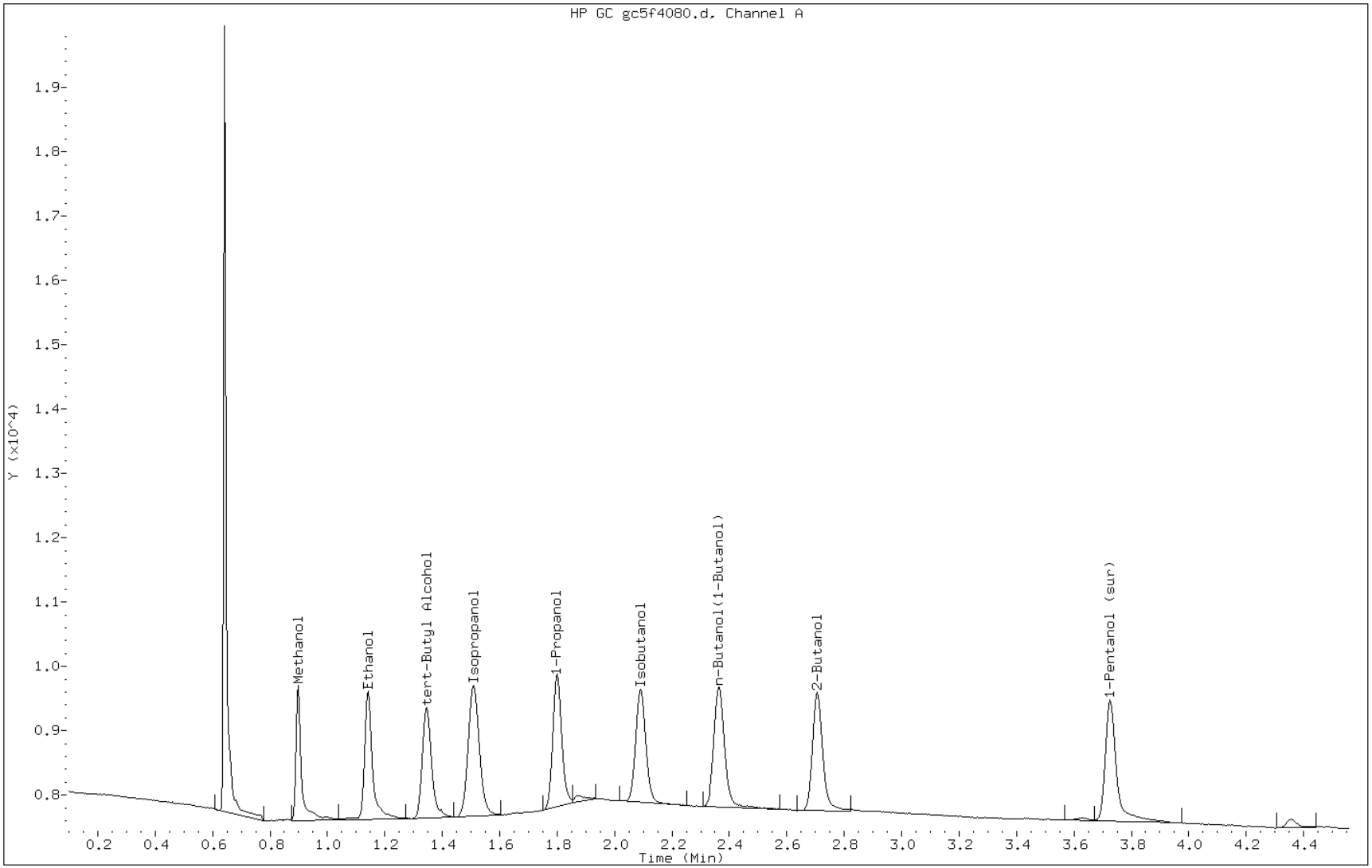
Date: 17-SEP-2009 16:04

Client ID: MW-8SR

Instrument: BNAGC5.i

Sample Info: 460-5774-E-2 MS

Operator: 615



# Manual Integration Report

Data File: gc5f4080.d
Inj. Date and Time: 17-SEP-2009 16:04
Instrument ID: BNAGC5.i
Client ID: MW-8SR
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 3.72

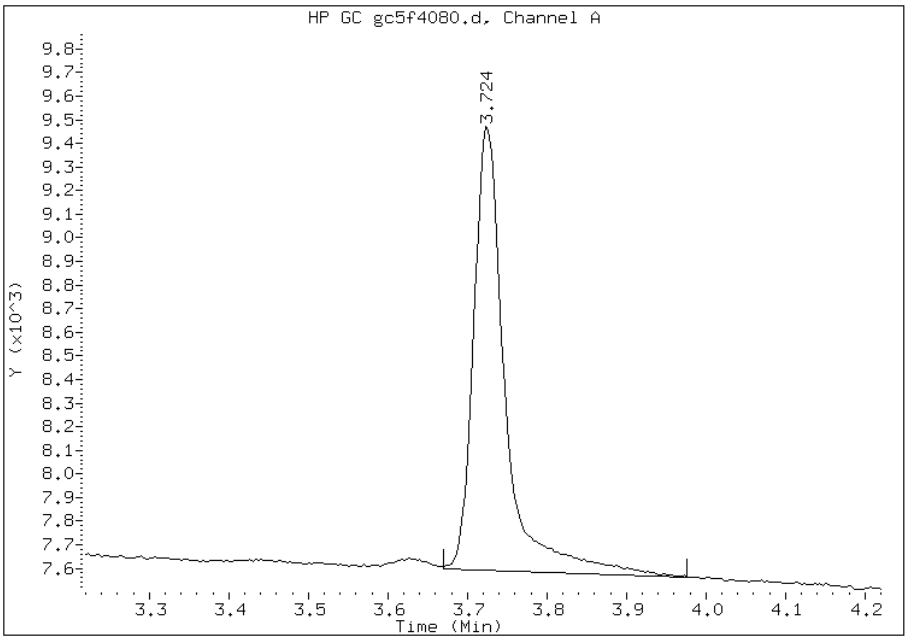
## Manual Integration Results

RT: 3.72

Response: 25976

Amount: 4815.92

Conc: 4815.92




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5774-1

SDG No.:

Client Sample ID: MW-8SR MSD | Lab Sample ID: 460-5774-2 MSD

Matrix: Water | Lab File ID: gc5f4081.d

Analysis Method: 8015B | Date Collected: 09/16/2009 12:40

Sample wt/vol: 1(uL) | Date Analyzed: 09/17/2009 16:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17320 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 3990 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 104 | 52-122 | |

Data File: gc5f4081.d
Report Date: 18-Sep-2009 08:06

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/gc5f4081.d
Lab Smp Id: 460-5774-E-2 MSD  Client Smp ID: MW-8SR
Inj Date  : 17-SEP-2009 16:10
Operator  : 615  Inst ID: BNAGC5.i
Smp Info  : 460-5774-E-2 MSD
Misc Info : 460-5774-E-2 MS
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b/alcohols2008.m
Meth Date : 18-Sep-2009 08:06 patelhe  Quant Type: ESTD
Cal Date  : 16-SEP-2009 15:51  Cal File: gc5f4051.d
Als bottle: 1  QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie  Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable  Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.901 | 0.923 | -0.022 | 14130 | 3991.91 | 3990 |
| 5 Ethanol | 1.144 | 1.170 | -0.026 | 19113 | 4940.85 | 4940(M) |
| 4 tert-Butyl Alcohol | 1.348 | 1.377 | -0.029 | 20071 | 4979.25 | 4980(M) |
| 6 Isopropanol | 1.511 | 1.542 | -0.031 | 28689 | 4757.53 | 4760 |
| 7 1-Propanol | 1.803 | 1.837 | -0.034 | 23039 | 4744.74 | 4740(M) |
| 9 Isobutanol | 2.093 | 2.127 | -0.034 | 22145 | 4489.27 | 4490 |
| 10 n-Butanol(1-Butanol) | 2.368 | 2.404 | -0.036 | 25687 | 4526.09 | 4530(M) |
| 8 2-Butanol | 2.711 | 2.747 | -0.036 | 22903 | 4196.25 | 4200(M) |
| $ 11 1-Pentanol (sur) | 3.729 | 3.766 | -0.037 | 28155 | 5219.91 | 5220(M) |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4081.d

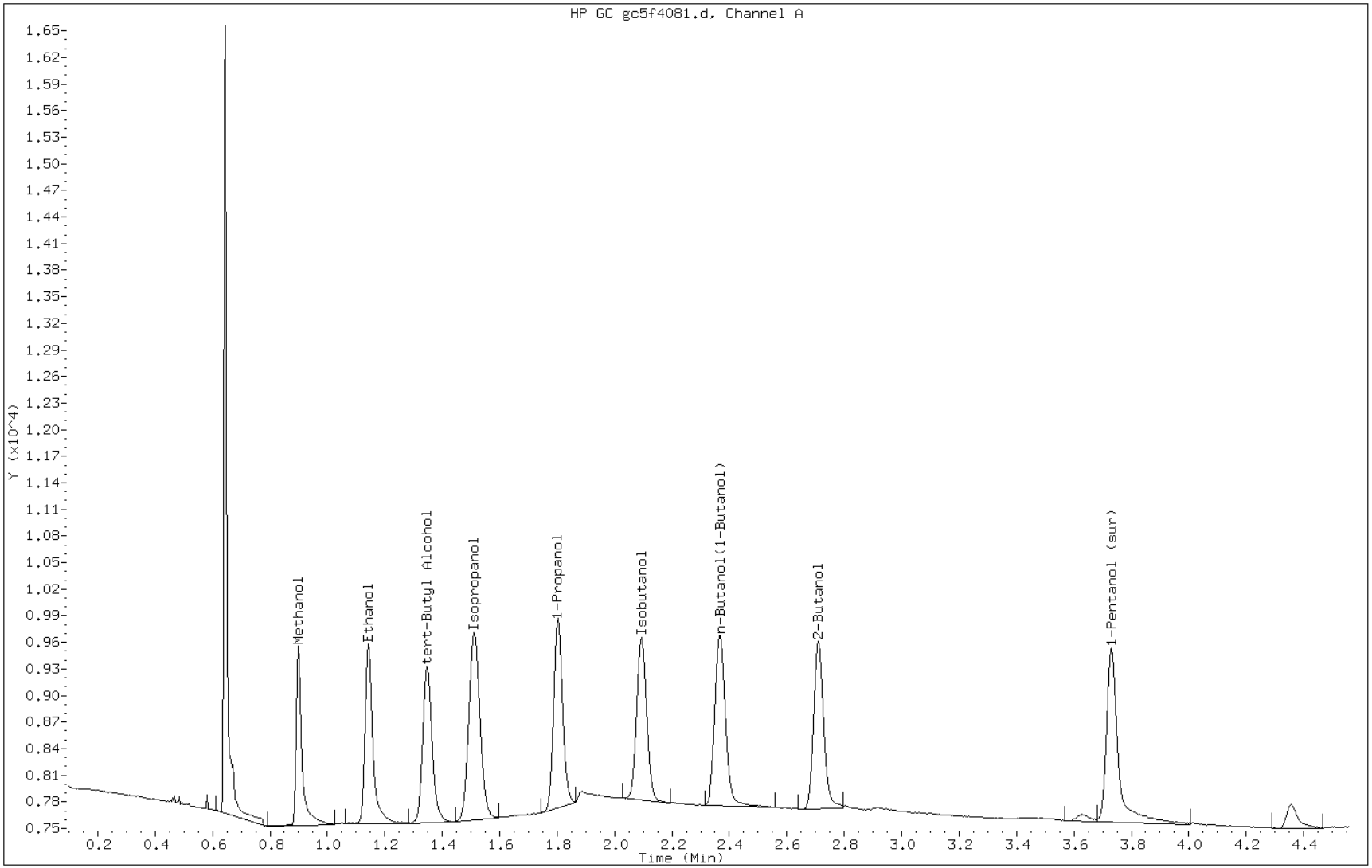
Date: 17-SEP-2009 16:10

Client ID: MW-8SR

Instrument: BNAGC5.i

Sample Info: 460-5774-E-2 MSD

Operator: 615



# Manual Integration Report

Data File: gc5f4081.d
Inj. Date and Time: 17-SEP-2009 16:10
Instrument ID: BNAGC5.i
Client ID: MW-8SR
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/18/2009

## Processing Integration Results

Not Detected

Expected RT: 3.72

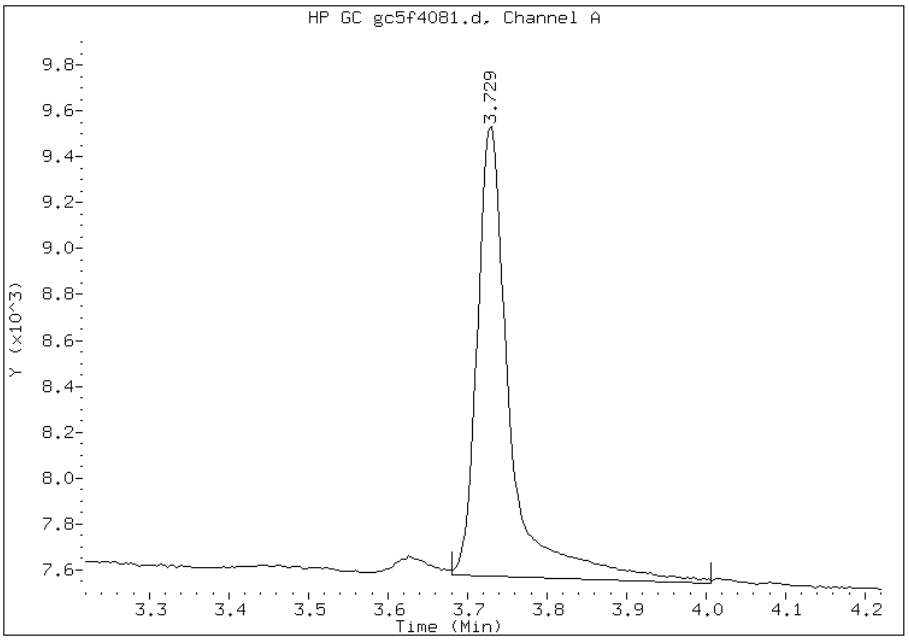
## Manual Integration Results

RT: 3.73

Response: 28155

Amount: 5219.91

Conc: 5219.91




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b

Date Generated: 09/17/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 0741 | gc5f4052 | 1 | RINSE-DI | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 0747 | gc5f4053 | 1 | RINSE-DI | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 0753 | gc5f4054 | 1 | CCVRT-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0759 | gc5f4055 | 1 | LCS | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0805 | gc5f4056 | 1 | LCSD | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0812 | gc5f4057 | 1 | 460-5722-A-3 MS | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0818 | gc5f4058 | 1 | 460-5722-A-3 MSD | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0824 | gc5f4059 | 1 | RINSE-DI | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 0830 | gc5f4060 | 1 | 460-5722-A-1 | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0837 | gc5f4061 | 1 | 460-5722-B-2 | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0843 | gc5f4062 | 1 | 460-5722-A-3 | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0849 | gc5f4063 | 1 | 460-5722-A-4 | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0855 | gc5f4064 | 1 | 460-5722-C-5 | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0901 | gc5f4065 | 1 | RINSE-DI | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | — |

9/17/09

9/17/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09a.b

Date Generated: 09/17/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 0908 | gc5f4066 | 1 | MB | 17sep09a | | 1 | 0 | 1 | 1 | C1-C4 | | ND ok |
| 09/17/09 0914 | gc5f4067 | 1 | CCV-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | ok |

Signed: _____ Read and Understood by: _____

Date: 9/17/09 Date: 09/17/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09b.b

Date Generated: 09/17/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 0914 | gc5f4067 | 1 | CCVRT-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0920 | gc5f4068 | 1 | RINSE-DI | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 0926 | gc5f4069 | 1 | 460-5722-A-6 | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0933 | gc5f4070 | 1 | 460-5722-C-7 | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0939 | gc5f4071 | 1 | 460-5722-C-8 | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0945 | gc5f4072 | 1 | 460-5722-A-9 | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 0951 | gc5f4073 | 1 | MB | 17sep09b | | 1 | 0 | 1 | 1 | C1-C4 | | N/A |
| 09/17/09 0958 | gc5f4074 | 1 | CCV-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |

Signed: _____ Read and Understood by: _____

Date: 9/17/09 Date: 09/17/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b

Date Generated: 09/18/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 1531 | gc5f4075 | 1 | RINSE-DI | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1539 | gc5f4076 | 1 | RINSE-DI | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1545 | gc5f4077 | 1 | CCVRT-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1551 | gc5f4078 | 1 | LCS | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1557 | gc5f4079 | 1 | LCSD | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1604 | gc5f4080 | 1 | 460-5774-E-2 MS | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1610 | gc5f4081 | 1 | 460-5774-E-2 MSD | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1616 | gc5f4082 | 1 | RINSE-DI | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1622 | gc5f4083 | 1 | 460-5774-F-1 | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1628 | gc5f4084 | 1 | 460-5774-E-2 | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1635 | gc5f4085 | 1 | 460-5774-D-3 | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1641 | gc5f4086 | 1 | 460-5774-E-4 | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1647 | gc5f4087 | 1 | 460-5774-D-5 | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/17/09 1653 | gc5f4088 | 1 | RINSE-DI | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | — |

9/18/09

9/18/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09c.b

Date Generated: 09/18/2009

Page 2

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 1659 | gc5f4089 | 1 | RINSE-DI | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1706 | gc5f4090 | 1 | MB | 17sep09c | | 1 | 0 | 1 | 1 | C1-C4 | | NO OK |
| 09/17/09 1712 | gc5f4091 | 1 | CCV-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |

Signed: _____ Read and Understood by: _____

Date: 9/18/09 Date: 9/18/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-17-09/17sep09d.b

Date Generated: 09/18/2009

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| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17/09 1712 | gc5f4091 | 1 | CCVRT-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1718 | gc5f4092 | 1 | N/A-LCS | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1724 | gc5f4093 | 1 | RINSE-DI | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1730 | gc5f4094 | 1 | 460-5774-E-6 | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1737 | gc5f4095 | 1 | 460-5774-F-7 | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1743 | gc5f4096 | 1 | 460-5774-E-8 | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1749 | gc5f4097 | 1 | 460-5774-D-9 | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | ok |
| 09/17/09 1755 | gc5f4098 | 1 | RINSE-DI | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1801 | gc5f4099 | 1 | RINSE-DI | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/17/09 1807 | gc5f4100 | 1 | N/A-MB | 17sep09d | | 1 | 0 | 1 | 1 | C1-C4 | | N/D ok |
| 09/17/09 1814 | gc5f4101 | 1 | CCV-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | ok |

Signed: _____ Read and Understood by: _____

Date: 9/18/09 Date: 9/18/09

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

| | | | |
|---|---|---|---|
| Client: ARCADIS | Project Manager: DAWN PENNIMAN | Date: 9/16/09 | Chain of Custody Number: 395560 |
| Address: 6723 TOWPATH RD | Telephone Number (Area Code)/Fax Number: 315-446-9120 | Lab Number: | Page 1 of 1 |
| City: SYRACUSE | State: NY | Zip Code: 13214 | Site Contact: Nathan Smith |
| Project Name and Location (State): McMessen - Bear St. SYRACUSE, N.Y. | Carrier/Waybill Number: | | |
| Contract/Purchase Order/Quote No.: B0026003.0000.00010 | | | |

Lab Contact:

Analysis (Attach list if more space is needed): 8260B VOC; 8015B Alcohol; 8270C SVOC

460035506

Special Instructions/ Conditions of Receipt: 5774

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed. | Soil | Containers & Preservatives: Unpres | H2SO4 | HNO3 | HCl | NaOH | ZnAc/ NaOH | 8260B VOC | 8015B Alcohol | 8270C SVOC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-27 | 9/16/09 | 1445 | | X | | | 5 | | | 3 | | | X | X | X | 1 | |
| MW-8SR | | 1240 | | | | | 15 | | | 9 | | | | | | 2 | MS/MSD |
| MW-29 | | 1155 | | | | | 5 | | | 3 | | | | | | 3 | |
| MW-3S | | 1110 | | | | | 5 | | | 3 | | | | | | 4 | |
| MW-30 | | 1410 | | | | | 5 | | | 3 | | | | | | 5 | |
| MW-1 | | 0945 | | | | | | | | | | | | | | 6 | |
| MW-33 | | 0940 | | | | | | | | | | | | | | 7 | |
| MW-28 | | 1558 | | | | | | | | | | | | | | 8 | |
| DUP-091609 | | — | | | | | | | | | | | | | | 9 | |
| TRIP BLANK 091609 | | — | | | | | | | | 3 | | | | | | 10 | |

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other STANDARD

QC Requirements (Specify):

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| 1. Relinquished By: Nath P. Smith | 9/16/09 | 1718 | 1. Received By: | 9/16/09 | 1718 |
| 2. Relinquished By: | 9/16/09 | 1830 | 2. Received By: FedEx | | |
| 3. Relinquished By: FedEx | 9/17/09 | 10,15 | 3. Received By: | | |

Comments: 3 coolers / 3 Temp Blanks — 5,3,3° C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# Login Sample Receipt Check List

Client: ARCADIS

Job Number: 460-5774-1

**Login Number: 5774**

**List Source: TestAmerica Edison**

**Creator: Meyers, Gary**

**List Number: 1**

| Question | T / F/ NA | Comment |
|---|---|---|
| Radioactivity either was not measured or, if measured, is at or below background | N/A | |
| The cooler's custody seal, if present, is intact. | True | 596120 |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 5°, 3°, 3°C |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Is the Field Sampler's name present on COC? | True | |
| Sample Preservation Verified | True | |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 460-5829-1

Job Description: McKesson Former Bear Street Facility

For:
ARCADIS
6723 Towpath Road
PO BOX 66
Syracuse, NY 13214

Attention: Ms. Dawn Penniman

Approved for release.
Janae S McCloud
Project Manager II
10/5/2009 12:43 PM

Janae S McCloud
Project Manager II
janae.mccloud@testamericainc.com
10/05/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

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## CASE NARRATIVE

## Client: ARCADIS

## Project: McKesson Former Bear Street Facility

## Report Number: 460-5829-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

**RECEIPT**

The samples were received on 09/18/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.0 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

**ORGANICS BY DIRECT AQUEOUS INJECTION**

Samples 460-5829-1 through 460-5829-8 were analyzed for organics by direct aqueous injection in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 09/21/2009.

No difficulties were encountered during the organics by direct aqueous injection analyses.

All quality control parameters were within the acceptance limits.

**VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples 460-5829-1 through 460-5829-9 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/22/2009 and 09/23/2009.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

**SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples 460-5829-1 through 460-5829-8 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/22/2009 and 09/23/2009 and analyzed on 09/22/2009, 09/23/2009, 09/25/2009 and 09/29/2009.

No difficulties were encountered during the semivolatiles analyses.

All quality control parameters were within the acceptance limits.

## SAMPLE SUMMARY

Client: ARCADIS

Job Number: 460-5829-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|---|---|---|---|---|
| 460-5829-1 | MW-17R | Water | 09/17/2009 1535 | 09/18/2009 1015 |
| 460-5829-2 | MW-25S | Water | 09/17/2009 0950 | 09/18/2009 1015 |
| 460-5829-3 | MW-23I | Water | 09/17/2009 1130 | 09/18/2009 1015 |
| 460-5829-4 | MW-23S | Water | 09/17/2009 1225 | 09/18/2009 1015 |
| 460-5829-5 | MW-18 | Water | 09/17/2009 1430 | 09/18/2009 1015 |
| 460-5829-6 | PZ-5S | Water | 09/17/2009 1110 | 09/18/2009 1015 |
| 460-5829-7 | PZ-5D | Water | 09/17/2009 0950 | 09/18/2009 1015 |
| 460-5829-8 | MW-19 | Water | 09/17/2009 1320 | 09/18/2009 1015 |
| 460-5829-9TB | Trip Blank | Water | 09/17/2009 0000 | 09/18/2009 1015 |

## EXECUTIVE SUMMARY - Detections

Client: ARCADIS Job Number: 460-5829-1

| Lab Sample ID / Analyte | Client Sample ID | Result / Qualifier | | Reporting Limit | Units | Method |
|---|---|---|---|---|---|---|
| **460-5829-1** | **MW-17R** | | | | | |
| Benzene | | 0.86 | J | 1.0 | ug/L | 8260B |

# METHOD SUMMARY

Client: ARCADIS Job Number: 460-5829-1

| Description | Lab Location | Method | Preparation Method |
|---|---|---|---|
| **Matrix: Water** | | | |
| Volatile Organic Compounds (GC/MS) | TAL EDI | SW846 8260B | |
| Purge and Trap | TAL EDI | | SW846 5030B |
| Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) | TAL EDI | SW846 8270C | |
| Liquid-Liquid Extraction (Separatory Funnel) | TAL EDI | | SW846 3510C |
| Nonhalogenated Organic Compounds - Direct Injection (GC) | TAL EDI | SW846 8015B | |

**Lab References:**

TAL EDI = TestAmerica Edison

**Method References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: ARCADIS

Job Number: 460-5829-1

| Method | Analyst | Analyst ID |
|---|---|---|
| SW846 8260B | Martinez, Eddie | EM |
| SW846 8270C | Asfaw, Abebaye A. | AAA |
| SW846 8270C | Crocco, Michael | MC |
| SW846 8270C | Zhao, Chunxin | CZ |
| SW846 8015B | Patel, Hemex | HP |

Client: ARCADIS Job Number: 460-5829-1

**Client Sample ID:** **MW-17R**

Lab Sample ID: 460-5829-1 Date Sampled: 09/17/2009 1535
Client Matrix: Water Date Received: 09/18/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17651 | | Instrument ID: | VOAMS4 |
| Preparation: | 5030B | | | Lab File ID: | d12794.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 09/22/2009 2151 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 09/22/2009 2151 | | | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 0.86 | J | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 70 - 122 |
| Bromofluorobenzene | 91 | | 69 - 135 |
| Toluene-d8 (Surr) | 98 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-25S**

Lab Sample ID: 460-5829-2
Client Matrix: Water

Date Sampled: 09/17/2009 0950
Date Received: 09/18/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17651 | Instrument ID: VOAMS4 |
| Preparation: | 5030B | | Lab File ID: d12796.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 2240 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 2240 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 70 - 122 |
| Bromofluorobenzene | 95 | | 69 - 135 |
| Toluene-d8 (Surr) | 100 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-23I**

Lab Sample ID: 460-5829-3
Client Matrix: Water

Date Sampled: 09/17/2009 1130
Date Received: 09/18/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17651 | Instrument ID: VOAMS4 |
| Preparation: | 5030B | | Lab File ID: d12798.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 2328 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 2328 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 111 | | 70 - 122 |
| Bromofluorobenzene | 96 | | 69 - 135 |
| Toluene-d8 (Surr) | 106 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-23S**

Lab Sample ID: 460-5829-4
Client Matrix: Water

Date Sampled: 09/17/2009 1225
Date Received: 09/18/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17651 | Instrument ID: VOAMS4 |
| Preparation: | 5030B | | Lab File ID: d12788.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 1925 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 1925 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 70 - 122 |
| Bromofluorobenzene | 99 | | 69 - 135 |
| Toluene-d8 (Surr) | 103 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-18**

Lab Sample ID: 460-5829-5
Client Matrix: Water

Date Sampled: 09/17/2009 1430
Date Received: 09/18/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17651 | Instrument ID: VOAMS4 |
| Preparation: | 5030B | | Lab File ID: d12800.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 0017 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 0017 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 70 - 122 |
| Bromofluorobenzene | 94 | | 69 - 135 |
| Toluene-d8 (Surr) | 99 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **PZ-5S**

Lab Sample ID: 460-5829-6
Client Matrix: Water

Date Sampled: 09/17/2009 1110
Date Received: 09/18/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17651 | Instrument ID: VOAMS4 |
| Preparation: | 5030B | | Lab File ID: d12802.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 0105 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 0105 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 70 - 122 |
| Bromofluorobenzene | 96 | | 69 - 135 |
| Toluene-d8 (Surr) | 103 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **PZ-5D**

Lab Sample ID: 460-5829-7
Client Matrix: Water

Date Sampled: 09/17/2009 0950
Date Received: 09/18/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17651 | Instrument ID: VOAMS4 |
| Preparation: | 5030B | | Lab File ID: d12804.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 0154 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 0154 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 70 - 122 |
| Bromofluorobenzene | 95 | | 69 - 135 |
| Toluene-d8 (Surr) | 100 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-19**

Lab Sample ID: 460-5829-8
Client Matrix: Water

Date Sampled: 09/17/2009 1320
Date Received: 09/18/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17651 | Instrument ID: VOAMS4 |
| Preparation: | 5030B | | Lab File ID: d12806.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/23/2009 0242 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/23/2009 0242 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 70 - 122 |
| Bromofluorobenzene | 93 | | 69 - 135 |
| Toluene-d8 (Surr) | 100 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **Trip Blank**

Lab Sample ID: 460-5829-9TB
Client Matrix: Water

Date Sampled: 09/17/2009 0000
Date Received: 09/18/2009 1015

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17651 | Instrument ID: VOAMS4 |
| Preparation: | 5030B | | Lab File ID: d12793.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/22/2009 2127 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/22/2009 2127 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 70 - 122 |
| Bromofluorobenzene | 101 | | 69 - 135 |
| Toluene-d8 (Surr) | 113 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-17R**

Lab Sample ID: 460-5829-1
Client Matrix: Water

Date Sampled: 09/17/2009 1535
Date Received: 09/18/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17774 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17565 | | Lab File ID: | z4095.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/22/2009 2129 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/22/2009 0722 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 97 | | 64 - 119 |
| Nitrobenzene-d5 | 107 | | 69 - 120 |
| Terphenyl-d14 | 102 | | 38 - 141 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-25S**

Lab Sample ID: 460-5829-2
Client Matrix: Water

Date Sampled: 09/17/2009 0950
Date Received: 09/18/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17774 | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17565 | Lab File ID: | z4096.d |
| Dilution: | 1.0 | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/22/2009 2154 | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/22/2009 0722 | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 89 | | 64 - 119 |
| Nitrobenzene-d5 | 98 | | 69 - 120 |
| Terphenyl-d14 | 92 | | 38 - 141 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-23I**

Lab Sample ID: 460-5829-3
Client Matrix: Water

Date Sampled: 09/17/2009 1130
Date Received: 09/18/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17780 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17565 | | Lab File ID: | z4140.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/23/2009 1711 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/22/2009 0722 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 91 | | 64 - 119 |
| Nitrobenzene-d5 | 107 | | 69 - 120 |
| Terphenyl-d14 | 103 | | 38 - 141 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-23S**

Lab Sample ID: 460-5829-4
Client Matrix: Water

Date Sampled: 09/17/2009 1225
Date Received: 09/18/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-18193 | Instrument ID: | BNAMS5 |
| Preparation: | 3510C | Prep Batch: 460-17692 | Lab File ID: | x2628.d |
| Dilution: | 1.0 | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/25/2009 0830 | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/23/2009 0903 | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 89 | | 64 - 119 |
| Nitrobenzene-d5 | 90 | | 69 - 120 |
| Terphenyl-d14 | 92 | | 38 - 141 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-18**

Lab Sample ID: 460-5829-5
Client Matrix: Water

Date Sampled: 09/17/2009 1430
Date Received: 09/18/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17774 | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17565 | Lab File ID: | z4099.d |
| Dilution: | 1.0 | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/22/2009 2308 | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/22/2009 0722 | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 78 | | 64 - 119 |
| Nitrobenzene-d5 | 97 | | 69 - 120 |
| Terphenyl-d14 | 91 | | 38 - 141 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **PZ-5S**

Lab Sample ID: 460-5829-6
Client Matrix: Water

Date Sampled: 09/17/2009 1110
Date Received: 09/18/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17774 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17565 | | Lab File ID: | z4100.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/22/2009 2332 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/22/2009 0722 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 83 | | 64 - 119 |
| Nitrobenzene-d5 | 91 | | 69 - 120 |
| Terphenyl-d14 | 92 | | 38 - 141 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **PZ-5D**

Lab Sample ID: 460-5829-7
Client Matrix: Water

Date Sampled: 09/17/2009 0950
Date Received: 09/18/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17774 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17565 | | Lab File ID: | z4101.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/22/2009 2357 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/22/2009 0722 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 94 | | 64 - 119 |
| Nitrobenzene-d5 | 103 | | 69 - 120 |
| Terphenyl-d14 | 94 | | 38 - 141 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-19**

Lab Sample ID: 460-5829-8
Client Matrix: Water

Date Sampled: 09/17/2009 1320
Date Received: 09/18/2009 1015

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-18382 | | Instrument ID: | BNAMS5 |
| Preparation: | 3510C | Prep Batch: 460-17692 | | Lab File ID: | x2720.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/29/2009 2112 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/23/2009 0912 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 72 | | 64 - 119 |
| Nitrobenzene-d5 | 78 | | 69 - 120 |
| Terphenyl-d14 | 74 | | 38 - 141 |

Client: ARCADIS Job Number: 460-5829-1

**Client Sample ID:** **MW-17R**

Lab Sample ID: 460-5829-1 Date Sampled: 09/17/2009 1535
Client Matrix: Water Date Received: 09/18/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17479 | Instrument ID: | BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: | 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: | 10 mL |
| Date Analyzed: | 09/21/2009 0945 | | Injection Volume: | 1 uL |
| Date Prepared: | | | Result Type: | PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 94 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-25S**

Lab Sample ID: 460-5829-2
Client Matrix: Water

Date Sampled: 09/17/2009 0950
Date Received: 09/18/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17479 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/21/2009 0951 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 110 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-23I**

Lab Sample ID: 460-5829-3
Client Matrix: Water

Date Sampled: 09/17/2009 1130
Date Received: 09/18/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17479 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/21/2009 0958 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 109 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-23S**

Lab Sample ID: 460-5829-4
Client Matrix: Water

Date Sampled: 09/17/2009 1225
Date Received: 09/18/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17479 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/21/2009 1004 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 114 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-18**

Lab Sample ID: 460-5829-5
Client Matrix: Water

Date Sampled: 09/17/2009 1430
Date Received: 09/18/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17479 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/21/2009 1010 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 113 | | 52 - 122 |

Client: ARCADIS Job Number: 460-5829-1

**Client Sample ID:** **PZ-5S**

Lab Sample ID: 460-5829-6 Date Sampled: 09/17/2009 1110
Client Matrix: Water Date Received: 09/18/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17479 | Instrument ID: | BNAGC5 | |
| Preparation: | N/A | | Initial Weight/Volume: | 1 uL | |
| Dilution: | 1.0 | | Final Weight/Volume: | 10 mL | |
| Date Analyzed: | 09/21/2009 1016 | | Injection Volume: | 1 uL | |
| Date Prepared: | | | Result Type: | PRIMARY | |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 113 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **PZ-5D**

Lab Sample ID: 460-5829-7
Client Matrix: Water

Date Sampled: 09/17/2009 0950
Date Received: 09/18/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17484 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/21/2009 1059 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 105 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5829-1

**Client Sample ID:** **MW-19**

Lab Sample ID: 460-5829-8
Client Matrix: Water

Date Sampled: 09/17/2009 1320
Date Received: 09/18/2009 1015

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17484 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/21/2009 1105 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 113 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5829-1

## Surrogate Recovery Report

**8260B Volatile Organic Compounds (GC/MS)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | DCA %Rec | TOL %Rec | BFB %Rec |
|---|---|---|---|---|
| 460-5829-1 | MW-17R | 95 | 98 | 91 |
| 460-5829-2 | MW-25S | 103 | 100 | 95 |
| 460-5829-3 | MW-23I | 111 | 106 | 96 |
| 460-5829-4 | MW-23S | 104 | 103 | 99 |
| 460-5829-5 | MW-18 | 105 | 99 | 94 |
| 460-5829-6 | PZ-5S | 103 | 103 | 96 |
| 460-5829-7 | PZ-5D | 106 | 100 | 95 |
| 460-5829-8 | MW-19 | 106 | 100 | 93 |
| 460-5829-9 | Trip Blank | 106 | 113 | 101 |
| MB 460-17651/4 | | 101 | 105 | 97 |
| LCS 460-17651/3 | | 99 | 101 | 100 |
| 460-5829-4 MS | MW-23S MS | 99 | 106 | 103 |
| 460-5829-4 MSD | MW-23S MSD | 98 | 102 | 101 |

| Surrogate | Acceptance Limits |
|---|---|
| DCA = 1,2-Dichloroethane-d4 (Surr) | 70-122 |
| TOL = Toluene-d8 (Surr) | 69-125 |
| BFB = Bromofluorobenzene | 69-135 |

Client: ARCADIS

Job Number: 460-5829-1

## Surrogate Recovery Report

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | NBZ %Rec | FBP %Rec | TPH %Rec |
|---|---|---|---|---|
| 460-5829-1 | MW-17R | 107 | 97 | 102 |
| 460-5829-2 | MW-25S | 98 | 89 | 92 |
| 460-5829-3 | MW-23I | 107 | 91 | 103 |
| 460-5829-4 | MW-23S | 90 | 89 | 92 |
| 460-5829-5 | MW-18 | 97 | 78 | 91 |
| 460-5829-6 | PZ-5S | 91 | 83 | 92 |
| 460-5829-7 | PZ-5D | 103 | 94 | 94 |
| 460-5829-8 | MW-19 | 78 | 72 | 74 |
| MB 460-17565/1-A | | 97 | 88 | 94 |
| MB 460-17692/1-A | | 89 | 84 | 78 |
| LCS 460-17565/2-A | | 99 | 93 | 89 |
| LCS 460-17692/2-A | | 84 | 82 | 79 |
| LCSD 460-17565/3-A | | 94 | 90 | 83 |
| LCSD 460-17692/3-A | | 87 | 85 | 81 |

| Surrogate | Acceptance Limits |
|---|---|
| NBZ = Nitrobenzene-d5 | 69-120 |
| FBP = 2-Fluorobiphenyl | 64-119 |
| TPH = Terphenyl-d14 | 38-141 |

Client: ARCADIS

Job Number: 460-5829-1

## Surrogate Recovery Report

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | 1Pent1 %Rec |
|---|---|---|
| 460-5829-1 | MW-17R | 94 |
| 460-5829-2 | MW-25S | 110 |
| 460-5829-3 | MW-23I | 109 |
| 460-5829-4 | MW-23S | 114 |
| 460-5829-5 | MW-18 | 113 |
| 460-5829-6 | PZ-5S | 113 |
| 460-5829-7 | PZ-5D | 105 |
| 460-5829-8 | MW-19 | 113 |
| MB 460-17479/6 | | 104 |
| LCS 460-17479/3 | | 95 |
| LCSD 460-17479/4 | | 94 |

| Surrogate | Acceptance Limits |
|---|---|
| 1Pent = 1-Pentanol | 52-122 |

Client: ARCADIS

Job Number: 460-5829-1

**Method Blank - Batch: 460-17651**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: MB 460-17651/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 1901
Date Prepared: 09/22/2009 1901

Analysis Batch: 460-17651
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS4
Lab File ID: d12787.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 101 | 70 - 122 |
| Bromofluorobenzene | 97 | 69 - 135 |
| Toluene-d8 (Surr) | 105 | 69 - 125 |

**Lab Control Sample - Batch: 460-17651**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: LCS 460-17651/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 1812
Date Prepared: 09/22/2009 1812

Analysis Batch: 460-17651
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS4
Lab File ID: d12785.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 20.0 | 100 | 79 - 119 | |
| Acetone | 20.0 | 25.2 | 126 | 45 - 156 | |
| Trichloroethene | 20.0 | 18.5 | 92 | 78 - 119 | |
| Benzene | 20.0 | 20.0 | 100 | 83 - 124 | |
| Toluene | 20.0 | 18.4 | 92 | 80 - 120 | |
| Ethylbenzene | 20.0 | 18.8 | 94 | 79 - 126 | |
| Xylenes, Total | 60.0 | 49.6 | 83 | 76 - 121 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 99 | 70 - 122 |
| Bromofluorobenzene | 100 | 69 - 135 |
| Toluene-d8 (Surr) | 101 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5829-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17651**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5829-4 | Analysis Batch: | 460-17651 | Instrument ID: | VOAMS4 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | d12790.d |
| Dilution: | 5.0 | | | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 09/22/2009 2014 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 09/22/2009 2014 | | | | |

| | | | | | |
|---|---|---|---|---|---|
| MSD Lab Sample ID: | 460-5829-4 | Analysis Batch: | 460-17651 | Instrument ID: | VOAMS4 |
| Client Matrix: | Water | Prep Batch: | N/A | Lab File ID: | d12791.d |
| Dilution: | 5.0 | | | Initial Weight/Volume: | 5 mL |
| Date Analyzed: | 09/22/2009 2038 | | | Final Weight/Volume: | 5 mL |
| Date Prepared: | 09/22/2009 2038 | | | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methylene Chloride | 90 | 107 | 79 - 119 | 17 | 30 | | |
| Acetone | 125 | 150 | 45 - 156 | 18 | 30 | | |
| Trichloroethene | 86 | 106 | 78 - 119 | 22 | 30 | | |
| Benzene | 97 | 112 | 83 - 124 | 14 | 30 | | |
| Toluene | 89 | 105 | 80 - 120 | 16 | 30 | | |
| Ethylbenzene | 86 | 108 | 79 - 126 | 23 | 30 | | |
| Xylenes, Total | 80 | 97 | 76 - 121 | 19 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 99 | 98 | 70 - 122 |
| Bromofluorobenzene | 103 | 101 | 69 - 135 |
| Toluene-d8 (Surr) | 106 | 102 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5829-1

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17651**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5829-4 | Units: ug/L | MSD Lab Sample ID: | 460-5829-4 | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 5.0 | | Dilution: | 5.0 | |
| Date Analyzed: | 09/22/2009 2014 | | Date Analyzed: | 09/22/2009 2038 | |
| Date Prepared: | 09/22/2009 2014 | | Date Prepared: | 09/22/2009 2038 | |

| Analyte | Sample Result/Qual | | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 100 | 100 | 90.5 | 107 |
| Acetone | 10 | U | 100 | 100 | 125 | 150 |
| Trichloroethene | 1.0 | U | 100 | 100 | 85.6 | 106 |
| Benzene | 1.0 | U | 100 | 100 | 97.1 | 112 |
| Toluene | 1.0 | U | 100 | 100 | 88.9 | 105 |
| Ethylbenzene | 1.0 | U | 100 | 100 | 86.2 | 108 |
| Xylenes, Total | 3.0 | U | 300 | 300 | 240 | 292 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17565**

**Method: 8270C**
**Preparation: 3510C**

Lab Sample ID: MB 460-17565/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 2015
Date Prepared: 09/22/2009 0722

Analysis Batch: 460-17774
Prep Batch: 460-17565
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z4092.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 2-Fluorobiphenyl | 88 | 64 - 119 |
| Nitrobenzene-d5 | 97 | 69 - 120 |
| Terphenyl-d14 | 94 | 38 - 141 |

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 460-17565**

**Method: 8270C**
**Preparation: 3510C**

LCS Lab Sample ID: LCS 460-17565/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 2040
Date Prepared: 09/22/2009 0722

Analysis Batch: 460-17774
Prep Batch: 460-17565
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z4093.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 460-17565/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2009 2105
Date Prepared: 09/22/2009 0722

Analysis Batch: 460-17774
Prep Batch: 460-17565
Units: ug/L

Instrument ID: BNAMS11
Lab File ID: z4094.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL

| Analyte | % Rec. LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
|---|---|---|---|---|---|---|---|
| Aniline | 74 | 67 | 45 - 90 | 10 | 30 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 93 | 90 | 64 - 119 |
| Nitrobenzene-d5 | 99 | 94 | 69 - 120 |
| Terphenyl-d14 | 89 | 83 | 38 - 141 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5829-1

**Laboratory Control/**
**Laboratory Duplicate Data Report - Batch: 460-17565**

**Method: 8270C**
**Preparation: 3510C**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 460-17565/2-A | Units: | ug/L | LCSD Lab Sample ID: | LCSD 460-17565/3-A |
| Client Matrix: | Water | | | Client Matrix: | Water |
| Dilution: | 1.0 | | | Dilution: | 1.0 |
| Date Analyzed: | 09/22/2009 2040 | | | Date Analyzed: | 09/22/2009 2105 |
| Date Prepared: | 09/22/2009 0722 | | | Date Prepared: | 09/22/2009 0722 |

| Analyte | LCS Spike Amount | LCSD Spike Amount | LCS Result/Qual | LCSD Result/Qual |
|---|---|---|---|---|
| Aniline | 100 | 100 | 74.0 | 66.7 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17692**

**Method: 8270C**
**Preparation: 3510C**

Lab Sample ID: MB 460-17692/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/25/2009 0624
Date Prepared: 09/23/2009 0717

Analysis Batch: 460-18193
Prep Batch: 460-17692
Units: ug/L

Instrument ID: Agilent 7890A/5975C
Lab File ID: x2623.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 2-Fluorobiphenyl | 84 | 64 - 119 |
| Nitrobenzene-d5 | 89 | 69 - 120 |
| Terphenyl-d14 | 78 | 38 - 141 |

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 460-17692**

**Method: 8270C**
**Preparation: 3510C**

LCS Lab Sample ID: LCS 460-17692/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/25/2009 0650
Date Prepared: 09/23/2009 0717

Analysis Batch: 460-18193
Prep Batch: 460-17692
Units: ug/L

Instrument ID: Agilent 7890A/5975C
Lab File ID: x2624.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 460-17692/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2009 2038
Date Prepared: 09/23/2009 0717

Analysis Batch: 460-18382
Prep Batch: 460-17692
Units: ug/L

Instrument ID: Agilent 7890A/5975C
Lab File ID: x2719.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL

| Analyte | % Rec. LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
|---|---|---|---|---|---|---|---|
| Aniline | 60 | 56 | 45 - 90 | 7 | 30 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 82 | 85 | 64 - 119 |
| Nitrobenzene-d5 | 84 | 87 | 69 - 120 |
| Terphenyl-d14 | 79 | 81 | 38 - 141 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5829-1

**Laboratory Control/**
**Laboratory Duplicate Data Report - Batch: 460-17692**

**Method: 8270C**
**Preparation: 3510C**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 460-17692/2-A | Units: | ug/L | LCSD Lab Sample ID: | LCSD 460-17692/3-A |
| Client Matrix: | Water | | | Client Matrix: | Water |
| Dilution: | 1.0 | | | Dilution: | 1.0 |
| Date Analyzed: | 09/25/2009 0650 | | | Date Analyzed: | 09/29/2009 2038 |
| Date Prepared: | 09/23/2009 0717 | | | Date Prepared: | 09/23/2009 0717 |

| Analyte | LCS Spike Amount | LCSD Spike Amount | LCS Result/Qual | LCSD Result/Qual |
|---|---|---|---|---|
| Aniline | 100 | 100 | 60.1 | 55.7 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17479**

**Method: 8015B**
**Preparation: N/A**

Lab Sample ID: MB 460-17479/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 0939
Date Prepared: N/A

Analysis Batch: 460-17479
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4113.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

| Analyte | Result | Qual | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1-Pentanol | 104 | 52 - 122 |

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 460-17479**

**Method: 8015B**
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-17479/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 0920
Date Prepared: N/A

Analysis Batch: 460-17479
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4110.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 460-17479/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 0926
Date Prepared: N/A

Analysis Batch: 460-17479
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4111.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

| Analyte | % Rec. LCS | % Rec. LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
|---|---|---|---|---|---|---|---|
| Methanol | 98 | 97 | 60 - 145 | 1 | 30 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 95 | 94 | 52 - 122 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5829-1

**Laboratory Control/**
**Laboratory Duplicate Data Report - Batch: 460-17479**

**Method: 8015B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 460-17479/3 | Units: | ug/L | LCSD Lab Sample ID: | LCSD 460-17479/4 |
| Client Matrix: | Water | | | Client Matrix: | Water |
| Dilution: | 1.0 | | | Dilution: | 1.0 |
| Date Analyzed: | 09/21/2009 0920 | | | Date Analyzed: | 09/21/2009 0926 |
| Date Prepared: | N/A | | | Date Prepared: | N/A |

| Analyte | LCS Spike Amount | LCSD Spike Amount | LCS Result/Qual | LCSD Result/Qual |
|---|---|---|---|---|
| Methanol | 5000 | 5000 | 4890 | 4850 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## DATA REPORTING QUALIFIERS

Client: ARCADIS Job Number: 460-5829-1

| Lab Section | Qualifier | Description |
|---|---|---|
| GC/MS VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |
| | J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| GC/MS Semi VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |
| GC VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |

Client: ARCADIS Job Number: 460-5829-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC/MS VOA** | | | | | |
| **Analysis Batch:460-17651** | | | | | |
| LCS 460-17651/3 | Lab Control Sample | T | Water | 8260B | |
| MB 460-17651/4 | Method Blank | T | Water | 8260B | |
| 460-5829-1 | MW-17R | T | Water | 8260B | |
| 460-5829-2 | MW-25S | T | Water | 8260B | |
| 460-5829-3 | MW-23I | T | Water | 8260B | |
| 460-5829-4 | MW-23S | T | Water | 8260B | |
| 460-5829-4MS | Matrix Spike | T | Water | 8260B | |
| 460-5829-4MSD | Matrix Spike Duplicate | T | Water | 8260B | |
| 460-5829-5 | MW-18 | T | Water | 8260B | |
| 460-5829-6 | PZ-5S | T | Water | 8260B | |
| 460-5829-7 | PZ-5D | T | Water | 8260B | |
| 460-5829-8 | MW-19 | T | Water | 8260B | |
| 460-5829-9TB | Trip Blank | T | Water | 8260B | |

**Report Basis**
T = Total

Client: ARCADIS Job Number: 460-5829-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC/MS Semi VOA** | | | | | |
| **Prep Batch: 460-17565** | | | | | |
| LCS 460-17565/2-A | Lab Control Sample | T | Water | 3510C | |
| LCSD 460-17565/3-A | Lab Control Sample Duplicate | T | Water | 3510C | |
| MB 460-17565/1-A | Method Blank | T | Water | 3510C | |
| 460-5829-1 | MW-17R | T | Water | 3510C | |
| 460-5829-2 | MW-25S | T | Water | 3510C | |
| 460-5829-3 | MW-23I | T | Water | 3510C | |
| 460-5829-5 | MW-18 | T | Water | 3510C | |
| 460-5829-6 | PZ-5S | T | Water | 3510C | |
| 460-5829-7 | PZ-5D | T | Water | 3510C | |
| **Prep Batch: 460-17692** | | | | | |
| LCS 460-17692/2-A | Lab Control Sample | T | Water | 3510C | |
| LCSD 460-17692/3-A | Lab Control Sample Duplicate | T | Water | 3510C | |
| MB 460-17692/1-A | Method Blank | T | Water | 3510C | |
| 460-5829-4 | MW-23S | T | Water | 3510C | |
| 460-5829-8 | MW-19 | T | Water | 3510C | |
| **Analysis Batch:460-17774** | | | | | |
| LCS 460-17565/2-A | Lab Control Sample | T | Water | 8270C | 460-17565 |
| LCSD 460-17565/3-A | Lab Control Sample Duplicate | T | Water | 8270C | 460-17565 |
| MB 460-17565/1-A | Method Blank | T | Water | 8270C | 460-17565 |
| 460-5829-1 | MW-17R | T | Water | 8270C | 460-17565 |
| 460-5829-2 | MW-25S | T | Water | 8270C | 460-17565 |
| 460-5829-5 | MW-18 | T | Water | 8270C | 460-17565 |
| 460-5829-6 | PZ-5S | T | Water | 8270C | 460-17565 |
| 460-5829-7 | PZ-5D | T | Water | 8270C | 460-17565 |
| **Analysis Batch:460-17780** | | | | | |
| 460-5829-3 | MW-23I | T | Water | 8270C | 460-17565 |
| **Analysis Batch:460-18193** | | | | | |
| LCS 460-17692/2-A | Lab Control Sample | T | Water | 8270C | 460-17692 |
| MB 460-17692/1-A | Method Blank | T | Water | 8270C | 460-17692 |
| 460-5829-4 | MW-23S | T | Water | 8270C | 460-17692 |
| **Analysis Batch:460-18382** | | | | | |
| LCSD 460-17692/3-A | Lab Control Sample Duplicate | T | Water | 8270C | 460-17692 |
| 460-5829-8 | MW-19 | T | Water | 8270C | 460-17692 |

**Report Basis**
T = Total

Client: ARCADIS Job Number: 460-5829-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC VOA** | | | | | |
| **Analysis Batch:460-17479** | | | | | |
| LCS 460-17479/3 | Lab Control Sample | T | Water | 8015B | |
| LCSD 460-17479/4 | Lab Control Sample Duplicate | T | Water | 8015B | |
| MB 460-17479/6 | Method Blank | T | Water | 8015B | |
| 460-5829-1 | MW-17R | T | Water | 8015B | |
| 460-5829-2 | MW-25S | T | Water | 8015B | |
| 460-5829-3 | MW-23I | T | Water | 8015B | |
| 460-5829-4 | MW-23S | T | Water | 8015B | |
| 460-5829-5 | MW-18 | T | Water | 8015B | |
| 460-5829-6 | PZ-5S | T | Water | 8015B | |
| **Analysis Batch:460-17484** | | | | | |
| 460-5829-7 | PZ-5D | T | Water | 8015B | |
| 460-5829-8 | MW-19 | T | Water | 8015B | |

**Report Basis**
T = Total

Client: ARCADIS Job Number: 460-5829-1

## Laboratory Chronicle

**Lab ID:** 460-5829-1 **Client ID:** MW-17R

Sample Date/Time: 09/17/2009 15:35 Received Date/Time: 09/18/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5829-B-1 | | 460-17651 | | 09/22/2009 21:51 | 1 | TAL EDI | EM |
| A:8260B | 460-5829-B-1 | | 460-17651 | | 09/22/2009 21:51 | 1 | TAL EDI | EM |
| P:3510C | 460-5829-H-1-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | 460-5829-H-1-A | | 460-17774 | 460-17565 | 09/22/2009 21:29 | 1 | TAL EDI | MC |
| A:8015B | 460-5829-A-1 | | 460-17479 | | 09/21/2009 09:45 | 1 | TAL EDI | HP |

**Lab ID:** 460-5829-2 **Client ID:** MW-25S

Sample Date/Time: 09/17/2009 09:50 Received Date/Time: 09/18/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5829-A-2 | | 460-17651 | | 09/22/2009 22:40 | 1 | TAL EDI | EM |
| A:8260B | 460-5829-A-2 | | 460-17651 | | 09/22/2009 22:40 | 1 | TAL EDI | EM |
| P:3510C | 460-5829-G-2-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | 460-5829-G-2-A | | 460-17774 | 460-17565 | 09/22/2009 21:54 | 1 | TAL EDI | MC |
| A:8015B | 460-5829-C-2 | | 460-17479 | | 09/21/2009 09:51 | 1 | TAL EDI | HP |

**Lab ID:** 460-5829-3 **Client ID:** MW-23I

Sample Date/Time: 09/17/2009 11:30 Received Date/Time: 09/18/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5829-B-3 | | 460-17651 | | 09/22/2009 23:28 | 1 | TAL EDI | EM |
| A:8260B | 460-5829-B-3 | | 460-17651 | | 09/22/2009 23:28 | 1 | TAL EDI | EM |
| P:3510C | 460-5829-H-3-A | | 460-17780 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | 460-5829-H-3-A | | 460-17780 | 460-17565 | 09/23/2009 17:11 | 1 | TAL EDI | CZ |
| A:8015B | 460-5829-A-3 | | 460-17479 | | 09/21/2009 09:58 | 1 | TAL EDI | HP |

**Lab ID:** 460-5829-4 **Client ID:** MW-23S

Sample Date/Time: 09/17/2009 12:25 Received Date/Time: 09/18/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5829-C-4 | | 460-17651 | | 09/22/2009 19:25 | 1 | TAL EDI | EM |
| A:8260B | 460-5829-C-4 | | 460-17651 | | 09/22/2009 19:25 | 1 | TAL EDI | EM |
| P:3510C | 460-5829-G-4-A | | 460-18193 | 460-17692 | 09/23/2009 09:03 | 1 | TAL EDI | MC |
| A:8270C | 460-5829-G-4-A | | 460-18193 | 460-17692 | 09/25/2009 08:30 | 1 | TAL EDI | AAA |
| A:8015B | 460-5829-B-4 | | 460-17479 | | 09/21/2009 10:04 | 1 | TAL EDI | HP |

Client: ARCADIS Job Number: 460-5829-1

## Laboratory Chronicle

**Lab ID: 460-5829-4 MS** **Client ID: MW-23S**

Sample Date/Time: 09/17/2009 12:25 Received Date/Time: 09/18/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5829-C-4 MS | | 460-17651 | | 09/22/2009 20:14 | 5 | TAL EDI | EM |
| A:8260B | 460-5829-C-4 MS | | 460-17651 | | 09/22/2009 20:14 | 5 | TAL EDI | EM |

**Lab ID: 460-5829-4 MSD** **Client ID: MW-23S**

Sample Date/Time: 09/17/2009 12:25 Received Date/Time: 09/18/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5829-C-4 MSD | | 460-17651 | | 09/22/2009 20:38 | 5 | TAL EDI | EM |
| A:8260B | 460-5829-C-4 MSD | | 460-17651 | | 09/22/2009 20:38 | 5 | TAL EDI | EM |

**Lab ID: 460-5829-5** **Client ID: MW-18**

Sample Date/Time: 09/17/2009 14:30 Received Date/Time: 09/18/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5829-B-5 | | 460-17651 | | 09/23/2009 00:17 | 1 | TAL EDI | EM |
| A:8260B | 460-5829-B-5 | | 460-17651 | | 09/23/2009 00:17 | 1 | TAL EDI | EM |
| P:3510C | 460-5829-G-5-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | 460-5829-G-5-A | | 460-17774 | 460-17565 | 09/22/2009 23:08 | 1 | TAL EDI | MC |
| A:8015B | 460-5829-A-5 | | 460-17479 | | 09/21/2009 10:10 | 1 | TAL EDI | HP |

**Lab ID: 460-5829-6** **Client ID: PZ-5S**

Sample Date/Time: 09/17/2009 11:10 Received Date/Time: 09/18/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5829-C-6 | | 460-17651 | | 09/23/2009 01:05 | 1 | TAL EDI | EM |
| A:8260B | 460-5829-C-6 | | 460-17651 | | 09/23/2009 01:05 | 1 | TAL EDI | EM |
| P:3510C | 460-5829-G-6-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | 460-5829-G-6-A | | 460-17774 | 460-17565 | 09/22/2009 23:32 | 1 | TAL EDI | MC |
| A:8015B | 460-5829-B-6 | | 460-17479 | | 09/21/2009 10:16 | 1 | TAL EDI | HP |

**Lab ID: 460-5829-7** **Client ID: PZ-5D**

Sample Date/Time: 09/17/2009 09:50 Received Date/Time: 09/18/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5829-C-7 | | 460-17651 | | 09/23/2009 01:54 | 1 | TAL EDI | EM |
| A:8260B | 460-5829-C-7 | | 460-17651 | | 09/23/2009 01:54 | 1 | TAL EDI | EM |
| P:3510C | 460-5829-G-7-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | 460-5829-G-7-A | | 460-17774 | 460-17565 | 09/22/2009 23:57 | 1 | TAL EDI | MC |
| A:8015B | 460-5829-B-7 | | 460-17484 | | 09/21/2009 10:59 | 1 | TAL EDI | HP |

Client: ARCADIS Job Number: 460-5829-1

## Laboratory Chronicle

**Lab ID:** 460-5829-8 **Client ID:** MW-19

Sample Date/Time: 09/17/2009 13:20 Received Date/Time: 09/18/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5829-B-8 | | 460-17651 | | 09/23/2009 02:42 | 1 | TAL EDI | EM |
| A:8260B | 460-5829-B-8 | | 460-17651 | | 09/23/2009 02:42 | 1 | TAL EDI | EM |
| P:3510C | 460-5829-H-8-A | | 460-18382 | 460-17692 | 09/23/2009 09:12 | 1 | TAL EDI | MC |
| A:8270C | 460-5829-H-8-A | | 460-18382 | 460-17692 | 09/29/2009 21:12 | 1 | TAL EDI | CZ |
| A:8015B | 460-5829-A-8 | | 460-17484 | | 09/21/2009 11:05 | 1 | TAL EDI | HP |

**Lab ID:** 460-5829-9 **Client ID:** Trip Blank

Sample Date/Time: 09/17/2009 00:00 Received Date/Time: 09/18/2009 10:15

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5829-C-9 | | 460-17651 | | 09/22/2009 21:27 | 1 | TAL EDI | EM |
| A:8260B | 460-5829-C-9 | | 460-17651 | | 09/22/2009 21:27 | 1 | TAL EDI | EM |

**Lab ID:** MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | MB 460-17651/4 | | 460-17651 | | 09/22/2009 19:01 | 1 | TAL EDI | EM |
| A:8260B | MB 460-17651/4 | | 460-17651 | | 09/22/2009 19:01 | 1 | TAL EDI | EM |
| P:3510C | MB 460-17565/1-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | MB 460-17565/1-A | | 460-17774 | 460-17565 | 09/22/2009 20:15 | 1 | TAL EDI | MC |
| P:3510C | MB 460-17692/1-A | | 460-18193 | 460-17692 | 09/23/2009 07:17 | 1 | TAL EDI | MC |
| A:8270C | MB 460-17692/1-A | | 460-18193 | 460-17692 | 09/25/2009 06:24 | 1 | TAL EDI | AAA |
| A:8015B | MB 460-17479/6 | | 460-17479 | | 09/21/2009 09:39 | 1 | TAL EDI | HP |

**Lab ID:** LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | LCS 460-17651/3 | | 460-17651 | | 09/22/2009 18:12 | 1 | TAL EDI | EM |
| A:8260B | LCS 460-17651/3 | | 460-17651 | | 09/22/2009 18:12 | 1 | TAL EDI | EM |
| P:3510C | LCS 460-17565/2-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | LCS 460-17565/2-A | | 460-17774 | 460-17565 | 09/22/2009 20:40 | 1 | TAL EDI | MC |
| P:3510C | LCS 460-17692/2-A | | 460-18193 | 460-17692 | 09/23/2009 07:17 | 1 | TAL EDI | MC |
| A:8270C | LCS 460-17692/2-A | | 460-18193 | 460-17692 | 09/25/2009 06:50 | 1 | TAL EDI | AAA |
| A:8015B | LCS 460-17479/3 | | 460-17479 | | 09/21/2009 09:20 | 1 | TAL EDI | HP |

Client: ARCADIS Job Number: 460-5829-1

## Laboratory Chronicle

**Lab ID:** **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:3510C | LCSD 460-17565/3-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | LCSD 460-17565/3-A | | 460-17774 | 460-17565 | 09/22/2009 21:05 | 1 | TAL EDI | MC |
| P:3510C | LCSD 460-17692/3-A | | 460-18382 | 460-17692 | 09/23/2009 07:17 | 1 | TAL EDI | MC |
| A:8270C | LCSD 460-17692/3-A | | 460-18382 | 460-17692 | 09/29/2009 20:38 | 1 | TAL EDI | CZ |
| A:8015B | LCSD 460-17479/4 | | 460-17479 | | 09/21/2009 09:26 | 1 | TAL EDI | HP |

**Lab References:**
TAL EDI = TestAmerica Edison

# GC/MS VOA

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

| Client Sample ID | Lab Sample ID | DCA # | TOL # | BFB # |
|---|---|---|---|---|
| MW-17R | 460-5829-1 | 95 | 98 | 91 |
| MW-25S | 460-5829-2 | 103 | 100 | 95 |
| MW-23I | 460-5829-3 | 111 | 106 | 96 |
| MW-23S | 460-5829-4 | 104 | 103 | 99 |
| MW-18 | 460-5829-5 | 105 | 99 | 94 |
| PZ-5S | 460-5829-6 | 103 | 103 | 96 |
| PZ-5D | 460-5829-7 | 106 | 100 | 95 |
| MW-19 | 460-5829-8 | 106 | 100 | 93 |
| Trip Blank | 460-5829-9 | 106 | 113 | 101 |
| | MB 460-17651/4 | 101 | 105 | 97 |
| | LCS 460-17651/3 | 99 | 101 | 100 |
| MW-23S MS | 460-5829-4 MS | 99 | 106 | 103 |
| MW-23S MSD | 460-5829-4 MSD | 98 | 102 | 101 |

| | QC LIMITS |
|---|---|
| DCA = 1,2-Dichloroethane-d4 (Surr) | 70-122 |
| TOL = Toluene-d8 (Surr) | 69-125 |
| BFB = Bromofluorobenzene | 69-135 |

# Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low Lab File ID: d12785.d

Lab ID: LCS 460-17651/3 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 20.0 | 100 | 79-119 | |
| Acetone | 20.0 | 25.2 | 126 | 45-156 | |
| Trichloroethene | 20.0 | 18.5 | 92 | 78-119 | |
| Benzene | 20.0 | 20.0 | 100 | 83-124 | |
| Toluene | 20.0 | 18.4 | 92 | 80-120 | |
| Ethylbenzene | 20.0 | 18.8 | 94 | 79-126 | |
| Xylenes, Total | 60.0 | 49.6 | 83 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low Lab File ID: d12790.d

Lab ID: 460-5829-4 MS Client ID: MW-23S MS

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methylene Chloride | 100 | 1.0 U | 90.5 | 90 | 79-119 | |
| Acetone | 100 | 10 U | 125 | 125 | 45-156 | |
| Trichloroethene | 100 | 1.0 U | 85.6 | 86 | 78-119 | |
| Benzene | 100 | 1.0 U | 97.1 | 97 | 83-124 | |
| Toluene | 100 | 1.0 U | 88.9 | 89 | 80-120 | |
| Ethylbenzene | 100 | 1.0 U | 86.2 | 86 | 79-126 | |
| Xylenes, Total | 300 | 3.0 U | 240 | 80 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low Lab File ID: d12791.d

Lab ID: 460-5829-4 MSD Client ID: MW-23S MSD

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 100 | 107 | 107 | 17 | 30 | 79-119 | |
| Acetone | 100 | 150 | 150 | 18 | 30 | 45-156 | |
| Trichloroethene | 100 | 106 | 106 | 22 | 30 | 78-119 | |
| Benzene | 100 | 112 | 112 | 14 | 30 | 83-124 | |
| Toluene | 100 | 105 | 105 | 16 | 30 | 80-120 | |
| Ethylbenzene | 100 | 108 | 108 | 23 | 30 | 79-126 | |
| Xylenes, Total | 300 | 292 | 97 | 19 | 30 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: d12787.d Lab Sample ID: MB 460-17651/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VOAMS4 Date Analyzed: 09/22/2009 19:01

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 460-17651/3 | d12785.d | 09/22/2009 18:12 |
| MW-23S | 460-5829-4 | d12788.d | 09/22/2009 19:25 |
| MW-23S MS | 460-5829-4 MS | d12790.d | 09/22/2009 20:14 |
| MW-23S MSD | 460-5829-4 MSD | d12791.d | 09/22/2009 20:38 |
| Trip Blank | 460-5829-9 | d12793.d | 09/22/2009 21:27 |
| MW-17R | 460-5829-1 | d12794.d | 09/22/2009 21:51 |
| MW-25S | 460-5829-2 | d12796.d | 09/22/2009 22:40 |
| MW-23I | 460-5829-3 | d12798.d | 09/22/2009 23:28 |
| MW-18 | 460-5829-5 | d12800.d | 09/23/2009 00:17 |
| PZ-5S | 460-5829-6 | d12802.d | 09/23/2009 01:05 |
| PZ-5D | 460-5829-7 | d12804.d | 09/23/2009 01:54 |
| MW-19 | 460-5829-8 | d12806.d | 09/23/2009 02:42 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: d12706.d BFB Injection Date: 09/21/2009

Instrument ID: VOAMS4 BFB Injection Time: 05:32

Analysis Batch No.: 17450

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 21.4 | |
| 75 | 30.0 - 60.0 % of mass 95 | 50.6 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.4 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 73.9 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.1 | (8.3)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 73.2 | (99.0)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 4.7 | (6.4)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | ICIS 460-17450/21 | d12707.d | 09/21/2009 | 05:57 |
| | IC 460-17450/3 | d12709.d | 09/21/2009 | 06:46 |
| | IC 460-17450/4 | d12711.d | 09/21/2009 | 07:34 |
| | IC 460-17450/22 | d12712.d | 09/21/2009 | 07:59 |
| | IC 460-17450/6 | d12713.d | 09/21/2009 | 08:23 |
| | IC 460-17450/7 | d12714.d | 09/21/2009 | 08:47 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: d12782.d BFB Injection Date: 09/22/2009

Instrument ID: VOAMS4 BFB Injection Time: 16:45

Analysis Batch No.: 17651

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 23.0 | |
| 75 | 30.0 - 60.0 % of mass 95 | 51.2 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 7.1 | |
| 173 | Less than 2.0 % of mass 174 | 0.9 | (1.2)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 75.6 | |
| 175 | 5.0 - 9.0 % of mass 174 | 5.9 | (7.8)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 73.3 | (96.9)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 4.8 | (6.5)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17651/2 | d12783.d | 09/22/2009 | 17:08 |
| | LCS 460-17651/3 | d12785.d | 09/22/2009 | 18:12 |
| | MB 460-17651/4 | d12787.d | 09/22/2009 | 19:01 |
| MW-23S | 460-5829-4 | d12788.d | 09/22/2009 | 19:25 |
| MW-23S MS | 460-5829-4 MS | d12790.d | 09/22/2009 | 20:14 |
| MW-23S MSD | 460-5829-4 MSD | d12791.d | 09/22/2009 | 20:38 |
| Trip Blank | 460-5829-9 | d12793.d | 09/22/2009 | 21:27 |
| MW-17R | 460-5829-1 | d12794.d | 09/22/2009 | 21:51 |
| MW-25S | 460-5829-2 | d12796.d | 09/22/2009 | 22:40 |
| MW-23I | 460-5829-3 | d12798.d | 09/22/2009 | 23:28 |
| MW-18 | 460-5829-5 | d12800.d | 09/23/2009 | 00:17 |
| PZ-5S | 460-5829-6 | d12802.d | 09/23/2009 | 01:05 |
| PZ-5D | 460-5829-7 | d12804.d | 09/23/2009 | 01:54 |
| MW-19 | 460-5829-8 | d12806.d | 09/23/2009 | 02:42 |

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Sample No.: CCVIS 460-17651/2 Date Analyzed: 09/22/2009 17:08

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): d12783.d Heated Purge: (Y/N) N

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 330699 | 4.85 | 216302 | 8.21 | 127158 | 10.13 |
| UPPER LIMIT | | 661398 | 5.35 | 432604 | 8.71 | 254316 | 10.63 |
| LOWER LIMIT | | 165350 | 4.35 | 108151 | 7.71 | 63579 | 9.63 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17651/3 | | 357022 | 4.85 | 239750 | 8.20 | 115852 | 10.13 |
| MB 460-17651/4 | | 313660 | 4.85 | 181648 | 8.21 | 86292 | 10.13 |
| 460-5829-4 | MW-23S | 277912 | 4.85 | 205249 | 8.21 | 83152 | 10.13 |
| 460-5829-4 MS | MW-23S MS | 380394 | 4.85 | 240770 | 8.21 | 115907 | 10.13 |
| 460-5829-4 MSD | MW-23S MSD | 390667 | 4.85 | 260708 | 8.21 | 128973 | 10.13 |
| 460-5829-9 | Trip Blank | 307915 | 4.85 | 193350 | 8.21 | 91368 | 10.13 |
| 460-5829-1 | MW-17R | 350583 | 4.86 | 224224 | 8.21 | 104847 | 10.13 |
| 460-5829-2 | MW-25S | 340689 | 4.85 | 215892 | 8.21 | 101091 | 10.13 |
| 460-5829-3 | MW-23I | 247561 | 4.86 | 150799 | 8.21 | 67075 | 10.13 |
| 460-5829-5 | MW-18 | 326055 | 4.85 | 205806 | 8.21 | 90073 | 10.13 |
| 460-5829-6 | PZ-5S | 302271 | 4.85 | 180296 | 8.21 | 80360 | 10.13 |
| 460-5829-7 | PZ-5D | 247013 | 4.85 | 166263 | 8.21 | 77728 | 10.13 |
| 460-5829-8 | MW-19 | 285664 | 4.85 | 172384 | 8.21 | 73315 | 10.13 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-17R | Lab Sample ID: 460-5829-1

Matrix: Water | Lab File ID: d12794.d

Analysis Method: 8260B | Date Collected: 09/17/2009 15:35

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 21:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17651 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 0.86 | J | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 95 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 91 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 98 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12794.d
Report Date: 23-Sep-2009 09:23

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12794.d
Lab Smp Id: 460-5829-B-1 Client Smp ID: MW-17R
Inj Date : 22-SEP-2009 21:51
Operator : Inst ID: VOAMS4.i
Smp Info : 460-5829-B-1
Misc Info : 460-5829-B-1
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 28 MTBE | 73 | 2.870 | 2.864 | (0.591) | 3293 | 0.44142 | 0.44(a) |
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.582 | 4.582 | (0.943) | 108391 | 47.5551 | 48 |
| 48 Benzene | 78 | 4.446 | 4.446 | (0.542) | 7205 | 0.85894 | 0.86(a) |
| * 52 Fluorobenzene | 96 | 4.858 | 4.852 | (1.000) | 350583 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.611 | 6.605 | (0.805) | 242783 | 48.8286 | 49 |
| * 78 Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 224224 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.270 | 9.264 | (0.915) | 71296 | 45.5836 | 46 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 104847 | 50.0000 | |

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: d12794.d

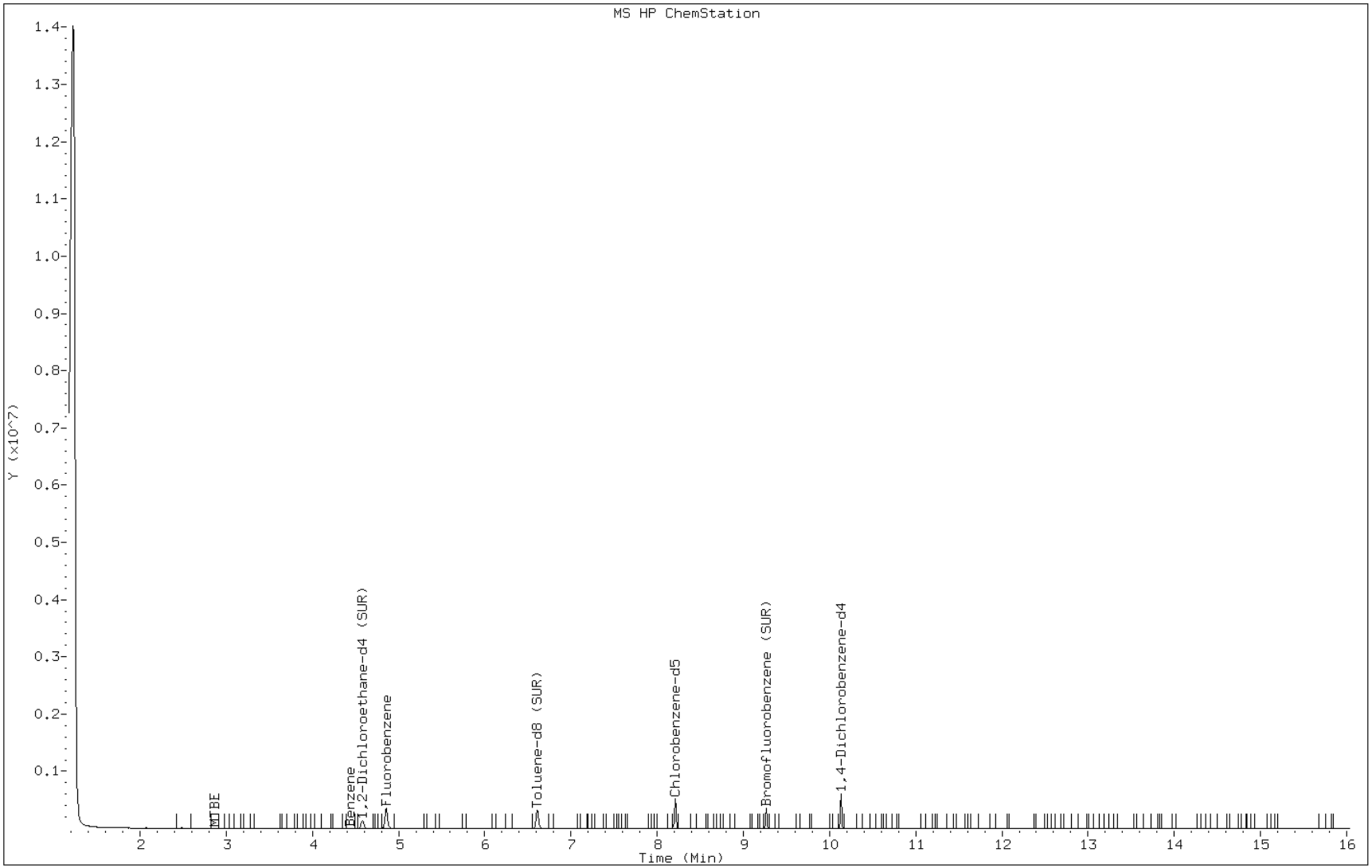
Date: 22-SEP-2009 21:51

Client ID: MW-17R

Instrument: VOAMS4.i

Sample Info: 460-5829-B-1

Operator:



Data File: d12794.d

Date: 22-SEP-2009 21:51

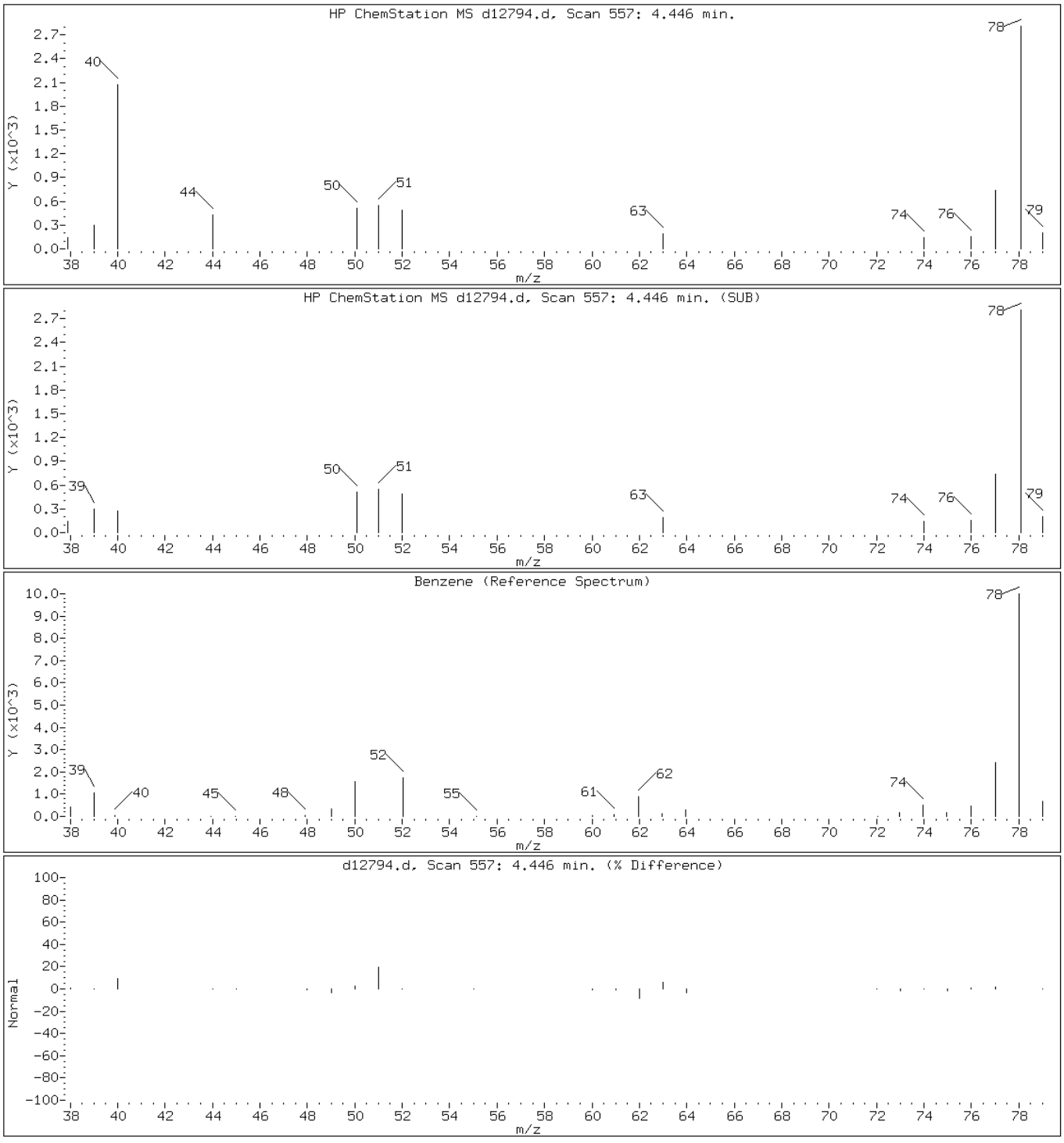
Client ID: MW-17R

Instrument: VOAMS4.i

Sample Info: 460-5829-B-1

Operator:

48 Benzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-25S | Lab Sample ID: 460-5829-2

Matrix: Water | Lab File ID: d12796.d

Analysis Method: 8260B | Date Collected: 09/17/2009 09:50

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 22:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17651 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 103 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 95 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 100 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12796.d
Report Date: 23-Sep-2009 09:23

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12796.d
Lab Smp Id: 460-5829-A-2 Client Smp ID: MW-25S
Inj Date : 22-SEP-2009 22:40
Operator : Inst ID: VOAMS4.i
Smp Info : 460-5829-A-2
Misc Info : 460-5829-A-2
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

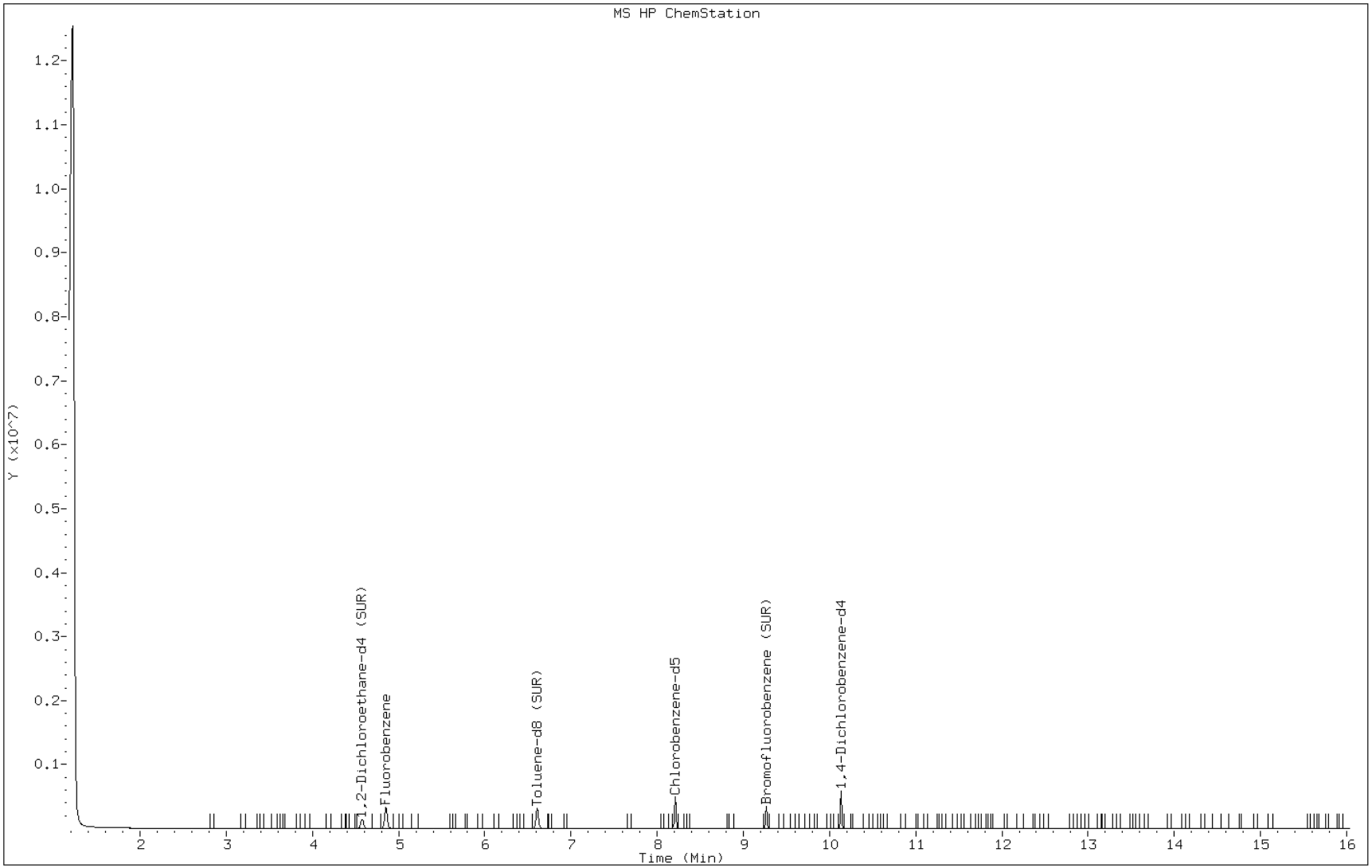
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.582 | (0.943) | 114351 | 51.6270 | 52 |
| * 52 Fluorobenzene | 96 | 4.852 | 4.852 | (1.000) | 340689 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.611 | 6.605 | (0.805) | 239625 | 50.0534 | 50 |
| * 78 Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 215892 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.270 | 9.264 | (0.915) | 71284 | 47.2693 | 47 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 101091 | 50.0000 | |

Data File: d12796.d

Date: 22-SEP-2009 22:40

Client ID: MW-25S Instrument: VOAMS4.i

Sample Info: 460-5829-A-2 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-23I Lab Sample ID: 460-5829-3

Matrix: Water Lab File ID: d12798.d

Analysis Method: 8260B Date Collected: 09/17/2009 11:30

Sample wt/vol: 5(mL) Date Analyzed: 09/22/2009 23:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17651 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 111 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 96 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 106 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12798.d
Report Date: 23-Sep-2009 09:24

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12798.d
Lab Smp Id: 460-5829-B-3 Client Smp ID: MW-23I
Inj Date : 22-SEP-2009 23:28
Operator : Inst ID: VOAMS4.i
Smp Info : 460-5829-B-3
Misc Info : 460-5829-B-3
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

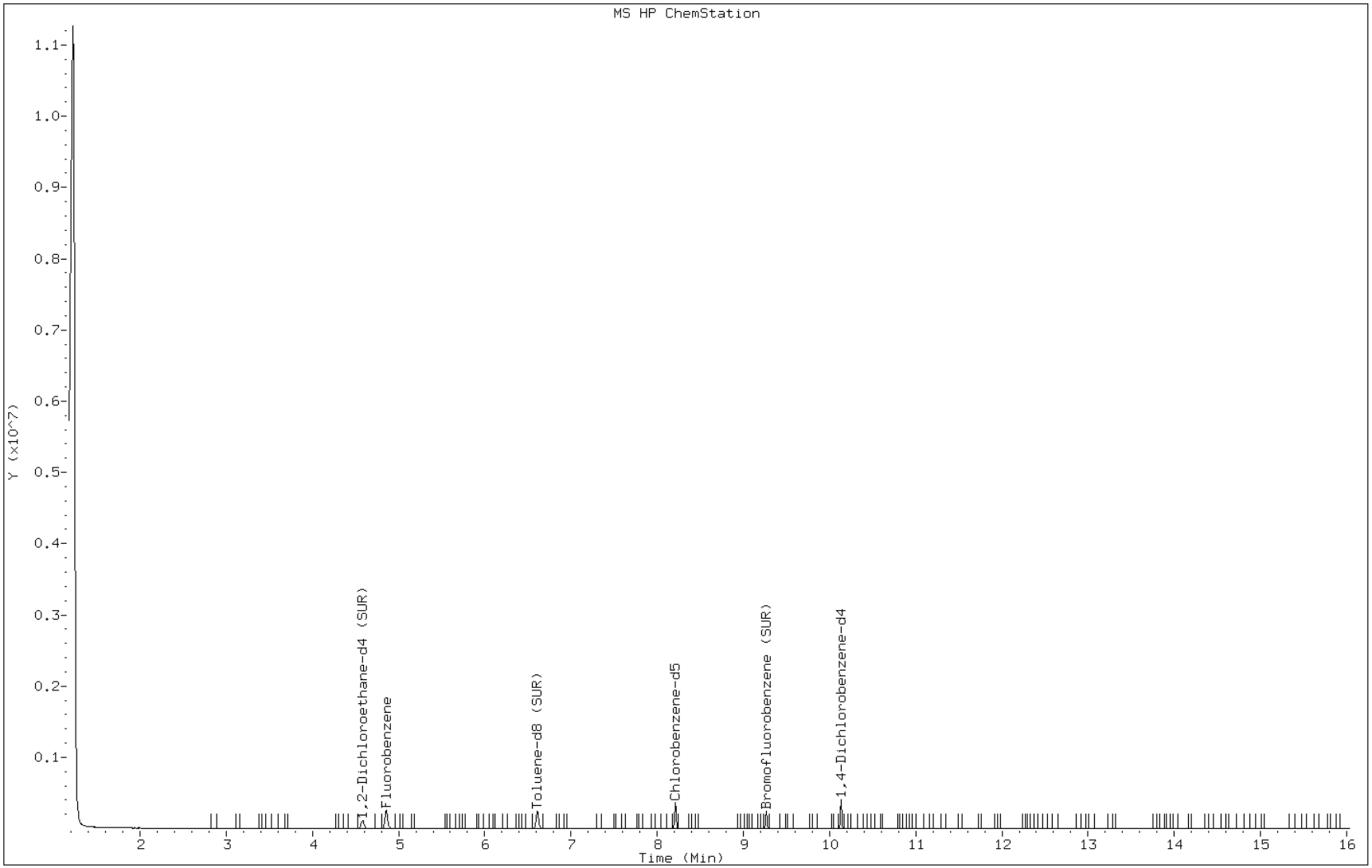
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.582 | 4.582 | (0.943) | 89645 | 55.6979 | 56 |
| * 52 Fluorobenzene | 96 | 4.858 | 4.852 | (1.000) | 247561 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.611 | 6.605 | (0.805) | 176475 | 52.7743 | 53 |
| * 78 Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 150799 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.270 | 9.264 | (0.915) | 48187 | 48.1580 | 48 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 67075 | 50.0000 | |

Data File: d12798.d

Date: 22-SEP-2009 23:28

Client ID: MW-23I Instrument: VOAMS4.i

Sample Info: 460-5829-B-3 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-23S Lab Sample ID: 460-5829-4

Matrix: Water Lab File ID: d12788.d

Analysis Method: 8260B Date Collected: 09/17/2009 12:25

Sample wt/vol: 5(mL) Date Analyzed: 09/22/2009 19:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17651 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 104 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 99 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 103 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12788.d
Report Date: 23-Sep-2009 09:22

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12788.d
Lab Smp Id: 460-5829-C-4 Client Smp ID: MW-23S
Inj Date : 22-SEP-2009 19:25
Operator : Inst ID: VOAMS4.i
Smp Info : 460-5829-C-4
Misc Info : 460-5829-C-4
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 4 Vinyl Chloride | 62 | 1.494 | 1.494 | (0.308) | 4843 | 1.45966 | 1.4(H) |
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.582 | (0.943) | 93701 | 51.8599 | 52 |
| * 52 Fluorobenzene | 96 | 4.852 | 4.852 | (1.000) | 277912 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.605 | 6.605 | (0.804) | 233620 | 51.3295 | 51 |
| * 78 Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 205249 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 61202 | 49.3392 | 49 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 83152 | 50.0000 | |

QC Flag Legend

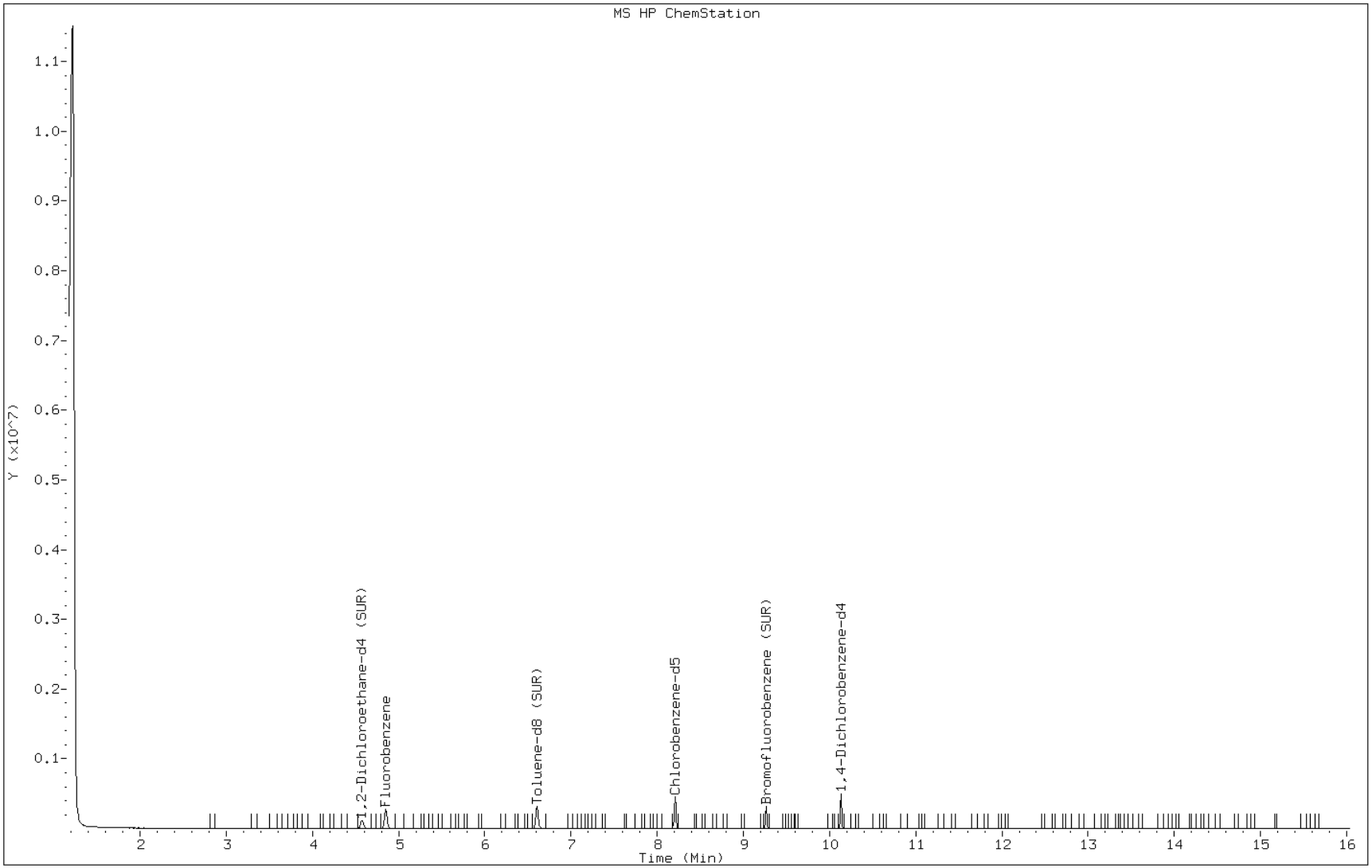
H - Operator selected an alternate compound hit.

Data File: d12788.d

Date: 22-SEP-2009 19:25

Client ID: MW-23S Instrument: VOAMS4.i

Sample Info: 460-5829-C-4 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-18  Lab Sample ID: 460-5829-5

Matrix: Water  Lab File ID: d12800.d

Analysis Method: 8260B  Date Collected: 09/17/2009 14:30

Sample wt/vol: 5(mL)  Date Analyzed: 09/23/2009 00:17

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: DB-624  ID: 0.18(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17651  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 105 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 94 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 99 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12800.d
Report Date: 23-Sep-2009 09:24

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12800.d
Lab Smp Id: 460-5829-B-5 Client Smp ID: MW-18
Inj Date : 23-SEP-2009 00:17
Operator : Inst ID: VOAMS4.i
Smp Info : 460-5829-B-5
Misc Info : 460-5829-B-5
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

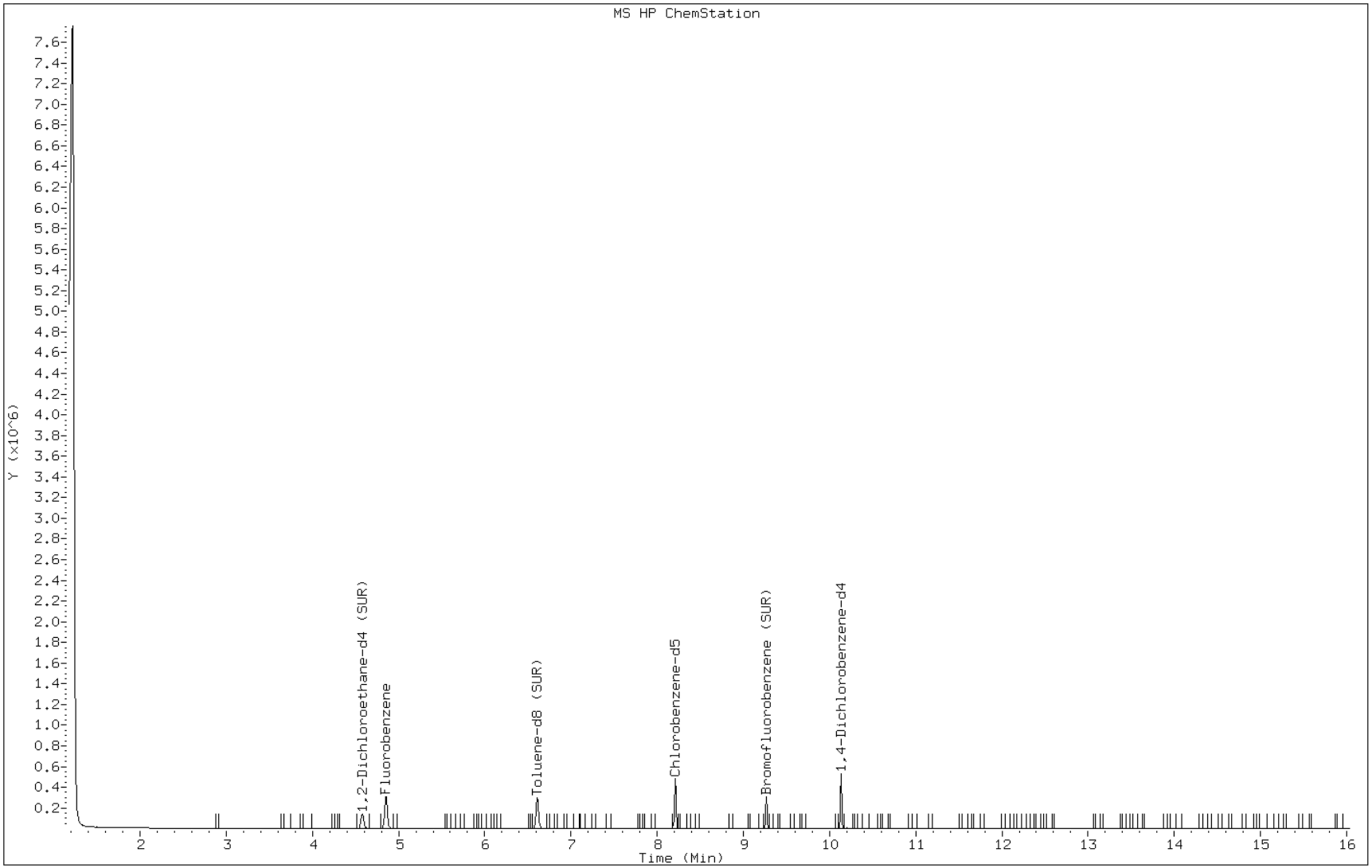
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.582 | 4.582 | (0.944) | 111335 | 52.5213 | 52 |
| * 52 Fluorobenzene | 96 | 4.852 | 4.852 | (1.000) | 326055 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.611 | 6.605 | (0.805) | 225561 | 49.4247 | 49 |
| * 78 Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 205806 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.270 | 9.264 | (0.915) | 63049 | 46.9227 | 47 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 90073 | 50.0000 | |

Data File: d12800.d

Date: 23-SEP-2009 00:17

Client ID: MW-18 Instrument: VOAMS4.i

Sample Info: 460-5829-B-5 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Client Sample ID: PZ-5S Lab Sample ID: 460-5829-6

Matrix: Water Lab File ID: d12802.d

Analysis Method: 8260B Date Collected: 09/17/2009 11:10

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2009 01:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17651 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 103 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 96 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 103 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12802.d
Report Date: 23-Sep-2009 09:24

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12802.d
Lab Smp Id: 460-5829-C-6 Client Smp ID: PZ-5S
Inj Date : 23-SEP-2009 01:05
Operator : Inst ID: VOAMS4.i
Smp Info : 460-5829-C-6
Misc Info : 460-5829-C-6
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

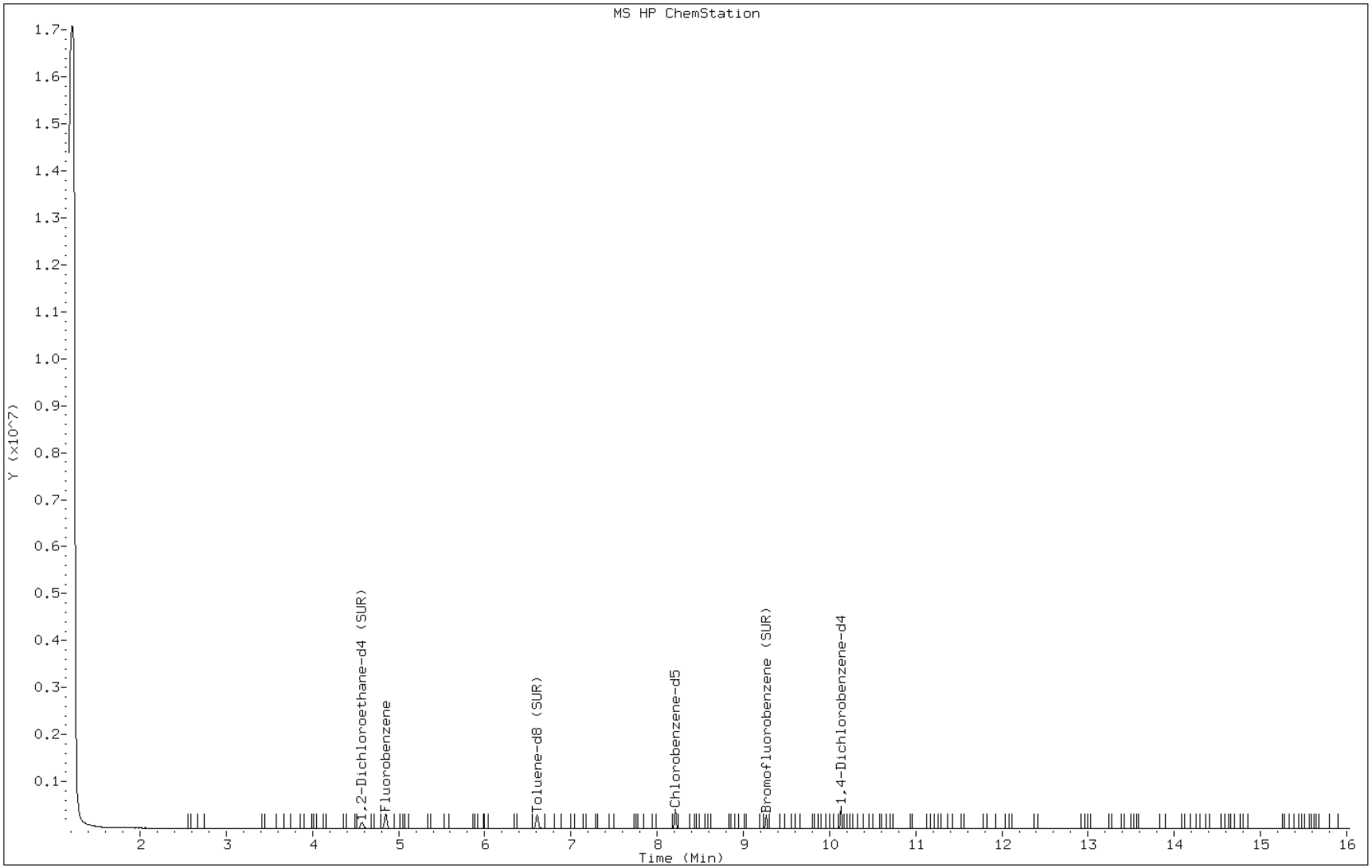
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.582 | (0.943) | 101667 | 51.7343 | 52 |
| * 52 Fluorobenzene | 96 | 4.852 | 4.852 | (1.000) | 302271 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.611 | 6.605 | (0.805) | 206895 | 51.7490 | 52 |
| * 78 Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 180296 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.270 | 9.264 | (0.915) | 57497 | 47.9628 | 48 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 80360 | 50.0000 | |

Data File: d12802.d

Date: 23-SEP-2009 01:05

Client ID: PZ-5S Instrument: VOAMS4.i

Sample Info: 460-5829-C-6 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Client Sample ID: PZ-5D Lab Sample ID: 460-5829-7

Matrix: Water Lab File ID: d12804.d

Analysis Method: 8260B Date Collected: 09/17/2009 09:50

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2009 01:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17651 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 106 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 95 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 100 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12804.d
Report Date: 23-Sep-2009 09:24

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12804.d
Lab Smp Id: 460-5829-C-7 Client Smp ID: PZ-5D
Inj Date : 23-SEP-2009 01:54
Operator : Inst ID: VOAMS4.i
Smp Info : 460-5829-C-7
Misc Info : 460-5829-C-7
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

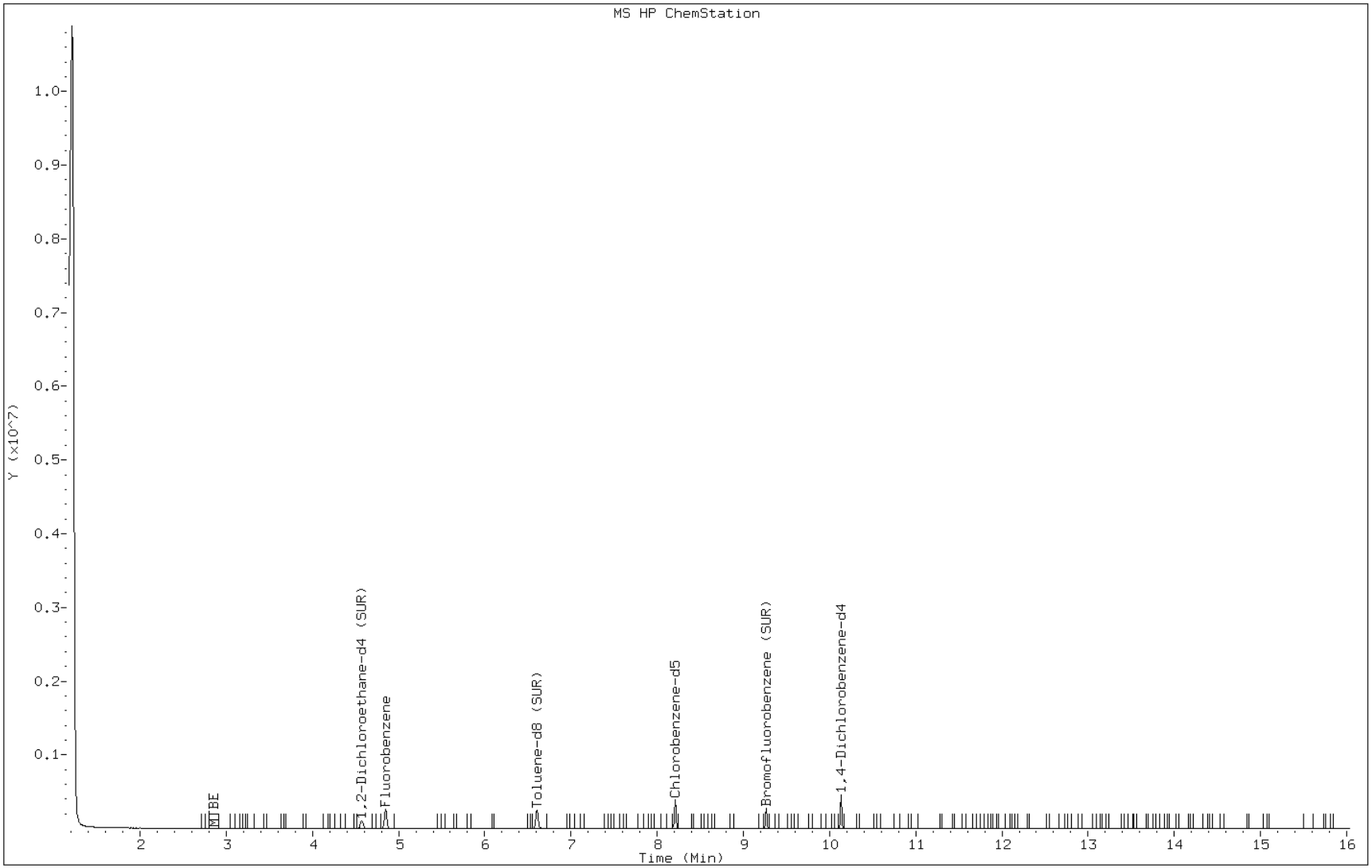
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 28 MTBE | 73 | 2.864 | 2.864 | (0.590) | 5711 | 1.08653 | 1.1 |
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.582 | (0.943) | 85211 | 53.0604 | 53 |
| * 52 Fluorobenzene | 96 | 4.852 | 4.852 | (1.000) | 247013 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.605 | 6.605 | (0.804) | 185280 | 50.2540 | 50 |
| * 78 Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 166263 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.270 | 9.264 | (0.915) | 54997 | 47.4309 | 47 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 77728 | 50.0000 | |

Data File: d12804.d

Date: 23-SEP-2009 01:54

Client ID: PZ-5D Instrument: VOAMS4.i

Sample Info: 460-5829-C-7 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-19 | Lab Sample ID: 460-5829-8

Matrix: Water | Lab File ID: d12806.d

Analysis Method: 8260B | Date Collected: 09/17/2009 13:20

Sample wt/vol: 5(mL) | Date Analyzed: 09/23/2009 02:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17651 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 106 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 93 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 100 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12806.d
Report Date: 23-Sep-2009 09:24

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12806.d
Lab Smp Id: 460-5829-B-8 Client Smp ID: MW-19
Inj Date : 23-SEP-2009 02:42
Operator : Inst ID: VOAMS4.i
Smp Info : 460-5829-B-8
Misc Info : 460-5829-B-8
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

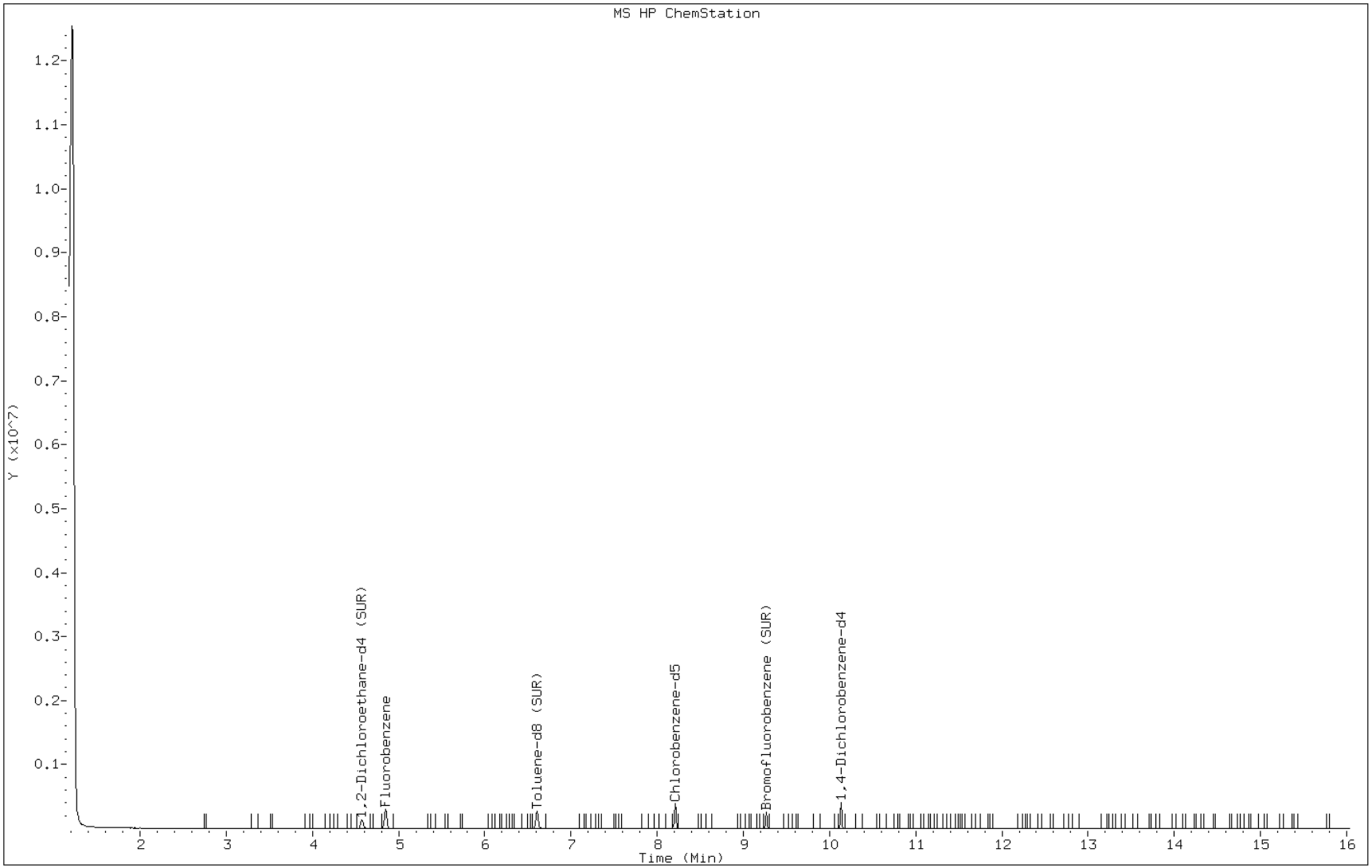
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.582 | (0.943) | 98836 | 53.2175 | 53 |
| * 52 Fluorobenzene | 96 | 4.852 | 4.852 | (1.000) | 285664 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.611 | 6.605 | (0.805) | 191546 | 50.1088 | 50 |
| * 78 Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 172384 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.270 | 9.264 | (0.915) | 51097 | 46.7199 | 47 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 73315 | 50.0000 | |

Data File: d12806.d

Date: 23-SEP-2009 02:42

Client ID: MW-19 Instrument: VOAMS4.i

Sample Info: 460-5829-B-8 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Client Sample ID: Trip Blank  Lab Sample ID: 460-5829-9

Matrix: Water  Lab File ID: d12793.d

Analysis Method: 8260B  Date Collected: 09/17/2009 00:00

Sample wt/vol: 5(mL)  Date Analyzed: 09/22/2009 21:27

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: DB-624 ID: 0.18(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17651  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 106 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 101 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 113 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12793.d
Report Date: 23-Sep-2009 09:23

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12793.d
Lab Smp Id: 460-5829-C-9 Client Smp ID: Trip Blank
Inj Date : 22-SEP-2009 21:27
Operator : Inst ID: VOAMS4.i
Smp Info : 460-5829-C-9
Misc Info : 460-5829-C-9
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.582 | (0.943) | 106586 | 53.2432 | 53 |
| * 52 Fluorobenzene | 96 | 4.852 | 4.852 | (1.000) | 307915 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.611 | 6.605 | (0.805) | 242035 | 56.4510 | 56 |
| * 78 Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 193350 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 68988 | 50.6150 | 51 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 91368 | 50.0000 | |

Data File: d12793.d

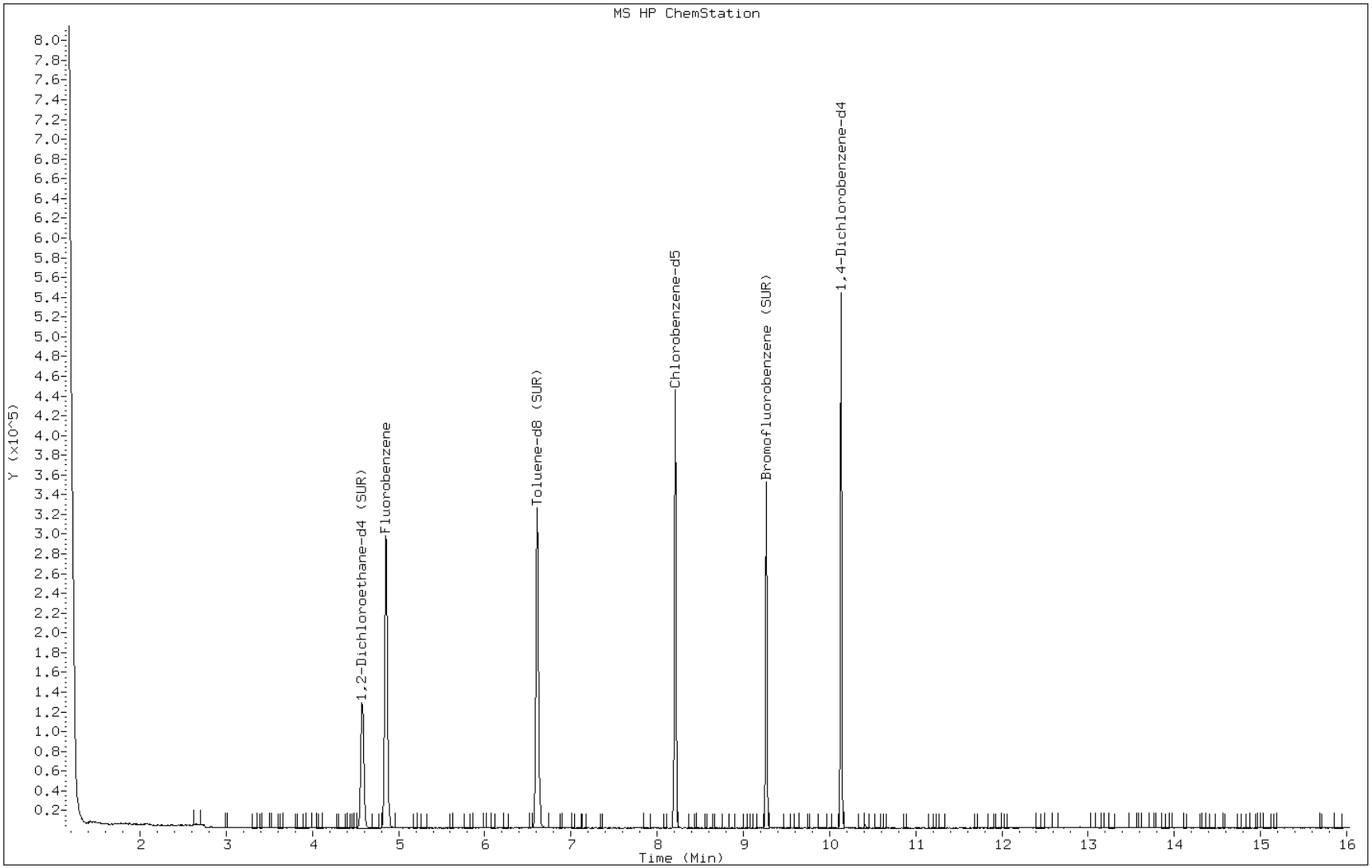
Date: 22-SEP-2009 21:27

Client ID: Trip Blank

Instrument: VOAMS4.i

Sample Info: 460-5829-C-9

Operator:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17450/4 | d12711.d |
| Level 2 | IC 460-17450/3 | d12709.d |
| Level 3 | ICIS 460-17450/21 | d12707.d |
| Level 4 | IC 460-17450/22 | d12712.d |
| Level 5 | IC 460-17450/6 | d12713.d |
| Level 6 | IC 460-17450/7 | d12714.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Dichlorodifluoromethane | 0.3013 0.3510 | 0.3879 | 0.3767 | 0.4017 | 0.3928 | Ave | | 0.3686 | | | | 10.1 | | 15.0 | | | |
| Chloromethane | 0.6317 0.5229 | 0.6010 | 0.5879 | 0.5442 | 0.5588 | Ave | | 0.5744 | | | 0.1000 | 7.0 | | 15.0 | | | |
| Vinyl chloride | 0.6350 0.5326 | 0.6024 | 0.6265 | 0.5906 | 0.5945 | Ave | | 0.5969 | | | | 6.1 | | 30.0 | | | |
| Bromomethane | 0.4015 0.3085 | 0.3844 | 0.3591 | 0.3502 | 0.3383 | Ave | | 0.3570 | | | | 9.3 | | 15.0 | | | |
| Chloroethane | 0.3587 0.2653 | 0.3449 | 0.3260 | 0.3209 | 0.2902 | Ave | | 0.3177 | | | | 10.9 | | 15.0 | | | |
| Pentane | 0.0685 0.0492 | 0.0556 | 0.0640 | 0.0625 | 0.0519 | Ave | | 0.0586 | | | | 12.9 | | 15.0 | | | |
| Trichlorofluoromethane | 0.6425 0.5200 | 0.5841 | 0.6561 | 0.6300 | 0.5770 | Ave | | 0.6016 | | | | 8.5 | | 15.0 | | | |
| 2-Methyl-1,3-butadiene | 0.6570 0.5445 | 0.5944 | 0.6135 | 0.6092 | 0.5820 | Ave | | 0.6001 | | | | 6.2 | | 15.0 | | | |
| Ethyl ether | 0.4377 0.3031 | 0.4220 | 0.3795 | 0.3608 | 0.3350 | Ave | | 0.3730 | | | | 13.7 | | 15.0 | | | |
| 1,1-Dichloroethene | 0.3217 0.2954 | 0.3241 | 0.3384 | 0.3027 | 0.3143 | Ave | | 0.3161 | | | | 4.9 | | 30.0 | | | |
| Carbon disulfide | 1.7338 1.4787 | 1.6462 | 1.6514 | 1.6411 | 1.5617 | Ave | | 1.6188 | | | | 5.4 | | 15.0 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.4567 0.3819 | 0.4029 | 0.4337 | 0.4220 | 0.4058 | Ave | | 0.4172 | | | | 6.3 | | 15.0 | | | |
| Ethanol | 0.0039 0.0039 | 0.0038 | 0.0035 | 0.0035 | 0.0039 | QuaF | | 297.61 | -90.31 | | | | | | 0.9956 | | 0.9900 |
| Iodomethane | 0.6945 0.5639 | 0.6951 | 0.6420 | 0.6300 | 0.5805 | Ave | | 0.6343 | | | | 8.7 | | 15.0 | | | |
| Isopropyl alcohol | 0.0378 0.0373 | 0.0368 | 0.0346 | 0.0343 | 0.0371 | Ave | | 0.0363 | | | | 4.1 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Methylene Chloride | 0.4034<br>0.3690 | 0.4093 | 0.4007 | 0.3776 | 0.3675 | Ave | | 0.3879 | | | | 4.8 | | 15.0 | | | |
| Acetone | 0.0590<br>0.0414 | 0.0797 | 0.0672 | 0.0646 | 0.0464 | LinF | | 0.0426 | | | | | | | 0.9920 | | 0.9900 |
| trans-1,2-Dichloroethene | 0.3163<br>0.3075 | 0.3403 | 0.3276 | 0.3027 | 0.3076 | Ave | | 0.3170 | | | | 4.5 | | 15.0 | | | |
| Methyl acetate | 0.1082<br>0.1234 | 0.1353 | 0.1225 | 0.1263 | 0.1185 | Ave | | 0.1224 | | | | 7.3 | | 15.0 | | | |
| Hexane | 0.3128<br>0.2745 | 0.3130 | 0.3158 | 0.3033 | 0.2830 | Ave | | 0.3004 | | | | 5.8 | | 15.0 | | | |
| Methyl tert-butyl ether | 1.0527<br>1.0873 | 1.1208 | 1.0376 | 1.0433 | 1.0420 | Ave | | 1.0639 | | | | 3.1 | | 15.0 | | | |
| 2-Methyl-2-propanol | 0.0568<br>0.0609 | 0.0639 | 0.0508 | 0.0543 | 0.0564 | Ave | | 0.0572 | | | | 8.2 | | 15.0 | | | |
| Acetonitrile | 0.0105<br>0.0183 | 0.0179 | 0.0175 | 0.0168 | 0.0188 | LinF | | 0.0184 | | | | | | | 0.9998 | | 0.9900 |
| Isopropyl ether | 1.3714<br>1.2964 | 1.3215 | 1.1919 | 1.2525 | 1.2649 | Ave | | 1.2831 | | | | 4.8 | | 15.0 | | | |
| 1,1-Dichloroethane | 0.6158<br>0.6086 | 0.6682 | 0.6442 | 0.6033 | 0.6110 | Ave | | 0.6252 | | | 0.1000 | 4.1 | | 15.0 | | | |
| Acrylonitrile | 0.1640<br>0.1724 | 0.1642 | 0.1707 | 0.1750 | 0.1564 | Ave | | 0.1671 | | | | 4.1 | | 15.0 | | | |
| Tert-butyl ethyl ether | 0.8795<br>1.2429 | 1.0447 | 1.0792 | 1.3382 | 1.2187 | Ave | | 1.1339 | | | | 14.6 | | 15.0 | | | |
| Vinyl acetate | 0.5079<br>0.4849 | 0.4236 | 0.4472 | 0.5354 | 0.5050 | Ave | | 0.4840 | | | | 8.6 | | 15.0 | | | |
| cis-1,2-Dichloroethene | 0.3381<br>0.3485 | 0.3731 | 0.3613 | 0.3403 | 0.3466 | Ave | | 0.3513 | | | | 3.8 | | 15.0 | | | |
| 2,2-Dichloropropane | 0.4579<br>0.4603 | 0.5189 | 0.5247 | 0.4512 | 0.4650 | Ave | | 0.4796 | | | | 6.9 | | 15.0 | | | |
| Cyclohexane | 0.6850<br>0.7617 | 0.6314 | 0.6769 | 0.7144 | 0.7308 | Ave | | 0.7000 | | | | 6.5 | | 15.0 | | | |
| Chlorobromomethane | 0.1638<br>0.1698 | 0.1812 | 0.1809 | 0.1699 | 0.1704 | Ave | | 0.1727 | | | | 4.0 | | 15.0 | | | |
| Chloroform | 0.6039<br>0.5856 | 0.6481 | 0.6143 | 0.5737 | 0.5725 | Ave | | 0.5997 | | | | 4.8 | | 30.0 | | | |
| Carbon tetrachloride | 0.3144<br>0.5306 | 0.4640 | 0.4572 | 0.4917 | 0.5143 | LinF | | 0.5280 | | | | | | | 0.9997 | | 0.9900 |
| Ethyl acetate | 0.0306<br>0.0460 | 0.0412 | 0.0400 | 0.0411 | 0.0415 | Ave | | 0.0401 | | | | 12.7 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Tetrahydrofuran | 0.2064<br>0.2089 | 0.2097 | 0.1768 | 0.1912 | 0.1922 | Ave | | 0.1975 | | | | 6.6 | | 15.0 | | | |
| 1,1,1-Trichloroethane | 0.4849<br>0.5374 | 0.5215 | 0.5324 | 0.4933 | 0.5163 | Ave | | 0.5143 | | | | 4.1 | | 15.0 | | | |
| 1,1-Dichloropropene | 0.3812<br>0.4474 | 0.4140 | 0.4170 | 0.4010 | 0.4349 | Ave | | 0.4159 | | | | 5.7 | | 15.0 | | | |
| 2-Butanone (MEK) | 0.0413<br>0.0684 | 0.0490 | 0.0583 | 0.0632 | 0.0646 | LinF | | 0.0679 | | | | | | | 0.9991 | | 0.9900 |
| n-Heptane | 0.2101<br>0.2320 | 0.1861 | 0.2164 | 0.2252 | 0.2277 | Ave | | 0.2162 | | | | 7.8 | | 15.0 | | | |
| Benzene | 1.8573<br>1.7988 | 2.0652 | 1.9733 | 1.7693 | 1.7591 | Ave | | 1.8705 | | | | 6.6 | | 15.0 | | | |
| Tert-amyl methyl ether | 0.7891<br>1.1056 | 0.9148 | 0.9009 | 0.9630 | 1.0248 | Ave | | 0.9497 | | | | 11.5 | | 15.0 | | | |
| 1,2-Dichloroethane | 0.4608<br>0.4657 | 0.4932 | 0.4728 | 0.4617 | 0.4535 | Ave | | 0.4680 | | | | 3.0 | | 15.0 | | | |
| Isopropyl acetate | 0.6856<br>0.8722 | 0.7810 | 0.7084 | 0.7803 | 0.8128 | Ave | | 0.7734 | | | | 8.8 | | 15.0 | | | |
| Methylcyclohexane | 0.4899<br>0.6577 | 0.4793 | 0.5600 | 0.6032 | 0.6276 | Ave | | 0.5696 | | | | 12.9 | | 15.0 | | | |
| Trichloroethene | 0.2987<br>0.3395 | 0.3323 | 0.3122 | 0.3069 | 0.3275 | Ave | | 0.3195 | | | | 5.0 | | 15.0 | | | |
| Dibromomethane | 0.1968<br>0.2220 | 0.2297 | 0.2257 | 0.2209 | 0.2180 | Ave | | 0.2189 | | | | 5.3 | | 15.0 | | | |
| n-Butanol | 0.0103<br>0.0151 | 0.0112 | 0.0112 | 0.0121 | 0.0140 | QuaF | | 100.03 | -38.06 | | | | | | 0.9981 | | 0.9900 |
| 1,2-Dichloropropane | 0.3298<br>0.3673 | 0.3699 | 0.3609 | 0.3505 | 0.3571 | Ave | | 0.3559 | | | | 4.1 | | 30.0 | | | |
| Ethyl acrylate | 0.3975<br>0.5192 | 0.4390 | 0.3777 | 0.4328 | 0.4643 | Ave | | 0.4384 | | | | 11.4 | | 15.0 | | | |
| Dichlorobromomethane | 0.4310<br>0.4886 | 0.4711 | 0.4614 | 0.4475 | 0.4624 | Ave | | 0.4603 | | | | 4.3 | | 15.0 | | | |
| Methyl methacrylate | 0.0433<br>0.0931 | 0.0798 | 0.0732 | 0.0811 | 0.0862 | LinF | | 0.0921 | | | | | | | 0.9987 | | 0.9900 |
| 1,4-Dioxane | 0.0046<br>0.0054 | 0.0049 | 0.0047 | 0.0048 | 0.0053 | Ave | | 0.0049 | | | | 6.5 | | 15.0 | | | |
| n-Propyl acetate | 0.6073<br>0.6413 | 0.5579 | 0.5080 | 0.5636 | 0.5871 | Ave | | 0.5775 | | | | 7.9 | | 15.0 | | | |
| 2-Chloroethyl vinyl ether | 0.1433<br>0.2591 | 0.1842 | 0.1812 | 0.2163 | 0.2371 | LinF | | 0.2560 | | | | | | | 0.9982 | | 0.9900 |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| cis-1,3-Dichloropropene | 0.5993<br>0.7713 | 0.6912 | 0.7281 | 0.6917 | 0.7169 | Ave | | 0.6997 | | | | 8.2 | | 15.0 | | | |
| Toluene | 2.1772<br>1.8386 | 2.0390 | 1.8917 | 1.7275 | 1.7940 | Ave | | 1.9113 | | | | 8.8 | | 30.0 | | | |
| Epichlorohydrin | 0.0602<br>0.0678 | 0.0673 | 0.0596 | 0.0616 | 0.0630 | Ave | | 0.0633 | | | | 5.6 | | 15.0 | | | |
| Tetrachloroethene | 0.3998<br>0.4095 | 0.4231 | 0.4183 | 0.3789 | 0.3960 | Ave | | 0.4043 | | | | 4.0 | | 15.0 | | | |
| 4-Methyl-2-pentanone (MIBK) | 0.4824<br>0.6726 | 0.5263 | 0.5329 | 0.5945 | 0.6161 | Ave | | 0.5708 | | | | 12.2 | | 15.0 | | | |
| trans-1,3-Dichloropropene | 0.5460<br>0.7104 | 0.6242 | 0.6291 | 0.6351 | 0.6663 | Ave | | 0.6352 | | | | 8.5 | | 15.0 | | | |
| 1,1,2-Trichloroethane | 0.3750<br>0.3506 | 0.3811 | 0.3665 | 0.3476 | 0.3315 | Ave | | 0.3587 | | | | 5.2 | | 15.0 | | | |
| Chlorodibromomethane | 0.4164<br>0.4422 | 0.4651 | 0.4519 | 0.4366 | 0.4272 | Ave | | 0.4399 | | | | 3.9 | | 15.0 | | | |
| 1,3-Dichloropropane | 0.6755<br>0.6928 | 0.7200 | 0.6879 | 0.6809 | 0.6711 | Ave | | 0.6880 | | | | 2.6 | | 15.0 | | | |
| Ethylene Dibromide | 0.3781<br>0.3935 | 0.4067 | 0.3970 | 0.3917 | 0.3833 | Ave | | 0.3917 | | | | 2.6 | | 15.0 | | | |
| n-Butyl acetate | 0.0934<br>0.1468 | 0.1088 | 0.1082 | 0.1251 | 0.1338 | LinF | | 0.1450 | | | | | | | 0.9982 | | 0.9900 |
| 2-Hexanone | 0.2753<br>0.4303 | 0.3115 | 0.3575 | 0.3908 | 0.3913 | LinF | | 0.4249 | | | | | | | 0.9982 | | 0.9900 |
| Chlorobenzene | 1.1770<br>1.1463 | 1.1955 | 1.1364 | 1.0873 | 1.1080 | Ave | | 1.1417 | | | 0.3000 | 3.6 | | 15.0 | | | |
| Ethylbenzene | 0.4744<br>0.6374 | 0.5717 | 0.5862 | 0.5799 | 0.6187 | Ave | | 0.5781 | | | | 9.8 | | 30.0 | | | |
| 1,1,1,2-Tetrachloroethane | 0.4851<br>0.4613 | 0.5122 | 0.4880 | 0.4526 | 0.4535 | Ave | | 0.4754 | | | | 5.0 | | 15.0 | | | |
| m-Xylene & p-Xylene | 0.5135<br>0.7967 | 0.6702 | 0.7292 | 0.7176 | 0.7681 | Ave | | 0.6992 | | | | 14.4 | | 15.0 | | | |
| o-Xylene | 0.4740<br>0.7884 | 0.6195 | 0.6991 | 0.7147 | 0.7774 | LinF | | 0.7862 | | | | | | | 0.9998 | | 0.9900 |
| Bromoform | 0.2873<br>0.3225 | 0.3203 | 0.3040 | 0.3007 | 0.3085 | Ave | | 0.3072 | | | 0.1000 | 4.3 | | 15.0 | | | |
| Styrene | 0.7218<br>1.3330 | 0.9194 | 1.0822 | 1.1349 | 1.2510 | LinF | | 1.3206 | | | | | | | 0.9990 | | 0.9900 |
| n-Butyl acrylate | 0.1954<br>0.3921 | 0.2748 | 0.2797 | 0.3166 | 0.3577 | LinF | | 0.3871 | | | | | | | 0.9980 | | 0.9900 |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Isopropylbenzene | 1.0783<br>2.1345 | 1.7152 | 1.9687 | 1.9471 | 2.1223 | LinF | | 2.1311 | | | | | | | 0.9999 | | 0.9900 |
| Camphene | 0.3594<br>0.7114 | 0.4758 | 0.5969 | 0.6304 | 0.6686 | LinF | | 0.7051 | | | | | | | 0.9991 | | 0.9900 |
| Amyl acetate (mixed isomers) | 0.3711<br>0.6452 | 0.5404 | 0.4983 | 0.5426 | 0.5796 | LinF | | 0.6361 | | | | | | | 0.9977 | | 0.9900 |
| Bromobenzene | 1.0130<br>0.9384 | 0.9883 | 0.9294 | 0.9014 | 0.8867 | Ave | | 0.9429 | | | | 5.2 | | 15.0 | | | |
| N-Propylbenzene | 3.4927<br>5.0717 | 4.6828 | 5.0385 | 4.7965 | 5.0540 | Ave | | 4.6894 | | | | 13.0 | | 15.0 | | | |
| 1,1,2,2-Tetrachloroethane | 1.4007<br>1.2477 | 1.4312 | 1.3522 | 1.2712 | 1.2127 | Ave | | 1.3193 | | | 0.3000 | 6.7 | | 15.0 | | | |
| 2-Chlorotoluene | 2.4730<br>3.0538 | 2.8015 | 2.8868 | 2.7882 | 2.9118 | Ave | | 2.8192 | | | | 6.9 | | 15.0 | | | |
| 1,2,3-Trichloropropane | 0.3836<br>0.3469 | 0.3756 | 0.3742 | 0.3543 | 0.3383 | Ave | | 0.3622 | | | | 5.0 | | 15.0 | | | |
| 1,3,5-Trimethylbenzene | 2.1328<br>3.7695 | 2.9847 | 3.4896 | 3.3542 | 3.5915 | LinF | | 3.7425 | | | | | | | 0.9994 | | 0.9900 |
| trans-1,4-Dichloro-2-butene | 0.3118<br>0.3487 | 0.4017 | 0.3393 | 0.3564 | 0.3309 | Ave | | 0.3481 | | | | 8.7 | | 15.0 | | | |
| 4-Chlorotoluene | 2.2096<br>2.9335 | 2.7224 | 2.8044 | 2.7002 | 2.7890 | Ave | | 2.6932 | | | | 9.3 | | 15.0 | | | |
| tert-Butylbenzene | 1.4997<br>2.9920 | 2.3563 | 2.7256 | 2.6559 | 2.8829 | LinF | | 2.9746 | | | | | | | 0.9996 | | 0.9900 |
| Butyl Methacrylate | 0.6269<br>1.4139 | 1.0471 | 1.1156 | 1.2083 | 1.3058 | LinF | | 1.3982 | | | | | | | 0.9986 | | 0.9900 |
| 1,2,4-Trimethylbenzene | 2.0928<br>3.7885 | 3.2211 | 3.5934 | 3.4387 | 3.6834 | LinF | | 3.7715 | | | | | | | 0.9998 | | 0.9900 |
| sec-Butylbenzene | 2.2560<br>4.8638 | 4.3743 | 4.8624 | 4.4581 | 4.9033 | LinF | | 4.8660 | | | | | | | 0.9999 | | 0.9900 |
| 4-Isopropyltoluene | 1.8177<br>3.9582 | 3.1336 | 3.7101 | 3.5612 | 3.9050 | LinF | | 3.9476 | | | | | | | 0.9998 | | 0.9900 |
| 1,3-Dichlorobenzene | 1.7121<br>1.7799 | 1.8848 | 1.8263 | 1.7214 | 1.7212 | Ave | | 1.7743 | | | | 3.9 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.9008<br>1.8151 | 2.0055 | 1.8591 | 1.7371 | 1.7375 | Ave | | 1.8425 | | | | 5.6 | | 15.0 | | | |
| 2-Octanone | 1.2772<br>2.3203 | 1.8363 | 1.6673 | 1.9059 | 2.0686 | LinF | | 2.2855 | | | | | | | 0.9973 | | 0.9900 |
| Benzyl chloride | 3.7627<br>6.1293 | 6.0111 | 6.0181 | 5.6665 | 5.9681 | LinF | | 6.1039 | | | | | | | 0.9998 | | 0.9900 |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| n-Butylbenzene | 3.7627<br>6.1293 | 6.0111 | 6.0181 | 5.6665 | 5.9681 | LinF | | 6.1039 | | | | | | | 0.9998 | | 0.9900 |
| 1,2-Dichlorobenzene | 1.8457<br>1.8371 | 1.8881 | 1.8747 | 1.7791 | 1.7878 | Ave | | 1.8354 | | | | 2.4 | | 15.0 | | | |
| 1,2-Dibromo-3-Chloropropane | 0.2855<br>0.2650 | 0.2523 | 0.2462 | 0.2513 | 0.2384 | Ave | | 0.2565 | | | | 6.5 | | 15.0 | | | |
| Hexachlorobutadiene | 0.3727<br>0.6031 | 0.6270 | 0.6211 | 0.5107 | 0.5462 | LinF | | 0.5953 | | | | | | | 0.9981 | | 0.9900 |
| 1,2,4-Trichlorobenzene | 1.1399<br>1.3235 | 1.1948 | 1.2254 | 1.1866 | 1.1823 | Ave | | 1.2087 | | | | 5.2 | | 15.0 | | | |
| Camphor | 0.0814<br>+++++ | 0.1001 | 0.1000 | 0.1237 | 0.1508 | LinF | | 0.1491 | | | | | | | 0.9955 | | 0.9900 |
| Naphthalene | 2.5239<br>3.7241 | 2.7367 | 3.5071 | 3.5367 | 3.4693 | LinF | | 3.6895 | | | | | | | 0.9991 | | 0.9900 |
| 1,2,3-Trichlorobenzene | 1.0831<br>1.2844 | 1.2745 | 1.2781 | 1.1941 | 1.1562 | Ave | | 1.2117 | | | | 6.8 | | 15.0 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 0.3268<br>0.3444 | 0.3204 | 0.3223 | 0.3167 | 0.3200 | Ave | | 0.3251 | | | | 3.1 | | 15.0 | | | |
| Toluene-d8 (Surr) | 1.1348<br>1.0640 | 1.1466 | 1.1359 | 1.1010 | 1.0702 | Ave | | 1.1087 | | | | 3.2 | | 15.0 | | | |
| 4-Bromofluorobenzene | 0.7302<br>0.7695 | 0.7499 | 0.7581 | 0.7465 | 0.7210 | Ave | | 0.7459 | | | | 2.4 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17450/4 | d12711.d |
| Level 2 | IC 460-17450/3 | d12709.d |
| Level 3 | ICIS 460-17450/21 | d12707.d |
| Level 4 | IC 460-17450/22 | d12712.d |
| Level 5 | IC 460-17450/6 | d12713.d |
| Level 6 | IC 460-17450/7 | d12714.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Dichlorodifluoromethane | FB | Ave | 2356<br>1851228 | 16019 | 63589 | 168706 | 730736 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chloromethane | FB | Ave | 4940<br>2757716 | 24817 | 99240 | 228546 | 1039616 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Vinyl chloride | FB | Ave | 4966<br>2808622 | 24876 | 105770 | 248008 | 1105949 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Bromomethane | FB | Ave | 3140<br>1626786 | 15873 | 60626 | 147049 | 629383 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chloroethane | FB | Ave | 2805<br>1399378 | 14240 | 55035 | 134754 | 539810 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Pentane | FB | Ave | 536<br>259463 | 2295 | 10797 | 26228 | 96535 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Trichlorofluoromethane | FB | Ave | 5025<br>2742347 | 24117 | 110765 | 264576 | 1073462 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Methyl-1,3-butadiene | FB | Ave | 5138<br>2871703 | 24546 | 103572 | 255846 | 1082771 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethyl ether | FB | Ave | 3423<br>1598235 | 17425 | 64065 | 151502 | 623132 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1-Dichloroethene | FB | Ave | 2516<br>1557778 | 13383 | 57127 | 127108 | 584763 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Carbon disulfide | FB | Ave | 13559<br>7798494 | 67977 | 278788 | 689159 | 2905281 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha<br>ne | FB | Ave | 3572<br>2014107 | 16635 | 73219 | 177213 | 754835 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethanol | FB | QuaF | 30444<br>247266 | 62138 | 88059 | 118119 | 181222 | 1000<br>6000 | 2000 | 3000 | 4000 | 5000 |
| Iodomethane | FB | Ave | 5431<br>2973692 | 28701 | 108371 | 264565 | 1079869 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropyl alcohol | FB | Ave | 295824<br>2358338 | 608466 | 877405 | 1151696 | 1724472 | 1000<br>6000 | 2000 | 3000 | 4000 | 5000 |
| Methylene Chloride | FB | Ave | 3155<br>1945994 | 16903 | 67644 | 158583 | 683745 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Acetone | FB | LinF | 4616<br>218199 | 9868 | 11336 | 27108 | 86358 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| trans-1,2-Dichloroethene | FB | Ave | 2474<br>1621868 | 14050 | 55305 | 127104 | 572278 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Methyl acetate | FB | Ave | 846<br>650673 | 5588 | 20681 | 53033 | 220518 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Hexane | FB | Ave | 2446<br>1447437 | 12925 | 53320 | 127357 | 526426 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Methyl tert-butyl ether | FB | Ave | 8233<br>5734111 | 46279 | 175162 | 438116 | 1938459 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Methyl-2-propanol | FB | Ave | 8883<br>6426084 | 52778 | 171432 | 456414 | 2098631 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |
| Acetonitrile | FB | LinF | 1638<br>1932707 | 14748 | 59203 | 141308 | 700536 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |
| Isopropyl ether | FB | Ave | 10725<br>6836759 | 54569 | 201202 | 525968 | 2353040 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1-Dichloroethane | FB | Ave | 4816<br>3209849 | 27591 | 108753 | 253358 | 1136727 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Acrylonitrile | FB | Ave | 2565<br>363783 | 13561 | 28825 | 73511 | 145459 | 2.00<br>200 | 10.0 | 20.0 | 50.0 | 100 |
| Tert-butyl ethyl ether | FB | Ave | 6878<br>6554616 | 43139 | 182181 | 561989 | 2267205 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Vinyl acetate | FB | Ave | 3972<br>2557084 | 17490 | 75498 | 224832 | 939497 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| cis-1,2-Dichloroethene | FB | Ave | 2644<br>1837873 | 15406 | 60996 | 142919 | 644781 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2,2-Dichloropropane | FB | Ave | 3581<br>2427285 | 21426 | 88575 | 189462 | 865039 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Cyclohexane | FB | Ave | 5357<br>4016892 | 26071 | 114269 | 299997 | 1359484 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chlorobromomethane | FB | Ave | 1281<br>895339 | 7482 | 30538 | 71344 | 316989 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chloroform | FB | Ave | 4723<br>3088158 | 26761 | 103707 | 240914 | 1065089 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Carbon tetrachloride | FB | LinF | 2459<br>2798068 | 19160 | 77179 | 206500 | 956698 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethyl acetate | FB | Ave | 478<br>484767 | 3399 | 13514 | 34523 | 154428 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| Tetrahydrofuran | FB | Ave | 1614<br>1101794 | 8658 | 29848 | 80295 | 357564 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,1-Trichloroethane | FB | Ave | 3792<br>2833915 | 21536 | 89885 | 207170 | 960579 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,1-Dichloropropene | FB | Ave | 2981<br>2359565 | 17095 | 70396 | 168396 | 809021 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Butanone (MEK) | FB | LinF | 3228<br>360923 | 6065 | 9836 | 26522 | 120229 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| n-Heptane | FB | Ave | 1643<br>1223373 | 7685 | 36527 | 94587 | 423514 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Benzene | CBZ | Ave | 9580<br>7120583 | 55862 | 223919 | 538050 | 2467091 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Tert-amyl methyl ether | FB | Ave | 6171<br>5830679 | 37776 | 152081 | 404403 | 1906467 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichloroethane | FB | Ave | 3604<br>2455850 | 20367 | 79811 | 193893 | 843614 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropyl acetate | FB | Ave | 10724<br>9200046 | 64499 | 239173 | 655399 | 3024037 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| Methylcyclohexane | FB | Ave | 3831<br>3468398 | 19790 | 94544 | 253305 | 1167510 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Trichloroethene | FB | Ave | 2336<br>1790627 | 13721 | 52708 | 128879 | 609210 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Dibromomethane | FB | Ave | 1539<br>1170869 | 9486 | 38100 | 92772 | 405516 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butanol | FB | QuaF | 40359<br>479146 | 92807 | 141463 | 202428 | 324962 | 500<br>3000 | 1000 | 1500 | 2000 | 2500 |
| 1,2-Dichloropropane | FB | Ave | 2579<br>1936881 | 15273 | 60917 | 147192 | 664289 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethyl acrylate | FB | Ave | 3109<br>2738110 | 18129 | 63756 | 181770 | 863806 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Dichlorobromomethane | FB | Ave | 3371<br>2576681 | 19453 | 77887 | 187907 | 860175 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Methyl methacrylate | FB | LinF | 339<br>491197 | 3294 | 12355 | 34068 | 160272 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,4-Dioxane | FB | Ave | 35608<br>339992 | 80617 | 119755 | 162121 | 246242 | 1000<br>6000 | 2000 | 3000 | 4000 | 5000 |
| n-Propyl acetate | FB | Ave | 9499<br>6764227 | 46076 | 171512 | 473390 | 2184476 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| 2-Chloroethyl vinyl ether | FB | LinF | 1121<br>1366661 | 7607 | 30594 | 90822 | 441063 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| cis-1,3-Dichloropropene | CBZ | Ave | 3091<br>3053235 | 18696 | 82624 | 210349 | 1005400 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Toluene | CBZ | Ave | 11230<br>7278047 | 55152 | 214666 | 525335 | 2515973 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Epichlorohydrin | CBZ | Ave | 6213<br>5367518 | 36430 | 135321 | 374817 | 1767796 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Tetrachloroethene | CBZ | Ave | 2062<br>1621120 | 11445 | 47467 | 115215 | 555343 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Methyl-2-pentanone (MIBK) | CBZ | Ave | 24881<br>2662564 | 42707 | 60473 | 180785 | 864075 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| trans-1,3-Dichloropropene | CBZ | Ave | 2816<br>2812102 | 16883 | 71385 | 193124 | 934490 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2-Trichloroethane | CBZ | Ave | 1934<br>1387679 | 10309 | 41585 | 105717 | 464852 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chlorodibromomethane | CBZ | Ave | 2148<br>1750348 | 12579 | 51277 | 132761 | 599152 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3-Dichloropropane | CBZ | Ave | 3484<br>2742508 | 19476 | 78065 | 207053 | 941170 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethylene Dibromide | CBZ | Ave | 1950<br>1557789 | 11002 | 45045 | 119112 | 537556 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butyl acetate | CBZ | LinF | 964<br>1162614 | 5886 | 24549 | 76069 | 375174 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| 2-Hexanone | CBZ | LinF | 14199<br>1703563 | 25279 | 40567 | 118833 | 548764 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| Chlorobenzene | CBZ | Ave | 6071<br>4537691 | 32337 | 128955 | 330633 | 1553905 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethylbenzene | CBZ | Ave | 2447<br>2523197 | 15463 | 66521 | 176359 | 867641 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,1,2-Tetrachloroethane | CBZ | Ave | 2502<br>1826063 | 13855 | 55373 | 137635 | 635991 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| m-Xylene & p-Xylene | CBZ | Ave | 5297<br>6307733 | 36254 | 165496 | 436452 | 2154411 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| o-Xylene | CBZ | LinF | 2445<br>3120947 | 16757 | 79331 | 217344 | 1090214 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Bromoform | CBZ | Ave | 1482<br>1276601 | 8665 | 34502 | 91443 | 432708 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Styrene | CBZ | LinF | 3723<br>5276568 | 24869 | 122804 | 345117 | 1754482 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butyl acrylate | CBZ | LinF | 1008<br>1552078 | 7432 | 31736 | 96266 | 501632 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropylbenzene | CBZ | LinF | 5562<br>8449444 | 46394 | 223402 | 592127 | 2976384 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Camphene | CBZ | LinF | 1854<br>2816030 | 12871 | 67732 | 191702 | 937679 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Amyl acetate (mixed isomers) | DCB | LinF | 889<br>1313673 | 7158 | 27197 | 82500 | 419449 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Bromobenzene | DCB | Ave | 2427<br>1910705 | 13092 | 50729 | 137044 | 641679 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| N-Propylbenzene | DCB | Ave | 8368<br>10326434 | 62031 | 274997 | 729267 | 3657623 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2,2-Tetrachloroethane | DCB | Ave | 3356<br>2540388 | 18959 | 73803 | 193280 | 877618 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Chlorotoluene | DCB | Ave | 5925<br>6217867 | 37110 | 157562 | 423914 | 2107303 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,3-Trichloropropane | DCB | Ave | 919<br>706416 | 4976 | 20426 | 53869 | 244851 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3,5-Trimethylbenzene | DCB | LinF | 5110<br>7675012 | 39537 | 190461 | 509971 | 2599161 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| trans-1,4-Dichloro-2-butene | DCB | Ave | 747<br>709915 | 5321 | 18521 | 54194 | 239438 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Chlorotoluene | DCB | Ave | 5294<br>5972917 | 36063 | 153063 | 410535 | 2018402 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| tert-Butylbenzene | DCB | LinF | 3593<br>6092057 | 31213 | 148763 | 403800 | 2086369 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Butyl Methacrylate | DCB | LinF | 1502<br>2878867 | 13871 | 60891 | 183704 | 945006 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,4-Trimethylbenzene | DCB | LinF | 5014<br>7713858 | 42669 | 196128 | 522813 | 2665678 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| sec-Butylbenzene | DCB | LinF | 5405<br>9903245 | 57944 | 265389 | 677812 | 3548554 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Isopropyltoluene | DCB | LinF | 4355<br>8059295 | 41510 | 202495 | 541450 | 2826037 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3-Dichlorobenzene | DCB | Ave | 4102<br>3624118 | 24967 | 99677 | 261726 | 1245605 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,4-Dichlorobenzene | DCB | Ave | 4554<br>3695697 | 26566 | 101468 | 264107 | 1257469 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Octanone | DCB | LinF | 3060<br>4724360 | 24325 | 91002 | 289777 | 1497039 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Benzyl chloride | DCB | LinF | 9015<br>12479810 | 79627 | 328467 | 861540 | 4319148 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butylbenzene | DCB | LinF | 9015<br>12479810 | 79627 | 328467 | 861540 | 4319148 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichlorobenzene | DCB | Ave | 4422<br>3740474 | 25011 | 102320 | 270493 | 1293836 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dibromo-3-Chloropropane | DCB | Ave | 684<br>539593 | 3342 | 13436 | 38215 | 172529 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Hexachlorobutadiene | DCB | LinF | 893<br>1227939 | 8305 | 33901 | 77652 | 395271 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,4-Trichlorobenzene | DCB | Ave | 2731<br>2694756 | 15827 | 66881 | 180405 | 855612 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17450

SDG No.:

Instrument ID: VOAMS4 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 05:57 Calibration End Date: 09/21/2009 08:47 Calibration ID: 3158

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Camphor | DCB | LinF | 975<br>+++++ | 6627 | 27298 | 94072 | 545662 | 5.00<br>+++++ | 25.0 | 100 | 250 | 1000 |
| Naphthalene | DCB | LinF | 6047<br>7582618 | 36252 | 191415 | 537721 | 2510743 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,3-Trichlorobenzene | DCB | Ave | 2595<br>2615206 | 16883 | 69759 | 181550 | 836746 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Ave | 127771<br>181612 | 132306 | 136003 | 132980 | 148807 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| Toluene-d8 (Surr) | CBZ | Ave | 292657<br>421203 | 310137 | 322237 | 334810 | 375228 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 4-Bromofluorobenzene | DCB | Ave | 87475<br>156680 | 99340 | 103445 | 113496 | 130453 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12709.d
Report Date: 23-Sep-2009 10:53

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12709.d
Lab Smp Id: IC-VM8LCAL2
Inj Date : 21-SEP-2009 06:46
Operator : Inst ID: VOAMS4.i
Smp Info : IC-VM8LCAL2
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/8260_09.m
Meth Date : 23-Sep-2009 10:53 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 06:46 Cal File: d12709.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 1.317 | 1.311 | (0.271) | 16019 | 5.00000 | 5.3 |
| 3 Chloromethane | 50 | 1.411 | 1.411 | (0.291) | 24817 | 5.00000 | 5.2 |
| 4 Vinyl Chloride | 62 | 1.488 | 1.488 | (0.307) | 24876 | 5.00000 | 5.0 |
| 6 Bromomethane | 94 | 1.700 | 1.694 | (0.350) | 15873 | 5.00000 | 5.4 |
| 5 Chloroethane | 64 | 1.770 | 1.764 | (0.365) | 14240 | 5.00000 | 5.4 |
| 7 Trichlorofluoromethane | 101 | 1.888 | 1.876 | (0.389) | 24117 | 5.00000 | 4.8 |
| 8 n-Pentane | 72 | 1.847 | 1.853 | (0.381) | 2295 | 5.00000 | 4.7(a) |
| 9 Ethanol | 46 | 2.288 | 2.276 | (0.471) | 62138 | 2000.00 | 2100 |
| 10 Isoprene | 67 | 2.064 | 2.058 | (0.425) | 24546 | 5.00000 | 5.0 |
| 11 Ethyl Ether | 59 | 2.082 | 2.076 | (0.429) | 17425 | 5.00000 | 5.6 |
| 15 1,1-Dichloroethene | 96 | 2.223 | 2.211 | (0.458) | 13383 | 5.00000 | 5.1 |
| 14 Freon TF | 101 | 2.276 | 2.270 | (0.469) | 16635 | 5.00000 | 4.8 |
| 16 Acetone | 58 | 2.699 | 2.688 | (0.556) | 9868 | 15.0000 | 28 |
| 17 Iodomethane | 142 | 2.323 | 2.317 | (0.479) | 28701 | 5.00000 | 5.5 |
| 18 Carbon Disulfide | 76 | 2.235 | 2.235 | (0.461) | 67977 | 5.00000 | 5.1 |
| 19 Isopropanol | 45 | 2.635 | 2.629 | (0.543) | 608466 | 2000.00 | 2000 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12709.d
Report Date: 23-Sep-2009 10:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 3.058 | 3.047 | (0.630) | 14748 | 100.000 | 97 |
| | 27 Methyl Acetate | 74 | 2.782 | 2.782 | (0.573) | 5588 | 5.00000 | 5.5 |
| | 22 Methylene Chloride | 84 | 2.641 | 2.641 | (0.544) | 16903 | 5.00000 | 5.3 |
| | 24 TBA | 59 | 2.988 | 2.982 | (0.616) | 52778 | 100.000 | 110 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.758 | 2.753 | (0.568) | 14050 | 5.00000 | 5.4 |
| | 26 Acrylonitrile | 53 | 3.294 | 3.288 | (0.679) | 13561 | 10.0000 | 9.8 |
| | 28 MTBE | 73 | 2.864 | 2.858 | (0.590) | 46279 | 5.00000 | 5.3 |
| | 29 Hexane | 56 | 2.817 | 2.805 | (0.581) | 12925 | 5.00000 | 5.2 |
| | 30 1,1-Dichloroethane | 63 | 3.241 | 3.235 | (0.668) | 27591 | 5.00000 | 5.3 |
| | 31 Vinyl Acetate | 43 | 3.464 | 3.458 | (0.714) | 17490 | 5.00000 | 4.4 |
| | 32 DIPE | 45 | 3.164 | 3.158 | (0.652) | 54569 | 5.00000 | 5.1 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.458 | 3.453 | (0.713) | 43139 | 5.00000 | 4.6 |
| | 37 2,2-Dichloropropane | 77 | 3.788 | 3.782 | (0.781) | 21426 | 5.00000 | 5.4 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.688 | 3.682 | (0.760) | 15406 | 5.00000 | 5.3 |
| | 38 2-Butanone | 72 | 4.217 | 4.205 | (0.869) | 6065 | 15.0000 | 11 |
| | 39 Ethyl Acetate | 70 | 4.058 | 4.058 | (0.836) | 3399 | 10.0000 | 10 |
| | 40 Bromochloromethane | 128 | 3.852 | 3.852 | (0.794) | 7482 | 5.00000 | 5.2 |
| | 41 Tetrahydrofuran | 42 | 4.070 | 4.058 | (0.839) | 8658 | 5.00000 | 5.3 |
| | 42 Chloroform | 83 | 3.929 | 3.923 | (0.810) | 26761 | 5.00000 | 5.4 |
| | 43 1,1,1-Trichloroethane | 97 | 4.099 | 4.100 | (0.845) | 21536 | 5.00000 | 5.1 |
| | 44 Cyclohexane | 56 | 3.846 | 3.847 | (0.793) | 26071 | 5.00000 | 4.5 |
| | 45 Carbon Tetrachloride | 117 | 4.035 | 4.035 | (0.832) | 19160 | 5.00000 | 4.4 |
| | 46 1,1-Dichloropropene | 75 | 4.205 | 4.205 | (0.867) | 17095 | 5.00000 | 5.0 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.570 | (0.943) | 132306 | 50.0000 | 49 |
| | 48 Benzene | 78 | 4.441 | 4.435 | (0.541) | 55862 | 5.00000 | 5.5 |
| | 49 1,2-Dichloroethane | 62 | 4.641 | 4.635 | (0.956) | 20367 | 5.00000 | 5.3 |
| | 51 n-Heptane | 57 | 4.423 | 4.423 | (0.912) | 7685 | 5.00000 | 4.3(a) |
| | 50 t-Amyl-methyl-ether | 73 | 4.582 | 4.576 | (0.944) | 37776 | 5.00000 | 4.8 |
| | 61 Isopropyl Acetate | 43 | 4.941 | 4.935 | (1.018) | 64499 | 10.0000 | 10 |
| * | 52 Fluorobenzene | 96 | 4.852 | 4.847 | (1.000) | 412925 | 50.0000 | |
| | 54 Trichloroethene | 95 | 5.011 | 5.011 | (1.033) | 13721 | 5.00000 | 5.2 |
| | 53 n-Butanol | 56 | 5.458 | 5.452 | (1.125) | 92807 | 1000.00 | 1000 |
| | 56 Methyl cyclohexane | 83 | 4.993 | 4.999 | (1.029) | 19790 | 5.00000 | 4.2 |
| | 55 Ethyl Acrylate | 55 | 5.646 | 5.641 | (1.164) | 18129 | 5.00000 | 5.0 |
| | 57 1,2-Dichloropropane | 63 | 5.564 | 5.564 | (1.147) | 15273 | 5.00000 | 5.2 |
| | 58 Dibromomethane | 93 | 5.458 | 5.452 | (1.125) | 9486 | 5.00000 | 5.2 |
| | 60 1,4-Dioxane | 88 | 5.899 | 5.882 | (1.216) | 80617 | 2000.00 | 2000 |
| | 59 Methyl Methacrylate | 100 | 5.876 | 5.864 | (1.211) | 3294 | 5.00000 | 4.3 |
| | 75 Propyl Acetate | 43 | 6.052 | 6.046 | (1.247) | 46076 | 10.0000 | 9.7 |
| | 68 Bromodichloromethane | 83 | 5.658 | 5.652 | (1.166) | 19453 | 5.00000 | 5.1 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 6.352 | 6.346 | (1.309) | 7607 | 5.00000 | 3.6 |
| | 63 Epichlorohydrin | 57 | 6.705 | 6.699 | (0.817) | 36430 | 100.000 | 110 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.382 | 6.382 | (0.778) | 18696 | 5.00000 | 4.9 |
| | 70 4-Methyl-2-Pentanone | 43 | 7.146 | 7.146 | (0.871) | 42707 | 15.0000 | 14 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.605 | 6.599 | (0.805) | 310137 | 50.0000 | 52 |
| | 66 Toluene | 91 | 6.664 | 6.658 | (0.812) | 55152 | 5.00000 | 5.3 |
| | 64 trans-1,3-Dichloropropene | 75 | 7.164 | 7.164 | (0.873) | 16883 | 5.00000 | 4.9 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12709.d
Report Date: 23-Sep-2009 10:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 69 1,1,2-Trichloroethane | 83 | 7.323 | 7.323 | (0.892) | 10309 | 5.00000 | 5.3 |
| | 71 Tetrachloroethene | 166 | 7.087 | 7.088 | (0.864) | 11445 | 5.00000 | 5.2 |
| | 72 1,3-Dichloropropane | 76 | 7.593 | 7.593 | (0.925) | 19476 | 5.00000 | 5.2 |
| | 73 2-Hexanone | 43 | 7.993 | 7.993 | (0.974) | 25279 | 15.0000 | 11 |
| | 74 Dibromochloromethane | 129 | 7.493 | 7.493 | (0.913) | 12579 | 5.00000 | 5.3 |
| | 76 Butyl Acetate | 73 | 7.934 | 7.935 | (0.967) | 5886 | 10.0000 | 7.5 |
| | 77 1,2-Dibromoethane | 107 | 7.705 | 7.699 | (0.939) | 11002 | 5.00000 | 5.2 |
| * | 78 Chlorobenzene-d5 | 117 | 8.205 | 8.205 | (1.000) | 270487 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.223 | 8.217 | (1.002) | 32337 | 5.00000 | 5.2 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.293 | 8.293 | (1.011) | 13855 | 5.00000 | 5.4 |
| | 81 Ethylbenzene | 106 | 8.270 | 8.270 | (1.008) | 15463 | 5.00000 | 4.9 |
| | 82 m+p-Xylene | 106 | 8.405 | 8.405 | (1.024) | 36254 | 10.0000 | 9.6 |
| | 84 o-Xylene | 106 | 8.776 | 8.776 | (1.070) | 16757 | 5.00000 | 3.9 |
| | 85 Styrene | 104 | 8.823 | 8.823 | (1.075) | 24869 | 5.00000 | 3.5 |
| | 83 Butyl Acrylate | 73 | 8.976 | 8.976 | (1.094) | 7432 | 5.00000 | 3.5 |
| | 86 Bromoform | 173 | 8.823 | 8.823 | (1.075) | 8665 | 5.00000 | 5.2 |
| | 87 Amyl Acetate | 43 | 9.193 | 9.193 | (0.907) | 7158 | 5.00000 | 4.2 |
| | 88 Isopropylbenzene | 105 | 9.046 | 9.046 | (1.103) | 46394 | 5.00000 | 4.0 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 99340 | 50.0000 | 50 |
| | 90 Camphene (total) | 93 | 9.123 | 9.123 | (1.112) | 12871 | 5.00000 | 3.4 |
| | 91 Bromobenzene | 156 | 9.334 | 9.334 | (0.921) | 13092 | 5.00000 | 5.2 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.458 | 9.452 | (0.933) | 18959 | 5.00000 | 5.4 |
| | 93 1,2,3-Trichloropropane | 110 | 9.546 | 9.546 | (0.942) | 4976 | 5.00000 | 5.2 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.587 | 9.587 | (0.946) | 5321 | 5.00000 | 5.8 |
| | 95 n-Propylbenzene | 91 | 9.381 | 9.382 | (0.926) | 62031 | 5.00000 | 5.0 |
| | 96 2-Chlorotoluene | 91 | 9.493 | 9.493 | (0.937) | 37110 | 5.00000 | 5.0 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.546 | 9.546 | (0.942) | 39537 | 5.00000 | 4.0 |
| | 98 4-Chlorotoluene | 91 | 9.628 | 9.623 | (0.950) | 36063 | 5.00000 | 5.0 |
| | 99 Butyl Methacrylate | 87 | 9.805 | 9.805 | (0.967) | 13871 | 5.00000 | 3.7 |
| | 100 tert-Butylbenzene | 119 | 9.787 | 9.787 | (0.966) | 31213 | 5.00000 | 4.0 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.846 | 9.846 | (0.972) | 42669 | 5.00000 | 4.3 |
| | 102 2-Octanone | 43 | 10.252 | 10.252 | (1.012) | 24325 | 5.00000 | 4.0 |
| | 103 sec-Butylbenzene | 105 | 9.928 | 9.923 | (0.980) | 57944 | 5.00000 | 4.5 |
| | 104 2-Octanol | 45 | 10.128 | 10.129 | (0.999) | 8195 | 5.00000 | 3.8(a) |
| | 105 1,3-Dichlorobenzene | 146 | 10.075 | 10.076 | (0.994) | 24967 | 5.00000 | 5.3 |
| | 107 p-Isopropyltoluene | 119 | 10.040 | 10.040 | (0.991) | 41510 | 5.00000 | 4.0 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 132466 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 10.146 | 10.146 | (1.001) | 26566 | 5.00000 | 5.4 |
| | 110 Benzyl Chloride | 91 | 10.352 | 10.352 | (1.021) | 79627 | 5.00000 | 4.9 |
| | 106 n-Butylbenzene | 91 | 10.352 | 10.352 | (1.021) | 79627 | 5.00000 | 4.9 |
| | 111 1,2-Dichlorobenzene | 146 | 10.458 | 10.458 | (1.032) | 25011 | 5.00000 | 5.1 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 11.046 | 11.046 | (1.090) | 3342 | 5.00000 | 4.9 |
| | 113 Camphor | 95 | 11.734 | 11.734 | (1.158) | 6627 | 25.0000 | 17 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.528 | 11.528 | (1.138) | 15827 | 5.00000 | 4.9 |
| | 115 Hexachlorobutadiene | 225 | 11.511 | 11.511 | (1.136) | 8305 | 5.00000 | 5.3 |
| | 116 Naphthalene | 128 | 11.758 | 11.758 | (1.160) | 36252 | 5.00000 | 3.7 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.887 | 11.887 | (1.173) | 16883 | 5.00000 | 5.2 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12709.d
Report Date: 23-Sep-2009 10:53

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 29456 | 10.0000 | 11 |
| M 121 Xylene (Total) | 100 | | | | 53011 | 15.0000 | 12 |

QC Flag Legend

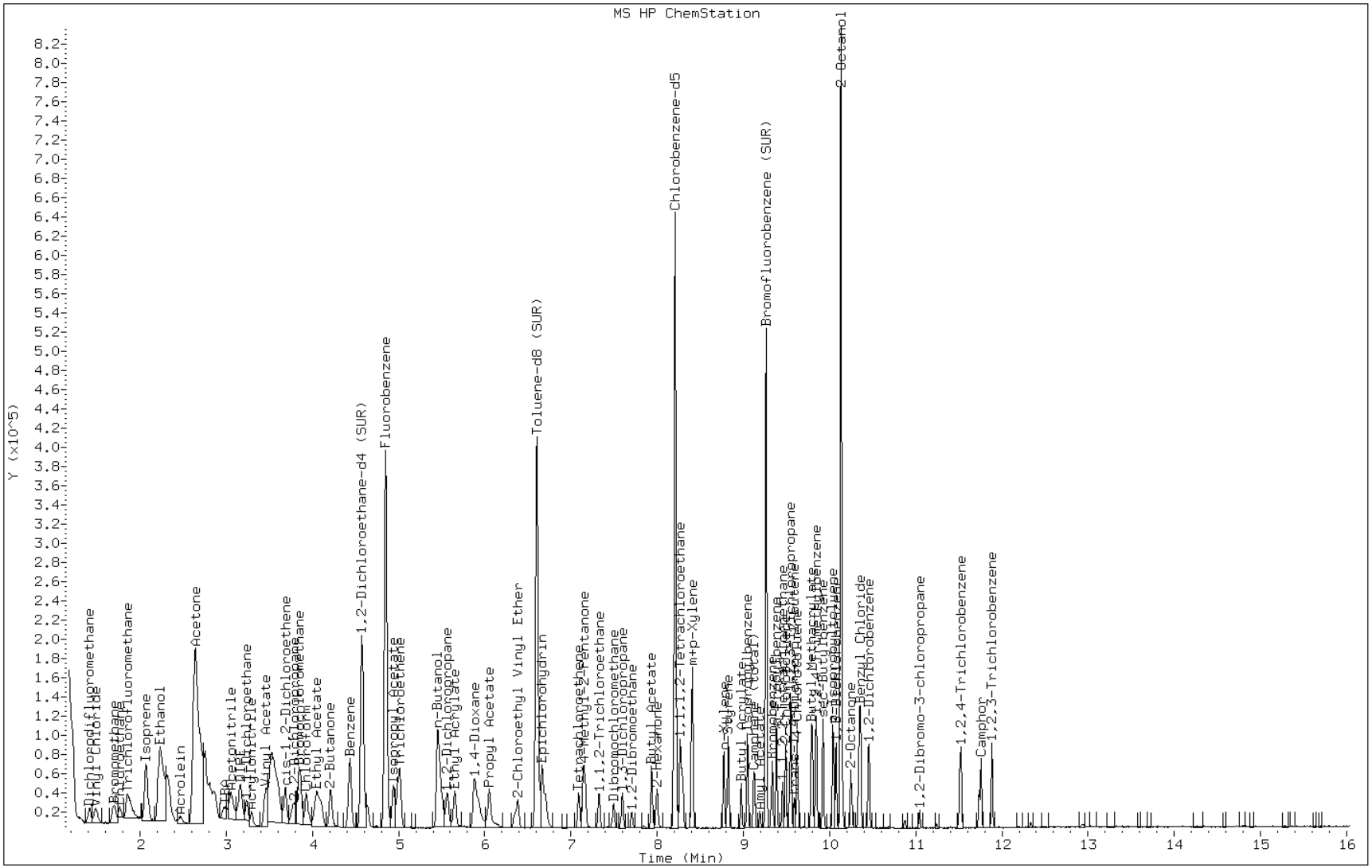
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: d12709.d

Date: 21-SEP-2009 06:46

Client ID: Instrument: VOAMS4.i

Sample Info: IC-VM8LCAL2 Operator:



Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12711.d
Report Date: 23-Sep-2009 10:53

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12711.d
Lab Smp Id: IC-VM8LCAL1
Inj Date : 21-SEP-2009 07:34
Operator : Inst ID: VOAMS4.i
Smp Info : IC-VM8LCAL1
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/8260_09.m
Meth Date : 23-Sep-2009 10:53 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 07:34 Cal File: d12711.d
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 1.311 | 1.311 | (0.271) | 2356 | 1.00000 | 0.82(a) |
| 3 Chloromethane | 50 | 1.405 | 1.411 | (0.290) | 4940 | 1.00000 | 1.1 |
| 4 Vinyl Chloride | 62 | 1.482 | 1.488 | (0.306) | 4966 | 1.00000 | 1.1 |
| 6 Bromomethane | 94 | 1.682 | 1.694 | (0.347) | 3140 | 1.00000 | 1.1 |
| 5 Chloroethane | 64 | 1.758 | 1.764 | (0.363) | 2805 | 1.00000 | 1.1 |
| 7 Trichlorofluoromethane | 101 | 1.876 | 1.876 | (0.387) | 5025 | 1.00000 | 1.1 |
| 8 n-Pentane | 72 | 1.835 | 1.853 | (0.379) | 536 | 1.00000 | 1.2(a) |
| 9 Ethanol | 46 | 2.323 | 2.276 | (0.479) | 30444 | 1000.00 | 1100(M) |
| 10 Isoprene | 67 | 2.052 | 2.058 | (0.423) | 5138 | 1.00000 | 1.1 |
| 11 Ethyl Ether | 59 | 2.076 | 2.076 | (0.428) | 3423 | 1.00000 | 1.2 |
| 15 1,1-Dichloroethene | 96 | 2.205 | 2.211 | (0.455) | 2516 | 1.00000 | 1.0 |
| 14 Freon TF | 101 | 2.258 | 2.270 | (0.466) | 3572 | 1.00000 | 1.1 |
| 16 Acetone | 58 | 2.693 | 2.688 | (0.556) | 4616 | 10.0000 | 14 |
| 17 Iodomethane | 142 | 2.311 | 2.317 | (0.477) | 5431 | 1.00000 | 1.1 |
| 18 Carbon Disulfide | 76 | 2.229 | 2.235 | (0.460) | 13559 | 1.00000 | 1.1 |
| 19 Isopropanol | 45 | 2.629 | 2.629 | (0.542) | 295824 | 1000.00 | 1000 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12711.d
Report Date: 23-Sep-2009 10:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 3.046 | 3.047 | (0.629) | 1638 | 20.0000 | 11(a) |
| | 27 Methyl Acetate | 74 | 2.788 | 2.782 | (0.575) | 846 | 1.00000 | 0.88(a) |
| | 22 Methylene Chloride | 84 | 2.641 | 2.641 | (0.545) | 3155 | 1.00000 | 1.0 |
| | 24 TBA | 59 | 2.970 | 2.982 | (0.613) | 8883 | 20.0000 | 20 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.746 | 2.753 | (0.567) | 2474 | 1.00000 | 1.00 |
| | 26 Acrylonitrile | 53 | 3.288 | 3.288 | (0.678) | 2565 | 2.00000 | 2.0 |
| | 28 MTBE | 73 | 2.858 | 2.858 | (0.590) | 8233 | 1.00000 | 0.99(a) |
| | 29 Hexane | 56 | 2.805 | 2.805 | (0.579) | 2446 | 1.00000 | 1.0 |
| | 30 1,1-Dichloroethane | 63 | 3.229 | 3.235 | (0.666) | 4816 | 1.00000 | 0.98(a) |
| | 31 Vinyl Acetate | 43 | 3.452 | 3.458 | (0.712) | 3972 | 1.00000 | 1.0(M) |
| | 32 DIPE | 45 | 3.152 | 3.158 | (0.650) | 10725 | 1.00000 | 1.1 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.452 | 3.453 | (0.712) | 6878 | 1.00000 | 0.78(a) |
| | 37 2,2-Dichloropropane | 77 | 3.770 | 3.782 | (0.778) | 3581 | 1.00000 | 0.95(a) |
| | 36 cis-1,2-Dichloroethene | 96 | 3.676 | 3.682 | (0.758) | 2644 | 1.00000 | 0.96(a) |
| | 38 2-Butanone | 72 | 4.211 | 4.205 | (0.869) | 3228 | 10.0000 | 6.1(a) |
| | 39 Ethyl Acetate | 70 | 4.064 | 4.058 | (0.839) | 478 | 2.00000 | 1.5(a) |
| | 40 Bromochloromethane | 128 | 3.846 | 3.852 | (0.794) | 1281 | 1.00000 | 0.95(a) |
| | 41 Tetrahydrofuran | 42 | 4.058 | 4.058 | (0.837) | 1614 | 1.00000 | 1.0 |
| | 42 Chloroform | 83 | 3.923 | 3.923 | (0.809) | 4723 | 1.00000 | 1.0 |
| | 43 1,1,1-Trichloroethane | 97 | 4.093 | 4.100 | (0.845) | 3792 | 1.00000 | 0.94(a) |
| | 44 Cyclohexane | 56 | 3.840 | 3.847 | (0.792) | 5357 | 1.00000 | 0.98(a) |
| | 45 Carbon Tetrachloride | 117 | 4.035 | 4.035 | (0.832) | 2459 | 1.00000 | 0.60(a) |
| | 46 1,1-Dichloropropene | 75 | 4.205 | 4.205 | (0.868) | 2981 | 1.00000 | 0.92(a) |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.570 | 4.570 | (0.943) | 127771 | 50.0000 | 50 |
| | 48 Benzene | 78 | 4.435 | 4.435 | (0.540) | 9580 | 1.00000 | 0.99(a) |
| | 49 1,2-Dichloroethane | 62 | 4.640 | 4.635 | (0.958) | 3604 | 1.00000 | 0.98(a) |
| | 51 n-Heptane | 57 | 4.417 | 4.423 | (0.911) | 1643 | 1.00000 | 0.97(a) |
| | 50 t-Amyl-methyl-ether | 73 | 4.570 | 4.576 | (0.943) | 6171 | 1.00000 | 0.83(a) |
| | 61 Isopropyl Acetate | 43 | 4.940 | 4.935 | (1.019) | 10724 | 2.00000 | 1.8(a) |
| * | 52 Fluorobenzene | 96 | 4.846 | 4.847 | (1.000) | 391028 | 50.0000 | |
| | 54 Trichloroethene | 95 | 5.011 | 5.011 | (1.034) | 2336 | 1.00000 | 0.93(a) |
| | 53 n-Butanol | 56 | 5.458 | 5.452 | (1.126) | 40359 | 500.000 | 500 |
| | 56 Methyl cyclohexane | 83 | 4.999 | 4.999 | (1.032) | 3831 | 1.00000 | 0.86(a) |
| | 55 Ethyl Acrylate | 55 | 5.640 | 5.641 | (1.164) | 3109 | 1.00000 | 0.91(a) |
| | 57 1,2-Dichloropropane | 63 | 5.558 | 5.564 | (1.147) | 2579 | 1.00000 | 0.93(Ta) |
| | 58 Dibromomethane | 93 | 5.446 | 5.452 | (1.124) | 1539 | 1.00000 | 0.90(a) |
| | 60 1,4-Dioxane | 88 | 5.887 | 5.882 | (1.215) | 35608 | 1000.00 | 920(a) |
| | 59 Methyl Methacrylate | 100 | 5.858 | 5.864 | (1.209) | 339 | 1.00000 | 0.47(a) |
| | 75 Propyl Acetate | 43 | 6.046 | 6.046 | (1.248) | 9499 | 2.00000 | 2.1 |
| | 68 Bromodichloromethane | 83 | 5.646 | 5.652 | (1.165) | 3371 | 1.00000 | 0.94(a) |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 6.340 | 6.346 | (1.308) | 1121 | 1.00000 | 0.56(a) |
| | 63 Epichlorohydrin | 57 | 6.705 | 6.699 | (0.817) | 6213 | 20.0000 | 19 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.381 | 6.382 | (0.778) | 3091 | 1.00000 | 0.86(a) |
| | 70 4-Methyl-2-Pentanone | 43 | 7.140 | 7.146 | (0.870) | 24881 | 10.0000 | 8.4(a) |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.599 | 6.599 | (0.804) | 292657 | 50.0000 | 51 |
| | 66 Toluene | 91 | 6.664 | 6.658 | (0.812) | 11230 | 1.00000 | 1.1 |
| | 64 trans-1,3-Dichloropropene | 75 | 7.158 | 7.164 | (0.872) | 2816 | 1.00000 | 0.86(a) |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12711.d
Report Date: 23-Sep-2009 10:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 69 | 1,1,2-Trichloroethane | 83 | 7.328 | 7.323 | (0.893) | 1934 | 1.00000 | 1.0 |
| 71 | Tetrachloroethene | 166 | 7.093 | 7.088 | (0.864) | 2062 | 1.00000 | 0.99(a) |
| 72 | 1,3-Dichloropropane | 76 | 7.593 | 7.593 | (0.925) | 3484 | 1.00000 | 0.98(a) |
| 73 | 2-Hexanone | 43 | 7.999 | 7.993 | (0.975) | 14199 | 10.0000 | 6.5(a) |
| 74 | Dibromochloromethane | 129 | 7.493 | 7.493 | (0.913) | 2148 | 1.00000 | 0.95(a) |
| 76 | Butyl Acetate | 73 | 7.934 | 7.935 | (0.967) | 964 | 2.00000 | 1.3(a) |
| 77 | 1,2-Dibromoethane | 107 | 7.699 | 7.699 | (0.938) | 1950 | 1.00000 | 0.96(a) |
| * 78 | Chlorobenzene-d5 | 117 | 8.205 | 8.205 | (1.000) | 257896 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.217 | 8.217 | (1.001) | 6071 | 1.00000 | 1.0 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.293 | 8.293 | (1.011) | 2502 | 1.00000 | 1.0 |
| 81 | Ethylbenzene | 106 | 8.270 | 8.270 | (1.008) | 2447 | 1.00000 | 0.82(a) |
| 82 | m+p-Xylene | 106 | 8.405 | 8.405 | (1.024) | 5297 | 2.00000 | 1.5 |
| 84 | o-Xylene | 106 | 8.775 | 8.776 | (1.070) | 2445 | 1.00000 | 0.60(a) |
| 85 | Styrene | 104 | 8.822 | 8.823 | (1.075) | 3723 | 1.00000 | 0.55(a) |
| 83 | Butyl Acrylate | 73 | 8.975 | 8.976 | (1.094) | 1008 | 1.00000 | 0.50(a) |
| 86 | Bromoform | 173 | 8.822 | 8.823 | (1.075) | 1482 | 1.00000 | 0.94(a) |
| 87 | Amyl Acetate | 43 | 9.193 | 9.193 | (0.907) | 889 | 1.00000 | 0.58(a) |
| 88 | Isopropylbenzene | 105 | 9.046 | 9.046 | (1.103) | 5562 | 1.00000 | 0.50(a) |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 87475 | 50.0000 | 49 |
| 90 | Camphene (total) | 93 | 9.122 | 9.123 | (1.112) | 1854 | 1.00000 | 0.51(a) |
| 91 | Bromobenzene | 156 | 9.328 | 9.334 | (0.920) | 2427 | 1.00000 | 1.1 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.452 | 9.452 | (0.933) | 3356 | 1.00000 | 1.1 |
| 93 | 1,2,3-Trichloropropane | 110 | 9.546 | 9.546 | (0.942) | 919 | 1.00000 | 1.0 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.587 | 9.587 | (0.946) | 747 | 1.00000 | 0.90(a) |
| 95 | n-Propylbenzene | 91 | 9.381 | 9.382 | (0.926) | 8368 | 1.00000 | 0.74(a) |
| 96 | 2-Chlorotoluene | 91 | 9.493 | 9.493 | (0.937) | 5925 | 1.00000 | 0.88(a) |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.546 | 9.546 | (0.942) | 5110 | 1.00000 | 0.57(a) |
| 98 | 4-Chlorotoluene | 91 | 9.628 | 9.623 | (0.950) | 5294 | 1.00000 | 0.82(a) |
| 99 | Butyl Methacrylate | 87 | 9.805 | 9.805 | (0.967) | 1502 | 1.00000 | 0.45(a) |
| 100 | tert-Butylbenzene | 119 | 9.787 | 9.787 | (0.966) | 3593 | 1.00000 | 0.50(a) |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.846 | 9.846 | (0.972) | 5014 | 1.00000 | 0.55(a) |
| 102 | 2-Octanone | 43 | 10.252 | 10.252 | (1.012) | 3060 | 1.00000 | 0.56(a) |
| 103 | sec-Butylbenzene | 105 | 9.922 | 9.923 | (0.979) | 5405 | 1.00000 | 0.46(a) |
| 104 | 2-Octanol | 45 | 10.128 | 10.129 | (0.999) | 1112 | 1.00000 | 0.57(a) |
| 105 | 1,3-Dichlorobenzene | 146 | 10.075 | 10.076 | (0.994) | 4102 | 1.00000 | 0.96(a) |
| 107 | p-Isopropyltoluene | 119 | 10.040 | 10.040 | (0.991) | 4355 | 1.00000 | 0.46(a) |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 119793 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 10.140 | 10.146 | (1.001) | 4554 | 1.00000 | 1.0 |
| 110 | Benzyl Chloride | 91 | 10.352 | 10.352 | (1.021) | 9015 | 1.00000 | 0.62(a) |
| 106 | n-Butylbenzene | 91 | 10.352 | 10.352 | (1.021) | 9015 | 1.00000 | 0.62(a) |
| 111 | 1,2-Dichlorobenzene | 146 | 10.458 | 10.458 | (1.032) | 4422 | 1.00000 | 1.0 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 11.046 | 11.046 | (1.090) | 684 | 1.00000 | 1.1 |
| 113 | Camphor | 95 | 11.734 | 11.734 | (1.158) | 975 | 5.00000 | 2.7(a) |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.528 | 11.528 | (1.138) | 2731 | 1.00000 | 0.94(a) |
| 115 | Hexachlorobutadiene | 225 | 11.511 | 11.511 | (1.136) | 893 | 1.00000 | 0.63(a) |
| 116 | Naphthalene | 128 | 11.758 | 11.758 | (1.160) | 6047 | 1.00000 | 0.68(a) |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.887 | 11.887 | (1.173) | 2595 | 1.00000 | 0.89(a) |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12711.d
Report Date: 23-Sep-2009 10:53

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 5118 | 2.00000 | 2.0 |
| M 121 Xylene (Total) | 100 | | | | 7742 | 3.00000 | 1.9(a) |

QC Flag Legend

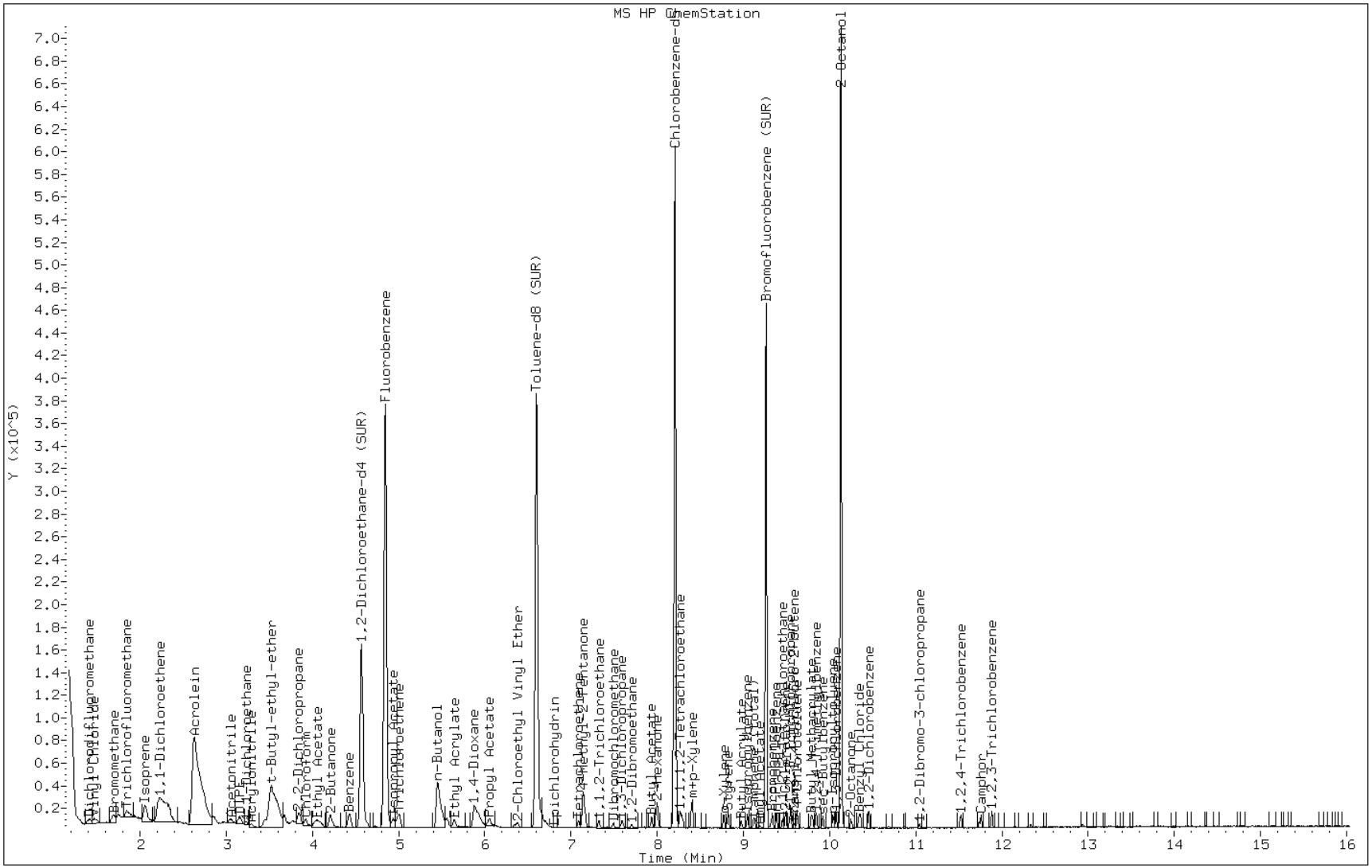
T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: d12711.d

Date: 21-SEP-2009 07:34

Client ID: Instrument: VOAMS4.i

Sample Info: IC-VM8LCAL1 Operator:



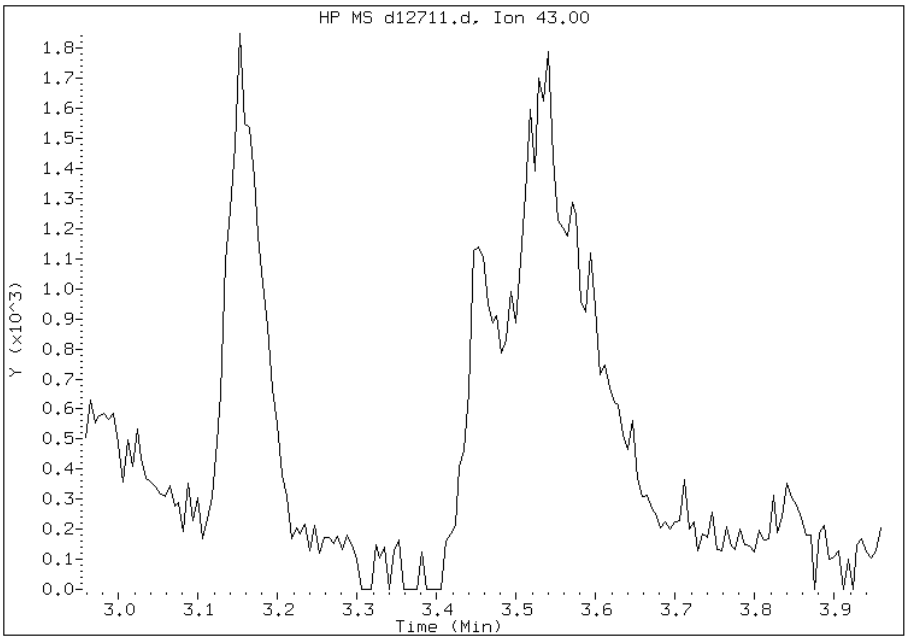
# Manual Integration Report

Data File: d12711.d
Inj. Date and Time: 21-SEP-2009 07:34
Instrument ID: VOAMS4.i
Client ID:
Compound:  31 Vinyl Acetate
CAS #: 108-05-4
Report Date: 09/23/2009

## Processing Integration Results

Not Detected

Expected RT: 3.46



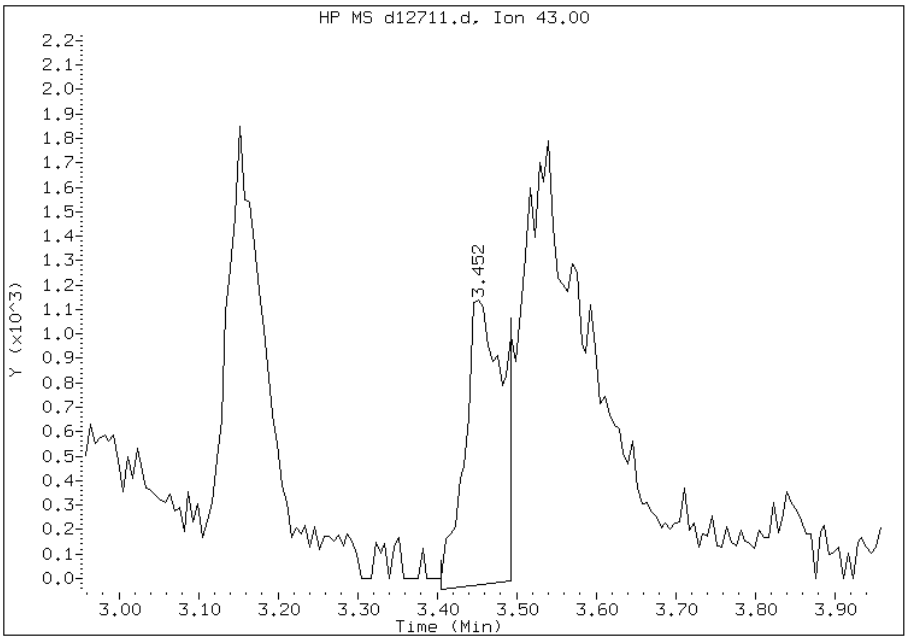

## Manual Integration Results

RT: 3.45

Response: 3972

Amount: 1

Conc: 1




Manually Integrated By: pritch
Manual Integration Reason:

# Manual Integration Report

Data File: d12711.d
Inj. Date and Time: 21-SEP-2009 07:34
Instrument ID: VOAMS4.i
Client ID:
Compound:  9 Ethanol
CAS #: 64-17-5
Report Date: 09/23/2009

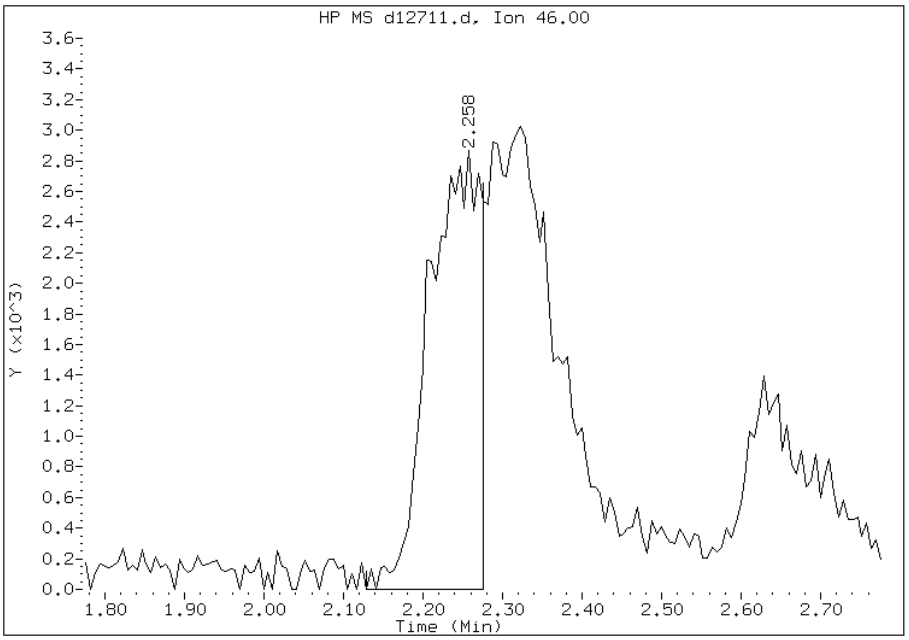
## Processing Integration Results

RT: 2.26

Response: 13021

Amount: 475

Conc: 475



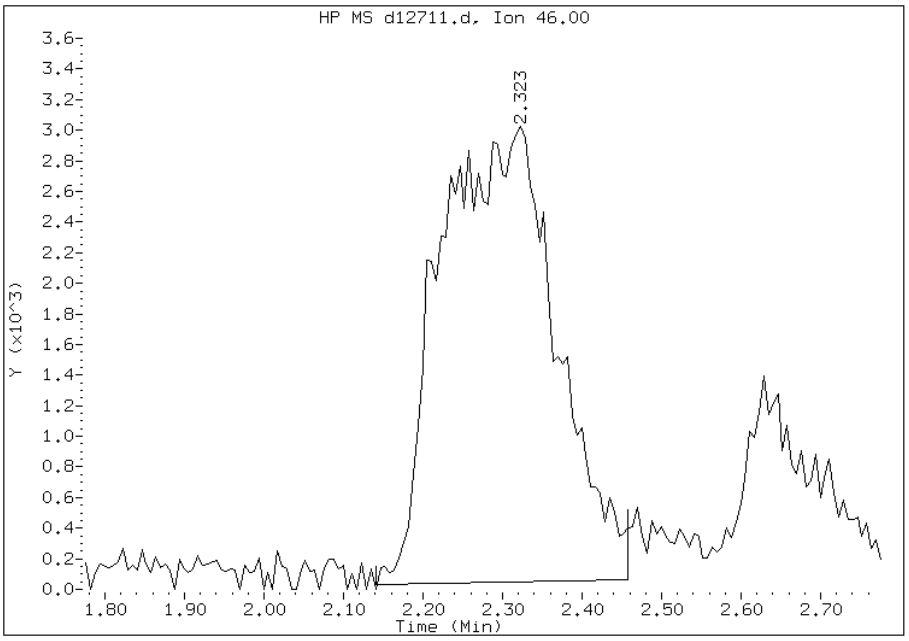

## Manual Integration Results

RT: 2.32

Response: 30444

Amount: 1131

Conc: 1131




Manually Integrated By: pritch
Manual Integration Reason:

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12713.d
Report Date: 23-Sep-2009 10:53

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12713.d
Lab Smp Id: IC-VM8LCAL5
Inj Date : 21-SEP-2009 08:23
Operator : Inst ID: VOAMS4.i
Smp Info : IC-VM8LCAL5
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/8260_09.m
Meth Date : 23-Sep-2009 10:53 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:23 Cal File: d12713.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 1.311 | 1.311 | (0.271) | 730736 | 200.000 | 210 |
| 3 Chloromethane | 50 | 1.417 | 1.411 | (0.292) | 1039616 | 200.000 | 190 |
| 4 Vinyl Chloride | 62 | 1.488 | 1.488 | (0.307) | 1105949 | 200.000 | 200 |
| 6 Bromomethane | 94 | 1.700 | 1.694 | (0.351) | 629383 | 200.000 | 190 |
| 5 Chloroethane | 64 | 1.770 | 1.764 | (0.365) | 539810 | 200.000 | 180 |
| 7 Trichlorofluoromethane | 101 | 1.888 | 1.876 | (0.390) | 1073462 | 200.000 | 190 |
| 8 n-Pentane | 72 | 1.847 | 1.853 | (0.381) | 96535 | 200.000 | 180 |
| 9 Ethanol | 46 | 2.247 | 2.276 | (0.464) | 181222 | 5000.00 | 5100 |
| 10 Isoprene | 67 | 2.058 | 2.058 | (0.425) | 1082771 | 200.000 | 190 |
| 11 Ethyl Ether | 59 | 2.076 | 2.076 | (0.428) | 623132 | 200.000 | 180 |
| 15 1,1-Dichloroethene | 96 | 2.211 | 2.211 | (0.456) | 584763 | 200.000 | 200 |
| 14 Freon TF | 101 | 2.270 | 2.270 | (0.468) | 754835 | 200.000 | 190 |
| 16 Acetone | 58 | 2.688 | 2.688 | (0.555) | 86358 | 200.000 | 220 |
| 17 Iodomethane | 142 | 2.317 | 2.317 | (0.478) | 1079869 | 200.000 | 180 |
| 18 Carbon Disulfide | 76 | 2.229 | 2.235 | (0.460) | 2905281 | 200.000 | 190 |
| 19 Isopropanol | 45 | 2.629 | 2.629 | (0.542) | 1724472 | 5000.00 | 5100 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12713.d
Report Date: 23-Sep-2009 10:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 3.047 | 3.047 | (0.629) | 700536 | 4000.00 | 4100 |
| | 27 Methyl Acetate | 74 | 2.782 | 2.782 | (0.574) | 220518 | 200.000 | 190 |
| | 22 Methylene Chloride | 84 | 2.641 | 2.641 | (0.545) | 683745 | 200.000 | 190 |
| | 24 TBA | 59 | 2.994 | 2.982 | (0.618) | 2098631 | 4000.00 | 3900 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.753 | 2.753 | (0.568) | 572278 | 200.000 | 190 |
| | 26 Acrylonitrile | 53 | 3.288 | 3.288 | (0.678) | 145459 | 100.000 | 94 |
| | 28 MTBE | 73 | 2.858 | 2.858 | (0.590) | 1938459 | 200.000 | 200 |
| | 29 Hexane | 56 | 2.805 | 2.805 | (0.579) | 526426 | 200.000 | 190 |
| | 30 1,1-Dichloroethane | 63 | 3.235 | 3.235 | (0.667) | 1136727 | 200.000 | 200 |
| | 31 Vinyl Acetate | 43 | 3.458 | 3.458 | (0.714) | 939497 | 200.000 | 210 |
| | 32 DIPE | 45 | 3.158 | 3.158 | (0.652) | 2353040 | 200.000 | 200 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.458 | 3.453 | (0.714) | 2267205 | 200.000 | 210 |
| | 37 2,2-Dichloropropane | 77 | 3.788 | 3.782 | (0.782) | 865039 | 200.000 | 190 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.682 | 3.682 | (0.760) | 644781 | 200.000 | 200 |
| | 38 2-Butanone | 72 | 4.211 | 4.205 | (0.869) | 120229 | 200.000 | 190 |
| | 39 Ethyl Acetate | 70 | 4.052 | 4.058 | (0.836) | 154428 | 400.000 | 410 |
| | 40 Bromochloromethane | 128 | 3.847 | 3.852 | (0.794) | 316989 | 200.000 | 200 |
| | 41 Tetrahydrofuran | 42 | 4.058 | 4.058 | (0.837) | 357564 | 200.000 | 190 |
| | 42 Chloroform | 83 | 3.923 | 3.923 | (0.809) | 1065089 | 200.000 | 190 |
| | 43 1,1,1-Trichloroethane | 97 | 4.100 | 4.100 | (0.846) | 960579 | 200.000 | 200 |
| | 44 Cyclohexane | 56 | 3.852 | 3.847 | (0.795) | 1359484 | 200.000 | 210 |
| | 45 Carbon Tetrachloride | 117 | 4.035 | 4.035 | (0.832) | 956698 | 200.000 | 190 |
| | 46 1,1-Dichloropropene | 75 | 4.205 | 4.205 | (0.868) | 809021 | 200.000 | 210 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.570 | (0.944) | 148807 | 50.0000 | 49 |
| | 48 Benzene | 78 | 4.435 | 4.435 | (0.540) | 2467091 | 200.000 | 190 |
| | 49 1,2-Dichloroethane | 62 | 4.641 | 4.635 | (0.958) | 843614 | 200.000 | 190 |
| | 51 n-Heptane | 57 | 4.423 | 4.423 | (0.913) | 423514 | 200.000 | 210 |
| | 50 t-Amyl-methyl-ether | 73 | 4.582 | 4.576 | (0.945) | 1906467 | 200.000 | 220 |
| | 61 Isopropyl Acetate | 43 | 4.935 | 4.935 | (1.018) | 3024037 | 400.000 | 420 |
| * | 52 Fluorobenzene | 96 | 4.847 | 4.847 | (1.000) | 465082 | 50.0000 | |
| | 54 Trichloroethene | 95 | 5.011 | 5.011 | (1.034) | 609210 | 200.000 | 200 |
| | 53 n-Butanol | 56 | 5.452 | 5.452 | (1.125) | 324962 | 2500.00 | 2600 |
| | 56 Methyl cyclohexane | 83 | 4.999 | 4.999 | (1.032) | 1167510 | 200.000 | 220 |
| | 55 Ethyl Acrylate | 55 | 5.646 | 5.641 | (1.165) | 863806 | 200.000 | 210 |
| | 57 1,2-Dichloropropane | 63 | 5.564 | 5.564 | (1.148) | 664289 | 200.000 | 200 |
| | 58 Dibromomethane | 93 | 5.452 | 5.452 | (1.125) | 405516 | 200.000 | 200 |
| | 60 1,4-Dioxane | 88 | 5.888 | 5.882 | (1.215) | 246242 | 5000.00 | 5400 |
| | 59 Methyl Methacrylate | 100 | 5.870 | 5.864 | (1.211) | 160272 | 200.000 | 190 |
| | 75 Propyl Acetate | 43 | 6.046 | 6.046 | (1.248) | 2184476 | 400.000 | 410 |
| | 68 Bromodichloromethane | 83 | 5.652 | 5.652 | (1.166) | 860175 | 200.000 | 200 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 6.346 | 6.346 | (1.309) | 441063 | 200.000 | 180 |
| | 63 Epichlorohydrin | 57 | 6.705 | 6.699 | (0.817) | 1767796 | 4000.00 | 4000 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.382 | 6.382 | (0.778) | 1005400 | 200.000 | 200 |
| | 70 4-Methyl-2-Pentanone | 43 | 7.146 | 7.146 | (0.871) | 864075 | 200.000 | 220 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.605 | 6.599 | (0.805) | 375228 | 50.0000 | 48 |
| | 66 Toluene | 91 | 6.664 | 6.658 | (0.812) | 2515973 | 200.000 | 190 |
| | 64 trans-1,3-Dichloropropene | 75 | 7.164 | 7.164 | (0.873) | 934490 | 200.000 | 210 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12713.d
Report Date: 23-Sep-2009 10:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 69 | 1,1,2-Trichloroethane | 83 | 7.329 | 7.323 | (0.893) | 464852 | 200.000 | 180 |
| 71 | Tetrachloroethene | 166 | 7.088 | 7.088 | (0.864) | 555343 | 200.000 | 200 |
| 72 | 1,3-Dichloropropane | 76 | 7.593 | 7.593 | (0.925) | 941170 | 200.000 | 200 |
| 73 | 2-Hexanone | 43 | 7.993 | 7.993 | (0.974) | 548764 | 200.000 | 180 |
| 74 | Dibromochloromethane | 129 | 7.493 | 7.493 | (0.913) | 599152 | 200.000 | 190 |
| 76 | Butyl Acetate | 73 | 7.935 | 7.935 | (0.967) | 375174 | 400.000 | 370 |
| 77 | 1,2-Dibromoethane | 107 | 7.705 | 7.699 | (0.939) | 537556 | 200.000 | 200 |
| * 78 | Chlorobenzene-d5 | 117 | 8.205 | 8.205 | (1.000) | 350613 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.223 | 8.217 | (1.002) | 1553905 | 200.000 | 190 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.293 | 8.293 | (1.011) | 635991 | 200.000 | 190 |
| 81 | Ethylbenzene | 106 | 8.270 | 8.270 | (1.008) | 867641 | 200.000 | 210 |
| 82 | m+p-Xylene | 106 | 8.405 | 8.405 | (1.024) | 2154411 | 400.000 | 440 |
| 84 | o-Xylene | 106 | 8.776 | 8.776 | (1.070) | 1090214 | 200.000 | 200 |
| 85 | Styrene | 104 | 8.823 | 8.823 | (1.075) | 1754482 | 200.000 | 190 |
| 83 | Butyl Acrylate | 73 | 8.976 | 8.976 | (1.094) | 501632 | 200.000 | 180 |
| 86 | Bromoform | 173 | 8.823 | 8.823 | (1.075) | 432708 | 200.000 | 200 |
| 87 | Amyl Acetate | 43 | 9.193 | 9.193 | (0.907) | 419449 | 200.000 | 180 |
| 88 | Isopropylbenzene | 105 | 9.046 | 9.046 | (1.103) | 2976384 | 200.000 | 200 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 130453 | 50.0000 | 48 |
| 90 | Camphene (total) | 93 | 9.129 | 9.123 | (1.113) | 937679 | 200.000 | 190 |
| 91 | Bromobenzene | 156 | 9.334 | 9.334 | (0.921) | 641679 | 200.000 | 190 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.452 | 9.452 | (0.933) | 877618 | 200.000 | 180 |
| 93 | 1,2,3-Trichloropropane | 110 | 9.546 | 9.546 | (0.942) | 244851 | 200.000 | 190 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.587 | 9.587 | (0.946) | 239438 | 200.000 | 190 |
| 95 | n-Propylbenzene | 91 | 9.387 | 9.382 | (0.926) | 3657623 | 200.000 | 220 |
| 96 | 2-Chlorotoluene | 91 | 9.493 | 9.493 | (0.937) | 2107303 | 200.000 | 210 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.552 | 9.546 | (0.943) | 2599161 | 200.000 | 190 |
| 98 | 4-Chlorotoluene | 91 | 9.629 | 9.623 | (0.950) | 2018402 | 200.000 | 210 |
| 99 | Butyl Methacrylate | 87 | 9.805 | 9.805 | (0.967) | 945006 | 200.000 | 190 |
| 100 | tert-Butylbenzene | 119 | 9.787 | 9.787 | (0.966) | 2086369 | 200.000 | 190 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.846 | 9.846 | (0.972) | 2665678 | 200.000 | 200 |
| 102 | 2-Octanone | 43 | 10.252 | 10.252 | (1.012) | 1497039 | 200.000 | 180 |
| 103 | sec-Butylbenzene | 105 | 9.929 | 9.923 | (0.980) | 3548554 | 200.000 | 200(A) |
| 104 | 2-Octanol | 45 | 10.129 | 10.129 | (0.999) | 673836 | 200.000 | 200 |
| 105 | 1,3-Dichlorobenzene | 146 | 10.076 | 10.076 | (0.994) | 1245605 | 200.000 | 190 |
| 107 | p-Isopropyltoluene | 119 | 10.046 | 10.040 | (0.991) | 2826037 | 200.000 | 200 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 180926 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 10.146 | 10.146 | (1.001) | 1257469 | 200.000 | 190 |
| 110 | Benzyl Chloride | 91 | 10.358 | 10.352 | (1.022) | 4319148 | 200.000 | 200 |
| 106 | n-Butylbenzene | 91 | 10.358 | 10.352 | (1.022) | 4319148 | 200.000 | 200 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.458 | 10.458 | (1.032) | 1293836 | 200.000 | 190 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 11.046 | 11.046 | (1.090) | 172529 | 200.000 | 180 |
| 113 | Camphor | 95 | 11.734 | 11.734 | (1.158) | 545662 | 1000.00 | 1000(A) |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.528 | 11.528 | (1.138) | 855612 | 200.000 | 200 |
| 115 | Hexachlorobutadiene | 225 | 11.511 | 11.511 | (1.136) | 395271 | 200.000 | 180 |
| 116 | Naphthalene | 128 | 11.758 | 11.758 | (1.160) | 2510743 | 200.000 | 190 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.887 | 11.887 | (1.173) | 836746 | 200.000 | 190 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12713.d
Report Date: 23-Sep-2009 10:53

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 1217059 | 400.000 | 390 |
| M 121 Xylene (Total) | 100 | | | | 3244625 | 600.000 | 580 |

QC Flag Legend

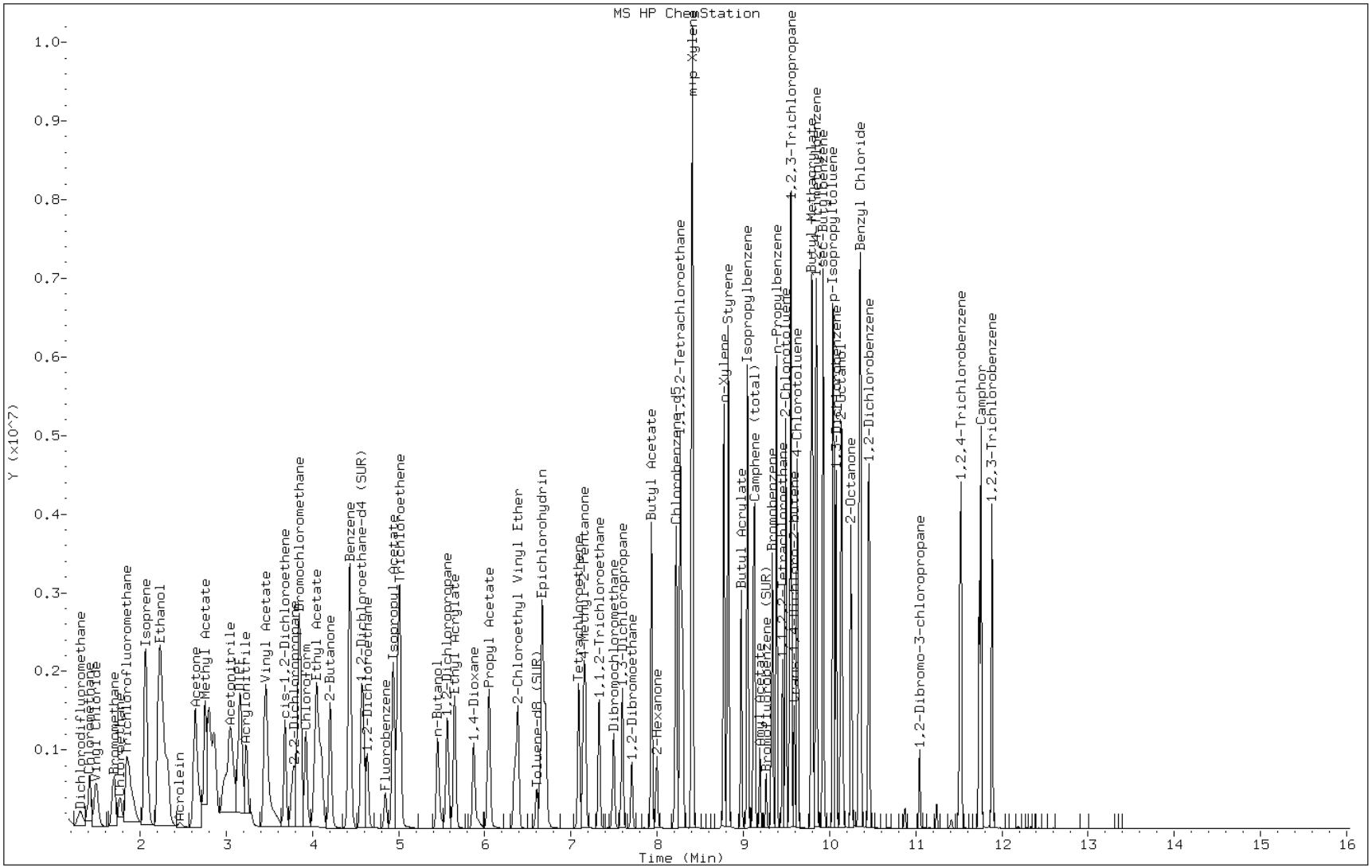
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: d12713.d

Date: 21-SEP-2009 08:23

Client ID: Instrument: VOAMS4.i

Sample Info: IC-VM8LCAL5 Operator:



Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12714.d
Report Date: 23-Sep-2009 10:53

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12714.d
Lab Smp Id: IC-VM8LCAL6
Inj Date : 21-SEP-2009 08:47
Operator : Inst ID: VOAMS4.i
Smp Info : IC-VM8LCAL6
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/8260_09.m
Meth Date : 23-Sep-2009 10:53 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 1.311 | 1.311 | (0.270) | 1851228 | 500.000 | 480 |
| 3 Chloromethane | 50 | 1.423 | 1.411 | (0.293) | 2757716 | 500.000 | 460 |
| 4 Vinyl Chloride | 62 | 1.500 | 1.488 | (0.309) | 2808622 | 500.000 | 450 |
| 6 Bromomethane | 94 | 1.705 | 1.694 | (0.351) | 1626786 | 500.000 | 430 |
| 5 Chloroethane | 64 | 1.782 | 1.764 | (0.367) | 1399378 | 500.000 | 420 |
| 7 Trichlorofluoromethane | 101 | 1.905 | 1.876 | (0.393) | 2742347 | 500.000 | 430 |
| 8 n-Pentane | 72 | 1.864 | 1.853 | (0.384) | 259463 | 500.000 | 420 |
| 9 Ethanol | 46 | 2.247 | 2.276 | (0.463) | 247266 | 6000.00 | 6000 |
| 10 Isoprene | 67 | 2.064 | 2.058 | (0.425) | 2871703 | 500.000 | 450 |
| 11 Ethyl Ether | 59 | 2.076 | 2.076 | (0.428) | 1598235 | 500.000 | 410 |
| 15 1,1-Dichloroethene | 96 | 2.223 | 2.211 | (0.458) | 1557778 | 500.000 | 470 |
| 14 Freon TF | 101 | 2.276 | 2.270 | (0.469) | 2014107 | 500.000 | 460 |
| 16 Acetone | 58 | 2.694 | 2.688 | (0.555) | 218199 | 500.000 | 490 |
| 17 Iodomethane | 142 | 2.329 | 2.317 | (0.480) | 2973692 | 500.000 | 440 |
| 18 Carbon Disulfide | 76 | 2.241 | 2.235 | (0.462) | 7798494 | 500.000 | 460 |
| 19 Isopropanol | 45 | 2.641 | 2.629 | (0.544) | 2358338 | 6000.00 | 6200(A) |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12714.d
Report Date: 23-Sep-2009 10:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 3.052 | 3.047 | (0.629) | 1932707 | 10000.0 | 10000 |
| | 27 Methyl Acetate | 74 | 2.788 | 2.782 | (0.574) | 650673 | 500.000 | 500(A) |
| | 22 Methylene Chloride | 84 | 2.647 | 2.641 | (0.545) | 1945994 | 500.000 | 480 |
| | 24 TBA | 59 | 3.005 | 2.982 | (0.619) | 6426084 | 10000.0 | 11000(A) |
| | 25 trans-1,2-Dichloroethene | 96 | 2.752 | 2.753 | (0.567) | 1621868 | 500.000 | 480 |
| | 26 Acrylonitrile | 53 | 3.294 | 3.288 | (0.679) | 363783 | 200.000 | 210 |
| | 28 MTBE | 73 | 2.864 | 2.858 | (0.590) | 5734111 | 500.000 | 510(A) |
| | 29 Hexane | 56 | 2.811 | 2.805 | (0.579) | 1447437 | 500.000 | 460 |
| | 30 1,1-Dichloroethane | 63 | 3.235 | 3.235 | (0.667) | 3209849 | 500.000 | 490 |
| | 31 Vinyl Acetate | 43 | 3.458 | 3.458 | (0.713) | 2557084 | 500.000 | 500(A) |
| | 32 DIPE | 45 | 3.164 | 3.158 | (0.652) | 6836759 | 500.000 | 500(A) |
| | 35 t-Butyl-ethyl-ether | 59 | 3.458 | 3.453 | (0.713) | 6554616 | 500.000 | 550(A) |
| | 37 2,2-Dichloropropane | 77 | 3.788 | 3.782 | (0.781) | 2427285 | 500.000 | 480 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.682 | 3.682 | (0.759) | 1837873 | 500.000 | 500 |
| | 38 2-Butanone | 72 | 4.211 | 4.205 | (0.868) | 360923 | 500.000 | 500(A) |
| | 39 Ethyl Acetate | 70 | 4.058 | 4.058 | (0.836) | 484767 | 1000.00 | 1100(A) |
| | 40 Bromochloromethane | 128 | 3.852 | 3.852 | (0.794) | 895339 | 500.000 | 490 |
| | 41 Tetrahydrofuran | 42 | 4.064 | 4.058 | (0.838) | 1101794 | 500.000 | 530(A) |
| | 42 Chloroform | 83 | 3.929 | 3.923 | (0.810) | 3088158 | 500.000 | 490 |
| | 43 1,1,1-Trichloroethane | 97 | 4.105 | 4.100 | (0.846) | 2833915 | 500.000 | 520(A) |
| | 44 Cyclohexane | 56 | 3.858 | 3.847 | (0.795) | 4016892 | 500.000 | 540(A) |
| | 45 Carbon Tetrachloride | 117 | 4.041 | 4.035 | (0.833) | 2798068 | 500.000 | 500(A) |
| | 46 1,1-Dichloropropene | 75 | 4.205 | 4.205 | (0.867) | 2359565 | 500.000 | 540(A) |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.570 | (0.943) | 181612 | 50.0000 | 53 |
| | 48 Benzene | 78 | 4.441 | 4.435 | (0.541) | 7120583 | 500.000 | 480 |
| | 49 1,2-Dichloroethane | 62 | 4.641 | 4.635 | (0.956) | 2455850 | 500.000 | 500 |
| | 51 n-Heptane | 57 | 4.429 | 4.423 | (0.913) | 1223373 | 500.000 | 540(A) |
| | 50 t-Amyl-methyl-ether | 73 | 4.582 | 4.576 | (0.944) | 5830679 | 500.000 | 580(A) |
| | 61 Isopropyl Acetate | 43 | 4.941 | 4.935 | (1.018) | 9200046 | 1000.00 | 1100(A) |
| * | 52 Fluorobenzene | 96 | 4.852 | 4.847 | (1.000) | 527375 | 50.0000 | |
| | 54 Trichloroethene | 95 | 5.017 | 5.011 | (1.034) | 1790627 | 500.000 | 530(A) |
| | 53 n-Butanol | 56 | 5.458 | 5.452 | (1.125) | 479146 | 3000.00 | 3000 |
| | 56 Methyl cyclohexane | 83 | 5.005 | 4.999 | (1.032) | 3468398 | 500.000 | 580(A) |
| | 55 Ethyl Acrylate | 55 | 5.646 | 5.641 | (1.164) | 2738110 | 500.000 | 590(A) |
| | 57 1,2-Dichloropropane | 63 | 5.570 | 5.564 | (1.148) | 1936881 | 500.000 | 520(A) |
| | 58 Dibromomethane | 93 | 5.458 | 5.452 | (1.125) | 1170869 | 500.000 | 510(A) |
| | 60 1,4-Dioxane | 88 | 5.893 | 5.882 | (1.215) | 339992 | 6000.00 | 6500(A) |
| | 59 Methyl Methacrylate | 100 | 5.876 | 5.864 | (1.211) | 491197 | 500.000 | 500(A) |
| | 75 Propyl Acetate | 43 | 6.052 | 6.046 | (1.247) | 6764227 | 1000.00 | 1100(A) |
| | 68 Bromodichloromethane | 83 | 5.658 | 5.652 | (1.166) | 2576681 | 500.000 | 530(A) |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 6.352 | 6.346 | (1.309) | 1366661 | 500.000 | 510(A) |
| | 63 Epichlorohydrin | 57 | 6.711 | 6.699 | (0.817) | 5367518 | 10000.0 | 11000(A) |
| | 67 cis-1,3-Dichloropropene | 75 | 6.388 | 6.382 | (0.778) | 3053235 | 500.000 | 550(A) |
| | 70 4-Methyl-2-Pentanone | 43 | 7.146 | 7.146 | (0.870) | 2662564 | 500.000 | 590(A) |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.605 | 6.599 | (0.804) | 421203 | 50.0000 | 48 |
| | 66 Toluene | 91 | 6.670 | 6.658 | (0.812) | 7278047 | 500.000 | 480 |
| | 64 trans-1,3-Dichloropropene | 75 | 7.170 | 7.164 | (0.873) | 2812102 | 500.000 | 560(A) |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12714.d
Report Date: 23-Sep-2009 10:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 69 | 1,1,2-Trichloroethane | 83 | 7.329 | 7.323 | (0.893) | 1387679 | 500.000 | 490 |
| 71 | Tetrachloroethene | 166 | 7.093 | 7.088 | (0.864) | 1621120 | 500.000 | 510(A) |
| 72 | 1,3-Dichloropropane | 76 | 7.599 | 7.593 | (0.925) | 2742508 | 500.000 | 500(A) |
| 73 | 2-Hexanone | 43 | 7.999 | 7.993 | (0.974) | 1703563 | 500.000 | 510(A) |
| 74 | Dibromochloromethane | 129 | 7.499 | 7.493 | (0.913) | 1750348 | 500.000 | 500(A) |
| 76 | Butyl Acetate | 73 | 7.934 | 7.935 | (0.966) | 1162614 | 1000.00 | 1000(A) |
| 77 | 1,2-Dibromoethane | 107 | 7.705 | 7.699 | (0.938) | 1557789 | 500.000 | 500(A) |
| * 78 | Chlorobenzene-d5 | 117 | 8.211 | 8.205 | (1.000) | 395856 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.223 | 8.217 | (1.001) | 4537691 | 500.000 | 500(A) |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.299 | 8.293 | (1.011) | 1826063 | 500.000 | 480 |
| 81 | Ethylbenzene | 106 | 8.270 | 8.270 | (1.007) | 2523197 | 500.000 | 550(A) |
| 82 | m+p-Xylene | 106 | 8.411 | 8.405 | (1.024) | 6307733 | 1000.00 | 1100(A) |
| 84 | o-Xylene | 106 | 8.776 | 8.776 | (1.069) | 3120947 | 500.000 | 500(A) |
| 85 | Styrene | 104 | 8.829 | 8.823 | (1.075) | 5276568 | 500.000 | 500(A) |
| 83 | Butyl Acrylate | 73 | 8.976 | 8.976 | (1.093) | 1552078 | 500.000 | 510(A) |
| 86 | Bromoform | 173 | 8.829 | 8.823 | (1.075) | 1276601 | 500.000 | 520(A) |
| 87 | Amyl Acetate | 43 | 9.193 | 9.193 | (0.907) | 1313673 | 500.000 | 510(A) |
| 88 | Isopropylbenzene | 105 | 9.052 | 9.046 | (1.102) | 8449444 | 500.000 | 500(A) |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 156680 | 50.0000 | 52 |
| 90 | Camphene (total) | 93 | 9.129 | 9.123 | (1.112) | 2816030 | 500.000 | 500(A) |
| 91 | Bromobenzene | 156 | 9.334 | 9.334 | (0.921) | 1910705 | 500.000 | 500 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.458 | 9.452 | (0.933) | 2540388 | 500.000 | 470 |
| 93 | 1,2,3-Trichloropropane | 110 | 9.546 | 9.546 | (0.942) | 706416 | 500.000 | 480 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.593 | 9.587 | (0.947) | 709915 | 500.000 | 500(A) |
| 95 | n-Propylbenzene | 91 | 9.387 | 9.382 | (0.926) | 10326434 | 500.000 | 540(A) |
| 96 | 2-Chlorotoluene | 91 | 9.493 | 9.493 | (0.937) | 6217867 | 500.000 | 540(A) |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.552 | 9.546 | (0.943) | 7675012 | 500.000 | 500(A) |
| 98 | 4-Chlorotoluene | 91 | 9.628 | 9.623 | (0.950) | 5972917 | 500.000 | 540(A) |
| 99 | Butyl Methacrylate | 87 | 9.805 | 9.805 | (0.967) | 2878867 | 500.000 | 500(A) |
| 100 | tert-Butylbenzene | 119 | 9.793 | 9.787 | (0.966) | 6092057 | 500.000 | 500(A) |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.852 | 9.846 | (0.972) | 7713858 | 500.000 | 500(A) |
| 102 | 2-Octanone | 43 | 10.252 | 10.252 | (1.012) | 4724360 | 500.000 | 510(A) |
| 103 | sec-Butylbenzene | 105 | 9.928 | 9.923 | (0.980) | 9903245 | 500.000 | 500(A) |
| 104 | 2-Octanol | 45 | 10.134 | 10.129 | (1.000) | 2802499 | 500.000 | 500 |
| 105 | 1,3-Dichlorobenzene | 146 | 10.075 | 10.076 | (0.994) | 3624118 | 500.000 | 500(A) |
| 107 | p-Isopropyltoluene | 119 | 10.046 | 10.040 | (0.991) | 8059295 | 500.000 | 500(A) |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 203610 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 10.146 | 10.146 | (1.001) | 3695697 | 500.000 | 490 |
| 110 | Benzyl Chloride | 91 | 10.358 | 10.352 | (1.022) | 12479810 | 500.000 | 500(A) |
| 106 | n-Butylbenzene | 91 | 10.358 | 10.352 | (1.022) | 12479810 | 500.000 | 500(A) |
| 111 | 1,2-Dichlorobenzene | 146 | 10.458 | 10.458 | (1.032) | 3740474 | 500.000 | 500(A) |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 11.046 | 11.046 | (1.090) | 539593 | 500.000 | 520(A) |
| 113 | Camphor | 95 | 11.734 | 11.734 | (1.158) | 1924560 | 2500.00 | 3200(A) |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.528 | 11.528 | (1.138) | 2694756 | 500.000 | 550(A) |
| 115 | Hexachlorobutadiene | 225 | 11.511 | 11.511 | (1.136) | 1227939 | 500.000 | 510(A) |
| 116 | Naphthalene | 128 | 11.758 | 11.758 | (1.160) | 7582618 | 500.000 | 500(A) |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.887 | 11.887 | (1.173) | 2615206 | 500.000 | 530(A) |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12714.d
Report Date: 23-Sep-2009 10:53

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 3459741 | 1000.00 | 980 |
| M 121 Xylene (Total) | 100 | | | | 9428680 | 1500.00 | 1500(A) |

QC Flag Legend

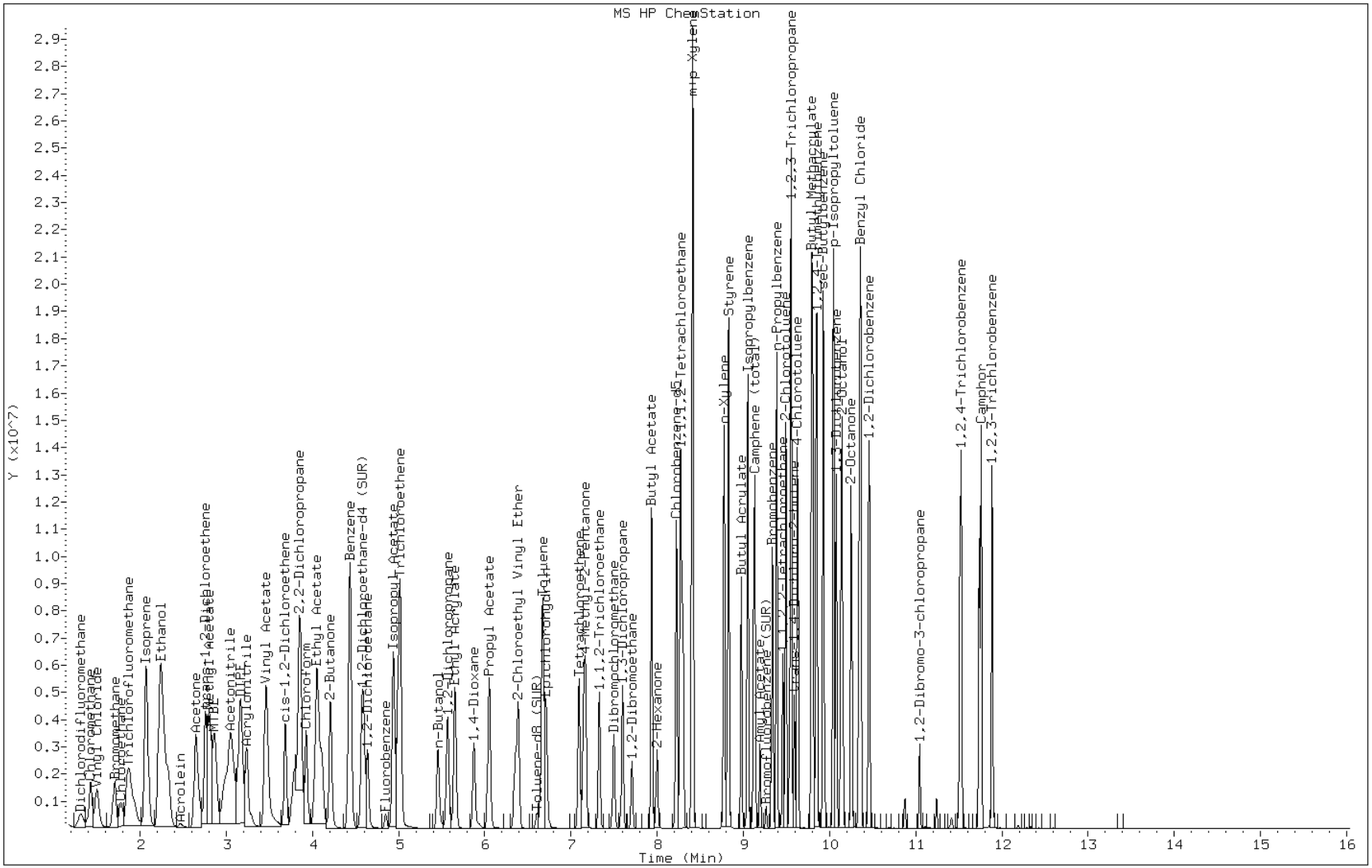
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: d12714.d

Date: 21-SEP-2009 08:47

Client ID: Instrument: VOAMS4.i

Sample Info: IC-VM8LCAL6 Operator:



Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12707.d
Report Date: 23-Sep-2009 11:25

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12707.d
Lab Smp Id: ICIS-VM8LCAL3
Inj Date : 21-SEP-2009 05:57
Operator : Inst ID: VOAMS4.i
Smp Info : ICIS-VM8LCAL3
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/8260_09.m
Meth Date : 23-Sep-2009 11:25 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 05:57 Cal File: d12707.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 1.311 | 1.311 | (0.271) | 63589 | 20.0000 | 20 |
| 3 Chloromethane | 50 | 1.411 | 1.411 | (0.291) | 99240 | 20.0000 | 20 |
| 4 Vinyl Chloride | 62 | 1.488 | 1.488 | (0.307) | 105770 | 20.0000 | 21 |
| 6 Bromomethane | 94 | 1.694 | 1.694 | (0.349) | 60626 | 20.0000 | 20 |
| 5 Chloroethane | 64 | 1.764 | 1.764 | (0.364) | 55035 | 20.0000 | 20 |
| 7 Trichlorofluoromethane | 101 | 1.876 | 1.876 | (0.387) | 110765 | 20.0000 | 22 |
| 8 n-Pentane | 72 | 1.853 | 1.853 | (0.382) | 10797 | 20.0000 | 22 |
| 9 Ethanol | 46 | 2.276 | 2.276 | (0.470) | 88059 | 3000.00 | 2900 |
| 10 Isoprene | 67 | 2.058 | 2.058 | (0.425) | 103572 | 20.0000 | 20 |
| 11 Ethyl Ether | 59 | 2.076 | 2.076 | (0.428) | 64065 | 20.0000 | 20 |
| 15 1,1-Dichloroethene | 96 | 2.211 | 2.211 | (0.456) | 57127 | 20.0000 | 21 |
| 14 Freon TF | 101 | 2.270 | 2.270 | (0.468) | 73219 | 20.0000 | 21 |
| 16 Acetone | 58 | 2.688 | 2.688 | (0.555) | 11336 | 20.0000 | 32 |
| 17 Iodomethane | 142 | 2.317 | 2.317 | (0.478) | 108371 | 20.0000 | 20 |
| 18 Carbon Disulfide | 76 | 2.235 | 2.235 | (0.461) | 278788 | 20.0000 | 20 |
| 19 Isopropanol | 45 | 2.629 | 2.629 | (0.542) | 877405 | 3000.00 | 2900 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12707.d
Report Date: 23-Sep-2009 11:25

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 3.047 | 3.047 | (0.629) | 59203 | 400.000 | 380 |
| | 27 Methyl Acetate | 74 | 2.782 | 2.782 | (0.574) | 20681 | 20.0000 | 20 |
| | 22 Methylene Chloride | 84 | 2.641 | 2.641 | (0.545) | 67644 | 20.0000 | 21 |
| | 24 TBA | 59 | 2.982 | 2.982 | (0.615) | 171432 | 400.000 | 360 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.753 | 2.753 | (0.568) | 55305 | 20.0000 | 21 |
| | 26 Acrylonitrile | 53 | 3.288 | 3.288 | (0.678) | 28825 | 20.0000 | 20 |
| | 28 MTBE | 73 | 2.858 | 2.858 | (0.590) | 175162 | 20.0000 | 20 |
| | 29 Hexane | 56 | 2.805 | 2.805 | (0.579) | 53320 | 20.0000 | 21 |
| | 30 1,1-Dichloroethane | 63 | 3.235 | 3.235 | (0.667) | 108753 | 20.0000 | 21 |
| | 31 Vinyl Acetate | 43 | 3.458 | 3.458 | (0.714) | 75498 | 20.0000 | 18 |
| | 32 DIPE | 45 | 3.158 | 3.158 | (0.652) | 201202 | 20.0000 | 18 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.453 | 3.453 | (0.712) | 182181 | 20.0000 | 19 |
| | 37 2,2-Dichloropropane | 77 | 3.782 | 3.782 | (0.780) | 88575 | 20.0000 | 22 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.682 | 3.682 | (0.760) | 60996 | 20.0000 | 20 |
| | 38 2-Butanone | 72 | 4.205 | 4.205 | (0.868) | 9836 | 20.0000 | 17 |
| | 39 Ethyl Acetate | 70 | 4.058 | 4.058 | (0.837) | 13514 | 40.0000 | 40 |
| | 40 Bromochloromethane | 128 | 3.852 | 3.852 | (0.795) | 30538 | 20.0000 | 21 |
| | 41 Tetrahydrofuran | 42 | 4.058 | 4.058 | (0.837) | 29848 | 20.0000 | 18 |
| | 42 Chloroform | 83 | 3.923 | 3.923 | (0.809) | 103707 | 20.0000 | 20 |
| | 43 1,1,1-Trichloroethane | 97 | 4.100 | 4.100 | (0.846) | 89885 | 20.0000 | 21 |
| | 44 Cyclohexane | 56 | 3.847 | 3.847 | (0.794) | 114269 | 20.0000 | 19 |
| | 45 Carbon Tetrachloride | 117 | 4.035 | 4.035 | (0.833) | 77179 | 20.0000 | 17 |
| | 46 1,1-Dichloropropene | 75 | 4.205 | 4.205 | (0.868) | 70396 | 20.0000 | 20 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.570 | 4.570 | (0.943) | 136003 | 50.0000 | 50 |
| | 48 Benzene | 78 | 4.435 | 4.435 | (0.540) | 223919 | 20.0000 | 21 |
| | 49 1,2-Dichloroethane | 62 | 4.635 | 4.635 | (0.956) | 79811 | 20.0000 | 20 |
| | 51 n-Heptane | 57 | 4.423 | 4.423 | (0.913) | 36527 | 20.0000 | 20 |
| | 50 t-Amyl-methyl-ether | 73 | 4.576 | 4.576 | (0.944) | 152081 | 20.0000 | 19 |
| | 61 Isopropyl Acetate | 43 | 4.935 | 4.935 | (1.018) | 239173 | 40.0000 | 37 |
| * | 52 Fluorobenzene | 96 | 4.847 | 4.847 | (1.000) | 422036 | 50.0000 | |
| | 54 Trichloroethene | 95 | 5.011 | 5.011 | (1.034) | 52708 | 20.0000 | 20 |
| | 53 n-Butanol | 56 | 5.452 | 5.452 | (1.125) | 141463 | 1500.00 | 1500 |
| | 56 Methyl cyclohexane | 83 | 4.999 | 4.999 | (1.032) | 94544 | 20.0000 | 20 |
| | 55 Ethyl Acrylate | 55 | 5.641 | 5.641 | (1.164) | 63756 | 20.0000 | 17 |
| | 57 1,2-Dichloropropane | 63 | 5.564 | 5.564 | (1.148) | 60917 | 20.0000 | 20 |
| | 58 Dibromomethane | 93 | 5.452 | 5.452 | (1.125) | 38100 | 20.0000 | 21 |
| | 60 1,4-Dioxane | 88 | 5.882 | 5.882 | (1.214) | 119755 | 3000.00 | 2900 |
| | 59 Methyl Methacrylate | 100 | 5.864 | 5.864 | (1.210) | 12355 | 20.0000 | 16 |
| | 75 Propyl Acetate | 43 | 6.046 | 6.046 | (1.248) | 171512 | 40.0000 | 35 |
| | 68 Bromodichloromethane | 83 | 5.652 | 5.652 | (1.166) | 77887 | 20.0000 | 20 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 6.346 | 6.346 | (1.309) | 30594 | 20.0000 | 14 |
| | 63 Epichlorohydrin | 57 | 6.699 | 6.699 | (0.816) | 135321 | 400.000 | 380 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.382 | 6.382 | (0.778) | 82624 | 20.0000 | 21 |
| | 70 4-Methyl-2-Pentanone | 43 | 7.146 | 7.146 | (0.871) | 60473 | 20.0000 | 19 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.599 | 6.599 | (0.804) | 322237 | 50.0000 | 51 |
| | 66 Toluene | 91 | 6.658 | 6.658 | (0.811) | 214666 | 20.0000 | 20 |
| | 64 trans-1,3-Dichloropropene | 75 | 7.164 | 7.164 | (0.873) | 71385 | 20.0000 | 20 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12707.d
Report Date: 23-Sep-2009 11:25

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 69 | 1,1,2-Trichloroethane | 83 | 7.323 | 7.323 | (0.892) | 41585 | 20.0000 | 20 |
| 71 | Tetrachloroethene | 166 | 7.088 | 7.088 | (0.864) | 47467 | 20.0000 | 21 |
| 72 | 1,3-Dichloropropane | 76 | 7.593 | 7.593 | (0.925) | 78065 | 20.0000 | 20 |
| 73 | 2-Hexanone | 43 | 7.993 | 7.993 | (0.974) | 40567 | 20.0000 | 17 |
| 74 | Dibromochloromethane | 129 | 7.493 | 7.493 | (0.913) | 51277 | 20.0000 | 20 |
| 76 | Butyl Acetate | 73 | 7.935 | 7.935 | (0.967) | 24549 | 40.0000 | 30 |
| 77 | 1,2-Dibromoethane | 107 | 7.699 | 7.699 | (0.938) | 45045 | 20.0000 | 20 |
| * 78 | Chlorobenzene-d5 | 117 | 8.205 | 8.205 | (1.000) | 283689 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.217 | 8.217 | (1.001) | 128955 | 20.0000 | 20 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.293 | 8.293 | (1.011) | 55373 | 20.0000 | 20 |
| 81 | Ethylbenzene | 106 | 8.270 | 8.270 | (1.008) | 66521 | 20.0000 | 20 |
| 82 | m+p-Xylene | 106 | 8.405 | 8.405 | (1.024) | 165496 | 40.0000 | 42 |
| 84 | o-Xylene | 106 | 8.776 | 8.776 | (1.070) | 79331 | 20.0000 | 18 |
| 85 | Styrene | 104 | 8.823 | 8.823 | (1.075) | 122804 | 20.0000 | 16 |
| 83 | Butyl Acrylate | 73 | 8.976 | 8.976 | (1.094) | 31736 | 20.0000 | 14 |
| 86 | Bromoform | 173 | 8.823 | 8.823 | (1.075) | 34502 | 20.0000 | 20 |
| 87 | Amyl Acetate | 43 | 9.193 | 9.193 | (0.907) | 27197 | 20.0000 | 16 |
| 88 | Isopropylbenzene | 105 | 9.046 | 9.046 | (1.103) | 223402 | 20.0000 | 18 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 103445 | 50.0000 | 51 |
| 90 | Camphene (total) | 93 | 9.123 | 9.123 | (1.112) | 67732 | 20.0000 | 17 |
| 91 | Bromobenzene | 156 | 9.334 | 9.334 | (0.921) | 50729 | 20.0000 | 20 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.452 | 9.452 | (0.933) | 73803 | 20.0000 | 20 |
| 93 | 1,2,3-Trichloropropane | 110 | 9.546 | 9.546 | (0.942) | 20426 | 20.0000 | 21 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.587 | 9.587 | (0.946) | 18521 | 20.0000 | 19 |
| 95 | n-Propylbenzene | 91 | 9.382 | 9.382 | (0.926) | 274997 | 20.0000 | 21 |
| 96 | 2-Chlorotoluene | 91 | 9.493 | 9.493 | (0.937) | 157562 | 20.0000 | 20 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.546 | 9.546 | (0.942) | 190461 | 20.0000 | 19 |
| 98 | 4-Chlorotoluene | 91 | 9.623 | 9.623 | (0.950) | 153063 | 20.0000 | 21 |
| 99 | Butyl Methacrylate | 87 | 9.805 | 9.805 | (0.967) | 60891 | 20.0000 | 16 |
| 100 | tert-Butylbenzene | 119 | 9.787 | 9.787 | (0.966) | 148763 | 20.0000 | 18 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.846 | 9.846 | (0.972) | 196128 | 20.0000 | 19 |
| 102 | 2-Octanone | 43 | 10.252 | 10.252 | (1.012) | 91002 | 20.0000 | 14 |
| 103 | sec-Butylbenzene | 105 | 9.923 | 9.923 | (0.979) | 265389 | 20.0000 | 20 |
| 104 | 2-Octanol | 45 | 10.129 | 10.129 | (0.999) | 31275 | 20.0000 | 14 |
| 105 | 1,3-Dichlorobenzene | 146 | 10.076 | 10.076 | (0.994) | 99677 | 20.0000 | 20 |
| 107 | p-Isopropyltoluene | 119 | 10.040 | 10.040 | (0.991) | 202495 | 20.0000 | 19 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 136449 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 10.146 | 10.146 | (1.001) | 101468 | 20.0000 | 20 |
| 110 | Benzyl Chloride | 91 | 10.352 | 10.352 | (1.021) | 328467 | 20.0000 | 20 |
| 106 | n-Butylbenzene | 91 | 10.352 | 10.352 | (1.021) | 328467 | 20.0000 | 20 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.458 | 10.458 | (1.032) | 102320 | 20.0000 | 20 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 11.046 | 11.046 | (1.090) | 13436 | 20.0000 | 19 |
| 113 | Camphor | 95 | 11.734 | 11.734 | (1.158) | 27298 | 100.000 | 67 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.528 | 11.528 | (1.138) | 66881 | 20.0000 | 20 |
| 115 | Hexachlorobutadiene | 225 | 11.511 | 11.511 | (1.136) | 33901 | 20.0000 | 21 |
| 116 | Naphthalene | 128 | 11.758 | 11.758 | (1.160) | 191415 | 20.0000 | 19 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.887 | 11.887 | (1.173) | 69759 | 20.0000 | 21 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12707.d
Report Date: 23-Sep-2009 11:25

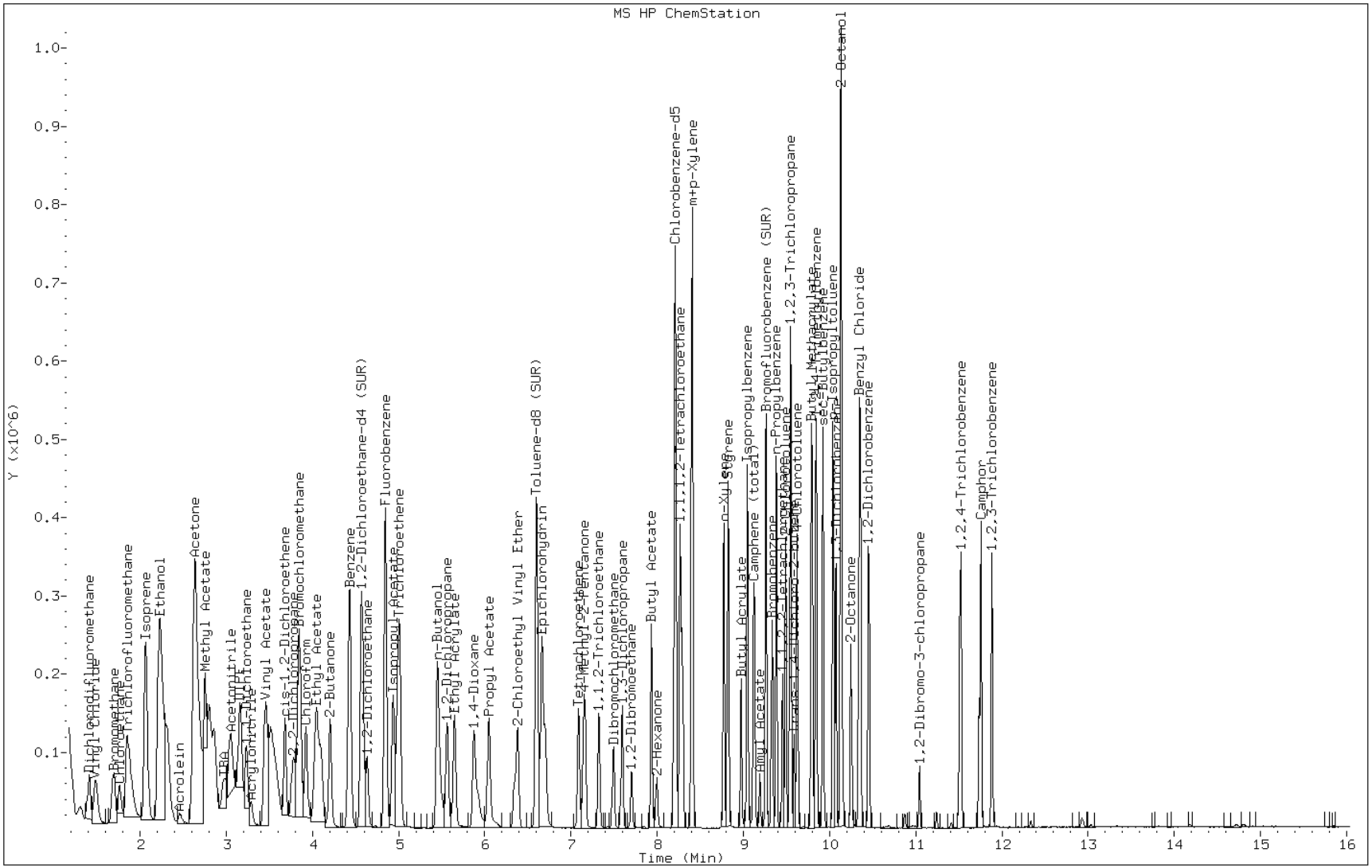
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 116301 | 40.0000 | 41 |
| M 121 Xylene (Total) | 100 | | | | 244827 | 60.0000 | 55 |

Data File: d12707.d

Date: 21-SEP-2009 05:57

Client ID: Instrument: VOAMS4.i

Sample Info: ICIS-VM8LCAL3 Operator:



Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12712.d
Report Date: 23-Sep-2009 11:25

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12712.d
Lab Smp Id: IC-VM8LCAL4
Inj Date : 21-SEP-2009 07:59
Operator : Inst ID: VOAMS4.i
Smp Info : IC-VM8LCAL4
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/8260_09.m
Meth Date : 23-Sep-2009 11:25 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 07:59 Cal File: d12712.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 1.305 | 1.311 | (0.269) | 168706 | 50.0000 | 54 |
| 3 Chloromethane | 50 | 1.405 | 1.411 | (0.290) | 228546 | 50.0000 | 47 |
| 4 Vinyl Chloride | 62 | 1.482 | 1.488 | (0.306) | 248008 | 50.0000 | 49 |
| 6 Bromomethane | 94 | 1.688 | 1.694 | (0.348) | 147049 | 50.0000 | 49 |
| 5 Chloroethane | 64 | 1.758 | 1.764 | (0.363) | 134754 | 50.0000 | 50 |
| 7 Trichlorofluoromethane | 101 | 1.882 | 1.876 | (0.388) | 264576 | 50.0000 | 52 |
| 8 n-Pentane | 72 | 1.835 | 1.853 | (0.379) | 26228 | 50.0000 | 53 |
| 9 Ethanol | 46 | 2.282 | 2.276 | (0.471) | 118119 | 4000.00 | 3800 |
| 10 Isoprene | 67 | 2.052 | 2.058 | (0.424) | 255846 | 50.0000 | 51 |
| 11 Ethyl Ether | 59 | 2.070 | 2.076 | (0.427) | 151502 | 50.0000 | 48 |
| 15 1,1-Dichloroethene | 96 | 2.205 | 2.211 | (0.455) | 127108 | 50.0000 | 48 |
| 14 Freon TF | 101 | 2.264 | 2.270 | (0.467) | 177213 | 50.0000 | 50 |
| 16 Acetone | 58 | 2.688 | 2.688 | (0.555) | 27108 | 50.0000 | 76 |
| 17 Iodomethane | 142 | 2.311 | 2.317 | (0.477) | 264565 | 50.0000 | 50 |
| 18 Carbon Disulfide | 76 | 2.229 | 2.235 | (0.460) | 689159 | 50.0000 | 51 |
| 19 Isopropanol | 45 | 2.623 | 2.629 | (0.541) | 1151696 | 4000.00 | 3800 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12712.d
Report Date: 23-Sep-2009 11:25

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 3.052 | 3.047 | (0.630) | 141308 | 1000.00 | 920 |
| | 27 Methyl Acetate | 74 | 2.776 | 2.782 | (0.573) | 53033 | 50.0000 | 52 |
| | 22 Methylene Chloride | 84 | 2.635 | 2.641 | (0.544) | 158583 | 50.0000 | 49 |
| | 24 TBA | 59 | 2.988 | 2.982 | (0.616) | 456414 | 1000.00 | 950 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.747 | 2.753 | (0.567) | 127104 | 50.0000 | 48 |
| | 26 Acrylonitrile | 53 | 3.288 | 3.288 | (0.678) | 73511 | 50.0000 | 52 |
| | 28 MTBE | 73 | 2.858 | 2.858 | (0.590) | 438116 | 50.0000 | 49 |
| | 29 Hexane | 56 | 2.805 | 2.805 | (0.579) | 127357 | 50.0000 | 50 |
| | 30 1,1-Dichloroethane | 63 | 3.229 | 3.235 | (0.666) | 253358 | 50.0000 | 48 |
| | 31 Vinyl Acetate | 43 | 3.458 | 3.458 | (0.714) | 224832 | 50.0000 | 55 |
| | 32 DIPE | 45 | 3.158 | 3.158 | (0.652) | 525968 | 50.0000 | 49 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.452 | 3.453 | (0.712) | 561989 | 50.0000 | 59 |
| | 37 2,2-Dichloropropane | 77 | 3.782 | 3.782 | (0.780) | 189462 | 50.0000 | 47 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.676 | 3.682 | (0.758) | 142919 | 50.0000 | 48 |
| | 38 2-Butanone | 72 | 4.205 | 4.205 | (0.868) | 26522 | 50.0000 | 46 |
| | 39 Ethyl Acetate | 70 | 4.052 | 4.058 | (0.836) | 34523 | 100.000 | 100 |
| | 40 Bromochloromethane | 128 | 3.846 | 3.852 | (0.794) | 71344 | 50.0000 | 49 |
| | 41 Tetrahydrofuran | 42 | 4.058 | 4.058 | (0.837) | 80295 | 50.0000 | 48 |
| | 42 Chloroform | 83 | 3.923 | 3.923 | (0.809) | 240914 | 50.0000 | 48 |
| | 43 1,1,1-Trichloroethane | 97 | 4.099 | 4.100 | (0.846) | 207170 | 50.0000 | 48 |
| | 44 Cyclohexane | 56 | 3.846 | 3.847 | (0.794) | 299997 | 50.0000 | 51 |
| | 45 Carbon Tetrachloride | 117 | 4.029 | 4.035 | (0.831) | 206500 | 50.0000 | 46 |
| | 46 1,1-Dichloropropene | 75 | 4.199 | 4.205 | (0.866) | 168396 | 50.0000 | 48 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.570 | 4.570 | (0.943) | 132980 | 50.0000 | 49 |
| | 48 Benzene | 78 | 4.435 | 4.435 | (0.540) | 538050 | 50.0000 | 47 |
| | 49 1,2-Dichloroethane | 62 | 4.635 | 4.635 | (0.956) | 193893 | 50.0000 | 49 |
| | 51 n-Heptane | 57 | 4.423 | 4.423 | (0.913) | 94587 | 50.0000 | 52 |
| | 50 t-Amyl-methyl-ether | 73 | 4.576 | 4.576 | (0.944) | 404403 | 50.0000 | 51 |
| | 61 Isopropyl Acetate | 43 | 4.935 | 4.935 | (1.018) | 655399 | 100.000 | 100 |
| * | 52 Fluorobenzene | 96 | 4.846 | 4.847 | (1.000) | 419944 | 50.0000 | |
| | 54 Trichloroethene | 95 | 5.011 | 5.011 | (1.034) | 128879 | 50.0000 | 48 |
| | 53 n-Butanol | 56 | 5.452 | 5.452 | (1.125) | 202428 | 2000.00 | 2000 |
| | 56 Methyl cyclohexane | 83 | 4.993 | 4.999 | (1.030) | 253305 | 50.0000 | 53 |
| | 55 Ethyl Acrylate | 55 | 5.641 | 5.641 | (1.164) | 181770 | 50.0000 | 49 |
| | 57 1,2-Dichloropropane | 63 | 5.564 | 5.564 | (1.148) | 147192 | 50.0000 | 49 |
| | 58 Dibromomethane | 93 | 5.452 | 5.452 | (1.125) | 92772 | 50.0000 | 50 |
| | 60 1,4-Dioxane | 88 | 5.888 | 5.882 | (1.215) | 162121 | 4000.00 | 3900 |
| | 59 Methyl Methacrylate | 100 | 5.870 | 5.864 | (1.211) | 34068 | 50.0000 | 44 |
| | 75 Propyl Acetate | 43 | 6.046 | 6.046 | (1.248) | 473390 | 100.000 | 98 |
| | 68 Bromodichloromethane | 83 | 5.646 | 5.652 | (1.165) | 187907 | 50.0000 | 49 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 6.346 | 6.346 | (1.309) | 90822 | 50.0000 | 42 |
| | 63 Epichlorohydrin | 57 | 6.699 | 6.699 | (0.816) | 374817 | 1000.00 | 970 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.382 | 6.382 | (0.778) | 210349 | 50.0000 | 49 |
| | 70 4-Methyl-2-Pentanone | 43 | 7.146 | 7.146 | (0.871) | 180785 | 50.0000 | 52 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.599 | 6.599 | (0.804) | 334810 | 50.0000 | 50 |
| | 66 Toluene | 91 | 6.664 | 6.658 | (0.812) | 525335 | 50.0000 | 45 |
| | 64 trans-1,3-Dichloropropene | 75 | 7.164 | 7.164 | (0.873) | 193124 | 50.0000 | 50 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12712.d
Report Date: 23-Sep-2009 11:25

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 69 1,1,2-Trichloroethane | 83 | 7.323 | 7.323 | (0.892) | 105717 | 50.0000 | 48 |
| | 71 Tetrachloroethene | 166 | 7.087 | 7.088 | (0.864) | 115215 | 50.0000 | 47 |
| | 72 1,3-Dichloropropane | 76 | 7.593 | 7.593 | (0.925) | 207053 | 50.0000 | 49 |
| | 73 2-Hexanone | 43 | 7.993 | 7.993 | (0.974) | 118833 | 50.0000 | 46 |
| | 74 Dibromochloromethane | 129 | 7.493 | 7.493 | (0.913) | 132761 | 50.0000 | 50 |
| | 76 Butyl Acetate | 73 | 7.934 | 7.935 | (0.967) | 76069 | 100.000 | 86 |
| | 77 1,2-Dibromoethane | 107 | 7.705 | 7.699 | (0.939) | 119112 | 50.0000 | 50 |
| * | 78 Chlorobenzene-d5 | 117 | 8.205 | 8.205 | (1.000) | 304100 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.217 | 8.217 | (1.001) | 330633 | 50.0000 | 48 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.293 | 8.293 | (1.011) | 137635 | 50.0000 | 48 |
| | 81 Ethylbenzene | 106 | 8.270 | 8.270 | (1.008) | 176359 | 50.0000 | 50 |
| | 82 m+p-Xylene | 106 | 8.405 | 8.405 | (1.024) | 436452 | 100.000 | 100 |
| | 84 o-Xylene | 106 | 8.776 | 8.776 | (1.070) | 217344 | 50.0000 | 45 |
| | 85 Styrene | 104 | 8.823 | 8.823 | (1.075) | 345117 | 50.0000 | 43 |
| | 83 Butyl Acrylate | 73 | 8.976 | 8.976 | (1.094) | 96266 | 50.0000 | 41 |
| | 86 Bromoform | 173 | 8.823 | 8.823 | (1.075) | 91443 | 50.0000 | 49 |
| | 87 Amyl Acetate | 43 | 9.193 | 9.193 | (0.907) | 82500 | 50.0000 | 43 |
| | 88 Isopropylbenzene | 105 | 9.046 | 9.046 | (1.103) | 592127 | 50.0000 | 46 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 113496 | 50.0000 | 50 |
| | 90 Camphene (total) | 93 | 9.123 | 9.123 | (1.112) | 191702 | 50.0000 | 45 |
| | 91 Bromobenzene | 156 | 9.334 | 9.334 | (0.921) | 137044 | 50.0000 | 48 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.452 | 9.452 | (0.933) | 193280 | 50.0000 | 48 |
| | 93 1,2,3-Trichloropropane | 110 | 9.540 | 9.546 | (0.941) | 53869 | 50.0000 | 49 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.587 | 9.587 | (0.946) | 54194 | 50.0000 | 51 |
| | 95 n-Propylbenzene | 91 | 9.381 | 9.382 | (0.926) | 729267 | 50.0000 | 51 |
| | 96 2-Chlorotoluene | 91 | 9.493 | 9.493 | (0.937) | 423914 | 50.0000 | 49 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.552 | 9.546 | (0.943) | 509971 | 50.0000 | 45 |
| | 98 4-Chlorotoluene | 91 | 9.623 | 9.623 | (0.950) | 410535 | 50.0000 | 50 |
| | 99 Butyl Methacrylate | 87 | 9.805 | 9.805 | (0.967) | 183704 | 50.0000 | 43 |
| | 100 tert-Butylbenzene | 119 | 9.787 | 9.787 | (0.966) | 403800 | 50.0000 | 45 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.846 | 9.846 | (0.972) | 522813 | 50.0000 | 46 |
| | 102 2-Octanone | 43 | 10.252 | 10.252 | (1.012) | 289777 | 50.0000 | 42 |
| | 103 sec-Butylbenzene | 105 | 9.928 | 9.923 | (0.980) | 677812 | 50.0000 | 46 |
| | 104 2-Octanol | 45 | 10.128 | 10.129 | (0.999) | 96472 | 50.0000 | 38 |
| | 105 1,3-Dichlorobenzene | 146 | 10.075 | 10.076 | (0.994) | 261726 | 50.0000 | 48 |
| | 107 p-Isopropyltoluene | 119 | 10.040 | 10.040 | (0.991) | 541450 | 50.0000 | 45 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 152040 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 10.146 | 10.146 | (1.001) | 264107 | 50.0000 | 47 |
| | 110 Benzyl Chloride | 91 | 10.352 | 10.352 | (1.021) | 861540 | 50.0000 | 46 |
| | 106 n-Butylbenzene | 91 | 10.352 | 10.352 | (1.021) | 861540 | 50.0000 | 46 |
| | 111 1,2-Dichlorobenzene | 146 | 10.458 | 10.458 | (1.032) | 270493 | 50.0000 | 48 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 11.046 | 11.046 | (1.090) | 38215 | 50.0000 | 49 |
| | 113 Camphor | 95 | 11.734 | 11.734 | (1.158) | 94072 | 250.000 | 210 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.528 | 11.528 | (1.138) | 180405 | 50.0000 | 49 |
| | 115 Hexachlorobutadiene | 225 | 11.511 | 11.511 | (1.136) | 77652 | 50.0000 | 43 |
| | 116 Naphthalene | 128 | 11.758 | 11.758 | (1.160) | 537721 | 50.0000 | 48 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.887 | 11.887 | (1.173) | 181550 | 50.0000 | 49 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12712.d
Report Date: 23-Sep-2009 11:25

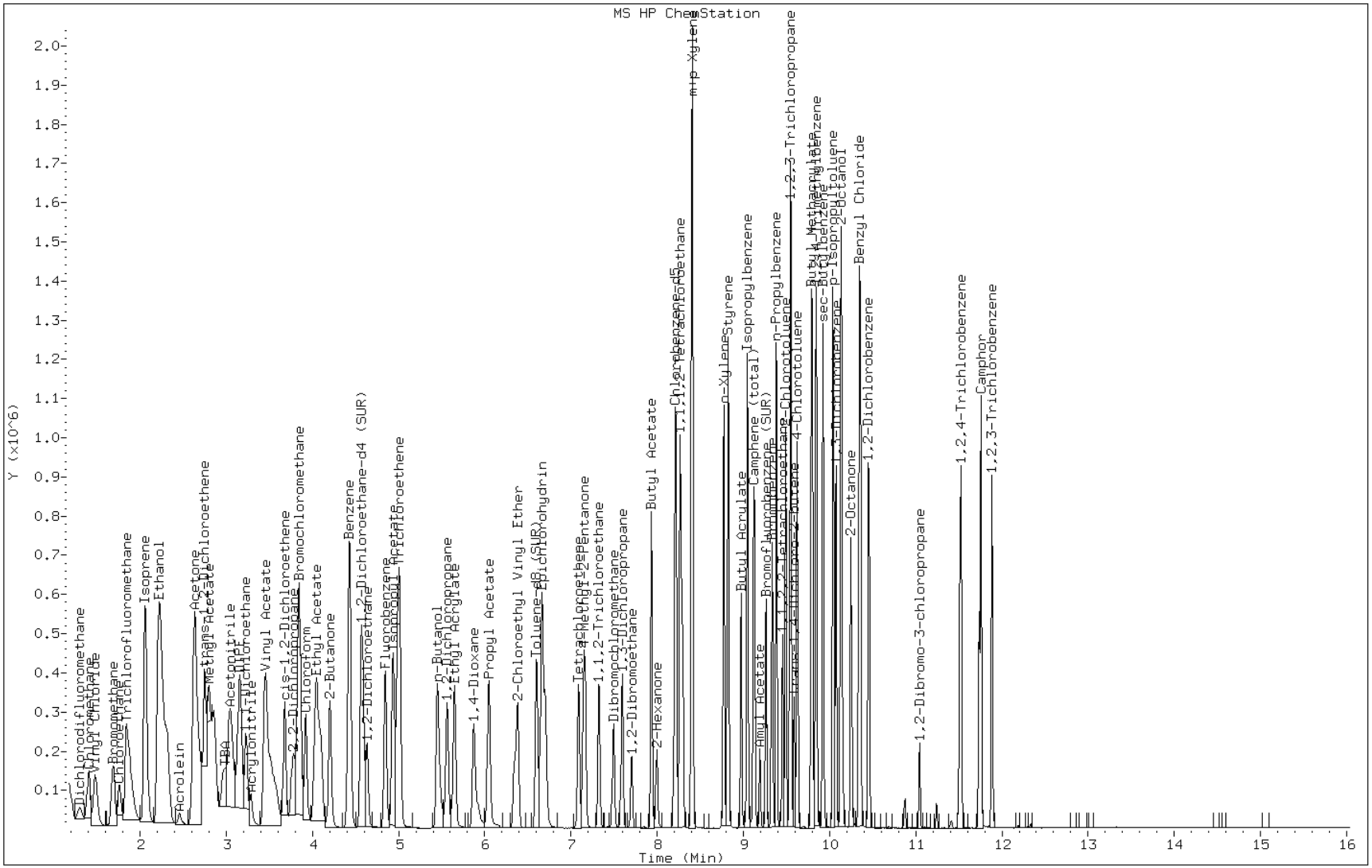
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 270023 | 100.000 | 96 |
| M 121 Xylene (Total) | 100 | | | | 653796 | 150.000 | 140 |

Data File: d12712.d

Date: 21-SEP-2009 07:59

Client ID: Instrument: VOAMS4.i

Sample Info: IC-VM8LCAL4 Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-17651/2 Calibration Date: 09/22/2009 17:08

Instrument ID: VOAMS4 Calib Start Date: 09/21/2009 05:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/21/2009 08:47

Lab File ID: d12783.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | Ave | 0.3686 | 0.3763 | | 20.4 | 20.0 | 2.1 | 50.0 |
| Chloromethane | Ave | 0.5744 | 0.6073 | 0.1000 | 21.1 | 20.0 | 5.7 | 50.0 |
| Vinyl chloride | Ave | 0.5969 | 0.5987 | | 20.1 | 20.0 | 0.3 | 20.0 |
| Bromomethane | Ave | 0.3570 | 0.4203 | | 23.5 | 20.0 | 17.7 | 50.0 |
| Chloroethane | Ave | 0.3177 | 0.4434 | | 27.9 | 20.0 | 39.6 | 50.0 |
| Trichlorofluoromethane | Ave | 0.6016 | 0.7920 | | 26.3 | 20.0 | 31.6 | 50.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.6001 | 0.6571 | | 21.9 | 20.0 | 9.5 | 50.0 |
| Ethyl ether | Ave | 0.3730 | 0.4262 | | 22.9 | 20.0 | 14.3 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.3161 | 0.3550 | | 22.5 | 20.0 | 12.3 | 20.0 |
| Carbon disulfide | Ave | 1.619 | 1.838 | | 22.7 | 20.0 | 13.6 | 50.0 |
| 1,1,2-Trichloro-1,2,2-triflu oroethane | Ave | 0.4172 | 0.4438 | | 21.3 | 20.0 | 6.4 | 50.0 |
| Ethanol | QuaF | 0.0037 | 0.0033 | | 2730 | 3000 | -9.0 | 50.0 |
| Iodomethane | Ave | 0.6343 | 0.7569 | | 23.9 | 20.0 | 19.3 | 50.0 |
| Isopropyl alcohol | Ave | 0.0363 | 0.0378 | | 3120 | 3000 | 4.1 | 50.0 |
| Methylene Chloride | Ave | 0.3879 | 0.4570 | | 23.6 | 20.0 | 17.8 | 50.0 |
| Acetone | LinF | 0.0597 | 0.0557 | | 26.2 | 20.0 | 30.9 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.3170 | 0.3463 | | 21.9 | 20.0 | 9.3 | 50.0 |
| Methyl acetate | Ave | 0.1224 | 0.1345 | | 22.0 | 20.0 | 9.9 | 50.0 |
| Hexane | Ave | 0.3004 | 0.2957 | | 19.7 | 20.0 | -1.6 | 50.0 |
| Methyl tert-butyl ether | Ave | 1.064 | 1.066 | | 20.0 | 20.0 | 0.2 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0572 | 0.0458 | | 320 | 400 | -20.0 | 50.0 |
| Acetonitrile | LinF | 0.0166 | 0.0148 | | 323 | 400 | -19.3 | 50.0 |
| Isopropyl ether | Ave | 1.283 | 1.246 | | 19.4 | 20.0 | -2.9 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.6252 | 0.6342 | 0.1000 | 20.3 | 20.0 | 1.4 | 50.0 |
| Acrylonitrile | Ave | 0.1671 | 0.1478 | | 17.7 | 20.0 | -11.6 | 50.0 |
| Tert-butyl ethyl ether | Ave | 1.134 | 1.129 | 0.0100 | 19.9 | 20.0 | -0.4 | 50.0 |
| Vinyl acetate | Ave | 0.4840 | 0.4658 | | 19.2 | 20.0 | -3.8 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.3513 | 0.3646 | | 20.8 | 20.0 | 3.8 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.4796 | 0.4950 | | 20.6 | 20.0 | 3.2 | 50.0 |
| Chlorobromomethane | Ave | 0.1727 | 0.1813 | | 21.0 | 20.0 | 5.0 | 50.0 |
| Cyclohexane | Ave | 0.7000 | 0.6121 | | 17.5 | 20.0 | -12.6 | 50.0 |
| Chloroform | Ave | 0.5997 | 0.5965 | | 19.9 | 20.0 | -0.5 | 20.0 |
| Carbon tetrachloride | LinF | 0.4620 | 0.4558 | | 17.3 | 20.0 | -13.7 | 50.0 |
| Ethyl acetate | Ave | 0.0401 | 0.0385 | | 38.5 | 40.0 | -3.8 | 50.0 |
| Tetrahydrofuran | Ave | 0.1975 | 0.1738 | | 17.6 | 20.0 | -12.0 | 50.0 |
| 1,1,1-Trichloroethane | Ave | 0.5143 | 0.5064 | | 19.7 | 20.0 | -1.5 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.4159 | 0.3933 | | 18.9 | 20.0 | -5.4 | 50.0 |
| 2-Butanone (MEK) | LinF | 0.0575 | 0.0560 | | 16.5 | 20.0 | -17.5 | 50.0 |
| n-Heptane | Ave | 0.2162 | 0.1984 | | 18.4 | 20.0 | -8.2 | 50.0 |
| Benzene | Ave | 1.871 | 2.092 | | 22.4 | 20.0 | 11.9 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-17651/2 Calibration Date: 09/22/2009 17:08

Instrument ID: VOAMS4 Calib Start Date: 09/21/2009 05:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/21/2009 08:47

Lab File ID: d12783.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Tert-amyl methyl ether | Ave | 0.9497 | 0.9682 | | 20.4 | 20.0 | 2.0 | 50.0 |
| 1,2-Dichloroethane | Ave | 0.4680 | 0.4972 | | 21.3 | 20.0 | 6.3 | 50.0 |
| Isopropyl acetate | Ave | 0.7734 | 0.6901 | | 35.7 | 40.0 | -10.8 | 50.0 |
| Methylcyclohexane | Ave | 0.5696 | 0.5237 | | 18.4 | 20.0 | -8.1 | 50.0 |
| Trichloroethene | Ave | 0.3195 | 0.3281 | | 20.5 | 20.0 | 2.7 | 50.0 |
| Dibromomethane | Ave | 0.2189 | 0.2587 | | 23.6 | 20.0 | 18.2 | 50.0 |
| n-Butanol | QuaF | 0.0123 | 0.0109 | | 1440 | 1500 | -4.2 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.3559 | 0.4024 | | 22.6 | 20.0 | 13.1 | 20.0 |
| Ethyl acrylate | Ave | 0.4384 | 0.4126 | | 18.8 | 20.0 | -5.9 | 50.0 |
| Dichlorobromomethane | Ave | 0.4603 | 0.5175 | | 22.5 | 20.0 | 12.4 | 50.0 |
| Methyl methacrylate | LinF | 0.0761 | 0.0770 | | 16.7 | 20.0 | -16.4 | 50.0 |
| 1,4-Dioxane | Ave | 0.0049 | 0.0046 | | 2800 | 3000 | -6.5 | 50.0 |
| n-Propyl acetate | Ave | 0.5775 | 0.5136 | | 35.6 | 40.0 | -11.1 | 50.0 |
| 2-Chloroethyl vinyl ether | LinF | 0.2035 | 0.1824 | | 14.2 | 20.0 | -28.8 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.6997 | 0.7472 | | 21.4 | 20.0 | 6.8 | 50.0 |
| Toluene | Ave | 1.911 | 2.003 | | 21.0 | 20.0 | 4.8 | 20.0 |
| Epichlorohydrin | Ave | 0.0633 | 0.0610 | | 385 | 400 | -3.7 | 50.0 |
| Tetrachloroethene | Ave | 0.4043 | 0.4021 | | 19.9 | 20.0 | -0.5 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.5708 | 0.5303 | | 18.6 | 20.0 | -7.1 | 50.0 |
| trans-1,3-Dichloropropene | Ave | 0.6352 | 0.6173 | | 19.4 | 20.0 | -2.8 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.3587 | 0.3615 | | 20.2 | 20.0 | 0.8 | 50.0 |
| Chlorodibromomethane | Ave | 0.4399 | 0.4506 | | 20.5 | 20.0 | 2.4 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.6880 | 0.6698 | | 19.5 | 20.0 | -2.7 | 50.0 |
| Ethylene Dibromide | Ave | 0.3917 | 0.3857 | | 19.7 | 20.0 | -1.5 | 50.0 |
| n-Butyl acetate | LinF | 0.1193 | 0.0998 | | 27.5 | 40.0 | -31.2 | 50.0 |
| 2-Hexanone | LinF | 0.3595 | 0.3482 | | 16.4 | 20.0 | -18.1 | 50.0 |
| Chlorobenzene | Ave | 1.142 | 1.101 | 0.3000 | 19.3 | 20.0 | -3.6 | 50.0 |
| Ethylbenzene | Ave | 0.5781 | 0.5577 | | 19.3 | 20.0 | -3.5 | 20.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.4754 | 0.4785 | | 20.1 | 20.0 | 0.6 | 50.0 |
| m-Xylene & p-Xylene | Ave | 0.6992 | 0.7003 | | 40.1 | 40.0 | 0.2 | 50.0 |
| o-Xylene | LinF | 0.6789 | 0.6586 | | 16.8 | 20.0 | -16.2 | 50.0 |
| Styrene | LinF | 1.074 | 1.050 | | 15.9 | 20.0 | -20.5 | 50.0 |
| Bromoform | Ave | 0.3072 | 0.2967 | 0.1000 | 19.3 | 20.0 | -3.4 | 50.0 |
| n-Butyl acrylate | LinF | 0.3027 | 0.2699 | | 13.9 | 20.0 | -30.3 | 50.0 |
| Isopropylbenzene | LinF | 1.828 | 1.807 | | 17.0 | 20.0 | -15.2 | 50.0 |
| Camphene | LinF | 0.5738 | 0.5521 | | 15.7 | 20.0 | -21.7 | 50.0 |
| Amyl acetate (mixed isomers) | LinF | 0.5295 | 0.4008 | | 12.6 | 20.0 | -37.0 | 50.0 |
| Bromobenzene | Ave | 0.9429 | 0.7218 | | 15.3 | 20.0 | -23.4 | 50.0 |
| N-Propylbenzene | Ave | 4.689 | 3.860 | | 16.5 | 20.0 | -17.7 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 1.319 | 1.093 | 0.3000 | 16.6 | 20.0 | -17.2 | 50.0 |
| 2-Chlorotoluene | Ave | 2.819 | 2.350 | | 16.7 | 20.0 | -16.7 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-17651/2 Calibration Date: 09/22/2009 17:08

Instrument ID: VOAMS4 Calib Start Date: 09/21/2009 05:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/21/2009 08:47

Lab File ID: d12783.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | Ave | 0.3622 | 0.3014 | | 16.6 | 20.0 | -16.8 | 50.0 |
| 1,3,5-Trimethylbenzene | LinF | 3.220 | 2.760 | | 14.8 | 20.0 | -26.2 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.3481 | 0.2611 | | 15.0 | 20.0 | -25.0 | 50.0 |
| 4-Chlorotoluene | Ave | 2.693 | 2.297 | | 17.1 | 20.0 | -14.7 | 50.0 |
| tert-Butylbenzene | LinF | 2.519 | 2.213 | | 14.9 | 20.0 | -25.6 | 50.0 |
| Butyl Methacrylate | LinF | 1.120 | 1.066 | | 15.2 | 20.0 | -23.8 | 50.0 |
| 1,2,4-Trimethylbenzene | LinF | 3.303 | 3.338 | | 17.7 | 20.0 | -11.5 | 50.0 |
| sec-Butylbenzene | LinF | 4.286 | 4.071 | | 16.7 | 20.0 | -16.3 | 50.0 |
| 4-Isopropyltoluene | LinF | 3.348 | 3.091 | | 15.7 | 20.0 | -21.7 | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.774 | 1.682 | | 19.0 | 20.0 | -5.2 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.843 | 1.752 | | 19.0 | 20.0 | -4.9 | 50.0 |
| 2-Octanone | LinF | 1.846 | 1.523 | | 13.3 | 20.0 | -33.3 | 50.0 |
| Benzyl chloride | LinF | 5.593 | 5.238 | | 17.2 | 20.0 | -14.2 | 50.0 |
| n-Butylbenzene | LinF | 5.593 | 5.238 | | 17.2 | 20.0 | -14.2 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.835 | 1.712 | | 18.7 | 20.0 | -6.7 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.2565 | 0.1877 | | 14.6 | 20.0 | -26.8 | 50.0 |
| Hexachlorobutadiene | LinF | 0.5468 | 0.4102 | | 13.8 | 20.0 | -31.1 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 1.209 | 0.8785 | | 14.5 | 20.0 | -27.3 | 50.0 |
| Naphthalene | LinF | 3.250 | 2.460 | | 13.3 | 20.0 | -33.3 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 1.212 | 0.8871 | | 14.6 | 20.0 | -26.8 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.3251 | 0.3397 | | 52.3 | 50.0 | 4.5 | 50.0 |
| Toluene-d8 (Surr) | Ave | 1.109 | 1.226 | | 55.3 | 50.0 | 10.5 | 50.0 |
| 4-Bromofluorobenzene | Ave | 0.7459 | 0.6198 | | 41.6 | 50.0 | -16.9 | 50.0 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12783.d
Report Date: 29-Sep-2009 13:52

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12783.d
Lab Smp Id: CCVIS
Inj Date : 22-SEP-2009 17:08
Operator : Inst ID: VOAMS4.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 29-Sep-2009 13:52 delpolit Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 1.317 | 1.317 | (0.271) | 49782 | 20.0000 | 20 |
| 3 Chloromethane | 50 | 1.423 | 1.423 | (0.293) | 80338 | 20.0000 | 21 |
| 4 Vinyl Chloride | 62 | 1.494 | 1.494 | (0.308) | 79194 | 20.0000 | 20 |
| 6 Bromomethane | 94 | 1.705 | 1.705 | (0.351) | 55601 | 20.0000 | 24 |
| 5 Chloroethane | 64 | 1.776 | 1.776 | (0.366) | 58652 | 20.0000 | 28 |
| 7 Trichlorofluoromethane | 101 | 1.900 | 1.900 | (0.391) | 104762 | 20.0000 | 26 |
| 8 n-Pentane | 72 | 1.864 | 1.864 | (0.384) | 12085 | 20.0000 | 31 |
| 9 Ethanol | 46 | 2.294 | 2.294 | (0.473) | 64486 | 3000.00 | 2700 |
| 10 Isoprene | 67 | 2.076 | 2.076 | (0.428) | 86925 | 20.0000 | 22 |
| 11 Ethyl Ether | 59 | 2.088 | 2.088 | (0.430) | 56373 | 20.0000 | 23 |
| 15 1,1-Dichloroethene | 96 | 2.229 | 2.229 | (0.459) | 46964 | 20.0000 | 22 |
| 14 Freon TF | 101 | 2.288 | 2.288 | (0.471) | 58699 | 20.0000 | 21 |
| 16 Acetone | 58 | 2.688 | 2.688 | (0.554) | 7365 | 20.0000 | 26 |
| 17 Iodomethane | 142 | 2.335 | 2.335 | (0.481) | 100118 | 20.0000 | 24 |
| 18 Carbon Disulfide | 76 | 2.247 | 2.247 | (0.463) | 243176 | 20.0000 | 23 |
| 19 Isopropanol | 45 | 2.629 | 2.629 | (0.542) | 750673 | 3000.00 | 3100 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12783.d
Report Date: 29-Sep-2009 13:52

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 3.058 | 3.058 | (0.630) | 39261 | 400.000 | 320 |
| | 27 Methyl Acetate | 74 | 2.794 | 2.794 | (0.576) | 17786 | 20.0000 | 22 |
| | 22 Methylene Chloride | 84 | 2.647 | 2.647 | (0.545) | 60450 | 20.0000 | 24 |
| | 24 TBA | 59 | 2.982 | 2.982 | (0.614) | 121066 | 400.000 | 320 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.758 | 2.758 | (0.568) | 45814 | 20.0000 | 22 |
| | 26 Acrylonitrile | 53 | 3.294 | 3.294 | (0.679) | 19551 | 20.0000 | 18 |
| | 28 MTBE | 73 | 2.864 | 2.864 | (0.590) | 141022 | 20.0000 | 20 |
| | 29 Hexane | 56 | 2.823 | 2.823 | (0.582) | 39114 | 20.0000 | 20 |
| | 30 1,1-Dichloroethane | 63 | 3.246 | 3.246 | (0.669) | 83890 | 20.0000 | 20 |
| | 31 Vinyl Acetate | 43 | 3.464 | 3.464 | (0.714) | 61621 | 20.0000 | 19 |
| | 32 DIPE | 45 | 3.170 | 3.170 | (0.653) | 164794 | 20.0000 | 19 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.458 | 3.458 | (0.713) | 149343 | 20.0000 | 20 |
| | 37 2,2-Dichloropropane | 77 | 3.788 | 3.788 | (0.781) | 65475 | 20.0000 | 21 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.688 | 3.688 | (0.760) | 48234 | 20.0000 | 21 |
| | 38 2-Butanone | 72 | 4.217 | 4.217 | (0.869) | 7404 | 20.0000 | 16 |
| | 39 Ethyl Acetate | 70 | 4.064 | 4.064 | (0.838) | 10192 | 40.0000 | 38 |
| | 40 Bromochloromethane | 128 | 3.858 | 3.858 | (0.795) | 23977 | 20.0000 | 21 |
| | 41 Tetrahydrofuran | 42 | 4.070 | 4.070 | (0.839) | 22986 | 20.0000 | 18 |
| | 42 Chloroform | 83 | 3.935 | 3.935 | (0.811) | 78903 | 20.0000 | 20 |
| | 43 1,1,1-Trichloroethane | 97 | 4.105 | 4.105 | (0.846) | 66985 | 20.0000 | 20 |
| | 44 Cyclohexane | 56 | 3.858 | 3.858 | (0.795) | 80969 | 20.0000 | 17 |
| | 45 Carbon Tetrachloride | 117 | 4.041 | 4.041 | (0.833) | 60287 | 20.0000 | 17 |
| | 46 1,1-Dichloropropene | 75 | 4.211 | 4.211 | (0.868) | 52025 | 20.0000 | 19 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.582 | 4.582 | (0.944) | 112357 | 50.0000 | 52 |
| | 48 Benzene | 78 | 4.446 | 4.446 | (0.542) | 181030 | 20.0000 | 22 |
| | 49 1,2-Dichloroethane | 62 | 4.641 | 4.641 | (0.956) | 65774 | 20.0000 | 21 |
| | 51 n-Heptane | 57 | 4.435 | 4.435 | (0.914) | 26248 | 20.0000 | 18 |
| | 50 t-Amyl-methyl-ether | 73 | 4.582 | 4.582 | (0.944) | 128078 | 20.0000 | 20 |
| | 61 Isopropyl Acetate | 43 | 4.940 | 4.940 | (1.018) | 182566 | 40.0000 | 36 |
| * | 52 Fluorobenzene | 96 | 4.852 | 4.852 | (1.000) | 330699 | 50.0000 | |
| | 54 Trichloroethene | 95 | 5.017 | 5.017 | (1.034) | 43401 | 20.0000 | 20 |
| | 53 n-Butanol | 56 | 5.458 | 5.458 | (1.125) | 108562 | 1500.00 | 1400 |
| | 56 Methyl cyclohexane | 83 | 5.005 | 5.005 | (1.032) | 69271 | 20.0000 | 18 |
| | 55 Ethyl Acrylate | 55 | 5.652 | 5.652 | (1.165) | 54574 | 20.0000 | 19 |
| | 57 1,2-Dichloropropane | 63 | 5.570 | 5.570 | (1.148) | 53223 | 20.0000 | 23 |
| | 58 Dibromomethane | 93 | 5.458 | 5.458 | (1.125) | 34226 | 20.0000 | 24 |
| | 60 1,4-Dioxane | 88 | 5.887 | 5.887 | (1.213) | 91643 | 3000.00 | 2800 |
| | 59 Methyl Methacrylate | 100 | 5.870 | 5.870 | (1.210) | 10186 | 20.0000 | 17 |
| | 75 Propyl Acetate | 43 | 6.052 | 6.052 | (1.247) | 135864 | 40.0000 | 36 |
| | 68 Bromodichloromethane | 83 | 5.658 | 5.658 | (1.166) | 68460 | 20.0000 | 22 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 6.352 | 6.352 | (1.309) | 24123 | 20.0000 | 14 |
| | 63 Epichlorohydrin | 57 | 6.705 | 6.705 | (0.817) | 105492 | 400.000 | 380 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.387 | 6.387 | (0.778) | 64645 | 20.0000 | 21 |
| | 70 4-Methyl-2-Pentanone | 43 | 7.146 | 7.146 | (0.870) | 45884 | 20.0000 | 18 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.605 | 6.605 | (0.804) | 265143 | 50.0000 | 55 |
| | 66 Toluene | 91 | 6.670 | 6.670 | (0.812) | 173298 | 20.0000 | 21 |
| | 64 trans-1,3-Dichloropropene | 75 | 7.164 | 7.164 | (0.872) | 53408 | 20.0000 | 19 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12783.d
Report Date: 29-Sep-2009 13:52

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 69 | 1,1,2-Trichloroethane | 83 | 7.329 | 7.329 | (0.893) | 31277 | 20.0000 | 20 |
| 71 | Tetrachloroethene | 166 | 7.093 | 7.093 | (0.864) | 34792 | 20.0000 | 20 |
| 72 | 1,3-Dichloropropane | 76 | 7.599 | 7.599 | (0.925) | 57951 | 20.0000 | 19 |
| 73 | 2-Hexanone | 43 | 7.999 | 7.999 | (0.974) | 30126 | 20.0000 | 16 |
| 74 | Dibromochloromethane | 129 | 7.499 | 7.499 | (0.913) | 38986 | 20.0000 | 20 |
| 76 | Butyl Acetate | 73 | 7.940 | 7.940 | (0.967) | 17271 | 40.0000 | 28 |
| 77 | 1,2-Dibromoethane | 107 | 7.705 | 7.705 | (0.938) | 33367 | 20.0000 | 20 |
| * 78 | Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 216302 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.223 | 8.223 | (1.001) | 95246 | 20.0000 | 19 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.293 | 8.293 | (1.010) | 41400 | 20.0000 | 20 |
| 81 | Ethylbenzene | 106 | 8.270 | 8.270 | (1.007) | 48248 | 20.0000 | 19 |
| 82 | m+p-Xylene | 106 | 8.411 | 8.411 | (1.024) | 121182 | 40.0000 | 40 |
| 84 | o-Xylene | 106 | 8.776 | 8.776 | (1.069) | 56985 | 20.0000 | 17 |
| 85 | Styrene | 104 | 8.823 | 8.823 | (1.075) | 90820 | 20.0000 | 16 |
| 83 | Butyl Acrylate | 73 | 8.976 | 8.976 | (1.093) | 23350 | 20.0000 | 14 |
| 86 | Bromoform | 173 | 8.828 | 8.828 | (1.075) | 25666 | 20.0000 | 19 |
| 87 | Amyl Acetate | 43 | 9.193 | 9.193 | (0.907) | 20388 | 20.0000 | 13 |
| 88 | Isopropylbenzene | 105 | 9.046 | 9.046 | (1.102) | 156337 | 20.0000 | 17 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 78818 | 50.0000 | 42 |
| 90 | Camphene (total) | 93 | 9.128 | 9.128 | (1.112) | 47767 | 20.0000 | 16 |
| 91 | Bromobenzene | 156 | 9.334 | 9.334 | (0.921) | 36712 | 20.0000 | 15 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.458 | 9.458 | (0.933) | 55594 | 20.0000 | 16 |
| 93 | 1,2,3-Trichloropropane | 110 | 9.546 | 9.546 | (0.942) | 15328 | 20.0000 | 17 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.593 | 9.593 | (0.947) | 13280 | 20.0000 | 15 |
| 95 | n-Propylbenzene | 91 | 9.387 | 9.387 | (0.926) | 196320 | 20.0000 | 16 |
| 96 | 2-Chlorotoluene | 91 | 9.493 | 9.493 | (0.937) | 119503 | 20.0000 | 17 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.552 | 9.552 | (0.943) | 140406 | 20.0000 | 15 |
| 98 | 4-Chlorotoluene | 91 | 9.628 | 9.628 | (0.950) | 116846 | 20.0000 | 17 |
| 99 | Butyl Methacrylate | 87 | 9.805 | 9.805 | (0.967) | 54219 | 20.0000 | 15 |
| 100 | tert-Butylbenzene | 119 | 9.793 | 9.793 | (0.966) | 112554 | 20.0000 | 15 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.846 | 9.846 | (0.972) | 169782 | 20.0000 | 18 |
| 102 | 2-Octanone | 43 | 10.252 | 10.252 | (1.012) | 77488 | 20.0000 | 13 |
| 103 | sec-Butylbenzene | 105 | 9.928 | 9.928 | (0.980) | 207042 | 20.0000 | 17 |
| 104 | 2-Octanol | 45 | 10.128 | 10.128 | (0.999) | 28527 | 20.0000 | 14 |
| 105 | 1,3-Dichlorobenzene | 146 | 10.075 | 10.075 | (0.994) | 85542 | 20.0000 | 19 |
| 107 | p-Isopropyltoluene | 119 | 10.046 | 10.046 | (0.991) | 157196 | 20.0000 | 16 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 127158 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 10.146 | 10.146 | (1.001) | 89134 | 20.0000 | 19 |
| 110 | Benzyl Chloride | 91 | 10.358 | 10.358 | (1.022) | 266407 | 20.0000 | 17 |
| 106 | n-Butylbenzene | 91 | 10.358 | 10.358 | (1.022) | 266407 | 20.0000 | 17 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.458 | 10.458 | (1.032) | 87059 | 20.0000 | 19 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 11.046 | 11.046 | (1.090) | 9549 | 20.0000 | 15 |
| 113 | Camphor | 95 | 11.734 | 11.734 | (1.158) | 18920 | 100.000 | 50 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.528 | 11.528 | (1.138) | 44685 | 20.0000 | 14 |
| 115 | Hexachlorobutadiene | 225 | 11.511 | 11.511 | (1.136) | 20863 | 20.0000 | 14 |
| 116 | Naphthalene | 128 | 11.764 | 11.764 | (1.161) | 125133 | 20.0000 | 13 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.887 | 11.887 | (1.173) | 45119 | 20.0000 | 15 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12783.d
Report Date: 29-Sep-2009 13:52

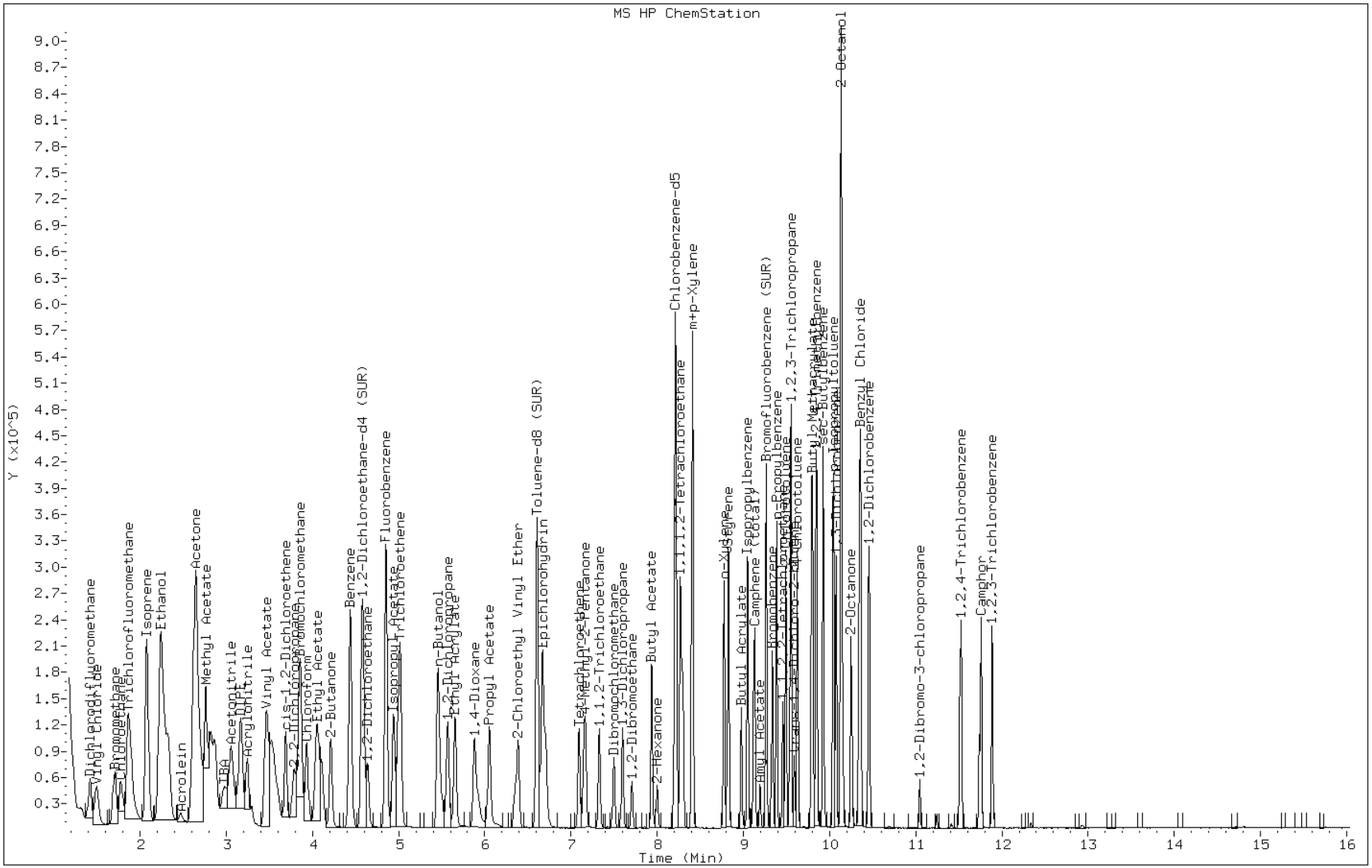
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 94048 | 40.0000 | 42 |
| M 121 Xylene (Total) | 100 | | | | 178167 | 60.0000 | 52 |

Data File: d12783.d

Date: 22-SEP-2009 17:08

Client ID: Instrument: VOAMS4.i

Sample Info: CCVIS Operator:



Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12706.d
Report Date: 21-Sep-2009 05:35

TestAmerica

Data file : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12706.d
Lab Smp Id: BFB
Inj Date : 21-SEP-2009 05:32
Operator : VOAMS 1 Inst ID: VOAMS4.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/VOABFB.m
Meth Date : 28-Apr-2009 16:44 haitmane Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

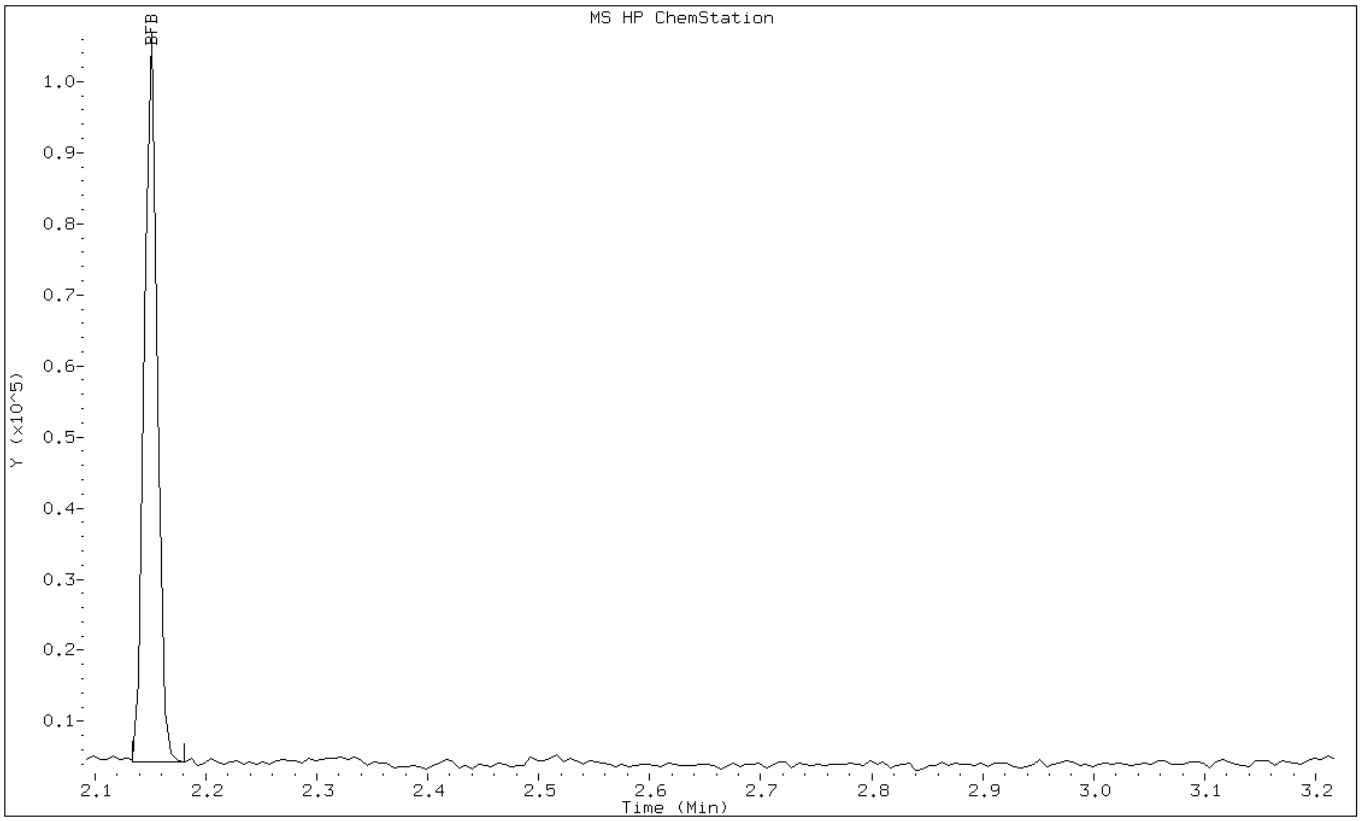
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 2.152 | 2.200 (0.000) | 95 | 15145 | | | 0.00- 100.00 | 100.00 |
| 2.152 | 2.200 (0.000) | 50 | 3236 | | | 15.00- 40.00 | 21.37 |
| 2.152 | 2.200 (0.000) | 75 | 7668 | | | 30.00- 60.00 | 50.63 |
| 2.152 | 2.200 (0.000) | 96 | 973 | | | 5.00- 9.00 | 6.42 |
| 2.152 | 2.200 (0.000) | 173 | 0 | | | 0.00- 2.00 | 0.00 |
| 2.152 | 2.200 (0.000) | 174 | 11187 | | | 50.00- 100.00 | 73.87 |
| 2.152 | 2.200 (0.000) | 175 | 931 | | | 5.00- 9.00 | 8.32 |
| 2.152 | 2.200 (0.000) | 176 | 11080 | | | 95.00- 101.00 | 99.04 |
| 2.152 | 2.200 (0.000) | 177 | 708 | | | 5.00- 9.00 | 6.39 |

Data File: d12706.d

Date: 21-SEP-2009 05:32

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1



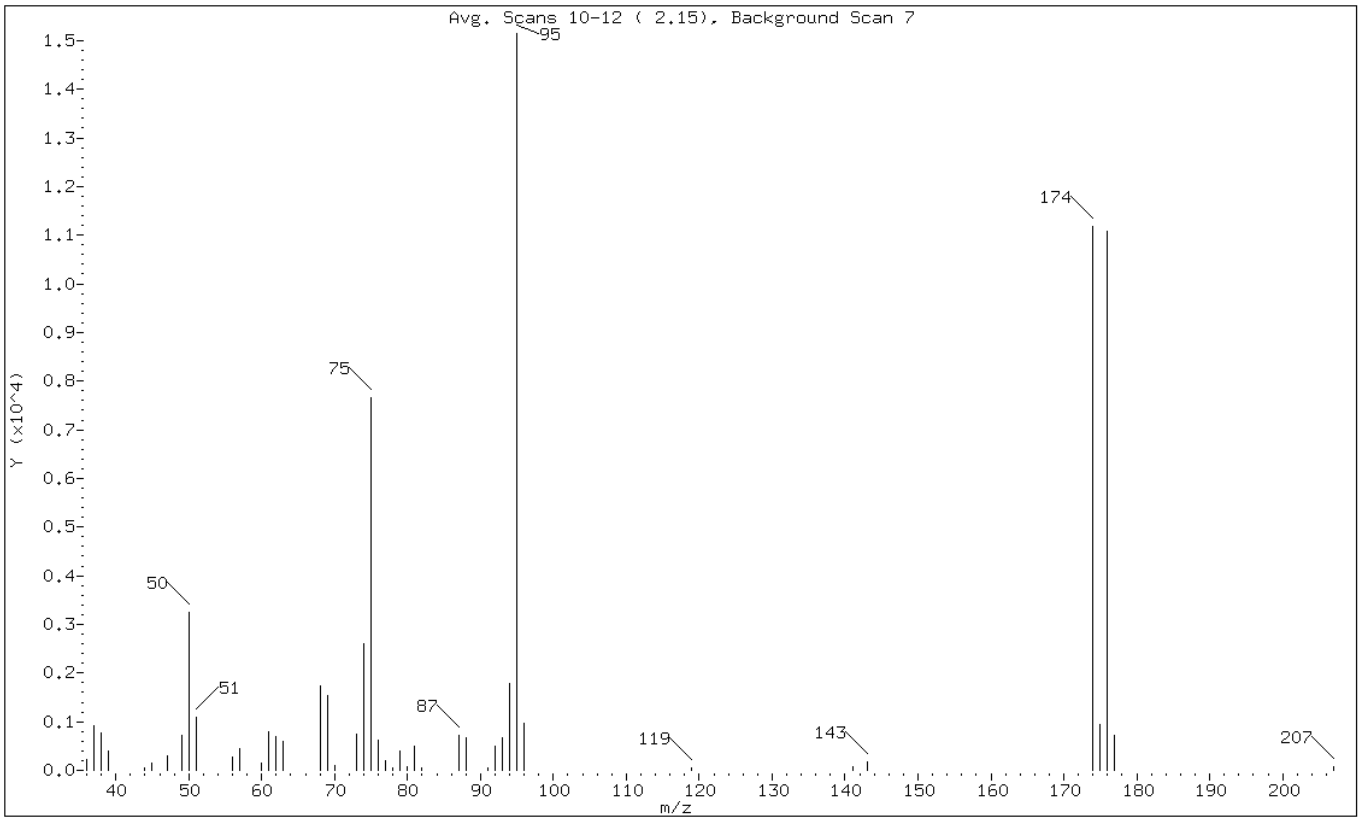
Data File: d12706.d

Date: 21-SEP-2009 05:32

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 21.37 |
| 75 | 30.00 - 60.00% of mass 95 | 50.63 |
| 96 | 5.00 - 9.00% of mass 95 | 6.42 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | 50.00 - 100.00% of mass 95 | 73.87 |
| 175 | 5.00 - 9.00% of mass 174 | 6.15 ( 8.32) |
| 176 | 95.00 - 101.00% of mass 174 | 73.16 ( 99.04) |
| 177 | 5.00 - 9.00% of mass 176 | 4.67 ( 6.39) |

Data File: d12706.d

Date: 21-SEP-2009 05:32

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b/d12706.d
Spectrum: Avg. Scans 10-12 ( 2.15), Background Scan 7
Location of Maximum: 95.00
Number of points: 45

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 233 | 60.00 | 139 | 78.00 | 52 | 96.00 | 973 |
| 37.00 | 911 | 61.00 | 787 | 79.00 | 408 | 119.00 | 51 |
| 38.00 | 773 | 62.00 | 684 | 80.00 | 68 | 141.00 | 72 |
| 39.00 | 393 | 63.00 | 584 | 81.00 | 499 | 143.00 | 183 |
| 44.00 | 56 | 68.00 | 1723 | 82.00 | 53 | 174.00 | 11187 |
| 45.00 | 159 | 69.00 | 1549 | 87.00 | 731 | 175.00 | 931 |
| 47.00 | 296 | 70.00 | 104 | 88.00 | 666 | 176.00 | 11080 |
| 49.00 | 725 | 73.00 | 751 | 91.00 | 51 | 177.00 | 708 |
| 50.00 | 3236 | 74.00 | 2608 | 92.00 | 488 | 207.00 | 66 |
| 51.00 | 1099 | 75.00 | 7668 | 93.00 | 659 | | |
| 56.00 | 276 | 76.00 | 628 | 94.00 | 1774 | | |
| 57.00 | 446 | 77.00 | 205 | 95.00 | 15145 | | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12782.d
Report Date: 23-Sep-2009 09:22

TestAmerica

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12782.d
Lab Smp Id: BFB
Inj Date : 22-SEP-2009 16:45
Operator : VOAMS 1 Inst ID: VOAMS4.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/VOABFB.m
Meth Date : 28-Apr-2009 16:44 haitmane Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

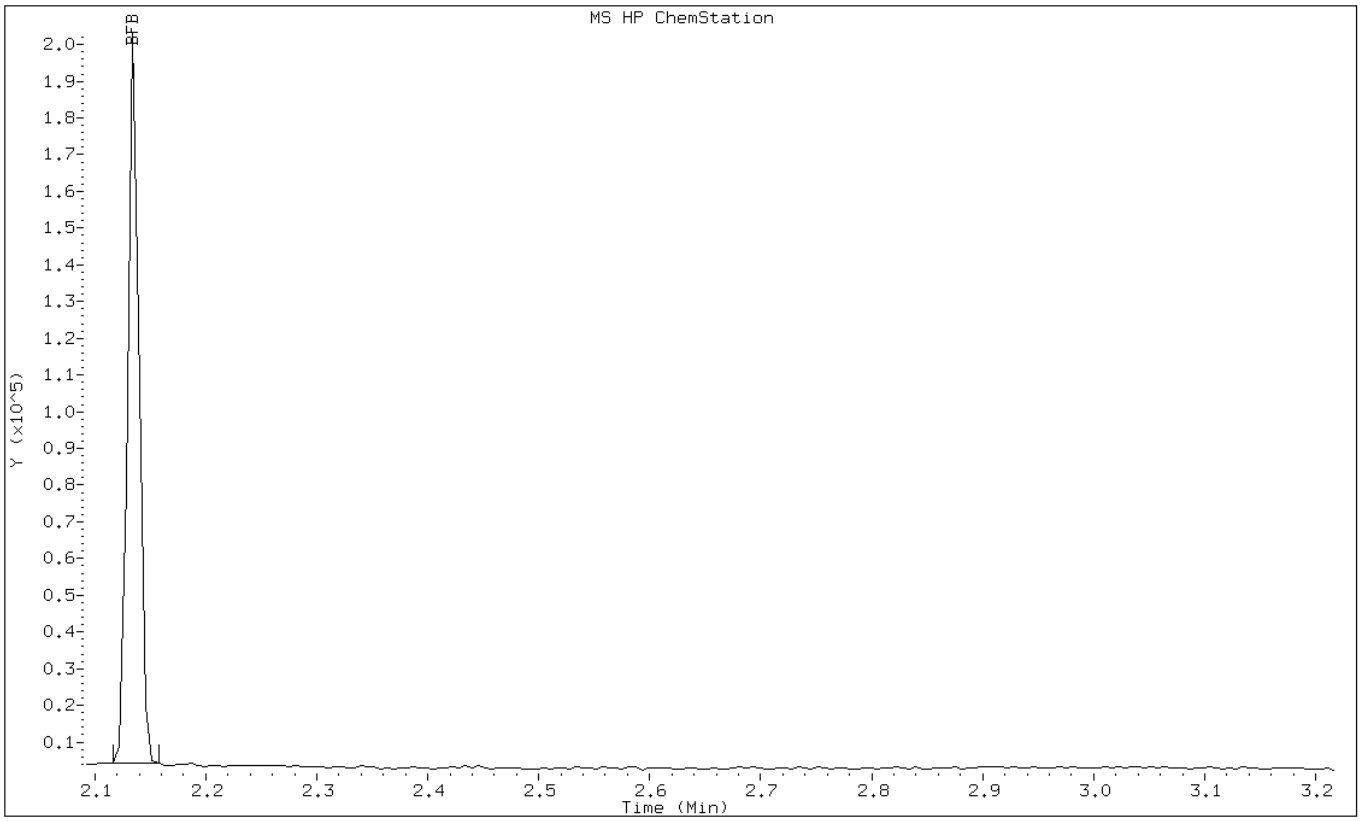
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 2.134 | 2.200 (0.000) | 95 | 26568 | | | 0.00- 100.00 | 100.00 |
| 2.134 | 2.200 (0.000) | 50 | 6103 | | | 15.00- 40.00 | 22.97 |
| 2.134 | 2.200 (0.000) | 75 | 13608 | | | 30.00- 60.00 | 51.22 |
| 2.134 | 2.200 (0.000) | 96 | 1881 | | | 5.00- 9.00 | 7.08 |
| 2.134 | 2.200 (0.000) | 173 | 235 | | | 0.00- 2.00 | 1.17 |
| 2.134 | 2.200 (0.000) | 174 | 20096 | | | 50.00- 100.00 | 75.64 |
| 2.134 | 2.200 (0.000) | 175 | 1572 | | | 5.00- 9.00 | 7.82 |
| 2.134 | 2.200 (0.000) | 176 | 19464 | | | 95.00- 101.00 | 96.86 |
| 2.134 | 2.200 (0.000) | 177 | 1266 | | | 5.00- 9.00 | 6.50 |

Data File: d12782.d

Date: 22-SEP-2009 16:45

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1



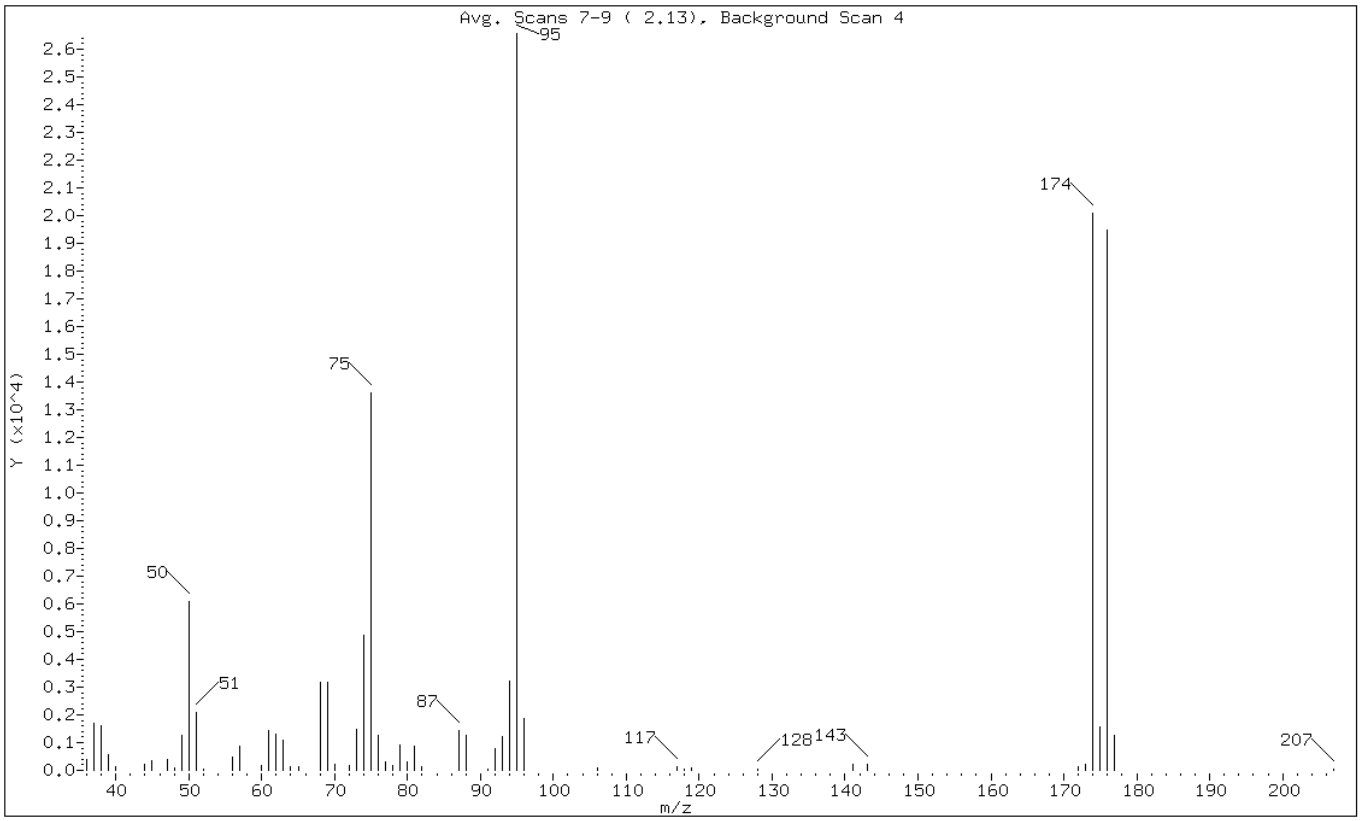
Data File: d12782.d

Date: 22-SEP-2009 16:45

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 22.97 |
| 75 | 30.00 - 60.00% of mass 95 | 51.22 |
| 96 | 5.00 - 9.00% of mass 95 | 7.08 |
| 173 | Less than 2.00% of mass 174 | 0.88 ( 1.17) |
| 174 | 50.00 - 100.00% of mass 95 | 75.64 |
| 175 | 5.00 - 9.00% of mass 174 | 5.92 ( 7.82) |
| 176 | 95.00 - 101.00% of mass 174 | 73.26 ( 96.86) |
| 177 | 5.00 - 9.00% of mass 176 | 4.77 ( 6.50) |

Data File: d12782.d

Date: 22-SEP-2009 16:45

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12782.d
Spectrum: Avg. Scans 7-9 ( 2.13), Background Scan 4
Location of Maximum: 95.00
Number of points: 57

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 400 | 60.00 | 179 | 78.00 | 192 | 118.00 | 64 |
| 37.00 | 1688 | 61.00 | 1431 | 79.00 | 911 | 119.00 | 88 |
| 38.00 | 1601 | 62.00 | 1303 | 80.00 | 300 | 128.00 | 64 |
| 39.00 | 586 | 63.00 | 1093 | 81.00 | 868 | 141.00 | 202 |
| 40.00 | 128 | 64.00 | 147 | 82.00 | 134 | 143.00 | 212 |
| 44.00 | 232 | 65.00 | 121 | 87.00 | 1424 | 172.00 | 110 |
| 45.00 | 339 | 68.00 | 3171 | 88.00 | 1279 | 173.00 | 235 |
| 47.00 | 384 | 69.00 | 3161 | 91.00 | 51 | 174.00 | 20096 |
| 48.00 | 108 | 70.00 | 230 | 92.00 | 768 | 175.00 | 1572 |
| 49.00 | 1266 | 72.00 | 178 | 93.00 | 1216 | 176.00 | 19464 |
| 50.00 | 6103 | 73.00 | 1457 | 94.00 | 3219 | 177.00 | 1266 |
| 51.00 | 2081 | 74.00 | 4855 | 95.00 | 26568 | 207.00 | 43 |
| 52.00 | 54 | 75.00 | 13608 | 96.00 | 1881 | | |
| 56.00 | 469 | 76.00 | 1246 | 106.00 | 75 | | |
| 57.00 | 891 | 77.00 | 305 | 117.00 | 119 | | |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS4.i

Analytical Batch: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b

Date Generated: 09/21/2009

Page 1

# ~~EM 09/21/09~~ 17459 17450

| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 8260 HIGH | |
| 09/21/09 0532 | d12706.d | 2 | BFB | | 0 | 0 | 1 | all | | 8260 IS: 206419 | |
| 09/21/09 0557 | d12707.d | 1 | IC-VM8LCAL3 | | 5 | 0 | 1 | all | | SURR 500: | G |
| 09/21/09 0622 | d12708.d | 2 | IC-VM8LCAL2 | | 5 | 0 | 1 | all | | SURR 250: 194539 | G |
| 09/21/09 0646 | d12709.d | 3 | IC-VM8LCAL2 | | 5 | 0 | 1 | all | | GAS 500: 200474 | |
| 09/21/09 0710 | d12710.d | 4 | IC-VM8LCAL1 | | 5 | 0 | 1 | all | | MIX 1 500: 185441 | NG not used |
| 09/21/09 0734 | d12711.d | 5 | IC-VM8LCAL1 | | 5 | 0 | 1 | all | | MIX 2 500: 185455 | |
| 09/21/09 0759 | d12712.d | 6 | ICIS-VM8LCAL4 | | 5 | 0 | 1 | all | | MIX 3: 185456 | G |
| 09/21/09 0823 | d12713.d | 7 | IC-VM8LCAL5 | | 5 | 0 | 1 | all | | AC/AC: 185458 | |
| 09/21/09 0847 | d12714.d | 8 | IC-VM8LCAL6 | | 5 | 0 | 1 | all | | GAS SP: 200475 | NG not used |
| 09/21/09 0911 | d12715.d | 9 | BLANK | | 5 | 0 | 1 | all | | 8260 SP: 185453 | |
| 09/21/09 0935 | d12716.d | 10 | ICV | | 5 | 0 | 1 | all | | MIX 3 SP: 185457 | G |
| 09/21/09 1000 | d12717.d | 11 | ICV | | 5 | 0 | 1 | all | | AC/AC SP: 185459 | G |
| 09/21/09 1000 | d12717a. | 11 | LCS | | 5 | 0 | 1 | all | | MISC: Hexane 185460 | G |
| 09/21/09 1024 | d12718.d | 4 | MB | | 5 | 0 | 1 | all | | DFB: 185461 | G |
| | | | | | | | | | | Mecn: 632679 | G |
| | | | | | | | | | | | - |
| | | | | | | | | | | | NG spk ↓ |
| | | | | | | | | | | | G |
| | | | | | | | | | | | G |
| | | | | | | | | | | | NG c/o |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS4.i

Analytical Batch: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b

Date Generated: 09/21/2009

Page 2

| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 1049 | d12719.d | 5 | MB | | 5 | 0 | 1 | all | | | NM C/O |
| 09/21/09 1113 | d12720.d | 6 | MB | | 5 | 0 | 1 | all | | | G |
| 09/21/09 1137 | d12721.d | 15 | 460-5679-C-8 | TB-091409 | 5 | 0 | 1 | all | L2 | | G |
| 09/21/09 1202 | d12722.d | 16 | 460-5679-C-9 | FB-091409 | 5 | 0 | 1 | all | L2 | | G |
| 09/21/09 1227 | d12723.d | 17 | 460-5679-C-2 | MW-23S | 5 | 0 | 5 | all | L2 | | NG RR ST |
| 09/21/09 1251 | d12724.d | 18 | 460-5679-C-7 | MW-14S | 5 | 0 | 1 | all | L2 | | G |
| 09/21/09 1315 | d12725.d | 19 | 460-5679-C-2MS | | 5 | 0 | 5 | all | L2 | | G |
| 09/21/09 1340 | d12726.d | 20 | 460-5679-C-2MSD | | 5 | 0 | 5 | all | L2 | | G |
| 09/21/09 1404 | d12727.d | 21 | BLANK | | 5 | 0 | 1 | all | | | — |
| 09/21/09 1429 | d12728.d | 22 | 460-5679-B-1 | MW-27 | 5 | 0 | 1 | all | L2 | | G |
| 09/21/09 1453 | d12729.d | 23 | 460-5679-C-3 | MW-26 | 5 | 0 | 1 | all | L2 | | G |
| 09/21/09 1517 | d12730.d | 24 | 460-5849-A-19 | TRIP BLANK | 5 | 0 | 1 | all | L2 | | G |
| 09/21/09 1542 | d12731.d | 25 | 460-5849-A-20 | FB 091809 | 5 | 0 | 1 | all | L2 | | G |
| 09/21/09 1606 | d12732.d | 26 | 460-5679-B-2 | MW-23S | 5 | 0 | 1 | all | L2 | | G |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS4.i

Analytical Batch: /chem/VOAMS4.i/8260_09/09-21-09/21sep09.b

Date Generated: 09/21/2009

Page 3

| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 1631 | d12733.d | 27 | BLANK | | 5 | 0 | 1 | all | | | |

Signed: Eddie Ma for KT Read and Understood by: Ken Lyon

Date: 09/21/09 Date: 09/21/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS4.i

Analytical Batch: /chem/VOAMS4.i/8260_09/09-21-09/22sep09.b

Date Generated: 09/22/2009

Page 1

# 17564

| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/22/09 0328 | d12756.d | 2 | BFB | | 0 | 0 | 1 | all | | 8260 HIGH | |
| 09/22/09 0351 | d12757.d | 1 | CCVIS | | 5 | 0 | 1 | all | | 8260 IS: 208919 SURR 500: | G |
| 09/22/09 0443 | d12758.d | 2 | LCS | | 5 | 0 | 1 | all | | SURR 250: 194539 GAS 500: 200846 | G |
| 09/22/09 0507 | d12759.d | 3 | LCSD | | 5 | 0 | 1 | all | | MIX 1 500: 185441 MIX 2 500: 185455 | G |
| 09/22/09 0532 | d12760.d | 4 | MB | | 5 | 0 | 1 | all | | MIX 3: 185456 AC/AC: 185458 | |
| 09/22/09 0556 | d12761.d | 5 | MB | | 5 | 0 | 1 | all | | GAS SP: 209847 8260 SP: 185453 | NA C10 |
| 09/22/09 0620 | d12762.d | 6 | MB | | 5 | 0 | 1 | all | | MIX 3 SP: 185457 AC/AC SP: 185459 | NA C10 |
| 09/22/09 0644 | d12763.d | 7 | 460-5779-B-2 | WS17-2-091509-B | 5 | 0 | 1 | all | LL | MISC: BFB: 185461 | G |
| 09/22/09 0709 | d12764.d | 8 | 460-5761-C-6 | MW-5RS | 5 | 0 | 1 | all | LL | MeOH: 132699 | G |
| 09/22/09 0733 | d12765.d | 9 | 460-5761-C-7 | MW-16S | 5 | 0 | 1 | all | LL | | G |
| 09/22/09 0757 | d12766.d | 10 | 460-5761-B-8 | SVE-SE | 5 | 0 | 1 | all | LL | | G |
| 09/22/09 0822 | d12767.d | 11 | 460-5761-B-9 DI EM 9/22/09 | MW-2E | 5 | 0 | 5 | all | LL | | G |
| 09/22/09 0846 | d12768.d | 12 | 460-5779-B-2 MS | WS17-2-091509-B | 5 | 0 | 1 | all | LL | | G See D12749 |
| 09/22/09 0910 | d12769.d | 13 | 460-5779-B-2 MSD | WS17-2-091509-B | 5 | 0 | 1 | all | LL | | G |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS4.i

Analytical Batch: /chem/VOAMS4.i/8260_09/09-21-09/22sep09.b

Date Generated: 09/22/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/22/09 0935 | d12770.d | 14 | BLANK | | 5 | 0 | 1 | all | | | — |
| 09/22/09 0959 | d12771.d | 15 | 460-5800-B-3 | FIELD BLANK | 5 | 0 | 1 | all | L2 | | G |
| 09/22/09 1024 | d12772.d | 16 | 460-5779-C-3 | WS917-2-091509-C | 5 | 0 | 1 | all | L2 | | G |
| 09/22/09 1048 | d12773.d | 17 | 460-5779-C-4 | WS18-1-091509-D | 5 | 0 | 1 | all | L2 | | G |
| 09/22/09 1113 | d12774.d | 18 | 460-5779-C-5 | WS18-2-091509-G | 5 | 0 | 1 | all | L2 | | G |
| 09/22/09 1138 | d12775.d | 19 | 460-5779-C-6 | WB12-1-091509-F | 5 | 0 | 1 | all | L2 | | G |
| 09/22/09 1202 | d12776.d | 20 | 460-5779-C-7 | WB12-2-091509-E | 5 | 0 | 1 | all | L2 | | G |
| 09/22/09 1226 | d12777.d | 21 | 460-5779-C-8 | MW06S-091509-H | 5 | 0 | 1 | all | L2 | | G |
| 09/22/09 1251 | d12778.d | 22 | 460-5779-C-9 | MW10S-091509-I | 5 | 0 | 1 | all | L2 | | G |
| 09/22/09 1315 | d12779.d | 23 | 460-5779-A-10 | TB | 5 | 0 | 1 | all | L2 | | G |
| 09/22/09 1340 | d12780.d | 24 | 460-5779-C-1 | WS17-1-091509-A | 5 | 0 | 1 | all | L2 | | G |
| 09/22/09 1404 | d12781.d | 25 | BLANK | | 5 | 0 | 1 | all | | | — |

Signed: Eddie Mar for ST Read and Understood by: Ken Bro

Date: 09/22/09 Date: 09/22/09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 460-17651/4

Matrix: Water  Lab File ID: d12787.d

Analysis Method: 8260B  Date Collected:

Sample wt/vol: 5(mL)  Date Analyzed: 09/22/2009 19:01

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: DB-624  ID: 0.18(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17651  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 101 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 97 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 105 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12787.d
Report Date: 23-Sep-2009 09:22

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12787.d
Lab Smp Id: MB
Inj Date : 22-SEP-2009 19:01
Operator : Inst ID: VOAMS4.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

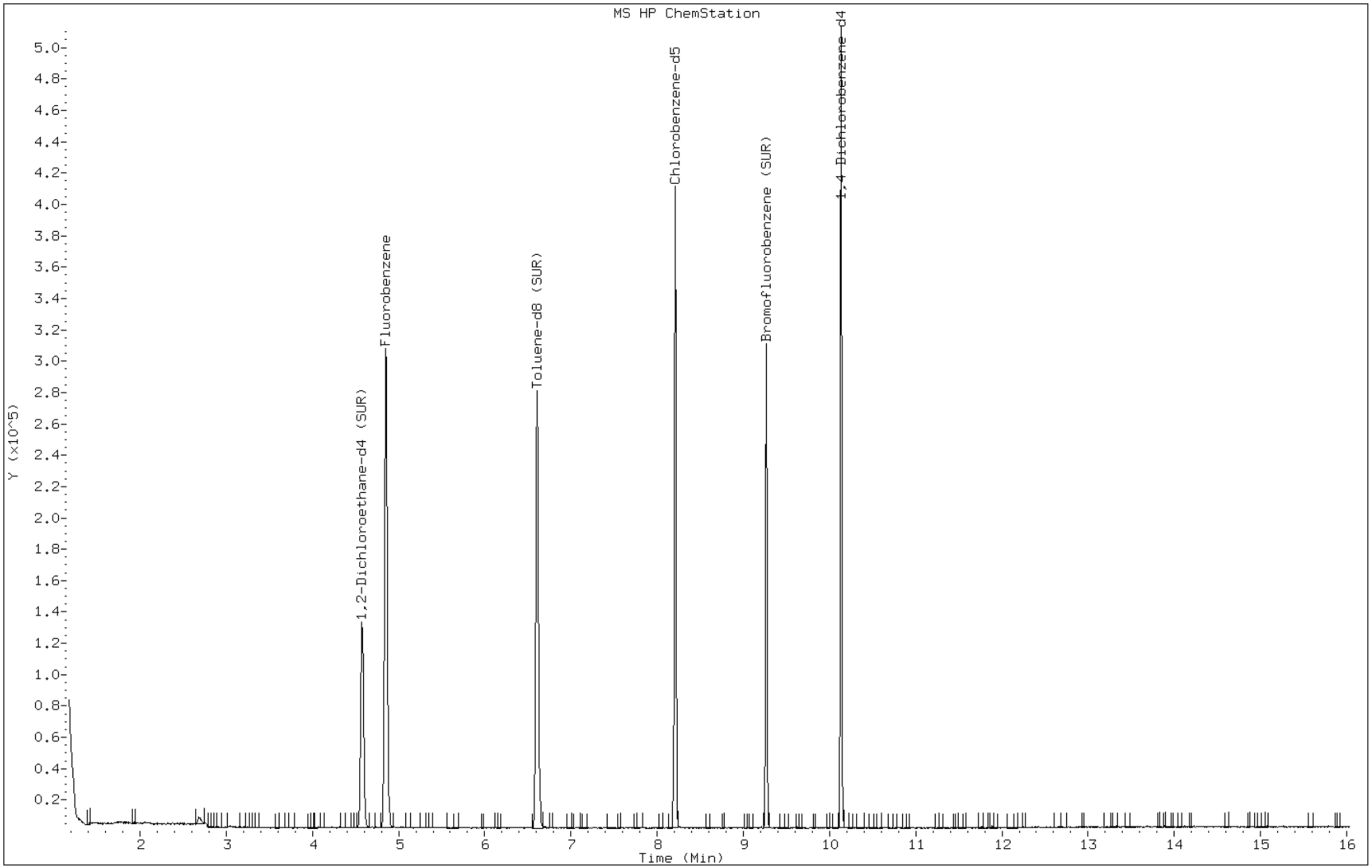
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.582 | (0.943) | 103277 | 50.6453 | 51 |
| * 52 Fluorobenzene | 96 | 4.852 | 4.852 | (1.000) | 313660 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.611 | 6.605 | (0.805) | 211543 | 52.5177 | 52 |
| * 78 Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 181648 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.270 | 9.264 | (0.915) | 62606 | 48.6346 | 49 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 86292 | 50.0000 | |

Data File: d12787.d

Date: 22-SEP-2009 19:01

Client ID: Instrument: VOAMS4.i

Sample Info: MB Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-17651/3

Matrix: Water Lab File ID: d12785.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/22/2009 18:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17651 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 20.0 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 25.2 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 18.5 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 20.0 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 18.4 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 18.8 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 49.6 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 99 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 100 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 101 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12785.d
Report Date: 23-Sep-2009 09:22

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12785.d
Lab Smp Id: LCS
Inj Date : 22-SEP-2009 18:12
Operator : Inst ID: VOAMS4.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 1.311 | 1.317 | (0.271) | 58360 | 22.1752 | 22 |
| 3 Chloromethane | 50 | 1.411 | 1.423 | (0.291) | 85493 | 20.8438 | 21 |
| 4 Vinyl Chloride | 62 | 1.488 | 1.494 | (0.307) | 88748 | 20.8213 | 21 |
| 6 Bromomethane | 94 | 1.699 | 1.705 | (0.351) | 51169 | 20.0732 | 20 |
| 5 Chloroethane | 64 | 1.764 | 1.776 | (0.364) | 55638 | 24.5295 | 24 |
| 7 Trichlorofluoromethane | 101 | 1.894 | 1.900 | (0.391) | 91817 | 21.3732 | 21 |
| 8 n-Pentane | 72 | 1.852 | 1.864 | (0.382) | 9459 | 22.6046 | 23 |
| 9 Ethanol | 46 | 2.258 | 2.294 | (0.466) | 58659 | 2323.01 | 2300 |
| 10 Isoprene | 67 | 2.064 | 2.076 | (0.426) | 69115 | 16.1289 | 16 |
| 11 Ethyl Ether | 59 | 2.076 | 2.088 | (0.428) | 47108 | 17.6876 | 18 |
| 13 Acrolein | 56 | 2.458 | 2.476 | (0.507) | 3308 | 13.0232 | 13(R) |
| 15 1,1-Dichloroethene | 96 | 2.217 | 2.229 | (0.457) | 45782 | 20.2835 | 20 |
| 14 Freon TF | 101 | 2.282 | 2.288 | (0.471) | 50135 | 16.8310 | 17 |
| 16 Acetone | 58 | 2.688 | 2.688 | (0.555) | 7665 | 25.2281 | 25 |
| 17 Iodomethane | 142 | 2.323 | 2.335 | (0.479) | 83947 | 18.5346 | 18 |
| 18 Carbon Disulfide | 76 | 2.235 | 2.247 | (0.461) | 195104 | 16.8788 | 17 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12785.d
Report Date: 23-Sep-2009 09:22

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 19 Isopropanol | 45 | 2.611 | 2.629 | (0.539) | 728208 | 2807.66 | 2800 |
| | 21 Acetonitrile | 39 | 3.046 | 3.058 | (0.629) | 33692 | 256.695 | 260(R) |
| | 27 Methyl Acetate | 74 | 2.776 | 2.794 | (0.573) | 16101 | 18.4271 | 18 |
| | 22 Methylene Chloride | 84 | 2.641 | 2.647 | (0.545) | 55396 | 19.9981 | 20 |
| | 24 TBA | 59 | 2.970 | 2.982 | (0.613) | 133303 | 326.426 | 330 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.752 | 2.758 | (0.568) | 39543 | 17.4694 | 17 |
| | 26 Acrylonitrile | 53 | 3.293 | 3.294 | (0.680) | 19272 | 16.1483 | 16 |
| | 28 MTBE | 73 | 2.858 | 2.864 | (0.590) | 131934 | 17.3665 | 17 |
| | 29 Hexane | 56 | 2.817 | 2.823 | (0.581) | 36896 | 17.2017 | 17 |
| | 30 1,1-Dichloroethane | 63 | 3.235 | 3.246 | (0.667) | 80086 | 17.9396 | 18 |
| | 31 Vinyl Acetate | 43 | 3.458 | 3.464 | (0.714) | 54928 | 15.8939 | 16 |
| | 32 DIPE | 45 | 3.158 | 3.170 | (0.652) | 152580 | 16.6541 | 17 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.452 | 3.458 | (0.712) | 190482 | 23.5270 | 24 |
| | 37 2,2-Dichloropropane | 77 | 3.788 | 3.788 | (0.782) | 67799 | 19.7960 | 20 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.682 | 3.688 | (0.760) | 47070 | 18.7636 | 19 |
| | 38 2-Butanone | 72 | 4.211 | 4.217 | (0.869) | 7720 | 15.9294 | 16 |
| | 39 Ethyl Acetate | 70 | 4.052 | 4.064 | (0.836) | 10228 | 35.7633 | 36 |
| | 40 Bromochloromethane | 128 | 3.852 | 3.858 | (0.795) | 23886 | 19.3746 | 19 |
| | 41 Tetrahydrofuran | 42 | 4.058 | 4.070 | (0.837) | 24963 | 17.6984 | 18 |
| | 42 Chloroform | 83 | 3.929 | 3.935 | (0.811) | 81903 | 19.1272 | 19 |
| | 43 1,1,1-Trichloroethane | 97 | 4.105 | 4.105 | (0.847) | 68590 | 18.6769 | 19 |
| | 44 Cyclohexane | 56 | 3.846 | 3.858 | (0.794) | 82239 | 16.4530 | 16 |
| | 45 Carbon Tetrachloride | 117 | 4.035 | 4.041 | (0.832) | 68801 | 18.2490 | 18 |
| | 46 1,1-Dichloropropene | 75 | 4.205 | 4.211 | (0.868) | 53231 | 17.9242 | 18 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.570 | 4.582 | (0.943) | 114816 | 49.4655 | 49 |
| | 48 Benzene | 78 | 4.440 | 4.446 | (0.541) | 179555 | 20.0193 | 20 |
| | 49 1,2-Dichloroethane | 62 | 4.640 | 4.641 | (0.958) | 64019 | 19.1594 | 19 |
| | 51 n-Heptane | 57 | 4.423 | 4.435 | (0.913) | 26469 | 17.1426 | 17 |
| | 50 t-Amyl-methyl-ether | 73 | 4.582 | 4.582 | (0.945) | 129086 | 19.0357 | 19 |
| | 61 Isopropyl Acetate | 43 | 4.935 | 4.940 | (1.018) | 188859 | 34.1988 | 34 |
| * | 52 Fluorobenzene | 96 | 4.846 | 4.852 | (1.000) | 357022 | 50.0000 | |
| | 54 Trichloroethene | 95 | 5.017 | 5.017 | (1.035) | 42171 | 18.4838 | 18 |
| | 53 n-Butanol | 56 | 5.446 | 5.458 | (1.124) | 104476 | 1300.66 | 1300 |
| | 56 Methyl cyclohexane | 83 | 4.999 | 5.005 | (1.032) | 71192 | 17.5039 | 18 |
| | 55 Ethyl Acrylate | 55 | 5.646 | 5.652 | (1.165) | 53704 | 17.1544 | 17 |
| | 57 1,2-Dichloropropane | 63 | 5.564 | 5.570 | (1.148) | 48840 | 19.2191 | 19 |
| | 58 Dibromomethane | 93 | 5.452 | 5.458 | (1.125) | 30490 | 19.5110 | 20 |
| | 60 1,4-Dioxane | 88 | 5.887 | 5.887 | (1.215) | 93431 | 2647.32 | 2600 |
| | 59 Methyl Methacrylate | 100 | 5.870 | 5.870 | (1.211) | 9146 | 13.9023 | 14(R) |
| | 75 Propyl Acetate | 43 | 6.046 | 6.052 | (1.248) | 133531 | 32.3794 | 32 |
| | 68 Bromodichloromethane | 83 | 5.652 | 5.658 | (1.166) | 62004 | 18.8639 | 19 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 6.346 | 6.352 | (1.309) | 24060 | 13.1643 | 13 |
| | 63 Epichlorohydrin | 57 | 6.705 | 6.705 | (0.817) | 97925 | 322.760 | 320 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.381 | 6.387 | (0.778) | 64260 | 19.1518 | 19 |
| | 70 4-Methyl-2-Pentanone | 43 | 7.146 | 7.146 | (0.871) | 45519 | 16.6310 | 17 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.605 | 6.605 | (0.805) | 269436 | 50.6798 | 51 |
| | 66 Toluene | 91 | 6.664 | 6.670 | (0.812) | 168198 | 18.3525 | 18 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12785.d
Report Date: 23-Sep-2009 09:22

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 64 | trans-1,3-Dichloropropene | 75 | 7.164 | 7.164 | (0.873) | 55778 | 18.3142 | 18 |
| 69 | 1,1,2-Trichloroethane | 83 | 7.328 | 7.329 | (0.893) | 31975 | 18.5905 | 18 |
| 71 | Tetrachloroethene | 166 | 7.087 | 7.093 | (0.864) | 36849 | 19.0096 | 19 |
| 72 | 1,3-Dichloropropane | 76 | 7.593 | 7.599 | (0.925) | 60645 | 18.3821 | 18 |
| 73 | 2-Hexanone | 43 | 7.999 | 7.999 | (0.975) | 27661 | 13.5753 | 14 |
| 74 | Dibromochloromethane | 129 | 7.493 | 7.499 | (0.913) | 40936 | 19.4077 | 19 |
| 76 | Butyl Acetate | 73 | 7.934 | 7.940 | (0.967) | 17794 | 25.5937 | 26(R) |
| 77 | 1,2-Dibromoethane | 107 | 7.705 | 7.705 | (0.939) | 34642 | 18.4437 | 18 |
| * 78 | Chlorobenzene-d5 | 117 | 8.205 | 8.211 | (1.000) | 239750 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.223 | 8.223 | (1.002) | 103931 | 18.9839 | 19 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.293 | 8.293 | (1.011) | 44315 | 19.4386 | 19 |
| 81 | Ethylbenzene | 106 | 8.270 | 8.270 | (1.008) | 52236 | 18.8458 | 19 |
| 82 | m+p-Xylene | 106 | 8.405 | 8.411 | (1.024) | 128741 | 38.3989 | 38 |
| 84 | o-Xylene | 106 | 8.775 | 8.776 | (1.070) | 59354 | 15.7441 | 16 |
| 85 | Styrene | 104 | 8.822 | 8.823 | (1.075) | 95738 | 15.1192 | 15 |
| 83 | Butyl Acrylate | 73 | 8.975 | 8.976 | (1.094) | 25026 | 13.4832 | 13(R) |
| 86 | Bromoform | 173 | 8.828 | 8.828 | (1.076) | 27510 | 18.6733 | 19 |
| 87 | Amyl Acetate | 43 | 9.193 | 9.193 | (0.907) | 24036 | 16.3080 | 16 |
| 88 | Isopropylbenzene | 105 | 9.046 | 9.046 | (1.103) | 179896 | 17.6046 | 18 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 86612 | 50.1157 | 50 |
| 90 | Camphene (total) | 93 | 9.128 | 9.128 | (1.113) | 52555 | 15.5451 | 16 |
| 91 | Bromobenzene | 156 | 9.334 | 9.334 | (0.921) | 40372 | 18.4797 | 18 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.458 | 9.458 | (0.933) | 59105 | 19.3352 | 19 |
| 93 | 1,2,3-Trichloropropane | 110 | 9.546 | 9.546 | (0.942) | 15743 | 18.7601 | 19 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.587 | 9.593 | (0.946) | 14041 | 17.4070 | 17 |
| 95 | n-Propylbenzene | 91 | 9.387 | 9.387 | (0.926) | 208458 | 19.1854 | 19 |
| 96 | 2-Chlorotoluene | 91 | 9.493 | 9.493 | (0.937) | 121309 | 18.5710 | 18 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.552 | 9.552 | (0.943) | 144604 | 16.6755 | 17 |
| 98 | 4-Chlorotoluene | 91 | 9.628 | 9.628 | (0.950) | 122897 | 19.6943 | 20 |
| 99 | Butyl Methacrylate | 87 | 9.805 | 9.805 | (0.967) | 48781 | 15.0569 | 15 |
| 100 | tert-Butylbenzene | 119 | 9.793 | 9.793 | (0.966) | 112976 | 16.3915 | 16 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.846 | 9.846 | (0.972) | 148962 | 17.0462 | 17 |
| 102 | 2-Octanone | 43 | 10.252 | 10.252 | (1.012) | 63292 | 11.9519 | 12(R) |
| 103 | sec-Butylbenzene | 105 | 9.928 | 9.928 | (0.980) | 196652 | 17.4417 | 17 |
| 104 | 2-Octanol | 45 | 10.128 | 10.128 | (0.999) | 20278 | 10.6767 | 11(R) |
| 105 | 1,3-Dichlorobenzene | 146 | 10.075 | 10.075 | (0.994) | 77453 | 18.8401 | 19 |
| 107 | p-Isopropyltoluene | 119 | 10.046 | 10.046 | (0.991) | 150050 | 16.4048 | 16 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 115852 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 10.146 | 10.146 | (1.001) | 80285 | 18.8057 | 19 |
| 110 | Benzyl Chloride | 91 | 10.358 | 10.358 | (1.022) | 221659 | 15.6727 | 16 |
| 106 | n-Butylbenzene | 91 | 10.358 | 10.358 | (1.022) | 221659 | 15.6727 | 16 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.458 | 10.458 | (1.032) | 72297 | 17.0002 | 17 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 11.046 | 11.046 | (1.090) | 9440 | 15.8866 | 16 |
| 113 | Camphor | 95 | 11.740 | 11.734 | (1.158) | 16421 | 47.5172 | 48(R) |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.528 | 11.528 | (1.138) | 44567 | 15.9129 | 16 |
| 115 | Hexachlorobutadiene | 225 | 11.511 | 11.511 | (1.136) | 18550 | 13.4486 | 13(R) |
| 116 | Naphthalene | 128 | 11.763 | 11.764 | (1.161) | 130197 | 15.2301 | 15 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12785.d
Report Date: 23-Sep-2009 09:22

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 117 1,2,3-Trichlorobenzene | 180 | 11.887 | 11.887 | (1.173) | 46269 | 16.4796 | 16 |
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 86613 | 36.2995 | 36 |
| M 121 Xylene (Total) | 100 | | | | 188095 | 49.6415 | 50 |

QC Flag Legend

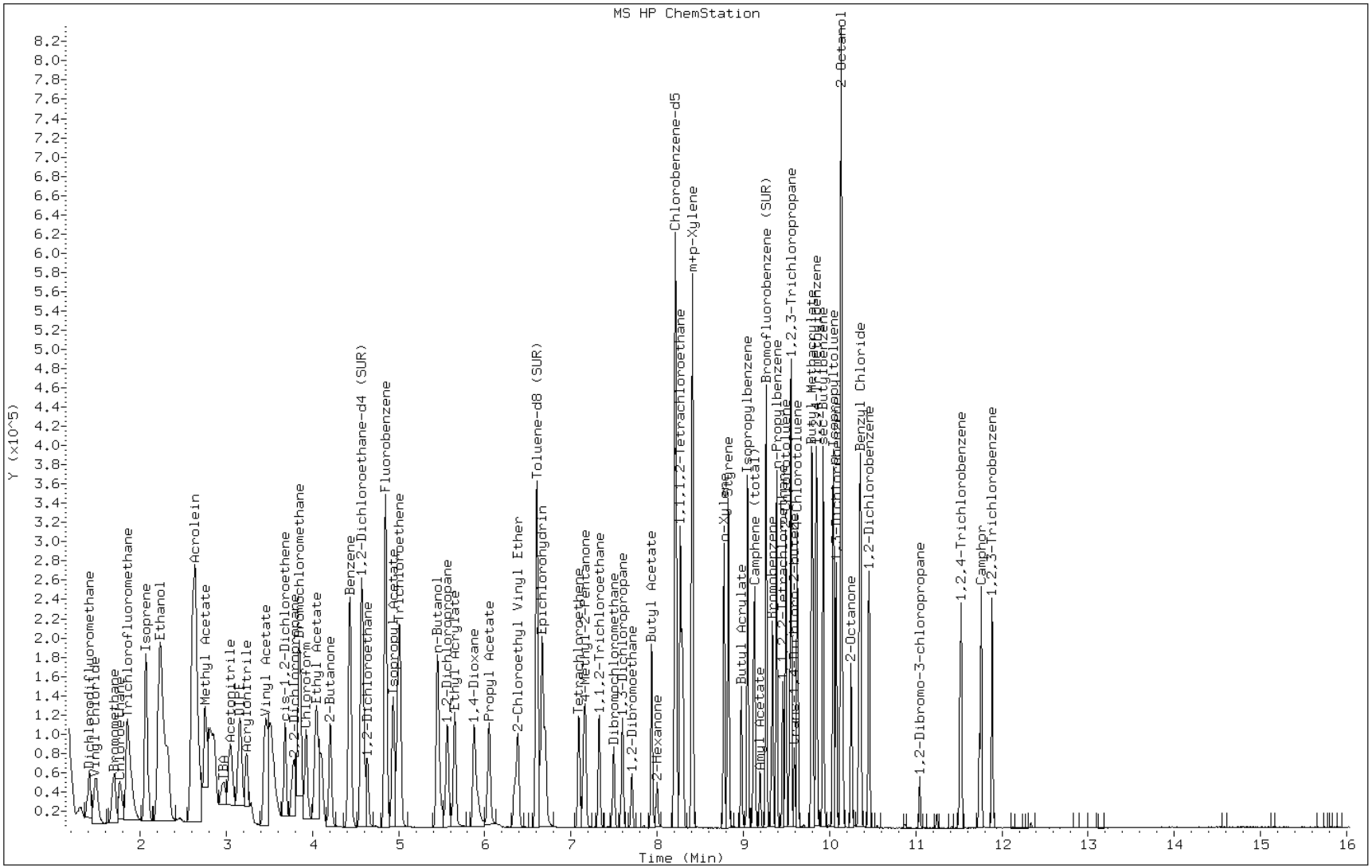
R - Spike/Surrogate failed recovery limits.

Data File: d12785.d

Date: 22-SEP-2009 18:12

Client ID: Instrument: VOAMS4.i

Sample Info: LCS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-23S MS | Lab Sample ID: 460-5829-4 MS

Matrix: Water | Lab File ID: d12790.d

Analysis Method: 8260B | Date Collected: 09/17/2009 12:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 20:14

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17651 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 90.5 | | 5.0 | 0.95 |
| 67-64-1 | Acetone | 125 | | 50 | 12 |
| 79-01-6 | Trichloroethene | 85.6 | | 5.0 | 0.90 |
| 71-43-2 | Benzene | 97.1 | | 5.0 | 0.65 |
| 108-88-3 | Toluene | 88.9 | | 5.0 | 0.45 |
| 100-41-4 | Ethylbenzene | 86.2 | | 5.0 | 1.2 |
| 1330-20-7 | Xylenes, Total | 240 | | 15 | 2.2 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 99 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 103 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 106 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12790.d
Report Date: 23-Sep-2009 09:23

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12790.d
Lab Smp Id: 460-5829-C-4MS
Inj Date : 22-SEP-2009 20:14
Operator : Inst ID: VOAMS4.i
Smp Info : 460-5829-C-4MS;5
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 8 QC Sample: MS
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 5.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 1.311 | 1.317 | (0.270) | 53243 | 18.9878 | 95 |
| 3 Chloromethane | 50 | 1.417 | 1.423 | (0.292) | 80281 | 18.3705 | 92 |
| 4 Vinyl Chloride | 62 | 1.494 | 1.494 | (0.308) | 82420 | 18.1486 | 91 |
| 6 Bromomethane | 94 | 1.705 | 1.705 | (0.351) | 47051 | 17.3237 | 87 |
| 5 Chloroethane | 64 | 1.770 | 1.776 | (0.365) | 50606 | 20.9402 | 100 |
| 7 Trichlorofluoromethane | 101 | 1.888 | 1.900 | (0.389) | 81153 | 17.7301 | 89 |
| 8 n-Pentane | 72 | 1.864 | 1.864 | (0.384) | 8397 | 18.8338 | 94 |
| 9 Ethanol | 46 | 2.241 | 2.294 | (0.462) | 48189 | 1812.64 | 9100(R) |
| 10 Isoprene | 67 | 2.070 | 2.076 | (0.427) | 64805 | 14.1939 | 71 |
| 11 Ethyl Ether | 59 | 2.082 | 2.088 | (0.429) | 42977 | 15.1451 | 76 |
| 13 Acrolein | 56 | 2.464 | 2.476 | (0.508) | 4285 | 15.8331 | 79(R) |
| 15 1,1-Dichloroethene | 96 | 2.223 | 2.229 | (0.458) | 41789 | 17.3768 | 87 |
| 14 Freon TF | 101 | 2.276 | 2.288 | (0.469) | 45433 | 14.3153 | 72 |
| 16 Acetone | 58 | 2.688 | 2.688 | (0.554) | 8118 | 25.0775 | 120 |
| 17 Iodomethane | 142 | 2.323 | 2.335 | (0.479) | 79076 | 16.3865 | 82 |
| 18 Carbon Disulfide | 76 | 2.241 | 2.247 | (0.462) | 184892 | 15.0125 | 75 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12790.d
Report Date: 23-Sep-2009 09:23

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 19 Isopropanol | 45 | 2.617 | 2.629 | (0.539) | 689239 | 2494.13 | 12000 |
| | 21 Acetonitrile | 39 | 3.052 | 3.058 | (0.629) | 34951 | 249.926 | 1200(R) |
| | 27 Methyl Acetate | 74 | 2.788 | 2.794 | (0.574) | 17667 | 18.9770 | 95 |
| | 22 Methylene Chloride | 84 | 2.646 | 2.647 | (0.545) | 53406 | 18.0952 | 90 |
| | 24 TBA | 59 | 2.976 | 2.982 | (0.613) | 116879 | 268.623 | 1300(R) |
| | 25 trans-1,2-Dichloroethene | 96 | 2.758 | 2.758 | (0.568) | 40479 | 16.7841 | 84 |
| | 26 Acrylonitrile | 53 | 3.293 | 3.294 | (0.679) | 19529 | 15.3583 | 77 |
| | 28 MTBE | 73 | 2.864 | 2.864 | (0.590) | 129858 | 16.0430 | 80 |
| | 29 Hexane | 56 | 2.817 | 2.823 | (0.581) | 38173 | 16.7036 | 84 |
| | 30 1,1-Dichloroethane | 63 | 3.241 | 3.246 | (0.668) | 85121 | 17.8959 | 89 |
| | 31 Vinyl Acetate | 43 | 3.464 | 3.464 | (0.714) | 36258 | 9.84695 | 49(R) |
| | 32 DIPE | 45 | 3.170 | 3.170 | (0.653) | 153607 | 15.7360 | 79 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.458 | 3.458 | (0.713) | 137904 | 15.9864 | 80 |
| | 37 2,2-Dichloropropane | 77 | 3.788 | 3.788 | (0.781) | 65077 | 17.8337 | 89 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.688 | 3.688 | (0.760) | 47690 | 17.8427 | 89 |
| | 38 2-Butanone | 72 | 4.211 | 4.217 | (0.868) | 8107 | 15.7002 | 78 |
| | 39 Ethyl Acetate | 70 | 4.058 | 4.064 | (0.836) | 10738 | 35.2396 | 180 |
| | 40 Bromochloromethane | 128 | 3.852 | 3.858 | (0.794) | 24426 | 18.5953 | 93 |
| | 41 Tetrahydrofuran | 42 | 4.058 | 4.070 | (0.836) | 23282 | 15.4924 | 77 |
| | 42 Chloroform | 83 | 3.929 | 3.935 | (0.810) | 83997 | 18.4110 | 92 |
| | 43 1,1,1-Trichloroethane | 97 | 4.105 | 4.105 | (0.846) | 68766 | 17.5743 | 88 |
| | 44 Cyclohexane | 56 | 3.852 | 3.858 | (0.794) | 81557 | 15.3141 | 76 |
| | 45 Carbon Tetrachloride | 117 | 4.040 | 4.041 | (0.833) | 60778 | 15.1305 | 76(R) |
| | 46 1,1-Dichloropropene | 75 | 4.211 | 4.211 | (0.868) | 51101 | 16.1497 | 81 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.582 | (0.943) | 122578 | 49.5648 | 50 |
| | 48 Benzene | 78 | 4.440 | 4.446 | (0.541) | 174881 | 19.4155 | 97 |
| | 49 1,2-Dichloroethane | 62 | 4.646 | 4.641 | (0.958) | 63279 | 17.7744 | 89 |
| | 51 n-Heptane | 57 | 4.435 | 4.435 | (0.914) | 24908 | 15.1405 | 76 |
| | 50 t-Amyl-methyl-ether | 73 | 4.582 | 4.582 | (0.944) | 117173 | 16.2173 | 81 |
| | 61 Isopropyl Acetate | 43 | 4.940 | 4.940 | (1.018) | 185598 | 31.5433 | 160 |
| * | 52 Fluorobenzene | 96 | 4.852 | 4.852 | (1.000) | 380394 | 50.0000 | |
| | 54 Trichloroethene | 95 | 5.023 | 5.017 | (1.035) | 41632 | 17.1264 | 86 |
| | 53 n-Butanol | 56 | 5.452 | 5.458 | (1.124) | 103878 | 1223.92 | 6100 |
| | 56 Methyl cyclohexane | 83 | 5.005 | 5.005 | (1.032) | 66225 | 15.2822 | 76 |
| | 55 Ethyl Acrylate | 55 | 5.646 | 5.652 | (1.164) | 51631 | 15.4789 | 77 |
| | 57 1,2-Dichloropropane | 63 | 5.570 | 5.570 | (1.148) | 48269 | 17.8273 | 89 |
| | 58 Dibromomethane | 93 | 5.458 | 5.458 | (1.125) | 29829 | 17.9152 | 90 |
| | 60 1,4-Dioxane | 88 | 5.899 | 5.887 | (1.216) | 82369 | 2190.49 | 11000 |
| | 59 Methyl Methacrylate | 100 | 5.876 | 5.870 | (1.211) | 9380 | 13.3820 | 67(R) |
| | 75 Propyl Acetate | 43 | 6.052 | 6.052 | (1.247) | 128392 | 29.2204 | 150 |
| | 68 Bromodichloromethane | 83 | 5.658 | 5.658 | (1.166) | 59151 | 16.8902 | 84 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 6.352 | 6.352 | (1.309) | 21607 | 11.0957 | 55 |
| | 63 Epichlorohydrin | 57 | 6.705 | 6.705 | (0.817) | 95199 | 312.446 | 1600 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.387 | 6.387 | (0.778) | 59904 | 17.7780 | 89 |
| | 70 4-Methyl-2-Pentanone | 43 | 7.146 | 7.146 | (0.870) | 44502 | 16.1905 | 81 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.611 | 6.605 | (0.805) | 283104 | 53.0251 | 53 |
| | 66 Toluene | 91 | 6.670 | 6.670 | (0.812) | 163694 | 17.7854 | 89 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12790.d
Report Date: 23-Sep-2009 09:23

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 64 trans-1,3-Dichloropropene | 75 | 7.170 | 7.164 | (0.873) | 51047 | 16.6898 | 83 |
| | 69 1,1,2-Trichloroethane | 83 | 7.328 | 7.329 | (0.893) | 31112 | 18.0121 | 90 |
| | 71 Tetrachloroethene | 166 | 7.093 | 7.093 | (0.864) | 35152 | 18.0574 | 90 |
| | 72 1,3-Dichloropropane | 76 | 7.599 | 7.599 | (0.925) | 56706 | 17.1154 | 86 |
| | 73 2-Hexanone | 43 | 7.999 | 7.999 | (0.974) | 30176 | 14.7469 | 74 |
| | 74 Dibromochloromethane | 129 | 7.499 | 7.499 | (0.913) | 38940 | 18.3832 | 92 |
| | 76 Butyl Acetate | 73 | 7.940 | 7.940 | (0.967) | 17303 | 24.7821 | 120(R) |
| | 77 1,2-Dibromoethane | 107 | 7.705 | 7.705 | (0.938) | 31951 | 16.9389 | 85 |
| * | 78 Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 240770 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.223 | 8.223 | (1.001) | 94420 | 17.1736 | 86 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.293 | 8.293 | (1.010) | 39734 | 17.3553 | 87 |
| | 81 Ethylbenzene | 106 | 8.270 | 8.270 | (1.007) | 47999 | 17.2438 | 86 |
| | 82 m+p-Xylene | 106 | 8.411 | 8.411 | (1.024) | 122629 | 36.4210 | 180 |
| | 84 o-Xylene | 106 | 8.781 | 8.776 | (1.069) | 60190 | 15.8982 | 79 |
| | 85 Styrene | 104 | 8.828 | 8.823 | (1.075) | 93796 | 14.7498 | 74(R) |
| | 83 Butyl Acrylate | 73 | 8.981 | 8.976 | (1.094) | 24020 | 12.8863 | 64(R) |
| | 86 Bromoform | 173 | 8.828 | 8.828 | (1.075) | 28175 | 19.0437 | 95 |
| | 87 Amyl Acetate | 43 | 9.193 | 9.193 | (0.907) | 22714 | 15.4038 | 77 |
| | 88 Isopropylbenzene | 105 | 9.052 | 9.046 | (1.102) | 173668 | 16.9231 | 85 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 89221 | 51.6009 | 52 |
| | 90 Camphene (total) | 93 | 9.128 | 9.128 | (1.112) | 48802 | 14.3738 | 72 |
| | 91 Bromobenzene | 156 | 9.334 | 9.334 | (0.921) | 36059 | 16.4977 | 82 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.458 | 9.458 | (0.933) | 55028 | 17.9929 | 90 |
| | 93 1,2,3-Trichloropropane | 110 | 9.546 | 9.546 | (0.942) | 15035 | 17.9079 | 90 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.593 | 9.593 | (0.947) | 9303 | 11.5277 | 58(R) |
| | 95 n-Propylbenzene | 91 | 9.387 | 9.387 | (0.926) | 187124 | 17.2138 | 86 |
| | 96 2-Chlorotoluene | 91 | 9.493 | 9.493 | (0.937) | 109538 | 16.7610 | 84 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.552 | 9.552 | (0.943) | 132254 | 15.2441 | 76 |
| | 98 4-Chlorotoluene | 91 | 9.628 | 9.628 | (0.950) | 104765 | 16.7807 | 84 |
| | 99 Butyl Methacrylate | 87 | 9.805 | 9.805 | (0.967) | 41408 | 12.7750 | 64(R) |
| | 100 tert-Butylbenzene | 119 | 9.793 | 9.793 | (0.966) | 95561 | 13.8582 | 69(R) |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.846 | 9.846 | (0.972) | 131855 | 15.0815 | 75 |
| | 102 2-Octanone | 43 | 10.252 | 10.252 | (1.012) | 67494 | 12.7393 | 64(R) |
| | 103 sec-Butylbenzene | 105 | 9.928 | 9.928 | (0.980) | 169990 | 15.0698 | 75 |
| | 104 2-Octanol | 45 | 10.134 | 10.128 | (1.000) | 20942 | 11.0192 | 55(R) |
| | 105 1,3-Dichlorobenzene | 146 | 10.075 | 10.075 | (0.994) | 69567 | 16.9138 | 84 |
| | 107 p-Isopropyltoluene | 119 | 10.046 | 10.046 | (0.991) | 127751 | 13.9603 | 70(R) |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 115907 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 10.146 | 10.146 | (1.001) | 74163 | 17.3635 | 87 |
| | 110 Benzyl Chloride | 91 | 10.358 | 10.358 | (1.022) | 205577 | 14.5287 | 73 |
| | 106 n-Butylbenzene | 91 | 10.358 | 10.358 | (1.022) | 205577 | 14.5287 | 73 |
| | 111 1,2-Dichlorobenzene | 146 | 10.458 | 10.458 | (1.032) | 68615 | 16.1267 | 81 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 11.046 | 11.046 | (1.090) | 9425 | 15.8539 | 79 |
| | 113 Camphor | 95 | 11.734 | 11.734 | (1.158) | 16192 | 46.8323 | 230(R) |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.528 | 11.528 | (1.138) | 41707 | 14.8847 | 74 |
| | 115 Hexachlorobutadiene | 225 | 11.511 | 11.511 | (1.136) | 17842 | 12.9292 | 65(R) |
| | 116 Naphthalene | 128 | 11.764 | 11.764 | (1.161) | 118397 | 13.8432 | 69(R) |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12790.d
Report Date: 23-Sep-2009 09:23

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 117 1,2,3-Trichlorobenzene | 180 | 11.887 | 11.887 | (1.173) | 40634 | 14.4657 | 72 |
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 88169 | 34.6812 | 170 |
| M 121 Xylene (Total) | 100 | | | | 182819 | 48.0447 | 240 |

QC Flag Legend

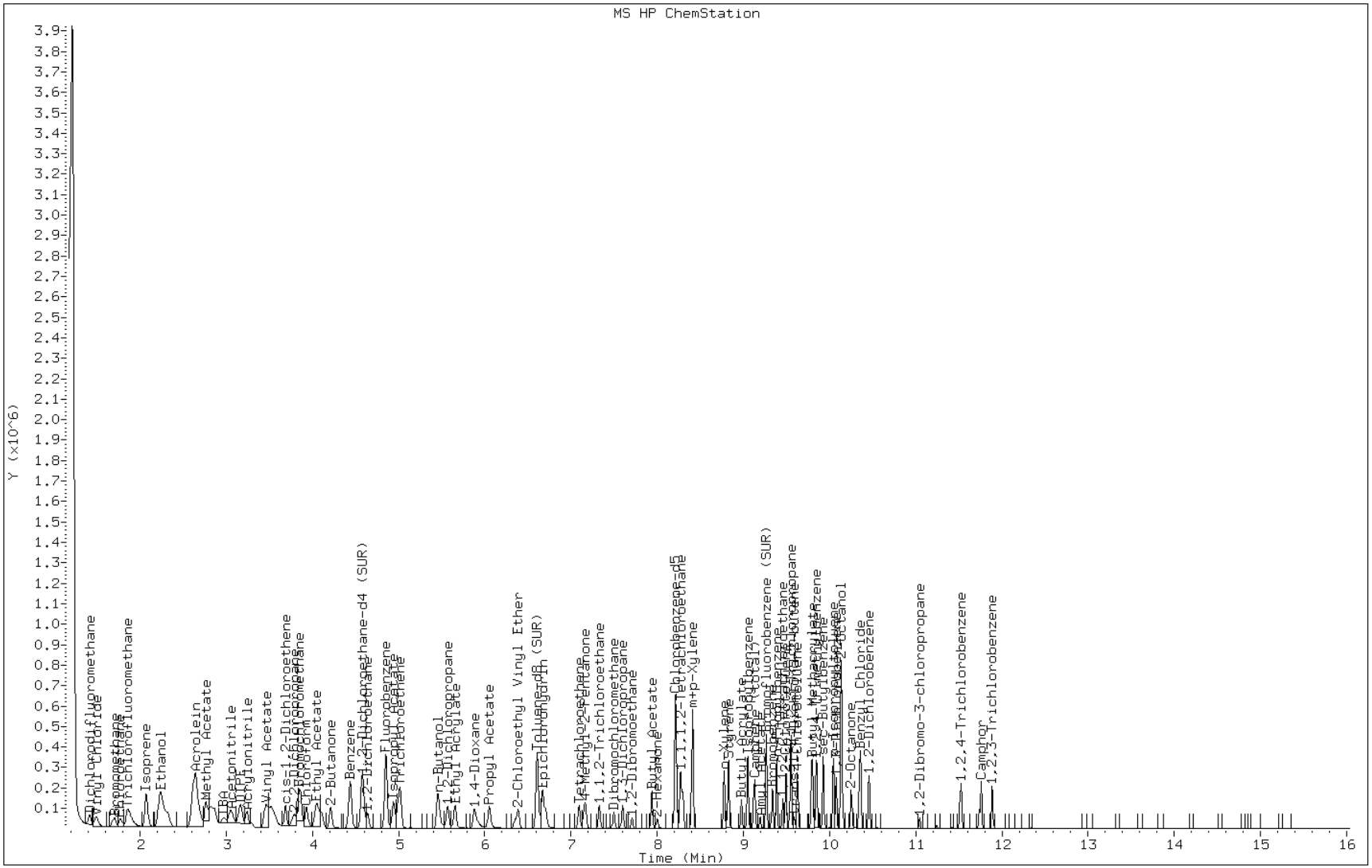
R - Spike/Surrogate failed recovery limits.

Data File: d12790.d

Date: 22-SEP-2009 20:14

Client ID: Instrument: VOAMS4.i

Sample Info: 460-5829-C-4MS;5 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-23S MSD | Lab Sample ID: 460-5829-4 MSD

Matrix: Water | Lab File ID: d12791.d

Analysis Method: 8260B | Date Collected: 09/17/2009 12:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/22/2009 20:38

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17651 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 107 | | 5.0 | 0.95 |
| 67-64-1 | Acetone | 150 | | 50 | 12 |
| 79-01-6 | Trichloroethene | 106 | | 5.0 | 0.90 |
| 71-43-2 | Benzene | 112 | | 5.0 | 0.65 |
| 108-88-3 | Toluene | 105 | | 5.0 | 0.45 |
| 100-41-4 | Ethylbenzene | 108 | | 5.0 | 1.2 |
| 1330-20-7 | Xylenes, Total | 292 | | 15 | 2.2 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 98 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 101 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 102 | 69-125 | |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12791.d
Report Date: 23-Sep-2009 09:23

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12791.d
Lab Smp Id: 460-5829-C-4MSD
Inj Date : 22-SEP-2009 20:38
Operator : Inst ID: VOAMS4.i
Smp Info : 460-5829-C-4MSD;5
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/8260_09.m
Meth Date : 23-Sep-2009 09:22 pritch Quant Type: ISTD
Cal Date : 21-SEP-2009 08:47 Cal File: d12714.d
Als bottle: 9 QC Sample: MSD
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 5.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 1.311 | 1.317 | (0.270) | 61305 | 21.2880 | 110 |
| 3 Chloromethane | 50 | 1.411 | 1.423 | (0.291) | 91580 | 20.4049 | 100 |
| 4 Vinyl Chloride | 62 | 1.494 | 1.494 | (0.308) | 96050 | 20.5937 | 100 |
| 6 Bromomethane | 94 | 1.705 | 1.705 | (0.351) | 55900 | 20.0405 | 100 |
| 5 Chloroethane | 64 | 1.770 | 1.776 | (0.365) | 60380 | 24.3276 | 120 |
| 7 Trichlorofluoromethane | 101 | 1.894 | 1.900 | (0.390) | 102581 | 21.8223 | 110 |
| 8 n-Pentane | 72 | 1.858 | 1.864 | (0.383) | 10201 | 22.2784 | 110 |
| 9 Ethanol | 46 | 2.247 | 2.294 | (0.463) | 65284 | 2360.60 | 12000 |
| 10 Isoprene | 67 | 2.070 | 2.076 | (0.427) | 76628 | 16.3421 | 82 |
| 11 Ethyl Ether | 59 | 2.082 | 2.088 | (0.429) | 53225 | 18.2632 | 91 |
| 13 Acrolein | 56 | 2.458 | 2.476 | (0.507) | 6185 | 22.2526 | 110(R) |
| 15 1,1-Dichloroethene | 96 | 2.223 | 2.229 | (0.458) | 50457 | 20.4295 | 100 |
| 14 Freon TF | 101 | 2.282 | 2.288 | (0.470) | 55460 | 17.0152 | 85 |
| 16 Acetone | 58 | 2.688 | 2.688 | (0.554) | 9945 | 29.9134 | 150(R) |
| 17 Iodomethane | 142 | 2.323 | 2.335 | (0.479) | 94467 | 19.0611 | 95 |
| 18 Carbon Disulfide | 76 | 2.247 | 2.247 | (0.463) | 222332 | 17.5778 | 88 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12791.d
Report Date: 23-Sep-2009 09:23

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 19 Isopropanol | 45 | 2.623 | 2.629 | (0.541) | 833414 | 2936.55 | 15000 |
| | 21 Acetonitrile | 39 | 3.052 | 3.058 | (0.629) | 43312 | 301.570 | 1500 |
| | 27 Methyl Acetate | 74 | 2.788 | 2.794 | (0.575) | 22179 | 23.1971 | 120 |
| | 22 Methylene Chloride | 84 | 2.647 | 2.647 | (0.545) | 64847 | 21.3939 | 110 |
| | 24 TBA | 59 | 2.970 | 2.982 | (0.612) | 143065 | 320.160 | 1600 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.758 | 2.758 | (0.568) | 47456 | 19.1596 | 96 |
| | 26 Acrylonitrile | 53 | 3.294 | 3.294 | (0.679) | 29762 | 22.7903 | 110 |
| | 28 MTBE | 73 | 2.858 | 2.864 | (0.589) | 158095 | 19.0179 | 95 |
| | 29 Hexane | 56 | 2.817 | 2.823 | (0.581) | 43230 | 18.4189 | 92 |
| | 30 1,1-Dichloroethane | 63 | 3.241 | 3.246 | (0.668) | 100784 | 20.6317 | 100 |
| | 31 Vinyl Acetate | 43 | 3.464 | 3.464 | (0.714) | 42553 | 11.2527 | 56(R) |
| | 32 DIPE | 45 | 3.276 | 3.170 | (0.675) | 2692 | 0.26853 | 1.3(aR) |
| | 35 t-Butyl-ethyl-ether | 59 | 3.458 | 3.458 | (0.713) | 172303 | 19.4488 | 97 |
| | 37 2,2-Dichloropropane | 77 | 3.788 | 3.788 | (0.781) | 78297 | 20.8923 | 100 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.688 | 3.688 | (0.760) | 58284 | 21.2330 | 110 |
| | 38 2-Butanone | 72 | 4.217 | 4.217 | (0.869) | 10264 | 19.3548 | 97 |
| | 39 Ethyl Acetate | 70 | 4.052 | 4.064 | (0.835) | 13648 | 43.6118 | 220 |
| | 40 Bromochloromethane | 128 | 3.852 | 3.858 | (0.794) | 29724 | 22.0335 | 110 |
| | 41 Tetrahydrofuran | 42 | 4.064 | 4.070 | (0.838) | 31624 | 20.4900 | 100 |
| | 42 Chloroform | 83 | 3.929 | 3.935 | (0.810) | 103604 | 22.1114 | 110 |
| | 43 1,1,1-Trichloroethane | 97 | 4.105 | 4.105 | (0.846) | 86458 | 21.5147 | 110 |
| | 44 Cyclohexane | 56 | 3.852 | 3.858 | (0.794) | 101769 | 18.6068 | 93 |
| | 45 Carbon Tetrachloride | 117 | 4.041 | 4.041 | (0.833) | 75737 | 18.3587 | 92 |
| | 46 1,1-Dichloropropene | 75 | 4.211 | 4.211 | (0.868) | 65540 | 20.1683 | 100 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.576 | 4.582 | (0.943) | 124486 | 49.0127 | 49 |
| | 48 Benzene | 78 | 4.441 | 4.446 | (0.541) | 218804 | 22.4342 | 110 |
| | 49 1,2-Dichloroethane | 62 | 4.641 | 4.641 | (0.956) | 80006 | 21.8819 | 110 |
| | 51 n-Heptane | 57 | 4.435 | 4.435 | (0.914) | 31235 | 18.4871 | 92 |
| | 50 t-Amyl-methyl-ether | 73 | 4.582 | 4.582 | (0.944) | 158475 | 21.3569 | 110 |
| | 61 Isopropyl Acetate | 43 | 4.941 | 4.940 | (1.018) | 241831 | 40.0196 | 200 |
| * | 52 Fluorobenzene | 96 | 4.852 | 4.852 | (1.000) | 390667 | 50.0000 | |
| | 54 Trichloroethene | 95 | 5.017 | 5.017 | (1.034) | 53112 | 21.2744 | 110 |
| | 53 n-Butanol | 56 | 5.458 | 5.458 | (1.125) | 136826 | 1518.31 | 7600 |
| | 56 Methyl cyclohexane | 83 | 4.999 | 5.005 | (1.030) | 83502 | 18.7624 | 94 |
| | 55 Ethyl Acrylate | 55 | 5.646 | 5.652 | (1.164) | 69229 | 20.2090 | 100 |
| | 57 1,2-Dichloropropane | 63 | 5.570 | 5.570 | (1.148) | 61381 | 22.0739 | 110 |
| | 58 Dibromomethane | 93 | 5.458 | 5.458 | (1.125) | 38465 | 22.4944 | 110 |
| | 60 1,4-Dioxane | 88 | 5.893 | 5.887 | (1.215) | 109945 | 2846.94 | 14000 |
| | 59 Methyl Methacrylate | 100 | 5.876 | 5.870 | (1.211) | 12469 | 17.3211 | 87 |
| | 75 Propyl Acetate | 43 | 6.052 | 6.052 | (1.247) | 171960 | 38.1068 | 190 |
| | 68 Bromodichloromethane | 83 | 5.658 | 5.658 | (1.166) | 76835 | 21.3628 | 110 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 6.352 | 6.352 | (1.309) | 29185 | 14.5931 | 73 |
| | 63 Epichlorohydrin | 57 | 6.705 | 6.705 | (0.817) | 126848 | 384.481 | 1900 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.388 | 6.387 | (0.778) | 78470 | 21.5069 | 110 |
| | 70 4-Methyl-2-Pentanone | 43 | 7.152 | 7.146 | (0.871) | 61924 | 20.8060 | 100 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.605 | 6.605 | (0.804) | 295147 | 51.0531 | 51 |
| | 66 Toluene | 91 | 6.670 | 6.670 | (0.812) | 208867 | 20.9579 | 100 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12791.d
Report Date: 23-Sep-2009 09:23

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 64 | trans-1,3-Dichloropropene | 75 | 7.170 | 7.164 | (0.873) | 68867 | 20.7941 | 100 |
| 69 | 1,1,2-Trichloroethane | 83 | 7.329 | 7.329 | (0.893) | 40890 | 21.8626 | 110 |
| 71 | Tetrachloroethene | 166 | 7.093 | 7.093 | (0.864) | 45642 | 21.6529 | 110 |
| 72 | 1,3-Dichloropropane | 76 | 7.599 | 7.599 | (0.925) | 77847 | 21.6994 | 110 |
| 73 | 2-Hexanone | 43 | 7.999 | 7.999 | (0.974) | 42284 | 19.0837 | 95 |
| 74 | Dibromochloromethane | 129 | 7.499 | 7.499 | (0.913) | 52869 | 23.0502 | 120 |
| 76 | Butyl Acetate | 73 | 7.940 | 7.940 | (0.967) | 24383 | 32.2516 | 160 |
| 77 | 1,2-Dibromoethane | 107 | 7.705 | 7.705 | (0.938) | 45094 | 22.0784 | 110 |
| * 78 | Chlorobenzene-d5 | 117 | 8.211 | 8.211 | (1.000) | 260708 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.223 | 8.223 | (1.001) | 125783 | 21.1284 | 100 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.293 | 8.293 | (1.010) | 54195 | 21.8614 | 110 |
| 81 | Ethylbenzene | 106 | 8.270 | 8.270 | (1.007) | 65205 | 21.6337 | 110 |
| 82 | m+p-Xylene | 106 | 8.411 | 8.411 | (1.024) | 161869 | 44.3987 | 220 |
| 84 | o-Xylene | 106 | 8.776 | 8.776 | (1.069) | 78475 | 19.1427 | 96 |
| 85 | Styrene | 104 | 8.823 | 8.823 | (1.075) | 122920 | 17.8514 | 89 |
| 83 | Butyl Acrylate | 73 | 8.981 | 8.976 | (1.094) | 32624 | 16.1638 | 81 |
| 86 | Bromoform | 173 | 8.829 | 8.828 | (1.075) | 35664 | 22.2621 | 110 |
| 87 | Amyl Acetate | 43 | 9.193 | 9.193 | (0.907) | 32031 | 19.5216 | 98 |
| 88 | Isopropylbenzene | 105 | 9.052 | 9.046 | (1.102) | 227291 | 20.4546 | 100 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.264 | 9.264 | (0.914) | 96804 | 50.3146 | 50 |
| 90 | Camphene (total) | 93 | 9.129 | 9.128 | (1.112) | 66359 | 18.0503 | 90 |
| 91 | Bromobenzene | 156 | 9.334 | 9.334 | (0.921) | 51674 | 21.2467 | 110 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.458 | 9.458 | (0.933) | 76271 | 22.4124 | 110 |
| 93 | 1,2,3-Trichloropropane | 110 | 9.546 | 9.546 | (0.942) | 20872 | 22.3417 | 110 |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.593 | 9.593 | (0.947) | 14088 | 15.6884 | 78 |
| 95 | n-Propylbenzene | 91 | 9.387 | 9.387 | (0.926) | 261346 | 21.6059 | 110 |
| 96 | 2-Chlorotoluene | 91 | 9.493 | 9.493 | (0.937) | 154546 | 21.2522 | 110 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.552 | 9.552 | (0.943) | 186253 | 19.2934 | 96 |
| 98 | 4-Chlorotoluene | 91 | 9.628 | 9.628 | (0.950) | 150912 | 21.7234 | 110 |
| 99 | Butyl Methacrylate | 87 | 9.805 | 9.805 | (0.967) | 63134 | 17.5046 | 88 |
| 100 | tert-Butylbenzene | 119 | 9.793 | 9.793 | (0.966) | 144327 | 18.8098 | 94 |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.846 | 9.846 | (0.972) | 190057 | 19.5363 | 98 |
| 102 | 2-Octanone | 43 | 10.252 | 10.252 | (1.012) | 101104 | 17.1498 | 86 |
| 103 | sec-Butylbenzene | 105 | 9.928 | 9.928 | (0.980) | 243798 | 19.4234 | 97 |
| 104 | 2-Octanol | 45 | 10.128 | 10.128 | (0.999) | 30373 | 14.3391 | 72 |
| 105 | 1,3-Dichlorobenzene | 146 | 10.076 | 10.075 | (0.994) | 98787 | 21.5848 | 110 |
| 107 | p-Isopropyltoluene | 119 | 10.046 | 10.046 | (0.991) | 191149 | 18.7721 | 94 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 10.134 | 10.134 | (1.000) | 128973 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 10.146 | 10.146 | (1.001) | 101958 | 21.4527 | 110 |
| 110 | Benzyl Chloride | 91 | 10.358 | 10.358 | (1.022) | 296782 | 18.8495 | 94 |
| 106 | n-Butylbenzene | 91 | 10.358 | 10.358 | (1.022) | 296782 | 18.8495 | 94 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.458 | 10.458 | (1.032) | 101248 | 21.3858 | 110 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 11.046 | 11.046 | (1.090) | 14127 | 21.3557 | 110 |
| 113 | Camphor | 95 | 11.734 | 11.734 | (1.158) | 28117 | 73.0845 | 360 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.528 | 11.528 | (1.138) | 65551 | 21.0243 | 100 |
| 115 | Hexachlorobutadiene | 225 | 11.511 | 11.511 | (1.136) | 27664 | 18.0158 | 90 |
| 116 | Naphthalene | 128 | 11.758 | 11.764 | (1.160) | 197049 | 20.7053 | 100 |

Data File: /chem/VOAMS4.i/8260_09/09-21-09/22sep09a.b/d12791.d
Report Date: 23-Sep-2009 09:23

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 117 1,2,3-Trichlorobenzene | 180 | 11.887 | 11.887 | (1.173) | 69830 | 22.3410 | 110 |
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 105740 | 40.4990 | 200 |
| M 121 Xylene (Total) | 100 | | | | 240344 | 58.3318 | 290 |

QC Flag Legend

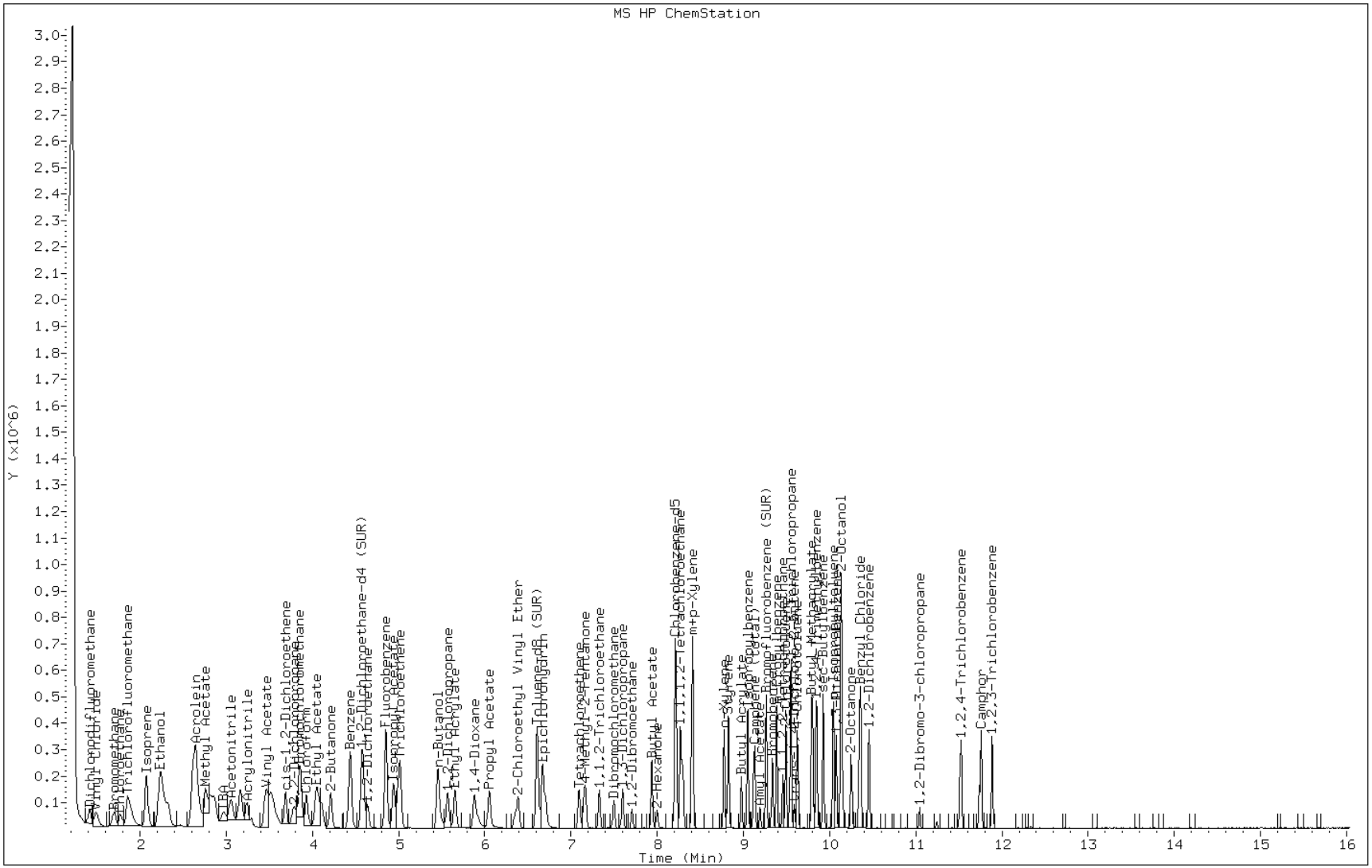
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: d12791.d

Date: 22-SEP-2009 20:38

Client ID: Instrument: VOAMS4.i

Sample Info: 460-5829-C-4MSD;5 Operator:



# GC/MS SEMI VOA

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-5MS ID: 0.25 (mm)

| Client Sample ID | Lab Sample ID | NBZ # | FBP # | TPH # |
|---|---|---|---|---|
| MW-17R | 460-5829-1 | 107 | 97 | 102 |
| MW-25S | 460-5829-2 | 98 | 89 | 92 |
| MW-23I | 460-5829-3 | 107 | 91 | 103 |
| MW-23S | 460-5829-4 | 90 | 89 | 92 |
| MW-18 | 460-5829-5 | 97 | 78 | 91 |
| PZ-5S | 460-5829-6 | 91 | 83 | 92 |
| PZ-5D | 460-5829-7 | 103 | 94 | 94 |
| MW-19 | 460-5829-8 | 78 | 72 | 74 |
| | MB 460-17565/1-A | 97 | 88 | 94 |
| | MB 460-17692/1-A | 89 | 84 | 78 |
| | LCS 460-17565/2-A | 99 | 93 | 89 |
| | LCS 460-17692/2-A | 84 | 82 | 79 |
| | LCSD 460-17565/3-A | 94 | 90 | 83 |
| | LCSD 460-17692/3-A | 87 | 85 | 81 |

| | QC LIMITS |
|---|---|
| NBZ = Nitrobenzene-d5 | 69-120 |
| FBP = 2-Fluorobiphenyl | 64-119 |
| TPH = Terphenyl-d14 | 38-141 |

# Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z4093.d

Lab ID: LCS 460-17565/2-A Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Aniline | 100 | 74.0 | 74 | 45-90 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low Lab File ID: x2624.d

Lab ID: LCS 460-17692/2-A Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Aniline | 100 | 60.1 | 60 | 45-90 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z4094.d

Lab ID: LCSD 460-17565/3-A Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Aniline | 100 | 66.7 | 67 | 10 | 30 | 45-90 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low Lab File ID: x2719.d

Lab ID: LCSD 460-17692/3-A Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Aniline | 100 | 55.7 | 56 | 7 | 30 | 45-90 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: z4092.d Lab Sample ID: MB 460-17565/1-A

Matrix: Water Date Extracted: 09/22/2009 07:22

Instrument ID: BNAMS11 Date Analyzed: 09/22/2009 20:15

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 460-17565/2-A | z4093.d | 09/22/2009 20:40 |
| | LCSD 460-17565/3-A | z4094.d | 09/22/2009 21:05 |
| MW-17R | 460-5829-1 | z4095.d | 09/22/2009 21:29 |
| MW-25S | 460-5829-2 | z4096.d | 09/22/2009 21:54 |
| MW-18 | 460-5829-5 | z4099.d | 09/22/2009 23:08 |
| PZ-5S | 460-5829-6 | z4100.d | 09/22/2009 23:32 |
| PZ-5D | 460-5829-7 | z4101.d | 09/22/2009 23:57 |
| MW-23I | 460-5829-3 | z4140.d | 09/23/2009 17:11 |

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: x2623.d Lab Sample ID: MB 460-17692/1-A

Matrix: Water Date Extracted: 09/23/2009 07:17

Instrument ID: BNAMS5 Date Analyzed: 09/25/2009 06:24

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 460-17692/2-A | x2624.d | 09/25/2009 06:50 |
| MW-23S | 460-5829-4 | x2628.d | 09/25/2009 08:30 |
| | LCSD 460-17692/3-A | x2719.d | 09/29/2009 20:38 |
| MW-19 | 460-5829-8 | x2720.d | 09/29/2009 21:12 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: z4009.d DFTPP Injection Date: 09/21/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 00:31

Analysis Batch No.: 17499

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 39.4 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 37.5 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 48.9 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.4 | |
| 275 | 10.0 - 30.0 % of mass 198 | 26.0 | |
| 365 | Greater than 1.0 % of mass 198 | 2.6 | |
| 441 | Present but less than mass 443 | 12.4 | |
| 442 | Greater than 40.0 % of mass 198 | 90.1 | |
| 443 | 17.0 - 23.0 % of mass 442 | 17.3 | (19.2)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | ICIS 460-17499/2 | z4010.d | 09/21/2009 | 01:32 |
| | IC 460-17499/3 | z4011.d | 09/21/2009 | 02:22 |
| | IC 460-17499/4 | z4012.d | 09/21/2009 | 02:46 |
| | IC 460-17499/5 | z4013.d | 09/21/2009 | 03:10 |
| | IC 460-17499/6 | z4014.d | 09/21/2009 | 03:34 |
| | IC 460-17499/7 | z4015.d | 09/21/2009 | 03:58 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: z4079.d DFTPP Injection Date: 09/22/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 14:29

Analysis Batch No.: 17774

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 40.3 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 37.4 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 52.0 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.9 | |
| 275 | 10.0 - 30.0 % of mass 198 | 26.7 | |
| 365 | Greater than 1.0 % of mass 198 | 2.1 | |
| 441 | Present but less than mass 443 | 13.5 | |
| 442 | Greater than 40.0 % of mass 198 | 90.5 | |
| 443 | 17.0 - 23.0 % of mass 442 | 17.5 | (19.3)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17774/2 | z4081.d | 09/22/2009 | 15:25 |
| | MB 460-17565/1-A | z4092.d | 09/22/2009 | 20:15 |
| | LCS 460-17565/2-A | z4093.d | 09/22/2009 | 20:40 |
| | LCSD 460-17565/3-A | z4094.d | 09/22/2009 | 21:05 |
| MW-17R | 460-5829-1 | z4095.d | 09/22/2009 | 21:29 |
| MW-25S | 460-5829-2 | z4096.d | 09/22/2009 | 21:54 |
| MW-18 | 460-5829-5 | z4099.d | 09/22/2009 | 23:08 |
| PZ-5S | 460-5829-6 | z4100.d | 09/22/2009 | 23:32 |
| PZ-5D | 460-5829-7 | z4101.d | 09/22/2009 | 23:57 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: z4126.d DFTPP Injection Date: 09/23/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 11:15

Analysis Batch No.: 17780

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 38.2 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 37.2 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 51.0 | |
| 197 | Less than 1.0 % of mass 198 | 0.6 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.4 | |
| 275 | 10.0 - 30.0 % of mass 198 | 24.8 | |
| 365 | Greater than 1.0 % of mass 198 | 3.0 | |
| 441 | Present but less than mass 443 | 12.8 | |
| 442 | Greater than 40.0 % of mass 198 | 88.9 | |
| 443 | 17.0 - 23.0 % of mass 442 | 17.2 | (19.4)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17780/2 | z4127.d | 09/23/2009 | 11:36 |
| MW-23I | 460-5829-3 | z4140.d | 09/23/2009 | 17:11 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: X2594.d DFTPP Injection Date: 09/24/2009

Instrument ID: BNAMS5 DFTPP Injection Time: 10:48

Analysis Batch No.: 18089

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 49.4 | |
| 68 | Less than 2.0 % of mass 69 | 0.6 | (1.4)1 |
| 69 | Mass 69 relative abundance | 45.1 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 50.2 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.4 | |
| 275 | 10.0 - 30.0 % of mass 198 | 25.1 | |
| 365 | Greater than 1.0 % of mass 198 | 3.3 | |
| 441 | Present but less than mass 443 | 9.2 | |
| 442 | Greater than 40.0 % of mass 198 | 60.8 | |
| 443 | 17.0 - 23.0 % of mass 442 | 11.3 | (18.6)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | ICIS 460-18089/2 | X2595.d | 09/24/2009 | 11:03 |
| | IC 460-18089/3 | X2596.d | 09/24/2009 | 11:28 |
| | IC 460-18089/4 | X2598.d | 09/24/2009 | 12:17 |
| | IC 460-18089/5 | X2599.d | 09/24/2009 | 12:42 |
| | IC 460-18089/6 | X2600.d | 09/24/2009 | 13:07 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: x2616.d DFTPP Injection Date: 09/25/2009

Instrument ID: BNAMS5 DFTPP Injection Time: 03:29

Analysis Batch No.: 18193

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 48.7 | |
| 68 | Less than 2.0 % of mass 69 | 0.9 | (2.0)1 |
| 69 | Mass 69 relative abundance | 44.0 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 49.0 | |
| 197 | Less than 1.0 % of mass 198 | 0.8 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.7 | |
| 275 | 10.0 - 30.0 % of mass 198 | 24.2 | |
| 365 | Greater than 1.0 % of mass 198 | 3.5 | |
| 441 | Present but less than mass 443 | 10.3 | |
| 442 | Greater than 40.0 % of mass 198 | 62.8 | |
| 443 | 17.0 - 23.0 % of mass 442 | 11.9 | (19.0)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-18193/2 | x2617.d | 09/25/2009 | 03:48 |
| | MB 460-17692/1-A | x2623.d | 09/25/2009 | 06:24 |
| | LCS 460-17692/2-A | x2624.d | 09/25/2009 | 06:50 |
| MW-23S | 460-5829-4 | x2628.d | 09/25/2009 | 08:30 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: x2661.d DFTPP Injection Date: 09/28/2009

Instrument ID: BNAMS5 DFTPP Injection Time: 11:55

Analysis Batch No.: 18326

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 48.4 | |
| 68 | Less than 2.0 % of mass 69 | 0.9 | (1.9)1 |
| 69 | Mass 69 relative abundance | 45.1 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 50.4 | |
| 197 | Less than 1.0 % of mass 198 | 0.5 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.4 | |
| 275 | 10.0 - 30.0 % of mass 198 | 24.7 | |
| 365 | Greater than 1.0 % of mass 198 | 3.4 | |
| 441 | Present but less than mass 443 | 9.4 | |
| 442 | Greater than 40.0 % of mass 198 | 63.4 | |
| 443 | 17.0 - 23.0 % of mass 442 | 12.3 | (19.3)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | ICIS 460-18326/2 | x2662.d | 09/28/2009 | 12:10 |
| | IC 460-18326/3 | x2663.d | 09/28/2009 | 12:37 |
| | IC 460-18326/4 | x2664.d | 09/28/2009 | 13:02 |
| | IC 460-18326/5 | x2665.d | 09/28/2009 | 13:27 |
| | IC 460-18326/6 | x2666.d | 09/28/2009 | 13:52 |
| | IC 460-18326/7 | x2667.d | 09/28/2009 | 14:17 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab File ID: x2716.d DFTPP Injection Date: 09/29/2009

Instrument ID: BNAMS5 DFTPP Injection Time: 19:07

Analysis Batch No.: 18382

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 52.2 | |
| 68 | Less than 2.0 % of mass 69 | 0.7 | (1.5)1 |
| 69 | Mass 69 relative abundance | 48.7 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 53.3 | |
| 197 | Less than 1.0 % of mass 198 | 0.9 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.8 | |
| 275 | 10.0 - 30.0 % of mass 198 | 24.8 | |
| 365 | Greater than 1.0 % of mass 198 | 3.0 | |
| 441 | Present but less than mass 443 | 9.6 | |
| 442 | Greater than 40.0 % of mass 198 | 66.7 | |
| 443 | 17.0 - 23.0 % of mass 442 | 12.3 | (18.5)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-18382/2 | x2717.d | 09/29/2009 | 19:22 |
| | LCSD 460-17692/3-A | x2719.d | 09/29/2009 | 20:38 |
| MW-19 | 460-5829-8 | x2720.d | 09/29/2009 | 21:12 |

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Sample No.: CCVIS 460-17774/2 Date Analyzed: 09/22/2009 15:25

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4081.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 355361 | 4.31 | 1261584 | 5.59 | 585018 | 7.35 |
| UPPER LIMIT | | 710722 | 4.81 | 2523168 | 6.09 | 1170036 | 7.85 |
| LOWER LIMIT | | 177681 | 3.81 | 630792 | 5.09 | 292509 | 6.85 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 460-17565/1-A | | 424152 | 4.30 | 1583283 | 5.59 | 785056 | 7.34 |
| LCS 460-17565/2-A | | 405748 | 4.30 | 1426993 | 5.59 | 659391 | 7.35 |
| LCSD 460-17565/3-A | | 386711 | 4.30 | 1372294 | 5.59 | 626112 | 7.35 |
| 460-5829-1 | MW-17R | 368922 | 4.30 | 1307492 | 5.59 | 622091 | 7.34 |
| 460-5829-2 | MW-25S | 422277 | 4.30 | 1510863 | 5.59 | 722718 | 7.34 |
| 460-5829-5 | MW-18 | 383429 | 4.30 | 1385534 | 5.59 | 685495 | 7.34 |
| 460-5829-6 | PZ-5S | 439448 | 4.30 | 1579792 | 5.59 | 775745 | 7.34 |
| 460-5829-7 | PZ-5D | 364906 | 4.30 | 1308800 | 5.59 | 635878 | 7.34 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Sample No.: CCVIS 460-17774/2 Date Analyzed: 09/22/2009 15:25

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4081.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 700802 | 8.80 | 340619 | 11.56 | 212921 | 13.46 |
| UPPER LIMIT | | 1401604 | 9.30 | 681238 | 12.06 | 425842 | 13.96 |
| LOWER LIMIT | | 350401 | 8.30 | 170310 | 11.06 | 106461 | 12.96 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 460-17565/1-A | | 1025717 | 8.80 | 501658 | 11.55 | 286461 | 13.46 |
| LCS 460-17565/2-A | | 797900 | 8.80 | 396022 | 11.56 | 266754 | 13.46 |
| LCSD 460-17565/3-A | | 737788 | 8.80 | 365085 | 11.56 | 246889 | 13.46 |
| 460-5829-1 | MW-17R | 769495 | 8.80 | 368167 | 11.55 | 218509 | 13.46 |
| 460-5829-2 | MW-25S | 900860 | 8.80 | 423237 | 11.55 | 265136 | 13.46 |
| 460-5829-5 | MW-18 | 929343 | 8.80 | 483732 | 11.55 | 275616 | 13.46 |
| 460-5829-6 | PZ-5S | 1004630 | 8.80 | 461669 | 11.55 | 267714 | 13.46 |
| 460-5829-7 | PZ-5D | 855033 | 8.80 | 455060 | 11.55 | 270546 | 13.46 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Sample No.: CCVIS 460-17780/2 Date Analyzed: 09/23/2009 11:36

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4127.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 363850 | 4.29 | 1236944 | 5.57 | 548294 | 7.33 |
| UPPER LIMIT | | 727700 | 4.79 | 2473888 | 6.07 | 1096588 | 7.83 |
| LOWER LIMIT | | 181925 | 3.79 | 618472 | 5.07 | 274147 | 6.83 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| 460-5829-3 | MW-23I | 455756 | 4.29 | 1678386 | 5.57 | 811118 | 7.32 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Sample No.: CCVIS 460-17780/2 Date Analyzed: 09/23/2009 11:36

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4127.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 597816 | 8.79 | 285786 | 11.54 | 189075 | 13.43 |
| UPPER LIMIT | | 1195632 | 9.29 | 571572 | 12.04 | 378150 | 13.93 |
| LOWER LIMIT | | 298908 | 8.29 | 142893 | 11.04 | 94538 | 12.93 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| 460-5829-3 | MW-23I | 1046055 | 8.79 | 465514 | 11.53 | 262022 | 13.43 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Sample No.: CCVIS 460-18193/2 Date Analyzed: 09/25/2009 03:48

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): x2617.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 970221 | 3.61 | 3198528 | 4.91 | 1366503 | 6.65 |
| UPPER LIMIT | | 1940442 | 4.11 | 6397056 | 5.41 | 2733006 | 7.15 |
| LOWER LIMIT | | 485111 | 3.11 | 1599264 | 4.41 | 683252 | 6.15 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 460-17692/1-A | | 1132515 | 3.60 | 4037770 | 4.90 | 1863482 | 6.65 |
| LCS 460-17692/2-A | | 1015031 | 3.61 | 3342875 | 4.90 | 1433596 | 6.65 |
| 460-5829-4 | MW-23S | 986128 | 3.60 | 3384157 | 4.90 | 1445523 | 6.65 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Sample No.: CCVIS 460-18193/2 Date Analyzed: 09/25/2009 03:48

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): x2617.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 1457321 | 8.10 | 822389 | 10.71 | 575276 | 12.42 |
| UPPER LIMIT | | 2914642 | 8.60 | 1644778 | 11.21 | 1150552 | 12.92 |
| LOWER LIMIT | | 728661 | 7.60 | 411195 | 10.21 | 287638 | 11.92 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 460-17692/1-A | | 2155510 | 8.10 | 1112291 | 10.71 | 741173 | 12.41 |
| LCS 460-17692/2-A | | 1536771 | 8.10 | 847261 | 10.71 | 614912 | 12.41 |
| 460-5829-4 | MW-23S | 1546245 | 8.10 | 847547 | 10.70 | 653226 | 12.41 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Sample No.: CCVIS 460-18382/2 Date Analyzed: 09/29/2009 19:22

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): x2717.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 1213260 | 3.49 | 4294068 | 4.79 | 1918513 | 6.55 |
| UPPER LIMIT | | 2426520 | 3.99 | 8588136 | 5.29 | 3837026 | 7.05 |
| LOWER LIMIT | | 606630 | 2.99 | 2147034 | 4.29 | 959257 | 6.05 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCSD 460-17692/3-A | | 867822 | 3.48 | 3077536 | 4.79 | 1471063 | 6.54 |
| 460-5829-8 | MW-19 | 1095285 | 3.48 | 4071122 | 4.79 | 2149451 | 6.55 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Sample No.: CCVIS 460-18382/2 Date Analyzed: 09/29/2009 19:22

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): x2717.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 2116045 | 7.99 | 1127994 | 10.58 | 657836 | 12.24 |
| UPPER LIMIT | | 4232090 | 8.49 | 2255988 | 11.08 | 1315672 | 12.74 |
| LOWER LIMIT | | 1058023 | 7.49 | 563997 | 10.08 | 328918 | 11.74 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCSD 460-17692/3-A | | 1739628 | 7.99 | 903386 | 10.57 | 520671 | 12.24 |
| 460-5829-8 | MW-19 | 2693142 | 7.99 | 1442288 | 10.58 | 891762 | 12.25 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-17R | Lab Sample ID: 460-5829-1

Matrix: Water | Lab File ID: z4095.d

Analysis Method: 8270C | Date Collected: 09/17/2009 15:35

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/22/2009 21:29

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 97 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 107 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 102 | 38-141 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4095.d
Report Date: 23-Sep-2009 12:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4095.d
Lab Smp Id: 460-5829-H-1-A  Client Smp ID: MW-17R
Inj Date  : 22-SEP-2009 21:29
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5829-H-1-A
Misc Info : 460-5829-H-1-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom  Quant Type: ISTD
Cal Date  : 22-SEP-2009 15:25  Cal File: z4081.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.687 | 1.651 | (0.392) | 1481 | 0.27668 | 0.55(aH) |
| $ 16 2-Fluorophenol (SUR) | 112 | 3.034 | 3.028 | (0.705) | 282503 | 22.6104 | 45 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.940 | 3.957 | (0.915) | 194322 | 14.3693 | 29 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 368922 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.475 | 4.481 | (1.040) | 3541 | 0.25462 | 0.51(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.863 | 4.869 | (0.870) | 668569 | 53.5291 | 110 |
| * 80 Naphthalene-d8 | 136 | 5.587 | 5.592 | (1.000) | 1307492 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1078315 | 48.6585 | 97 |
| * 82 Acenaphthene-d10 | 164 | 7.339 | 7.345 | (1.000) | 622091 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.116 | 8.122 | (1.106) | 102981 | 47.1862 | 94 |
| * 83 Phenanthrene-d10 | 188 | 8.798 | 8.804 | (1.000) | 769495 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.375 | 10.380 | (0.898) | 612374 | 51.0322 | 100 |
| * 81 Chrysene-d12 | 240 | 11.551 | 11.557 | (1.000) | 368167 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 218509 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4095.d
Report Date: 23-Sep-2009 12:39

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z4095.d

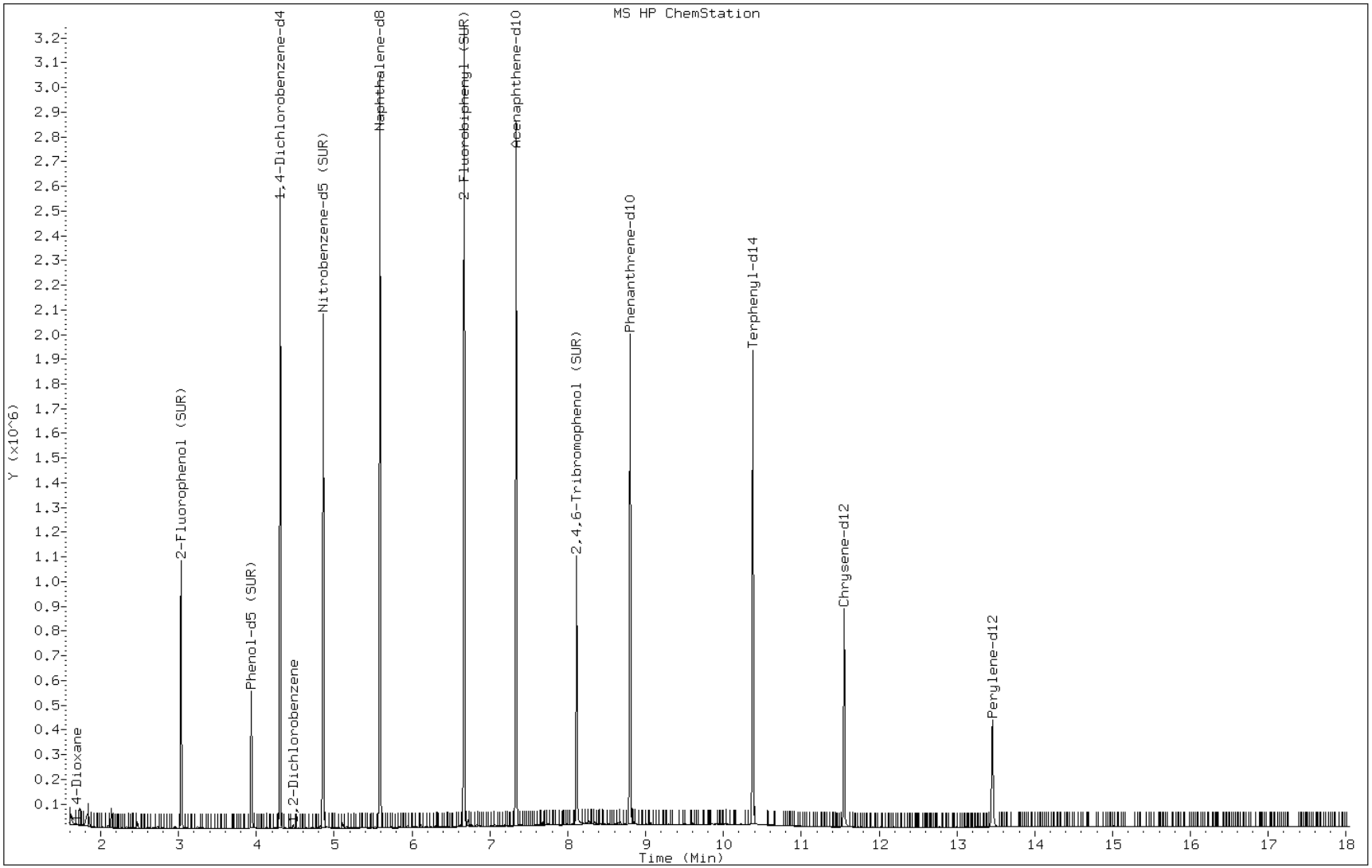
Date: 22-SEP-2009 21:29

Client ID: MW-17R

Instrument: BNAMS11.i

Sample Info: 460-5829-H-1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-25S | Lab Sample ID: 460-5829-2

Matrix: Water | Lab File ID: z4096.d

Analysis Method: 8270C | Date Collected: 09/17/2009 09:50

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/22/2009 21:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 89 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 98 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 92 | 38-141 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4096.d
Report Date: 23-Sep-2009 12:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4096.d
Lab Smp Id: 460-5829-G-2-A  Client Smp ID: MW-25S
Inj Date  : 22-SEP-2009 21:54
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5829-G-2-A
Misc Info : 460-5829-G-2-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom  Quant Type: ISTD
Cal Date  : 22-SEP-2009 15:25  Cal File: z4081.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.699 | 1.651 | (0.395) | 1037 | 0.16926 | 0.34(aH) |
| $ 16 2-Fluorophenol (SUR) | 112 | 3.034 | 3.028 | (0.705) | 285756 | 19.9810 | 40 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.940 | 3.957 | (0.915) | 207960 | 13.4348 | 27 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 422277 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.475 | 4.481 | (1.040) | 3019 | 0.18966 | 0.38(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.863 | 4.869 | (0.870) | 709146 | 49.1353 | 98 |
| * 80 Naphthalene-d8 | 136 | 5.587 | 5.592 | (1.000) | 1510863 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1144596 | 44.4580 | 89 |
| * 82 Acenaphthene-d10 | 164 | 7.339 | 7.345 | (1.000) | 722718 | 40.0000 | |
| 42 Acenaphthene | 154 | 7.369 | 7.375 | (1.004) | 4773 | 0.25496 | 0.51(a) |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.116 | 8.122 | (1.106) | 105866 | 41.7541 | 84 |
| * 83 Phenanthrene-d10 | 188 | 8.804 | 8.804 | (1.000) | 900860 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.375 | 10.380 | (0.898) | 635268 | 46.0517 | 92 |
| * 81 Chrysene-d12 | 240 | 11.551 | 11.557 | (1.000) | 423237 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 265136 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4096.d
Report Date: 23-Sep-2009 12:39

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z4096.d

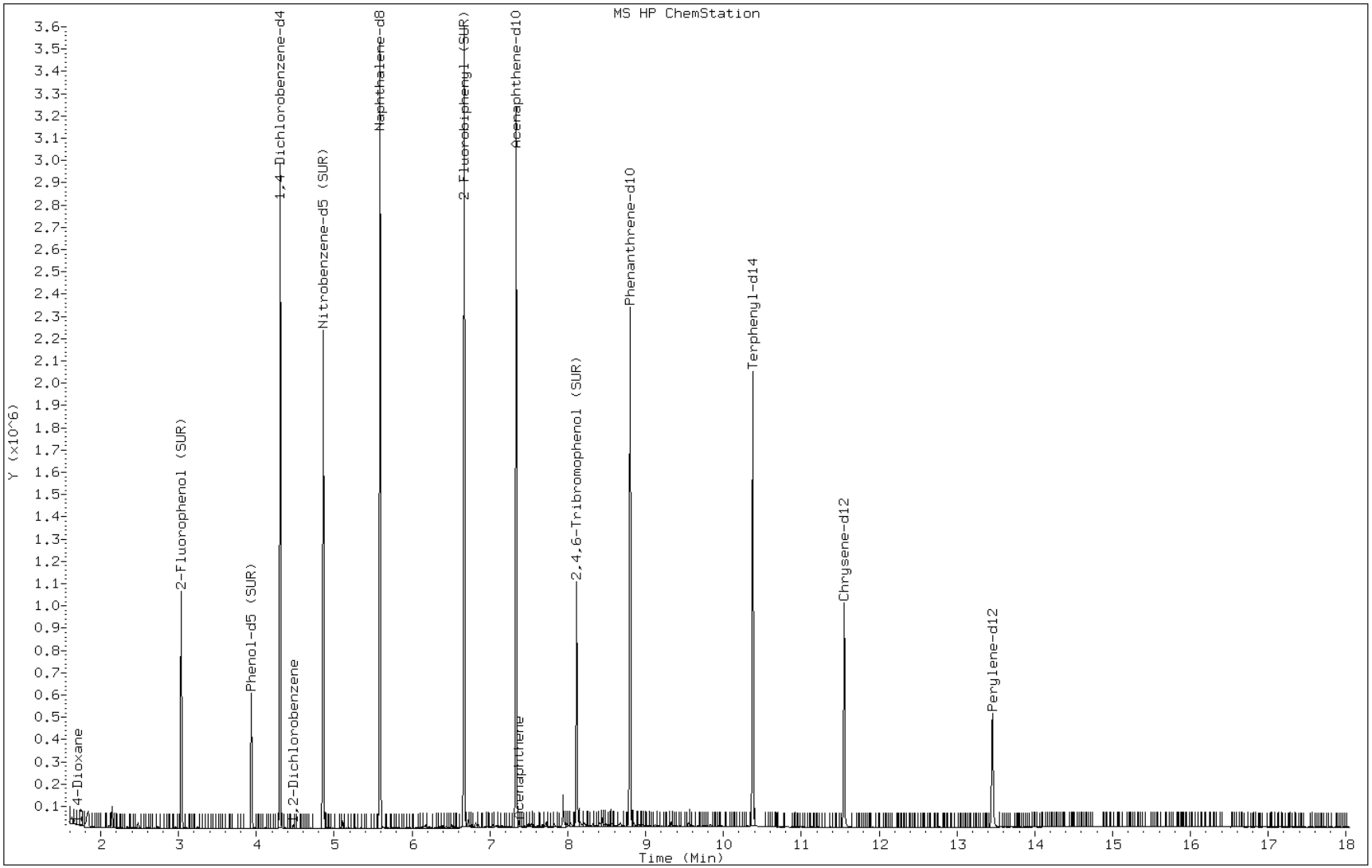
Date: 22-SEP-2009 21:54

Client ID: MW-25S

Instrument: BNAMS11.i

Sample Info: 460-5829-G-2-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-23I | Lab Sample ID: 460-5829-3

Matrix: Water | Lab File ID: z4140.d

Analysis Method: 8270C | Date Collected: 09/17/2009 11:30

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/23/2009 17:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17780 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 91 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 107 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 103 | 38-141 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/23sep09.b/z4140.d
Report Date: 24-Sep-2009 16:31

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/23sep09.b/z4140.d
Lab Smp Id: 460-5829-H-3-A  Client Smp ID: MW-23I
Inj Date  : 23-SEP-2009 17:11
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5829-H-3-A
Misc Info : 460-5829-H-3-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/23sep09.b/8270C_08SP.m
Meth Date : 23-Sep-2009 12:13 monica  Quant Type: ISTD
Cal Date  : 23-SEP-2009 11:36  Cal File: z4127.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.699 | 1.646 | (0.396) | 1806 | 0.27658 | 0.55(a) |
| $ 16 2-Fluorophenol (SUR) | 112 | 3.022 | 3.016 | (0.705) | 418871 | 27.4171 | 55 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.922 | 3.940 | (0.915) | 334973 | 20.9001 | 42 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.287 | 4.293 | (1.000) | 455756 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.457 | 4.463 | (1.040) | 3535 | 0.21147 | 0.42(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.845 | 4.857 | (0.870) | 860723 | 53.6241 | 110 |
| * 80 Naphthalene-d8 | 136 | 5.569 | 5.575 | (1.000) | 1678386 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.657 | 6.663 | (0.909) | 1343891 | 45.6663 | 91 |
| * 82 Acenaphthene-d10 | 164 | 7.322 | 7.328 | (1.000) | 811118 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.098 | 8.104 | (1.106) | 130274 | 50.6428 | 100 |
| * 83 Phenanthrene-d10 | 188 | 8.786 | 8.786 | (1.000) | 1046055 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.363 | 10.363 | (0.898) | 759284 | 51.4601 | 100 |
| * 81 Chrysene-d12 | 240 | 11.533 | 11.539 | (1.000) | 465514 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.433 | 13.433 | (1.000) | 262022 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/23sep09.b/z4140.d
Report Date: 24-Sep-2009 16:31

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z4140.d

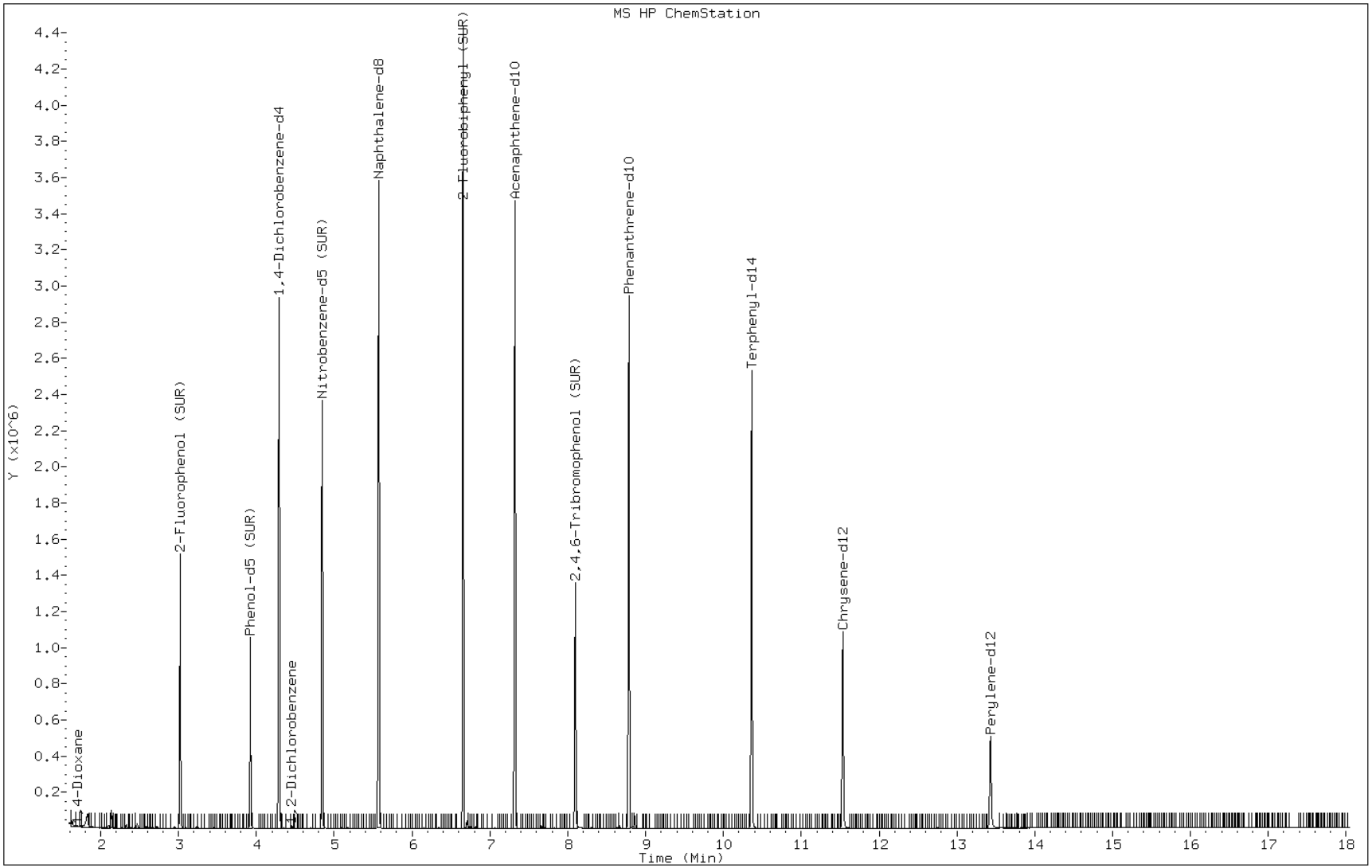
Date: 23-SEP-2009 17:11

Client ID: MW-23I

Instrument: BNAMS11.i

Sample Info: 460-5829-H-3-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-23S | Lab Sample ID: 460-5829-4

Matrix: Water | Lab File ID: x2628.d

Analysis Method: 8270C | Date Collected: 09/17/2009 12:25

Extract. Method: 3510C | Date Extracted: 09/23/2009 09:03

Sample wt/vol: 1000(mL) | Date Analyzed: 09/25/2009 08:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 18193 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 89 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 90 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 92 | 38-141 | |

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2628.d
Report Date: 27-Sep-2009 23:18

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2628.d
Lab Smp Id: 460-5829-G-4-A  Client Smp ID: MW-23S
Inj Date  : 25-SEP-2009 08:30
Operator  : BNAMS 4  Inst ID: BNAMS5.i
Smp Info  : 460-5829-G-4-A
Misc Info : 460-5829-G-4-A
Comment   :
Method    : /chem/BNAMS5.i/8270/09-24-09/25sep09.b/8270C_08SP.m
Meth Date : 25-Sep-2009 12:29 croccom  Quant Type: ISTD
Cal Date  : 25-SEP-2009 03:48  Cal File: x2617.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 2.360 | 2.360 | (0.655) | 647765 | 19.2662 | 38 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.254 | 3.278 | (0.904) | 452437 | 11.5948 | 23 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 3.601 | 3.607 | (1.000) | 986128 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 3.778 | 3.778 | (1.049) | 5249 | 0.13779 | 0.28(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.172 | 4.184 | (0.851) | 1660558 | 45.1009 | 90 |
| * 80 Naphthalene-d8 | 136 | 4.901 | 4.907 | (1.000) | 3384157 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.001 | 6.007 | (0.903) | 2401394 | 44.2888 | 88 |
| * 82 Acenaphthene-d10 | 164 | 6.648 | 6.654 | (1.000) | 1445523 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 7.425 | 7.431 | (1.117) | 193833 | 42.2620 | 84 |
| * 83 Phenanthrene-d10 | 188 | 8.095 | 8.101 | (1.000) | 1546245 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 9.666 | 9.672 | (0.903) | 1074832 | 45.8500 | 92 |
| * 81 Chrysene-d12 | 240 | 10.701 | 10.713 | (1.000) | 847547 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 12.413 | 12.418 | (1.000) | 653226 | 40.0000 | |

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2628.d
Report Date: 27-Sep-2009 23:18

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: x2628.d

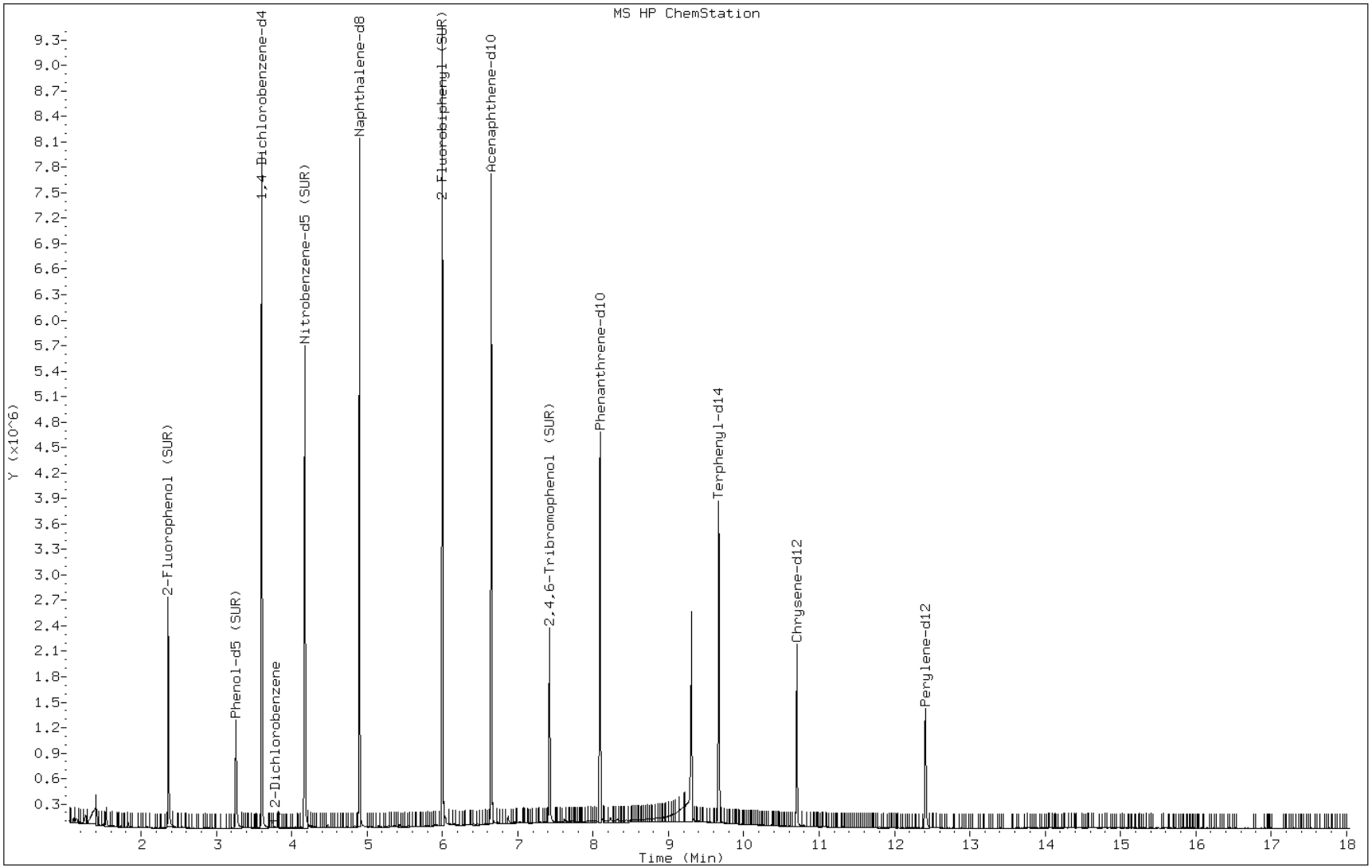
Date: 25-SEP-2009 08:30

Client ID: MW-23S

Instrument: BNAMS5.i

Sample Info: 460-5829-G-4-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-18 | Lab Sample ID: 460-5829-5

Matrix: Water | Lab File ID: z4099.d

Analysis Method: 8270C | Date Collected: 09/17/2009 14:30

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/22/2009 23:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 78 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 97 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 91 | 38-141 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4099.d
Report Date: 23-Sep-2009 12:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4099.d
Lab Smp Id: 460-5829-G-5-A  Client Smp ID: MW-18
Inj Date  : 22-SEP-2009 23:08
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5829-G-5-A
Misc Info : 460-5829-G-5-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom  Quant Type: ISTD
Cal Date  : 22-SEP-2009 15:25  Cal File: z4081.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.687 | 1.651 | (0.392) | 599 | 0.10767 | 0.22(aMH) |
| $ 16 2-Fluorophenol (SUR) | 112 | 3.034 | 3.028 | (0.705) | 425144 | 32.7394 | 65 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.940 | 3.957 | (0.915) | 371925 | 26.4617 | 53(R) |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 383429 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.475 | 4.481 | (1.040) | 2197 | 0.15200 | 0.30(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.863 | 4.869 | (0.870) | 644082 | 48.6639 | 97 |
| * 80 Naphthalene-d8 | 136 | 5.587 | 5.592 | (1.000) | 1385534 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 947612 | 38.8055 | 78(H) |
| * 82 Acenaphthene-d10 | 164 | 7.339 | 7.345 | (1.000) | 685495 | 40.0000 | |
| 45 Diethylphthalate | 149 | 7.769 | 7.780 | (1.058) | 27192 | 1.41861 | 2.8(a) |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.116 | 8.122 | (1.106) | 91786 | 38.1666 | 76 |
| * 83 Phenanthrene-d10 | 188 | 8.798 | 8.804 | (1.000) | 929343 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.374 | 10.380 | (0.898) | 716116 | 45.4204 | 91 |
| * 81 Chrysene-d12 | 240 | 11.551 | 11.557 | (1.000) | 483732 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 275616 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4099.d
Report Date: 23-Sep-2009 12:39

QC Flag Legend

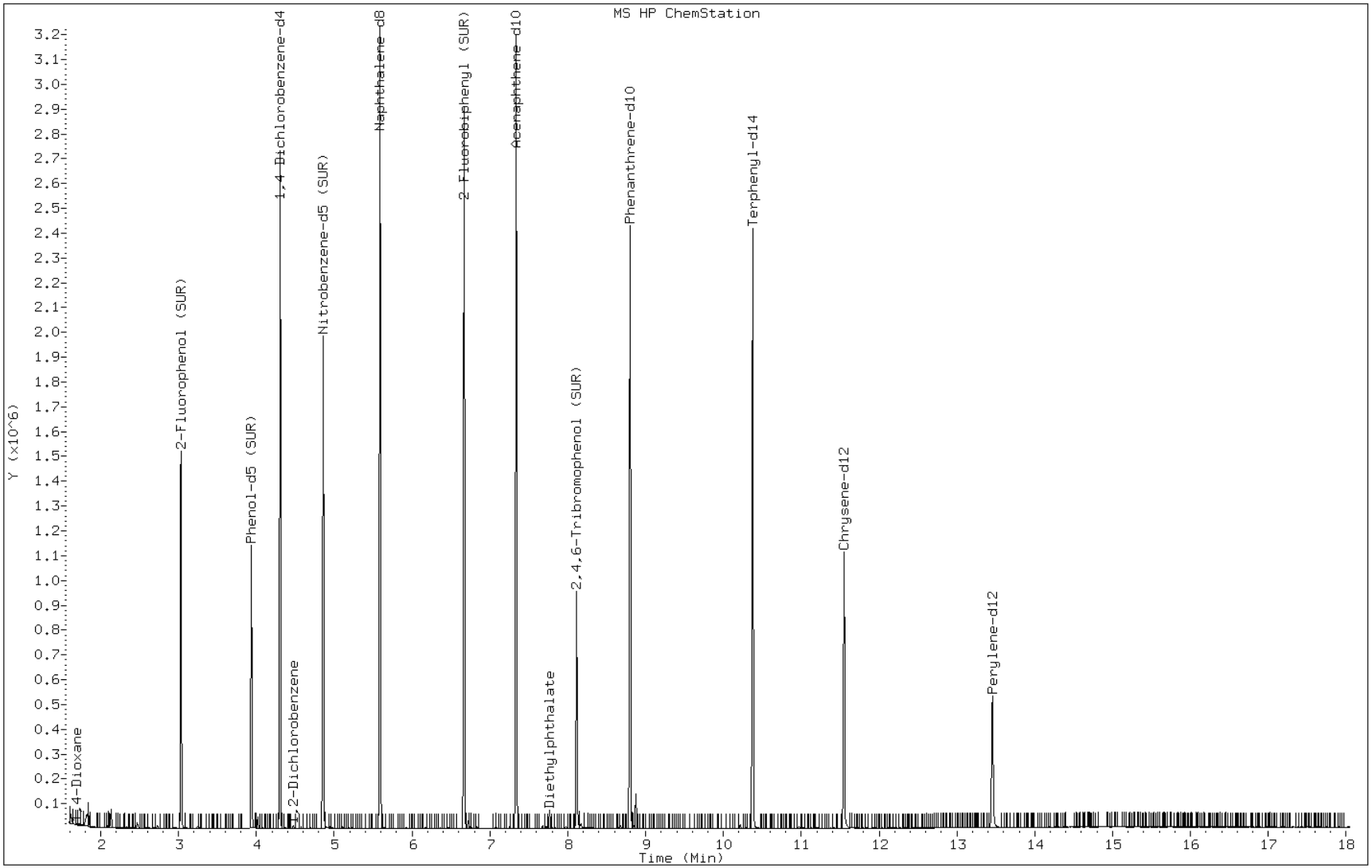
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4099.d

Date: 22-SEP-2009 23:08

Client ID: MW-18 Instrument: BNAMS11.i

Sample Info: 460-5829-G-5-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: PZ-5S | Lab Sample ID: 460-5829-6

Matrix: Water | Lab File ID: z4100.d

Analysis Method: 8270C | Date Collected: 09/17/2009 11:10

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/22/2009 23:32

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 83 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 91 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 92 | 38-141 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4100.d
Report Date: 23-Sep-2009 12:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4100.d
Lab Smp Id: 460-5829-G-6-A  Client Smp ID: PZ-5S
Inj Date  : 22-SEP-2009 23:32
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5829-G-6-A
Misc Info : 460-5829-G-6-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom  Quant Type: ISTD
Cal Date  : 22-SEP-2009 15:25  Cal File: z4081.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.704 | 1.651 | (0.396) | 899 | 0.14100 | 0.28(aH) |
| $ 16 2-Fluorophenol (SUR) | 112 | 3.034 | 3.028 | (0.705) | 272850 | 18.3331 | 37 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.940 | 3.957 | (0.915) | 207291 | 12.8683 | 26 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 439448 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.475 | 4.481 | (1.040) | 2555 | 0.15423 | 0.31(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.863 | 4.869 | (0.870) | 689071 | 45.6612 | 91 |
| * 80 Naphthalene-d8 | 136 | 5.587 | 5.592 | (1.000) | 1579792 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1140085 | 41.2558 | 82 |
| * 82 Acenaphthene-d10 | 164 | 7.339 | 7.345 | (1.000) | 775745 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.116 | 8.122 | (1.106) | 104033 | 38.2264 | 76 |
| * 83 Phenanthrene-d10 | 188 | 8.798 | 8.804 | (1.000) | 1004630 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.374 | 10.380 | (0.898) | 691856 | 45.9788 | 92 |
| * 81 Chrysene-d12 | 240 | 11.551 | 11.557 | (1.000) | 461669 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 267714 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4100.d
Report Date: 23-Sep-2009 12:39

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z4100.d

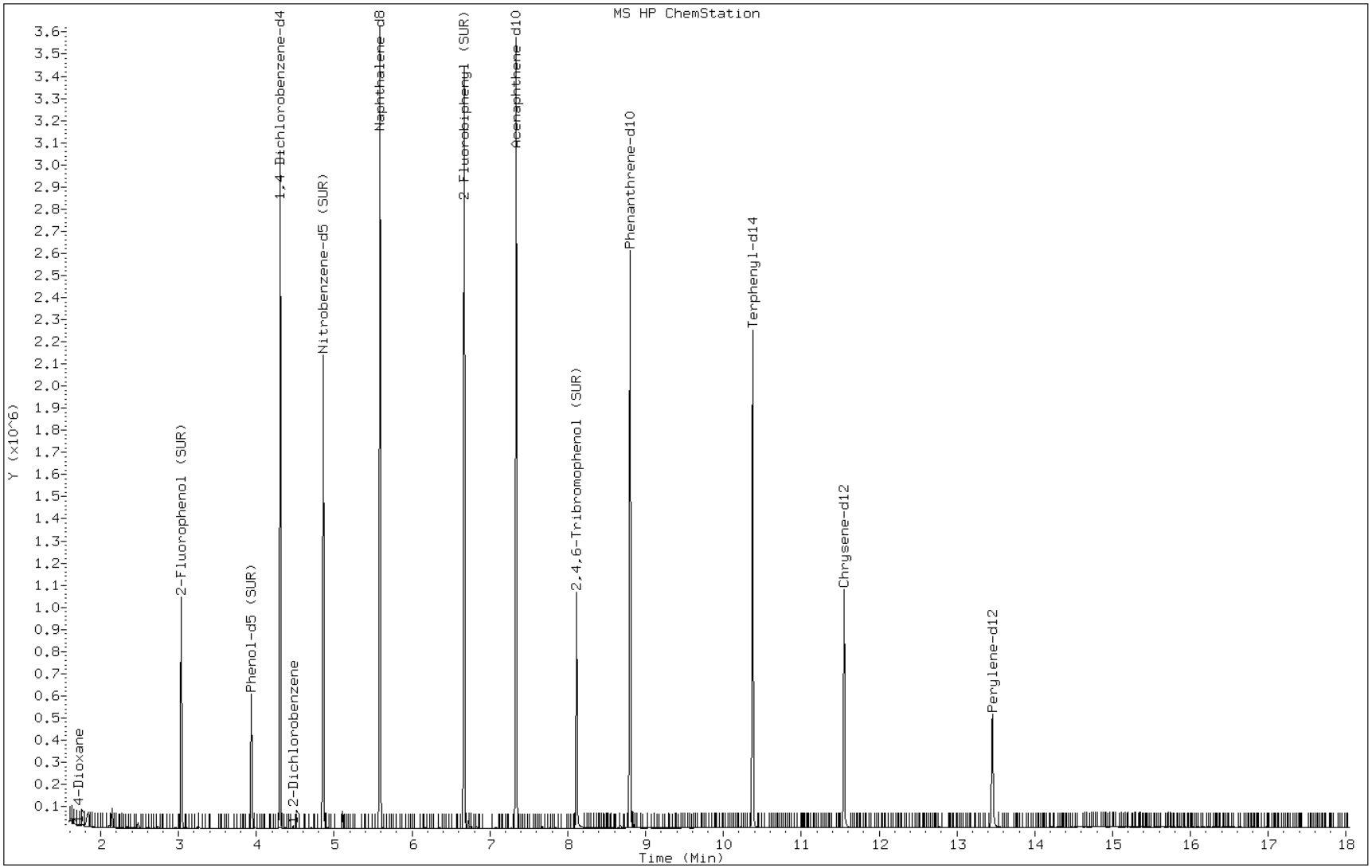
Date: 22-SEP-2009 23:32

Client ID: PZ-5S

Instrument: BNAMS11.i

Sample Info: 460-5829-G-6-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: PZ-5D | Lab Sample ID: 460-5829-7

Matrix: Water | Lab File ID: z4101.d

Analysis Method: 8270C | Date Collected: 09/17/2009 09:50

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/22/2009 23:57

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 94 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 103 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 94 | 38-141 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4101.d
Report Date: 23-Sep-2009 12:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4101.d
Lab Smp Id: 460-5829-G-7-A  Client Smp ID: PZ-5D
Inj Date  : 22-SEP-2009 23:57
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5829-G-7-A
Misc Info : 460-5829-G-7-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom  Quant Type: ISTD
Cal Date  : 22-SEP-2009 15:25  Cal File: z4081.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.681 | 1.651 | (0.390) | 979 | 0.18491 | 0.37(a) |
| $ 16 2-Fluorophenol (SUR) | 112 | 3.034 | 3.028 | (0.705) | 271306 | 21.9532 | 44 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.934 | 3.957 | (0.914) | 192457 | 14.3880 | 29 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 364906 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.475 | 4.481 | (1.040) | 2642 | 0.19207 | 0.38(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.863 | 4.869 | (0.870) | 645906 | 51.6629 | 100 |
| * 80 Naphthalene-d8 | 136 | 5.586 | 5.592 | (1.000) | 1308800 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1069457 | 47.2124 | 94 |
| * 82 Acenaphthene-d10 | 164 | 7.339 | 7.345 | (1.000) | 635878 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.116 | 8.122 | (1.106) | 101152 | 45.3432 | 91 |
| * 83 Phenanthrene-d10 | 188 | 8.798 | 8.804 | (1.000) | 855033 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.374 | 10.380 | (0.898) | 697240 | 47.0095 | 94 |
| * 81 Chrysene-d12 | 240 | 11.551 | 11.557 | (1.000) | 455060 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 270546 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4101.d
Report Date: 23-Sep-2009 12:39

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z4101.d

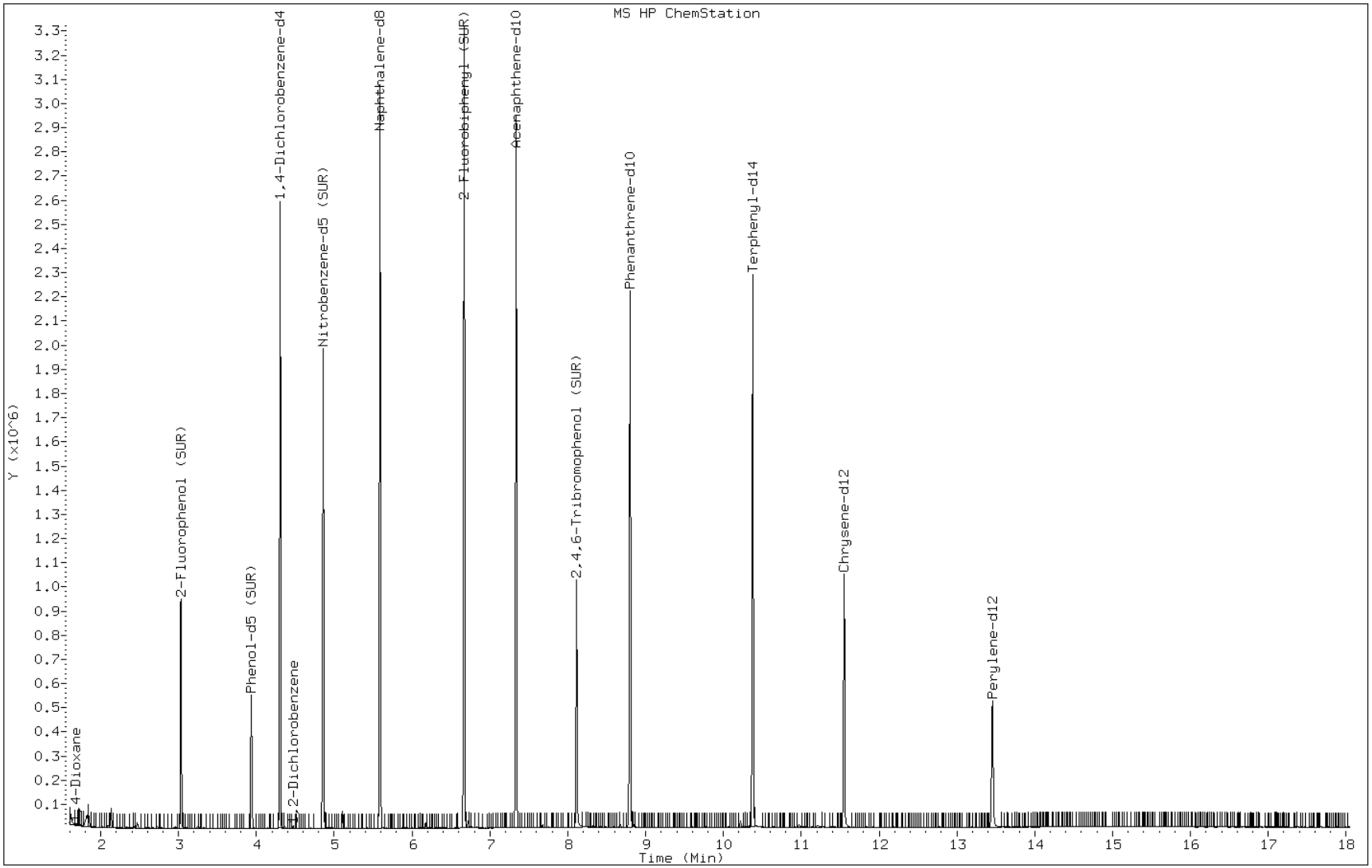
Date: 22-SEP-2009 23:57

Client ID: PZ-5D

Instrument: BNAMS11.i

Sample Info: 460-5829-G-7-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-19 | Lab Sample ID: 460-5829-8

Matrix: Water | Lab File ID: x2720.d

Analysis Method: 8270C | Date Collected: 09/17/2009 13:20

Extract. Method: 3510C | Date Extracted: 09/23/2009 09:12

Sample wt/vol: 1000(mL) | Date Analyzed: 09/29/2009 21:12

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 18382 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 72 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 78 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 74 | 38-141 | |

Data File: /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2720.d
Report Date: 30-Sep-2009 09:59

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2720.d
Lab Smp Id: 460-5829-H-8-A  Client Smp ID: MW-19
Inj Date  : 29-SEP-2009 21:12
Operator  : BNAMS 4  Inst ID: BNAMS5.i
Smp Info  : 460-5829-H-8-A
Misc Info : 460-5829-H-8-A
Comment   :
Method    : /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/8270C_08SP.m
Meth Date : 29-Sep-2009 21:35 wahied  Quant Type: ISTD
Cal Date  : 29-SEP-2009 19:22  Cal File: x2717.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

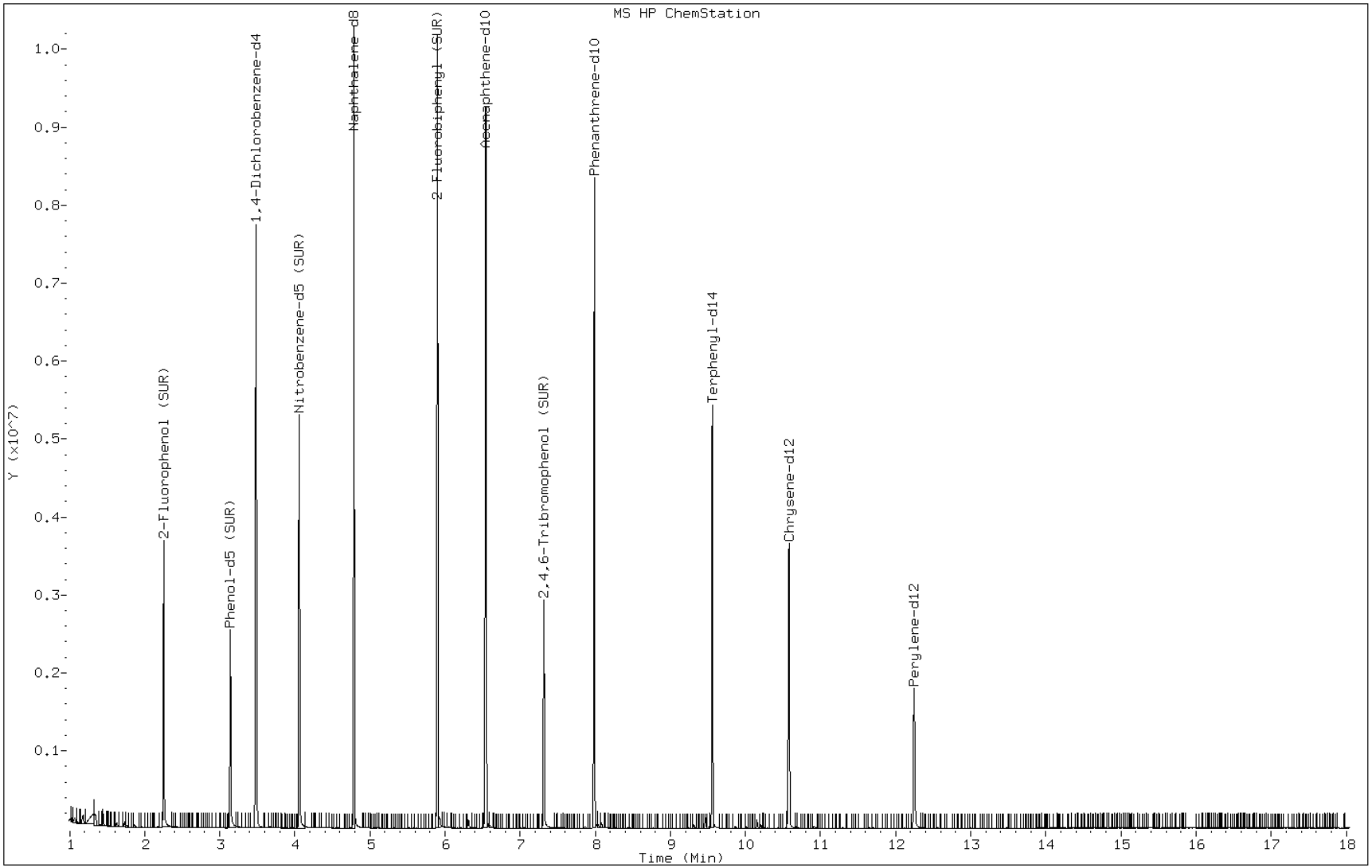
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 2.252 | 2.251 | (0.647) | 836175 | 21.0240 | 42 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.140 | 3.169 | (0.902) | 761583 | 16.7898 | 34 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 3.481 | 3.487 | (1.000) | 1095285 | 40.0000 | |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.057 | 4.075 | (0.848) | 1695433 | 39.1152 | 78 |
| * 80 Naphthalene-d8 | 136 | 4.787 | 4.792 | (1.000) | 4071122 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 5.898 | 5.898 | (0.901) | 2808212 | 35.9983 | 72 |
| * 82 Acenaphthene-d10 | 164 | 6.545 | 6.545 | (1.000) | 2149451 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 7.316 | 7.322 | (1.118) | 276369 | 37.5618 | 75 |
| * 83 Phenanthrene-d10 | 188 | 7.986 | 7.986 | (1.000) | 2693142 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 9.563 | 9.563 | (0.904) | 1606390 | 37.1368 | 74 |
| * 81 Chrysene-d12 | 240 | 10.580 | 10.580 | (1.000) | 1442288 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 12.251 | 12.245 | (1.000) | 891762 | 40.0000 | |

Data File: x2720.d

Date: 29-SEP-2009 21:12

Client ID: MW-19 Instrument: BNAMS5.i

Sample Info: 460-5829-H-8-A Operator: BNAMS 4



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17499/4 | z4012.d |
| Level 2 | IC 460-17499/7 | z4015.d |
| Level 3 | IC 460-17499/6 | z4014.d |
| Level 4 | ICIS 460-17499/2 | z4010.d |
| Level 5 | IC 460-17499/5 | z4013.d |
| Level 6 | IC 460-17499/3 | z4011.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,4-Dioxane | 0<br>0 | 0 | 0 | 0 | 0 | Ave | | | | | | | | 15.0 | | | |
| 2,3,7,8-TCDD | +++++<br>+++++ | +++++ | +++++ | 0.1561 | +++++ | Ave | | 0.1561 | | | | | | 15.0 | | | |
| N-Nitrosodimethylamine | 0.8514<br>0.7997 | 0.8515 | 0.8114 | 0.7967 | 0.8038 | Ave | | 0.8191 | | | | 3.1 | | 15.0 | | | |
| Pyridine | 1.5725<br>1.3870 | 1.5536 | 1.4854 | 1.4321 | 1.3967 | Ave | | 1.4712 | | | | 5.4 | | 15.0 | | | |
| Benzaldehyde | 0.7254<br>0.3074 | 0.8355 | 0.7965 | 0.7870 | 0.4830 | Ave | | 0.6558 | | | | 32.4 | * | 15.0 | | | |
| Phenol | 1.8440<br>1.4600 | 1.6876 | 1.7263 | 1.6095 | 1.5312 | Ave | | 1.6431 | | | | 8.5 | | 30.0 | | | |
| Aniline | 2.1295<br>1.5836 | 2.1835 | 2.1035 | 1.9428 | 1.7643 | Ave | | 1.9512 | | | | 12.1 | | 15.0 | | | |
| Bis(2-chloroethyl)ether | 1.4560<br>1.4319 | 1.4459 | 1.3952 | 1.3133 | 1.3311 | Ave | | 1.3956 | | | | 4.3 | | 15.0 | | | |
| 2-Chlorophenol | 1.5377<br>1.2952 | 1.4829 | 1.4877 | 1.3703 | 1.3469 | Ave | | 1.4201 | | | | 6.7 | | 15.0 | | | |
| n-Decane | 1.3917<br>1.0196 | 1.3767 | 1.3296 | 1.1754 | 1.0395 | Ave | | 1.2221 | | | | 13.7 | | 15.0 | | | |
| 1,3-Dichlorobenzene | 1.8063<br>1.5530 | 1.7659 | 1.7114 | 1.6498 | 1.5922 | Ave | | 1.6798 | | | | 5.9 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.8120<br>1.5426 | 1.7583 | 1.7086 | 1.6601 | 1.5835 | Ave | | 1.6775 | | | | 6.1 | | 30.0 | | | |
| Benzyl alcohol | 0.8449<br>0.7781 | 0.8830 | 0.8229 | 0.7978 | 0.8078 | Ave | | 0.8224 | | | | 4.5 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.7282<br>1.4092 | 1.6536 | 1.6045 | 1.5287 | 1.4601 | Ave | | 1.5641 | | | | 7.7 | | 15.0 | | | |
| 2-Methylphenol | 1.3100<br>1.0244 | 1.2039 | 1.2041 | 1.0748 | 1.0652 | Ave | | 1.1471 | | | | 9.6 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,2'-oxybis[1-chloropropane] | 1.7255<br>1.1305 | 1.6820 | 1.5749 | 1.3921 | 1.2167 | QuaF | | 0.5740 | 0.0931 | | | | | | 0.9994 | | 0.9900 |
| Acetophenone | 2.0229<br>1.4538 | 1.8745 | 1.8001 | 1.5558 | 1.4949 | Ave | | 1.7003 | | | | 13.6 | | 15.0 | | | |
| 3 & 4 Methylphenol | 1.4850<br>0.9857 | 1.3344 | 1.2767 | 1.1283 | 1.0257 | LinF | | 1.0219 | | | | | | | 0.9918 | | 0.9900 |
| 4-Methylphenol | 1.4827<br>0.9857 | 1.3344 | 1.2767 | 1.1283 | 1.0257 | LinF | | 1.0219 | | | | | | | 0.9918 | | 0.9900 |
| N-Nitrosodi-n-propylamine | 0.9705<br>0.7612 | 0.9215 | 0.8588 | 0.7636 | 0.7681 | Ave | | 0.8406 | | | 0.0500 | 10.8 | | 15.0 | | | |
| Hexachloroethane | 0.6702<br>0.5817 | 0.7038 | 0.6715 | 0.6469 | 0.6098 | Ave | | 0.6473 | | | | 6.9 | | 15.0 | | | |
| Nitrobenzene | 0.6243<br>0.4330 | 0.5815 | 0.5531 | 0.5095 | 0.4699 | Ave | | 0.5286 | | | | 13.5 | | 15.0 | | | |
| n,n'-Dimethylaniline | 2.6329<br>1.7810 | 2.2497 | 2.1368 | 1.9529 | 1.8657 | Ave | | 2.1031 | | | | 14.8 | | 15.0 | | | |
| Isophorone | 0.6861<br>0.6202 | 0.6910 | 0.6673 | 0.6363 | 0.6351 | Ave | | 0.6560 | | | | 4.5 | | 15.0 | | | |
| 2-Nitrophenol | 0.2014<br>0.1943 | 0.1975 | 0.2067 | 0.1991 | 0.1976 | Ave | | 0.1994 | | | | 2.1 | | 30.0 | | | |
| 2,4-Dimethylphenol | 0.3371<br>0.2821 | 0.3185 | 0.3196 | 0.2962 | 0.2957 | Ave | | 0.3082 | | | | 6.6 | | 15.0 | | | |
| Bis(2-chloroethoxy)methane | 0.4246<br>0.3725 | 0.4204 | 0.4049 | 0.3901 | 0.3777 | Ave | | 0.3984 | | | | 5.5 | | 15.0 | | | |
| Benzoic acid | 0.0877<br>0.1437 | 0.1271 | 0.1470 | 0.1100 | 0.1063 | Ave | | 0.1203 | | | | 19.2 | * | 15.0 | | | |
| 2,4-Dichlorophenol | 0.2910<br>0.2573 | 0.2805 | 0.2872 | 0.2647 | 0.2615 | Ave | | 0.2737 | | | | 5.2 | | 30.0 | | | |
| 1,2,4-Trichlorobenzene | 0.3768<br>0.3182 | 0.3638 | 0.3437 | 0.3347 | 0.3204 | Ave | | 0.3430 | | | | 6.9 | | 15.0 | | | |
| Naphthalene | 1.1563<br>0.9784 | 1.1746 | 1.1008 | 1.0620 | 1.0057 | Ave | | 1.0796 | | | | 7.3 | | 15.0 | | | |
| 4-Chloroaniline | 0.4307<br>0.3503 | 0.4547 | 0.4220 | 0.3948 | 0.3751 | Ave | | 0.4046 | | | | 9.5 | | 15.0 | | | |
| Hexachlorobutadiene | 0.2229<br>0.1874 | 0.2136 | 0.2068 | 0.1996 | 0.1917 | Ave | | 0.2037 | | | | 6.6 | | 30.0 | | | |
| Caprolactam | 0.0766<br>0.0696 | 0.0819 | 0.0821 | 0.0813 | 0.0801 | Ave | | 0.0786 | | | | 6.2 | | 15.0 | | | |
| 4-Chloro-3-methylphenol | 0.2913<br>0.2476 | 0.2875 | 0.2840 | 0.2694 | 0.2706 | Ave | | 0.2751 | | | | 5.9 | | 30.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Methylnaphthalene | 0.7203<br>0.5877 | 0.6926 | 0.6684 | 0.6263 | 0.6094 | Ave | | 0.6508 | | | | 7.9 | | 15.0 | | | |
| 1-Methylnaphthalene | 0.6931<br>0.5823 | 0.6871 | 0.6570 | 0.5980 | 0.5855 | Ave | | 0.6338 | | | | 8.1 | | 15.0 | | | |
| Hexachlorocyclopentadiene | 0.3598<br>0.4425 | 0.3754 | 0.3993 | 0.4314 | 0.4199 | Ave | | 0.4047 | | | 0.0500 | 8.0 | | 15.0 | | | |
| 2-tertbutyl-4-methylphenol | 0.4611<br>0.3828 | 0.4693 | 0.4507 | 0.4044 | 0.3974 | Ave | | 0.4276 | | | | 8.7 | | 15.0 | | | |
| 2,4,6-Trichlorophenol | 0.3868<br>0.3996 | 0.3695 | 0.3776 | 0.3706 | 0.3701 | Ave | | 0.3790 | | | | 3.2 | | 30.0 | | | |
| 2,4,5-Trichlorophenol | 0.3978<br>0.3549 | 0.3800 | 0.3914 | 0.3676 | 0.3579 | Ave | | 0.3749 | | | | 4.7 | | 15.0 | | | |
| 1,1'-Biphenyl | 1.6901<br>1.4845 | 1.6533 | 1.6257 | 1.5542 | 1.4878 | Ave | | 1.5826 | | | | 5.5 | | 15.0 | | | |
| 2-Chloronaphthalene | 1.3421<br>1.1948 | 1.3345 | 1.2895 | 1.2363 | 1.1835 | Ave | | 1.2634 | | | | 5.5 | | 15.0 | | | |
| Phenyl ether | 0.9114<br>0.8375 | 0.9111 | 0.8798 | 0.8532 | 0.8270 | Ave | | 0.8700 | | | | 4.2 | | 15.0 | | | |
| 2-Nitroaniline | 0.4020<br>0.3190 | 0.4489 | 0.4388 | 0.4219 | 0.3377 | Ave | | 0.3947 | | | | 13.7 | | 15.0 | | | |
| 1,3-Dimethylnaphthalene | 1.0507<br>0.9609 | 1.0536 | 1.0446 | 0.9865 | 0.9501 | Ave | | 1.0077 | | | | 4.7 | | 15.0 | | | |
| Dimethyl phthalate | 1.3344<br>1.1394 | 1.3179 | 1.2518 | 1.2187 | 1.1608 | Ave | | 1.2371 | | | | 6.5 | | 15.0 | | | |
| Coumarin | 0.4196<br>0.3535 | 0.4218 | 0.4011 | 0.3849 | 0.3558 | Ave | | 0.3895 | | | | 7.7 | | 15.0 | | | |
| 2,6-Dinitrotoluene | 0.2704<br>0.2659 | 0.2811 | 0.2827 | 0.2799 | 0.2726 | Ave | | 0.2754 | | | | 2.5 | | 15.0 | | | |
| Acenaphthylene | 2.0293<br>1.7642 | 2.0299 | 1.9392 | 1.9032 | 1.8011 | Ave | | 1.9111 | | | | 5.9 | | 15.0 | | | |
| 3-Nitroaniline | 0.2999<br>0.2482 | 0.2979 | 0.2902 | 0.2803 | 0.2572 | Ave | | 0.2790 | | | | 7.8 | | 15.0 | | | |
| 3,5-di-tert-butyl-4-hydroxytol | 1.0868<br>0.9742 | 1.0775 | 1.0696 | 0.9830 | 0.9678 | Ave | | 1.0265 | | | | 5.5 | | 15.0 | | | |
| Acenaphthene | 1.2147<br>1.0143 | 1.1847 | 1.1198 | 1.0751 | 1.0264 | Ave | | 1.1058 | | | | 7.4 | | 30.0 | | | |
| 2,4-Dinitrophenol | 0.0775<br>0.1324 | 0.0887 | 0.0990 | 0.1164 | 0.1257 | QuaF | | 9.5991 | -5.345 | | 0.0500 | | | | 0.9970 | | 0.9900 |
| 4-Nitrophenol | 0.1776<br>0.1638 | 0.1720 | 0.1758 | 0.1816 | 0.1707 | Ave | | 0.1736 | | | 0.0500 | 3.6 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,4-Dinitrotoluene | 0.3309<br>0.2950 | 0.3389 | 0.3457 | 0.3319 | 0.3102 | Ave | | 0.3254 | | | | 5.9 | | 15.0 | | | |
| Dibenzofuran | 1.7149<br>1.4546 | 1.7071 | 1.6444 | 1.5377 | 1.4639 | Ave | | 1.5871 | | | | 7.4 | | 15.0 | | | |
| Diethyl phthalate | 1.2155<br>1.0519 | 1.2076 | 1.1814 | 1.1624 | 1.0904 | Ave | | 1.1515 | | | | 5.7 | | 15.0 | | | |
| 4-Chlorophenyl phenyl ether | 0.6376<br>0.5464 | 0.6177 | 0.5846 | 0.5638 | 0.5500 | Ave | | 0.5834 | | | | 6.4 | | 15.0 | | | |
| Fluorene | 1.3122<br>1.0779 | 1.2731 | 1.2379 | 1.1762 | 1.1170 | Ave | | 1.1991 | | | | 7.6 | | 15.0 | | | |
| 4-Nitroaniline | 0.2615<br>0.1975 | 0.2646 | 0.2577 | 0.2408 | 0.2084 | Ave | | 0.2384 | | | | 12.1 | | 15.0 | | | |
| 4,6-Dinitro-2-methylphenol | 0.0919<br>0.1297 | 0.1006 | 0.1094 | 0.1188 | 0.1256 | Ave | | 0.1127 | | | | 13.1 | | 15.0 | | | |
| N-Nitrosodiphenylamine | 0.6361<br>0.7081 | 0.6405 | 0.6071 | 0.5933 | 0.5972 | Ave | | 0.6304 | | | | 6.8 | | 30.0 | | | |
| 1,2-Diphenylhydrazine | 1.1626<br>1.0901 | 1.1941 | 1.1462 | 1.1041 | 1.1186 | Ave | | 1.1360 | | | | 3.4 | | 15.0 | | | |
| 4-Bromophenyl phenyl ether | 0.2654<br>0.2744 | 0.2654 | 0.2580 | 0.2624 | 0.2678 | Ave | | 0.2656 | | | | 2.1 | | 15.0 | | | |
| Hexachlorobenzene | 0.2602<br>0.2624 | 0.2621 | 0.2494 | 0.2494 | 0.2560 | Ave | | 0.2566 | | | | 2.3 | | 15.0 | | | |
| Atrazine | 0.2065<br>0.1552 | 0.2000 | 0.1934 | 0.1887 | 0.1720 | Ave | | 0.1860 | | | | 10.3 | | 15.0 | | | |
| Pentachlorophenol | 0.0953<br>0.1273 | 0.1006 | 0.1054 | 0.1166 | 0.1246 | Ave | | 0.1116 | | | | 11.8 | | 30.0 | | | |
| n-Octadecane | 0.6087<br>0.5715 | 0.6427 | 0.6293 | 0.5729 | 0.5700 | Ave | | 0.5992 | | | | 5.4 | | 15.0 | | | |
| Phenanthrene | 1.2117<br>1.0883 | 1.2107 | 1.1658 | 1.1430 | 1.1022 | Ave | | 1.1536 | | | | 4.6 | | 15.0 | | | |
| Anthracene | 1.2222<br>1.0894 | 1.2203 | 1.1931 | 1.1570 | 1.1218 | Ave | | 1.1673 | | | | 4.7 | | 15.0 | | | |
| Carbazole | 0.9708<br>0.7962 | 0.9548 | 0.9318 | 0.8834 | 0.8317 | Ave | | 0.8948 | | | | 7.8 | | 15.0 | | | |
| Di-n-butyl phthalate | 1.1644<br>1.1031 | 1.1970 | 1.2054 | 1.1829 | 1.1357 | Ave | | 1.1648 | | | | 3.4 | | 15.0 | | | |
| Fluoranthene | 0.9503<br>0.8287 | 0.9145 | 0.9444 | 0.8977 | 0.8552 | Ave | | 0.8985 | | | | 5.4 | | 30.0 | | | |
| Benzidine | 0.0872<br>+++++ | 0.2411 | 0.1994 | 0.1146 | 0.0416 | Ave | | 0.1368 | | | | 59.9 | * | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Pyrene | 1.8631<br>1.7015 | 1.9170 | 1.8731 | 1.7596 | 1.6851 | Ave | | 1.7999 | | | | 5.4 | | 15.0 | | | |
| Butyl benzyl phthalate | 0.5974<br>0.6800 | 0.6508 | 0.6807 | 0.6691 | 0.6797 | Ave | | 0.6596 | | | | 4.9 | | 15.0 | | | |
| 3,3'-Dichlorobenzidine | 0.2921<br>0.2613 | 0.3129 | 0.3051 | 0.3061 | 0.2692 | Ave | | 0.2911 | | | | 7.3 | | 15.0 | | | |
| Benzo[a]anthracene | 1.2667<br>1.1057 | 1.1099 | 1.1064 | 1.1053 | 1.0986 | Ave | | 1.1321 | | | | 5.8 | | 15.0 | | | |
| Bis(2-ethylhexyl) phthalate | 0.7848<br>0.8805 | 0.8204 | 0.8536 | 0.8553 | 0.8709 | Ave | | 0.8443 | | | | 4.2 | | 15.0 | | | |
| Chrysene | 1.1090<br>1.0279 | 1.1116 | 1.0542 | 1.0342 | 1.0270 | Ave | | 1.0607 | | | | 3.7 | | 15.0 | | | |
| Di-n-octyl phthalate | 1.2897<br>1.8462 | 1.4167 | 1.6228 | 1.7133 | 1.7575 | Ave | | 1.6077 | | | | 13.3 | | 30.0 | | | |
| Benzo[b]fluoranthene | 0.9747<br>1.2528 | 1.1416 | 1.1706 | 1.1735 | 1.1674 | Ave | | 1.1468 | | | | 8.0 | | 15.0 | | | |
| Benzo[k]fluoranthene | 0.9651<br>1.2563 | 1.2602 | 1.3442 | 1.3187 | 1.3057 | Ave | | 1.2417 | | | | 11.3 | | 15.0 | | | |
| Benzo[a]pyrene | 0.7637<br>1.0506 | 0.9345 | 0.9711 | 1.0261 | 1.0327 | Ave | | 0.9631 | | | | 11.1 | | 30.0 | | | |
| Indeno[1,2,3-cd]pyrene | 0.8610<br>0.9925 | 0.7533 | 0.8531 | 0.8776 | 0.9587 | Ave | | 0.8827 | | | | 9.6 | | 15.0 | | | |
| Dibenz(a,h)anthracene | 0.7046<br>0.9950 | 0.7936 | 0.8315 | 0.9204 | 0.9340 | Ave | | 0.8632 | | | | 12.3 | | 15.0 | | | |
| Benzo[g,h,i]perylene | 0.7776<br>1.0029 | 0.8485 | 0.8750 | 0.9263 | 0.9385 | Ave | | 0.8948 | | | | 8.8 | | 15.0 | | | |
| 2-Fluorophenol | 1.4959<br>1.2291 | 1.5128 | 1.4017 | 1.3139 | 1.2694 | Ave | | 1.3704 | | | | 8.7 | | 15.0 | | | |
| Phenol-d5 | 1.6553<br>1.2984 | 1.6403 | 1.5159 | 1.3994 | 1.3801 | Ave | | 1.4816 | | | | 9.9 | | 15.0 | | | |
| Nitrobenzene-d5 | 0.3886<br>0.3509 | 0.3976 | 0.4005 | 0.3743 | 0.3632 | Ave | | 0.3792 | | | | 5.2 | | 15.0 | | | |
| 2-Fluorobiphenyl | 1.4859<br>1.3730 | 1.4461 | 1.4659 | 1.3578 | 1.3234 | Ave | | 1.4087 | | | | 4.7 | | 15.0 | | | |
| 2,4,6-Tribromophenol | 0.1420<br>0.1322 | 0.1422 | 0.1342 | 0.1399 | 0.1334 | Ave | | 0.1373 | | | | 3.3 | | 15.0 | | | |
| Terphenyl-d14 | 1.1759<br>1.1249 | 1.1823 | 1.2246 | 1.1064 | 1.0899 | Ave | | 1.1507 | | | | 4.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17499/4 | z4012.d |
| Level 2 | IC 460-17499/7 | z4015.d |
| Level 3 | IC 460-17499/6 | z4014.d |
| Level 4 | ICIS 460-17499/2 | z4010.d |
| Level 5 | IC 460-17499/5 | z4013.d |
| Level 6 | IC 460-17499/3 | z4011.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,4-Dioxane | DCB | Ave | 0<br>0 | 0 | 0 | 0 | 0 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,3,7,8-TCDD | CRY | Ave | +++++<br>+++++ | +++++ | +++++ | 580 | +++++ | +++++<br>+++++ | +++++ | +++++ | 0.500 | +++++ |
| N-Nitrosodimethylamine | DCB | Ave | 37652<br>850300 | 73140 | 118921 | 304342 | 546145 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pyridine | DCB | Ave | 69544<br>1474697 | 133439 | 217697 | 547033 | 948960 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzaldehyde | DCB | Ave | 32083<br>326869 | 71765 | 116727 | 300624 | 328188 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol | DCB | Ave | 81553<br>1552264 | 144955 | 252999 | 614817 | 1040377 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Aniline | DCB | Ave | 94178<br>1683673 | 187550 | 308283 | 742133 | 1198721 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethyl)ether | DCB | Ave | 6439<br>1522396 | 124194 | 204476 | 501676 | 904415 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chlorophenol | DCB | Ave | 68005<br>1377094 | 127366 | 218026 | 523457 | 915115 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n-Decane | DCB | Ave | 61548<br>1084032 | 118248 | 194859 | 448974 | 706245 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dichlorobenzene | DCB | Ave | 79882<br>1651179 | 151676 | 250818 | 630193 | 1081836 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 80134<br>1640069 | 151025 | 250403 | 634123 | 1075906 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzyl alcohol | DCB | Ave | 37367<br>827317 | 75846 | 120603 | 304765 | 548858 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 76430<br>1498258 | 142036 | 235149 | 583958 | 992064 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylphenol | DCB | Ave | 57933<br>1089151 | 103410 | 176472 | 410554 | 723736 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,2'-oxybis[1-chloropropane] | DCB | QuaF | 76310<br>1201919 | 144471 | 230806 | 531764 | 826670 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Acetophenone | DCB | Ave | 89465<br>1545669 | 161005 | 263818 | 594285 | 1015692 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3 & 4 Methylphenol | DCB | LinF | 65674<br>1048053 | 114617 | 187111 | 431017 | 696890 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Methylphenol | DCB | LinF | 65573<br>1048053 | 114617 | 187111 | 431017 | 696890 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| N-Nitrosodi-n-propylamine | DCB | Ave | 4292<br>809352 | 79149 | 125855 | 291683 | 521846 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachloroethane | DCB | Ave | 2964<br>618458 | 60450 | 98410 | 247123 | 414316 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene | NPT | Ave | 10179<br>1621580 | 179691 | 289954 | 670204 | 1130187 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n,n'-Dimethylaniline | DCB | Ave | 11644<br>1893597 | 193230 | 313152 | 745986 | 1267606 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Isophorone | NPT | Ave | 111863<br>2322542 | 213538 | 349801 | 836854 | 1527490 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitrophenol | NPT | Ave | 32833<br>727622 | 61025 | 108343 | 261836 | 475308 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dimethylphenol | NPT | Ave | 54968<br>1056241 | 98427 | 167543 | 389551 | 711303 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethoxy)methane | NPT | Ave | 69228<br>1395139 | 129907 | 212265 | 513066 | 908378 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzoic acid | NPT | Ave | 14297<br>538126 | 39266 | 77050 | 144716 | 255656 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dichlorophenol | NPT | Ave | 47438<br>963622 | 86671 | 150573 | 348184 | 629036 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2,4-Trichlorobenzene | NPT | Ave | 6144<br>1191796 | 112442 | 180194 | 440248 | 770590 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Naphthalene | NPT | Ave | 188531<br>3664161 | 363002 | 577069 | 1396772 | 2418938 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloroaniline | NPT | Ave | 70216<br>1311708 | 140520 | 221200 | 519320 | 902218 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobutadiene | NPT | Ave | 7270<br>701717 | 66023 | 108420 | 262468 | 461034 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Caprolactam | NPT | Ave | 12491<br>260460 | 25298 | 43052 | 106884 | 192605 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloro-3-methylphenol | NPT | Ave | 47490<br>927273 | 88837 | 148876 | 354332 | 650810 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylnaphthalene | NPT | Ave | 117443<br>2200886 | 214029 | 350367 | 823758 | 1465874 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1-Methylnaphthalene | NPT | Ave | 113011<br>2180677 | 212351 | 344397 | 786530 | 1408330 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Hexachlorocyclopentadiene | ANT | Ave | 27978<br>731087 | 55753 | 99098 | 261366 | 468211 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-tertbutyl-4-methylphenol | NPT | Ave | 75186<br>1433683 | 145042 | 236269 | 531968 | 955907 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Trichlorophenol | ANT | Ave | 30074<br>660209 | 54868 | 93701 | 224506 | 412655 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,5-Trichlorophenol | ANT | Ave | 30928<br>586445 | 56431 | 97145 | 222696 | 399068 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,1'-Biphenyl | ANT | Ave | 131403<br>2452845 | 245508 | 403470 | 941523 | 1658915 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chloronaphthalene | ANT | Ave | 104352<br>1974226 | 198167 | 320012 | 748945 | 1319610 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenyl ether | ANT | Ave | 70858<br>1383756 | 135294 | 218358 | 516847 | 922091 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitroaniline | ANT | Ave | 62516<br>527018 | 66657 | 108902 | 255560 | 376556 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dimethylnaphthalene | ANT | Ave | 81694<br>1587692 | 156449 | 259240 | 597607 | 1059390 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dimethyl phthalate | ANT | Ave | 103749<br>1882636 | 195700 | 310663 | 738270 | 1294306 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Coumarin | ANT | Ave | 32627<br>584123 | 62641 | 99541 | 233186 | 396764 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,6-Dinitrotoluene | ANT | Ave | 4205<br>439294 | 41745 | 70155 | 169562 | 303961 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthylene | ANT | Ave | 157776<br>2914889 | 301427 | 481273 | 1152965 | 2008252 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3-Nitroaniline | ANT | Ave | 46637<br>410099 | 44234 | 72023 | 169837 | 286762 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,5-di-tert-butyl-4-hydroxytol | ANT | Ave | 84500<br>1609603 | 160010 | 265457 | 595494 | 1079099 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthene | ANT | Ave | 94442<br>1675881 | 175927 | 277900 | 651285 | 1144433 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dinitrophenol | ANT | QuaF | 18081<br>218711 | 26335 | 36838 | 70531 | 140182 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 4-Nitrophenol | ANT | Ave | 41434<br>270689 | 51097 | 65458 | 110040 | 190379 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 2,4-Dinitrotoluene | ANT | Ave | 5146<br>487361 | 50319 | 85789 | 201052 | 345847 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenzofuran | ANT | Ave | 133333<br>2403485 | 253500 | 408096 | 931533 | 1632324 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Diethyl phthalate | ANT | Ave | 94504<br>1738006 | 179325 | 293202 | 704164 | 1215774 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 4-Chlorophenyl phenyl ether | ANT | Ave | 49575<br>902872 | 91729 | 145086 | 341529 | 613287 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluorene | ANT | Ave | 102027<br>1780962 | 189054 | 307220 | 712561 | 1245455 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Nitroaniline | ANT | Ave | 40667<br>326364 | 39288 | 63960 | 145853 | 232402 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4,6-Dinitro-2-methylphenol | PHN | Ave | 26743<br>237896 | 36708 | 50497 | 87969 | 159949 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| N-Nitrosodiphenylamine | PHN | Ave | 61735<br>1298806 | 116830 | 186839 | 439435 | 760326 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Diphenylhydrazine | PHN | Ave | 112823<br>1999592 | 217804 | 352771 | 817822 | 1424226 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Bromophenyl phenyl ether | PHN | Ave | 25755<br>503414 | 48400 | 79392 | 194357 | 340944 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobenzene | PHN | Ave | 2525<br>481290 | 47805 | 76751 | 184722 | 325935 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Atrazine | PHN | Ave | 20040<br>284700 | 36481 | 59524 | 139794 | 218972 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pentachlorophenol | PHN | Ave | 27733<br>233590 | 36697 | 48638 | 86342 | 158623 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| n-Octadecane | PHN | Ave | 59069<br>1048327 | 117218 | 193665 | 424331 | 725711 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenanthrene | PHN | Ave | 117592<br>1996374 | 220825 | 358788 | 846603 | 1403274 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Anthracene | PHN | Ave | 118608<br>1998241 | 222571 | 367189 | 857033 | 1428255 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Carbazole | PHN | Ave | 94215<br>1460421 | 174154 | 286783 | 654328 | 1058881 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-butyl phthalate | PHN | Ave | 113002<br>2023426 | 218323 | 370982 | 876180 | 1445957 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluoranthene | PHN | Ave | 92223<br>1520091 | 166807 | 290652 | 664936 | 1088818 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzidine | PHN | Ave | 8462<br>+++++ | 87961 | 92056 | 84908 | 52976 | 5.00<br>+++++ | 20.0 | 30.0 | 50.0 | 80.0 |
| Pyrene | CRY | Ave | 91826<br>1440086 | 166792 | 288537 | 653867 | 1052652 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Butyl benzyl phthalate | CRY | Ave | 29442<br>575535 | 56621 | 104852 | 248654 | 424579 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,3'-Dichlorobenzidine | CRY | Ave | 28797<br>221150 | 54454 | 70496 | 113762 | 168157 | 10.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| Benzo[a]anthracene | CRY | Ave | 6243<br>935829 | 96567 | 170433 | 410727 | 686318 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Bis(2-ethylhexyl) phthalate | CRY | Ave | 38681<br>745248 | 71375 | 131488 | 317835 | 544062 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Chrysene | CRY | Ave | 54659<br>869967 | 96715 | 162388 | 384312 | 641593 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-octyl phthalate | PRY | Ave | 37779<br>1050631 | 76187 | 151266 | 421761 | 750884 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[b]fluoranthene | PRY | Ave | 2855<br>712939 | 61395 | 109119 | 288888 | 498741 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[k]fluoranthene | PRY | Ave | 2827<br>714917 | 67771 | 125296 | 324636 | 557859 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[a]pyrene | PRY | Ave | 2237<br>597899 | 50258 | 90516 | 252606 | 441215 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Ave | 2522<br>564813 | 40510 | 79518 | 216048 | 409590 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 2064<br>566236 | 42679 | 77505 | 226568 | 399058 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 22776<br>570730 | 45633 | 81560 | 228023 | 400975 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorophenol | DCB | Ave | 66155<br>1306829 | 129937 | 205419 | 501888 | 862452 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol-d5 | DCB | Ave | 73205<br>1380492 | 140891 | 222156 | 534559 | 937685 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene-d5 | NPT | Ave | 63355<br>1314074 | 122877 | 209949 | 492293 | 873681 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorobiphenyl | ANT | Ave | 115532<br>2268540 | 214736 | 363797 | 822538 | 1475672 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Tribromophenol | ANT | Ave | 11041<br>218506 | 21117 | 33294 | 84762 | 148738 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Terphenyl-d14 | CRY | Ave | 57956<br>952090 | 102867 | 188644 | 411133 | 680843 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Lab Smp Id: ICIS-154120
Inj Date : 21-SEP-2009 01:32
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : ICIS-154120
Misc Info : 50ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 19 | N-Nitrosodimethylamine | 74 | 1.928 | 1.928 | (0.441) | 304342 | 50.0000 | 49 |
| 71 | Pyridine | 79 | 1.957 | 1.957 | (0.448) | 547033 | 50.0000 | 49 |
| $ 16 | 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.705) | 501888 | 50.0000 | 48 |
| 110 | Benzaldehyde | 77 | 3.922 | 3.922 | (0.898) | 300624 | 50.0000 | 60 |
| $ 17 | Phenol-d5 (SUR) | 99 | 4.010 | 4.010 | (0.918) | 534559 | 50.0000 | 47 |
| 1 | Phenol | 94 | 4.022 | 4.022 | (0.921) | 614817 | 50.0000 | 49 |
| 73 | Aniline | 93 | 4.040 | 4.040 | (0.925) | 742133 | 50.0000 | 50 |
| 20 | bis(2-Chloroethyl)ether | 93 | 4.098 | 4.098 | (0.938) | 501676 | 50.0000 | 47 |
| 2 | 2-Chlorophenol | 128 | 4.163 | 4.163 | (0.953) | 523457 | 50.0000 | 48 |
| 113 | n-decane | 43 | 4.210 | 4.210 | (0.964) | 448974 | 50.0000 | 48 |
| 21 | 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.987) | 630193 | 50.0000 | 49 |
| * 79 | 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.369 | (1.000) | 305592 | 40.0000 | |
| 22 | 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.003) | 634123 | 50.0000 | 49 |
| 74 | Benzyl Alcohol | 108 | 4.510 | 4.510 | (1.032) | 304765 | 50.0000 | 48 |
| 23 | 1,2-Dichlorobenzene | 146 | 4.540 | 4.540 | (1.039) | 583958 | 50.0000 | 49 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.628 | 4.628 | (1.059) | 410554 | 50.0000 | 47 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.640 | 4.640 | (1.062) | 531764 | 50.0000 | 51 |
| | 104 Acetophenone | 105 | 4.775 | 4.775 | (1.093) | 594285 | 50.0000 | 46 |
| | 4 4-Methylphenol | 108 | 4.781 | 4.781 | (1.094) | 431017 | 50.0000 | 55 |
| | 124 3 & 4 methylphenol | 108 | 4.781 | 4.781 | (1.094) | 431017 | 50.0000 | 55 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.781 | 4.781 | (1.094) | 291683 | 50.0000 | 45 |
| | 26 Hexachloroethane | 117 | 4.881 | 4.881 | (1.117) | 247123 | 50.0000 | 50 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.928 | 4.928 | (0.872) | 492293 | 50.0000 | 49 |
| | 27 Nitrobenzene | 77 | 4.951 | 4.951 | (0.876) | 670204 | 50.0000 | 48 |
| | 107 N,N-Dimethylaniline | 120 | 4.951 | 4.951 | (1.133) | 745986 | 50.0000 | 46 |
| | 28 Isophorone | 82 | 5.187 | 5.187 | (0.918) | 836854 | 50.0000 | 48 |
| | 5 2-Nitrophenol | 139 | 5.263 | 5.263 | (0.931) | 261836 | 50.0000 | 50 |
| | 6 2,4-Dimethylphenol | 122 | 5.316 | 5.316 | (0.941) | 389551 | 50.0000 | 48 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.404 | 5.404 | (0.956) | 513066 | 50.0000 | 49 |
| | 15 Benzoic Acid | 122 | 5.445 | 5.445 | (0.964) | 144716 | 50.0000 | 46 |
| | 7 2,4-Dichlorophenol | 162 | 5.510 | 5.510 | (0.975) | 348184 | 50.0000 | 48 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.592 | 5.592 | (0.990) | 440248 | 50.0000 | 49 |
| * | 80 Naphthalene-d8 | 136 | 5.651 | 5.651 | (1.000) | 1052231 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.669 | 5.669 | (1.003) | 1396772 | 50.0000 | 49 |
| | 32 4-Chloroaniline | 127 | 5.728 | 5.728 | (1.014) | 519320 | 50.0000 | 49 |
| | 33 Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.027) | 262468 | 50.0000 | 49 |
| | 111 Caprolactam | 113 | 6.104 | 6.104 | (1.080) | 106884 | 50.0000 | 52 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.228 | 6.228 | (1.102) | 354332 | 50.0000 | 49 |
| | 34 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.126) | 823758 | 50.0000 | 48 |
| | 120 1-Methylnaphthalene | 142 | 6.463 | 6.463 | (1.144) | 786530 | 50.0000 | 47 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 261366 | 50.0000 | 53 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.575 | 6.575 | (1.163) | 531968 | 50.0000 | 47 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.651 | 6.651 | (0.898) | 224506 | 50.0000 | 49 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.692 | 6.692 | (0.904) | 222696 | 50.0000 | 49 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.734 | 6.734 | (0.909) | 822538 | 50.0000 | 48 |
| | 102 Diphenyl | 154 | 6.834 | 6.834 | (0.923) | 941523 | 50.0000 | 49 |
| | 36 2-Chloronaphthalene | 162 | 6.851 | 6.851 | (0.925) | 748945 | 50.0000 | 49 |
| | 103 Diphenyl Ether | 170 | 6.939 | 6.939 | (0.937) | 516847 | 50.0000 | 49 |
| | 37 2-Nitroaniline | 65 | 6.957 | 6.957 | (0.940) | 255560 | 50.0000 | 53 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.069 | 7.069 | (0.955) | 597607 | 50.0000 | 49 |
| | 38 Dimethylphthalate | 163 | 7.139 | 7.139 | (0.964) | 738270 | 50.0000 | 49 |
| | 114 Coumarin | 146 | 7.157 | 7.157 | (0.967) | 233186 | 50.0000 | 49 |
| | 40 2,6-Dinitrotoluene | 165 | 7.198 | 7.198 | (0.972) | 169562 | 50.0000 | 51 |
| | 39 Acenaphthylene | 152 | 7.263 | 7.263 | (0.981) | 1152965 | 50.0000 | 50 |
| | 41 3-Nitroaniline | 138 | 7.363 | 7.363 | (0.994) | 169837 | 50.0000 | 50 |
| * | 82 Acenaphthene-d10 | 164 | 7.404 | 7.404 | (1.000) | 484646 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.439 | 7.439 | (1.005) | 651285 | 50.0000 | 49 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.428 | 7.428 | (1.003) | 595494 | 50.0000 | 48 |
| | 11 2,4-Dinitrophenol | 184 | 7.463 | 7.463 | (1.008) | 70531 | 50.0000 | 51 |
| | 12 4-Nitrophenol | 65 | 7.534 | 7.534 | (1.017) | 110040 | 50.0000 | 52 |
| | 44 2,4-Dinitrotoluene | 165 | 7.592 | 7.592 | (1.025) | 201052 | 50.0000 | 51 |
| | 43 Dibenzofuran | 168 | 7.604 | 7.604 | (1.027) | 931533 | 50.0000 | 48 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.833 | 7.833 | (1.058) | 704164 | 50.0000 | 50 |
| | 47 Fluorene | 166 | 7.945 | 7.945 | (1.073) | 712561 | 50.0000 | 49 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.945 | 7.945 | (1.073) | 341529 | 50.0000 | 48 |
| | 48 4-Nitroaniline | 138 | 7.969 | 7.969 | (1.076) | 145853 | 50.0000 | 50 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.998 | 7.998 | (0.902) | 87969 | 50.0000 | 53 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.063 | 8.063 | (0.909) | 439435 | 50.0000 | 47 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.098 | 8.098 | (0.913) | 817822 | 50.0000 | 48 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.181 | 8.181 | (1.105) | 84762 | 50.0000 | 51 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.422 | 8.422 | (0.950) | 194357 | 50.0000 | 49 |
| | 51 Hexachlorobenzene | 284 | 8.492 | 8.492 | (0.958) | 184722 | 50.0000 | 48 |
| | 112 Atrazine | 200 | 8.586 | 8.586 | (0.968) | 139794 | 50.0000 | 51 |
| | 14 Pentachlorophenol | 266 | 8.686 | 8.686 | (0.979) | 86342 | 50.0000 | 52 |
| | 115 n-Octadecane | 57 | 8.763 | 8.763 | (0.988) | 424331 | 50.0000 | 48 |
| * | 83 Phenanthrene-d10 | 188 | 8.869 | 8.869 | (1.000) | 592573 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.892 | 8.892 | (1.003) | 846603 | 50.0000 | 50 |
| | 53 Anthracene | 178 | 8.939 | 8.939 | (1.008) | 857033 | 50.0000 | 50 |
| | 54 Carbazole | 167 | 9.098 | 9.098 | (1.026) | 654328 | 50.0000 | 49 |
| | 55 Di-n-butylphthalate | 149 | 9.439 | 9.439 | (1.064) | 876180 | 50.0000 | 51 |
| | 56 Fluoranthene | 202 | 10.063 | 10.063 | (1.135) | 664936 | 50.0000 | 50 |
| | 58 Benzidine | 184 | 10.186 | 10.186 | (1.149) | 84908 | 50.0000 | 42 |
| | 57 Pyrene | 202 | 10.286 | 10.286 | (0.884) | 653867 | 50.0000 | 49 |
| $ | 78 Terphenyl-d14 | 244 | 10.439 | 10.439 | (0.897) | 411133 | 50.0000 | 48 |
| | 59 Butylbenzylphthalate | 149 | 10.969 | 10.969 | (0.943) | 248654 | 50.0000 | 51 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 11.080 | 11.080 | (0.952) | 580 | 0.50000 | 0.50 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.592 | 11.592 | (0.996) | 113762 | 50.0000 | 52 |
| | 61 Benzo(a)anthracene | 228 | 11.621 | 11.621 | (0.999) | 410727 | 50.0000 | 49 |
| * | 81 Chrysene-d12 | 240 | 11.633 | 11.633 | (1.000) | 297279 | 40.0000 | |
| | 62 Chrysene | 228 | 11.669 | 11.669 | (1.003) | 384312 | 50.0000 | 49 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.663 | 11.663 | (1.003) | 317835 | 50.0000 | 51 |
| | 64 Di-n-octylphthalate | 149 | 12.521 | 12.521 | (0.924) | 421761 | 50.0000 | 53 |
| | 65 Benzo(b)fluoranthene | 252 | 13.027 | 13.027 | (0.961) | 288888 | 50.0000 | 51 |
| | 66 Benzo(k)fluoranthene | 252 | 13.068 | 13.068 | (0.964) | 324636 | 50.0000 | 53 |
| | 67 Benzo(a)pyrene | 252 | 13.474 | 13.474 | (0.994) | 252606 | 50.0000 | 53 |
| * | 84 Perylene-d12 | 264 | 13.551 | 13.551 | (1.000) | 196937 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.074 | 15.074 | (1.112) | 216048 | 50.0000 | 50(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.110 | 15.110 | (1.115) | 226568 | 50.0000 | 53 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.498 | 15.498 | (1.144) | 228023 | 50.0000 | 52 |

QC Flag Legend

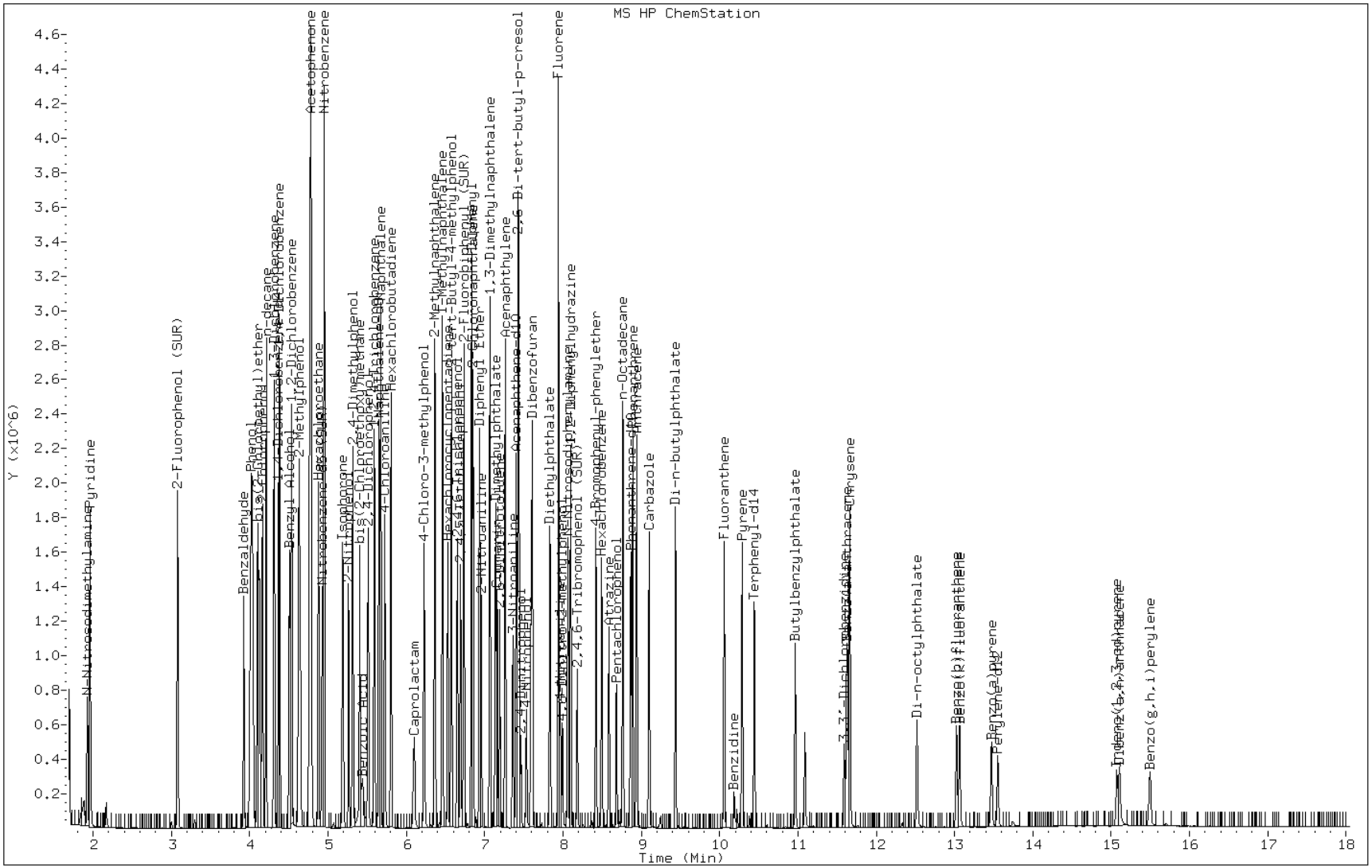
M - Compound response manually integrated.

Data File: z4010.d

Date: 21-SEP-2009 01:32

Client ID: Instrument: BNAMS11.i

Sample Info: ICIS-154120 Operator: BNAMS 4



# Manual Integration Report

Data File: z4010.d
Inj. Date and Time: 21-SEP-2009 01:32
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

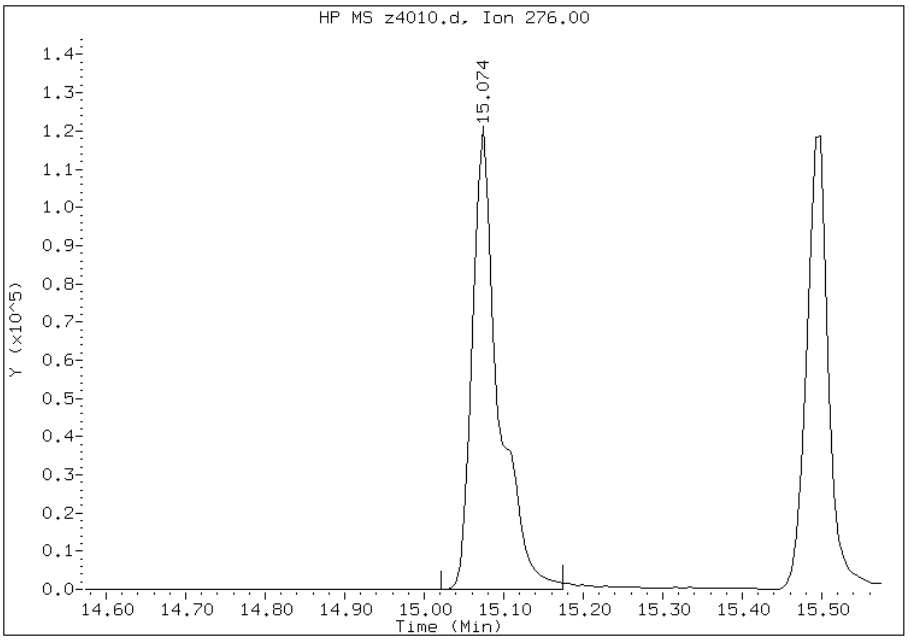
## Processing Integration Results

RT: 15.07

Response: 275092

Amount: 70

Conc: 70



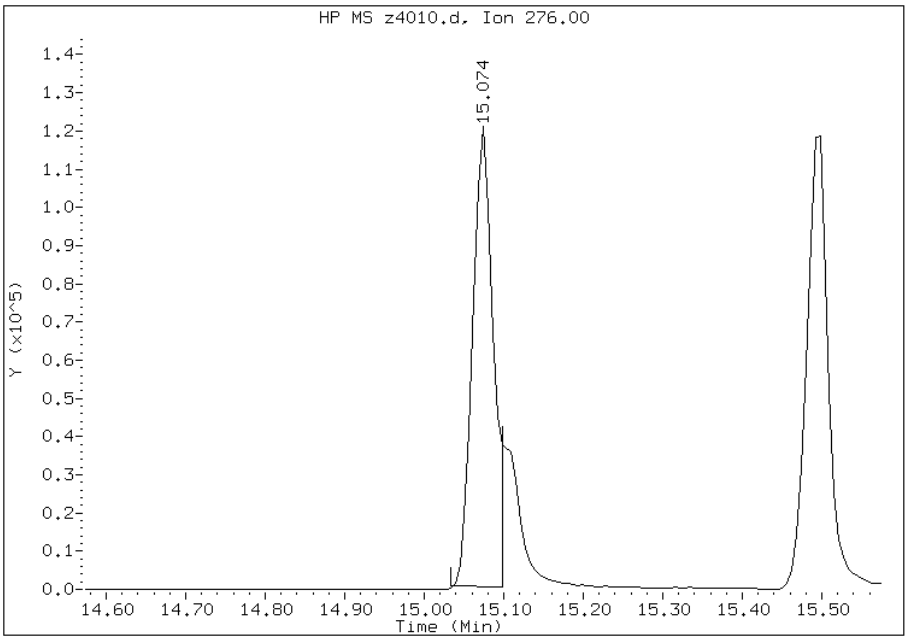

## Manual Integration Results

RT: 15.07

Response: 216048

Amount: 50

Conc: 50




Manually Integrated By: rusin
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Lab Smp Id: IC-154124
Inj Date : 21-SEP-2009 02:22
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154124
Misc Info : 120 ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 2.016 | 1.928 | (0.461) | 850300 | 120.000 | 120(AH) |
| | 71 Pyridine | 79 | 2.052 | 1.957 | (0.469) | 1474697 | 120.000 | 120(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.122 | 3.081 | (0.714) | 1306829 | 120.000 | 120 |
| | 110 Benzaldehyde | 77 | 3.940 | 3.922 | (0.900) | 326869 | 120.000 | 67 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.040 | 4.010 | (0.923) | 1380492 | 120.000 | 120 |
| | 1 Phenol | 94 | 4.057 | 4.022 | (0.927) | 1552264 | 120.000 | 110 |
| | 73 Aniline | 93 | 4.057 | 4.040 | (0.927) | 1683673 | 120.000 | 110 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.128 | 4.098 | (0.944) | 1522396 | 120.000 | 120(A) |
| | 2 2-Chlorophenol | 128 | 4.187 | 4.163 | (0.957) | 1377094 | 120.000 | 120 |
| | 113 n-decane | 43 | 4.222 | 4.210 | (0.965) | 1084032 | 120.000 | 110 |
| | 21 1,3-Dichlorobenzene | 146 | 4.328 | 4.310 | (0.989) | 1651179 | 120.000 | 120 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.375 | 4.369 | (1.000) | 354405 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.399 | 4.381 | (1.005) | 1640069 | 120.000 | 120 |
| | 74 Benzyl Alcohol | 108 | 4.534 | 4.510 | (1.036) | 827317 | 120.000 | 120 |
| | 23 1,2-Dichlorobenzene | 146 | 4.551 | 4.540 | (1.040) | 1498258 | 120.000 | 120 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 2-Methylphenol | 108 | 4.646 | 4.628 | (1.062) | 1089151 | 120.000 | 120 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.657 | 4.640 | (1.065) | 1201919 | 120.000 | 120 |
| | 104 Acetophenone | 105 | 4.798 | 4.775 | (1.097) | 1545669 | 120.000 | 120 |
| | 4 4-Methylphenol | 108 | 4.816 | 4.781 | (1.101) | 1048053 | 120.000 | 120(H) |
| | 124 3 & 4 methylphenol | 108 | 4.816 | 4.781 | (1.101) | 1048053 | 120.000 | 120(H) |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.834 | 4.781 | (1.105) | 809352 | 120.000 | 120(M) |
| | 26 Hexachloroethane | 117 | 4.887 | 4.881 | (1.117) | 618458 | 120.000 | 110 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.946 | 4.928 | (0.874) | 1314074 | 120.000 | 120 |
| | 27 Nitrobenzene | 77 | 4.975 | 4.951 | (0.879) | 1621580 | 120.000 | 110 |
| | 107 N,N-Dimethylaniline | 120 | 4.969 | 4.951 | (1.136) | 1893597 | 120.000 | 110 |
| | 28 Isophorone | 82 | 5.216 | 5.187 | (0.922) | 2322542 | 120.000 | 120 |
| | 5 2-Nitrophenol | 139 | 5.281 | 5.263 | (0.933) | 727622 | 120.000 | 120 |
| | 6 2,4-Dimethylphenol | 122 | 5.340 | 5.316 | (0.944) | 1056241 | 120.000 | 120 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.422 | 5.404 | (0.958) | 1395139 | 120.000 | 120 |
| | 15 Benzoic Acid | 122 | 5.522 | 5.445 | (0.976) | 538126 | 120.000 | 140(AH) |
| | 7 2,4-Dichlorophenol | 162 | 5.528 | 5.510 | (0.977) | 963622 | 120.000 | 120 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.604 | 5.592 | (0.991) | 1191796 | 120.000 | 120 |
| * | 80 Naphthalene-d8 | 136 | 5.657 | 5.651 | (1.000) | 1248288 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.681 | 5.669 | (1.004) | 3664161 | 120.000 | 120 |
| | 32 4-Chloroaniline | 127 | 5.740 | 5.728 | (1.015) | 1311708 | 120.000 | 110 |
| | 33 Hexachlorobutadiene | 225 | 5.810 | 5.804 | (1.027) | 701717 | 120.000 | 120 |
| | 111 Caprolactam | 113 | 6.175 | 6.104 | (1.091) | 260460 | 120.000 | 110(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 6.245 | 6.228 | (1.104) | 927273 | 120.000 | 110 |
| | 34 2-Methylnaphthalene | 142 | 6.375 | 6.363 | (1.127) | 2200886 | 120.000 | 120 |
| | 120 1-Methylnaphthalene | 142 | 6.475 | 6.463 | (1.145) | 2180677 | 120.000 | 120 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 731087 | 120.000 | 120(A) |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.587 | 6.575 | (1.164) | 1433683 | 120.000 | 120 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.663 | 6.651 | (0.899) | 660209 | 120.000 | 120(A) |
| | 10 2,4,5-Trichlorophenol | 196 | 6.710 | 6.692 | (0.906) | 586445 | 120.000 | 120 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.745 | 6.734 | (0.910) | 2268540 | 120.000 | 120(A) |
| | 102 Diphenyl | 154 | 6.845 | 6.834 | (0.924) | 2452845 | 120.000 | 120 |
| | 36 2-Chloronaphthalene | 162 | 6.863 | 6.851 | (0.926) | 1974226 | 120.000 | 120 |
| | 103 Diphenyl Ether | 170 | 6.945 | 6.939 | (0.937) | 1383756 | 120.000 | 120 |
| | 37 2-Nitroaniline | 65 | 6.969 | 6.957 | (0.940) | 527018 | 120.000 | 100 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.081 | 7.069 | (0.956) | 1587692 | 120.000 | 120 |
| | 38 Dimethylphthalate | 163 | 7.151 | 7.139 | (0.965) | 1882636 | 120.000 | 120 |
| | 114 Coumarin | 146 | 7.175 | 7.157 | (0.968) | 584123 | 120.000 | 110 |
| | 40 2,6-Dinitrotoluene | 165 | 7.210 | 7.198 | (0.973) | 439294 | 120.000 | 120 |
| | 39 Acenaphthylene | 152 | 7.275 | 7.263 | (0.982) | 2914889 | 120.000 | 120 |
| | 41 3-Nitroaniline | 138 | 7.381 | 7.363 | (0.996) | 410099 | 120.000 | 110 |
| * | 82 Acenaphthene-d10 | 164 | 7.410 | 7.404 | (1.000) | 550762 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.445 | 7.439 | (1.005) | 1675881 | 120.000 | 120 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.434 | 7.428 | (1.003) | 1609603 | 120.000 | 120 |
| | 11 2,4-Dinitrophenol | 184 | 7.475 | 7.463 | (1.009) | 218711 | 120.000 | 120(A) |
| | 12 4-Nitrophenol | 65 | 7.551 | 7.534 | (1.019) | 270689 | 120.000 | 110 |
| | 44 2,4-Dinitrotoluene | 165 | 7.604 | 7.592 | (1.026) | 487361 | 120.000 | 110 |
| | 43 Dibenzofuran | 168 | 7.616 | 7.604 | (1.028) | 2403485 | 120.000 | 120 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 45 Diethylphthalate | 149 | 7.845 | 7.833 | (1.059) | 1738006 | 120.000 | 110 |
| | 47 Fluorene | 166 | 7.951 | 7.945 | (1.073) | 1780962 | 120.000 | 110 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.951 | 7.945 | (1.073) | 902872 | 120.000 | 120 |
| | 48 4-Nitroaniline | 138 | 7.987 | 7.969 | (1.078) | 326364 | 120.000 | 110 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 8.010 | 7.998 | (0.903) | 237896 | 120.000 | 120(A) |
| | 49 N-Nitrosodiphenylamine | 169 | 8.075 | 8.063 | (0.910) | 1298806 | 120.000 | 130(A) |
| | 75 1,2-Diphenylhydrazine | 77 | 8.110 | 8.098 | (0.914) | 1999592 | 120.000 | 120 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.192 | 8.181 | (1.106) | 218506 | 120.000 | 120 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.434 | 8.422 | (0.951) | 503414 | 120.000 | 120(A) |
| | 51 Hexachlorobenzene | 284 | 8.504 | 8.492 | (0.959) | 481290 | 120.000 | 120(A) |
| | 112 Atrazine | 200 | 8.598 | 8.586 | (0.969) | 284700 | 120.000 | 110 |
| | 14 Pentachlorophenol | 266 | 8.692 | 8.686 | (0.980) | 233590 | 120.000 | 120(A) |
| | 115 n-Octadecane | 57 | 8.769 | 8.763 | (0.989) | 1048327 | 120.000 | 120 |
| * | 83 Phenanthrene-d10 | 188 | 8.869 | 8.869 | (1.000) | 611441 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.898 | 8.892 | (1.003) | 1996374 | 120.000 | 120 |
| | 53 Anthracene | 178 | 8.951 | 8.939 | (1.009) | 1998241 | 120.000 | 120 |
| | 54 Carbazole | 167 | 9.104 | 9.098 | (1.027) | 1460421 | 120.000 | 110 |
| | 55 Di-n-butylphthalate | 149 | 9.445 | 9.439 | (1.065) | 2023426 | 120.000 | 120 |
| | 56 Fluoranthene | 202 | 10.063 | 10.063 | (1.135) | 1520091 | 120.000 | 120 |
| | 58 Benzidine | 184 | 10.192 | 10.186 | (1.149) | 62323 | 120.000 | 36 |
| | 57 Pyrene | 202 | 10.292 | 10.286 | (0.884) | 1440086 | 120.000 | 120 |
| $ | 78 Terphenyl-d14 | 244 | 10.445 | 10.439 | (0.897) | 952090 | 120.000 | 120(A) |
| | 59 Butylbenzylphthalate | 149 | 10.975 | 10.969 | (0.943) | 575535 | 120.000 | 120(A) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.592 | 11.592 | (0.996) | 221150 | 120.000 | 110 |
| | 61 Benzo(a)anthracene | 228 | 11.627 | 11.621 | (0.999) | 935829 | 120.000 | 120(A) |
| * | 81 Chrysene-d12 | 240 | 11.639 | 11.633 | (1.000) | 282115 | 40.0000 | |
| | 62 Chrysene | 228 | 11.674 | 11.669 | (1.003) | 869967 | 120.000 | 120 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.663 | 11.663 | (1.002) | 745248 | 120.000 | 120(A) |
| | 64 Di-n-octylphthalate | 149 | 12.521 | 12.521 | (0.924) | 1050631 | 120.000 | 120(A) |
| | 65 Benzo(b)fluoranthene | 252 | 13.039 | 13.027 | (0.962) | 712939 | 120.000 | 120(A) |
| | 66 Benzo(k)fluoranthene | 252 | 13.074 | 13.068 | (0.964) | 714917 | 120.000 | 120 |
| | 67 Benzo(a)pyrene | 252 | 13.480 | 13.474 | (0.994) | 597899 | 120.000 | 120(A) |
| * | 84 Perylene-d12 | 264 | 13.557 | 13.551 | (1.000) | 189694 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.086 | 15.074 | (1.113) | 564813 | 120.000 | 130(A) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.121 | 15.110 | (1.115) | 566236 | 120.000 | 120(A) |
| | 70 Benzo(g,h,i)perylene | 276 | 15.510 | 15.498 | (1.144) | 570730 | 120.000 | 120(A) |

QC Flag Legend

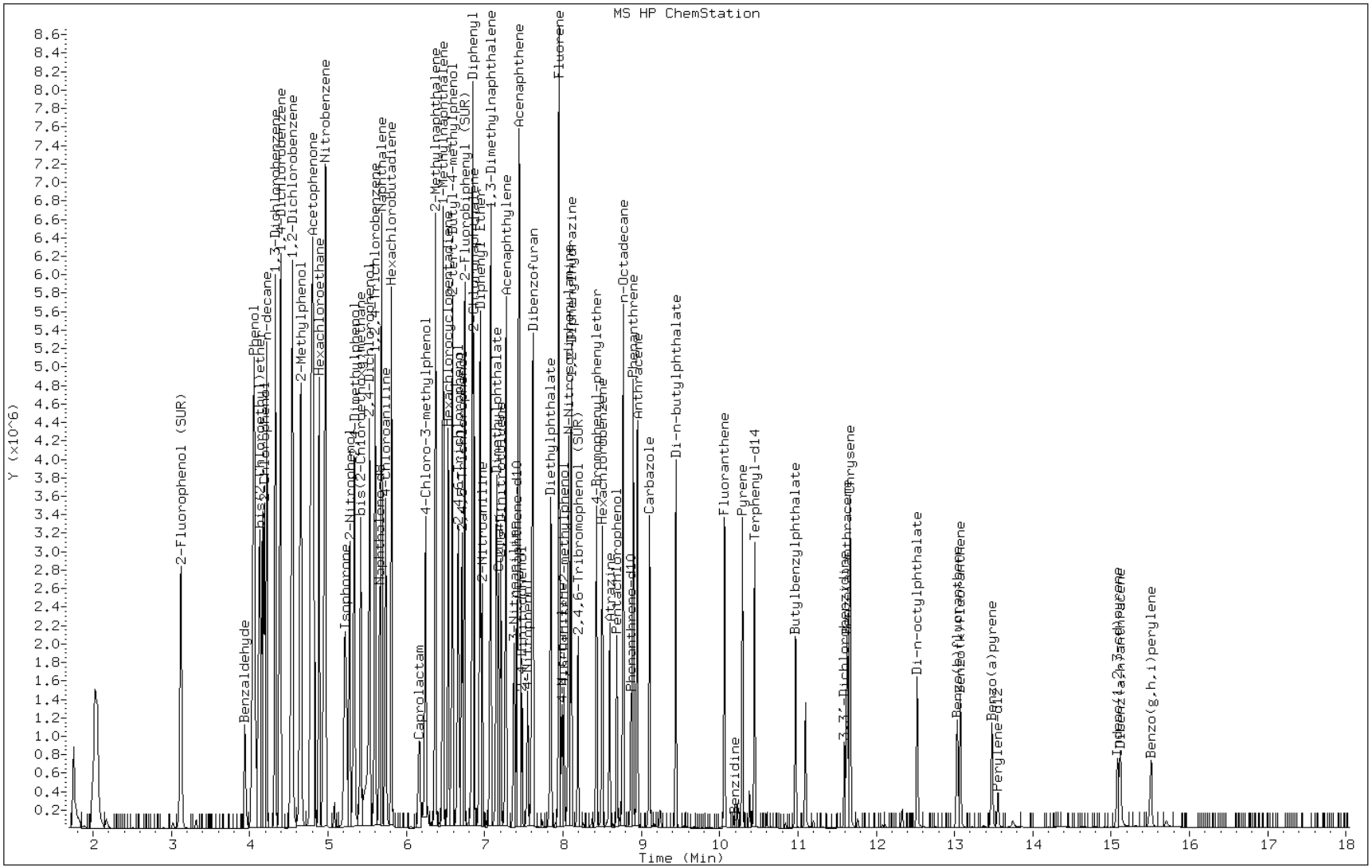
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4011.d

Date: 21-SEP-2009 02:22

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154124 Operator: BNAMS 4



Manual Integration Report

Data File: z4011.d
Inj. Date and Time: 21-SEP-2009 02:22
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/21/2009

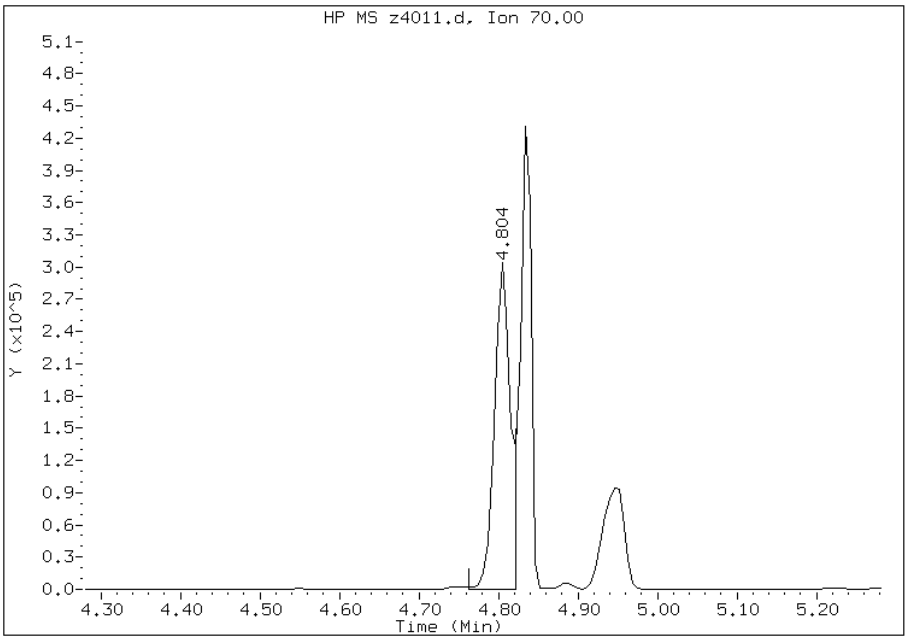
Processing Integration Results

RT: 4.80

Response: 449680

Amount: 101

Conc: 101



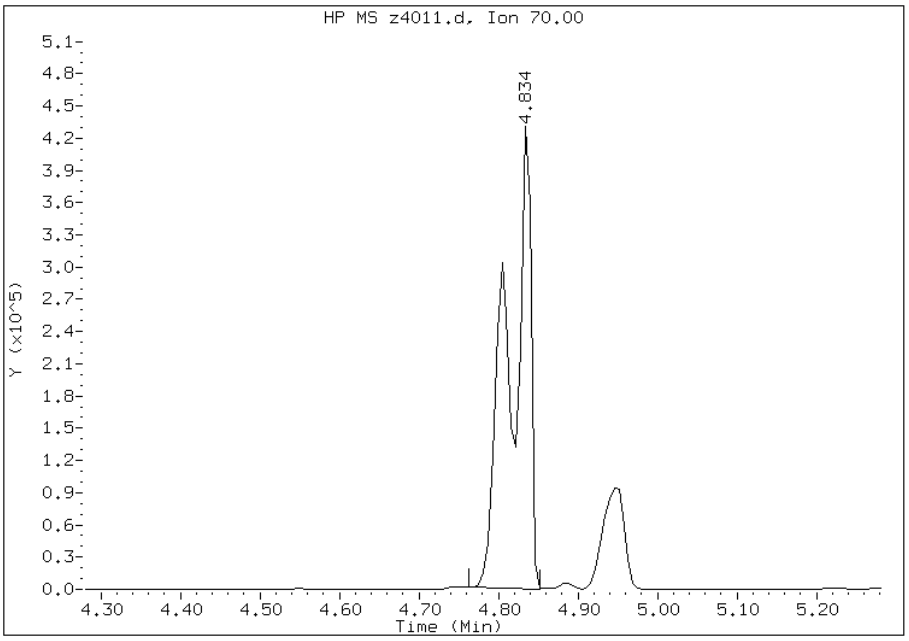

Manual Integration Results

RT: 4.83

Response: 809352

Amount: 120

Conc: 120




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Lab Smp Id: IC-154121
Inj Date : 21-SEP-2009 02:46
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154121
Misc Info : 5 ppmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.934 | 1.928 | (0.443) | 37652 | 5.00000 | 5.2(H) |
| | 71 Pyridine | 79 | 1.969 | 1.957 | (0.451) | 69544 | 5.00000 | 5.4(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 66155 | 5.00000 | 5.6 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 32083 | 5.00000 | 6.0 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.992 | 4.010 | (0.915) | 73205 | 5.00000 | 5.7 |
| | 1 Phenol | 94 | 4.004 | 4.022 | (0.918) | 81553 | 5.00000 | 5.6(H) |
| | 73 Aniline | 93 | 4.028 | 4.040 | (0.923) | 94178 | 5.00000 | 5.6 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.092 | 4.098 | (0.938) | 6439 | 0.50000 | 0.52 |
| | 2 2-Chlorophenol | 128 | 4.151 | 4.163 | (0.951) | 68005 | 5.00000 | 5.5 |
| | 113 n-decane | 43 | 4.204 | 4.210 | (0.964) | 61548 | 5.00000 | 5.8 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 79882 | 5.00000 | 5.4 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 353801 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 80134 | 5.00000 | 5.4 |
| | 74 Benzyl Alcohol | 108 | 4.498 | 4.510 | (1.031) | 37367 | 5.00000 | 5.2(H) |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 76430 | 5.00000 | 5.6 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 | 2-Methylphenol | 108 | 4.616 | 4.628 | (1.058) | 57933 | 5.00000 | 5.8(H) |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.634 | 4.640 | (1.062) | 76310 | 5.00000 | 4.9(a) |
| | 104 | Acetophenone | 105 | 4.763 | 4.775 | (1.092) | 89465 | 5.00000 | 6.0 |
| | 4 | 4-Methylphenol | 108 | 4.769 | 4.781 | (1.093) | 65573 | 5.00000 | 7.3 |
| | 124 | 3 & 4 methylphenol | 108 | 4.769 | 4.781 | (1.093) | 65674 | 5.00000 | 7.3(a) |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.781 | (1.093) | 4292 | 0.50000 | 0.58 |
| | 26 | Hexachloroethane | 117 | 4.875 | 4.881 | (1.117) | 2964 | 0.50000 | 0.53 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.928 | (0.871) | 63355 | 5.00000 | 5.2 |
| | 27 | Nitrobenzene | 77 | 4.934 | 4.951 | (0.874) | 10179 | 0.50000 | 0.60 |
| | 107 | N,N-Dimethylaniline | 120 | 4.939 | 4.951 | (1.132) | 11644 | 0.50000 | 0.62 |
| | 28 | Isophorone | 82 | 5.175 | 5.187 | (0.917) | 111863 | 5.00000 | 5.3 |
| | 5 | 2-Nitrophenol | 139 | 5.257 | 5.263 | (0.931) | 32833 | 5.00000 | 5.1 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.310 | 5.316 | (0.941) | 54968 | 5.00000 | 5.5 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.404 | (0.956) | 69228 | 5.00000 | 5.4 |
| | 15 | Benzoic Acid | 122 | 5.375 | 5.445 | (0.952) | 14297 | 5.00000 | 3.8(aH) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.504 | 5.510 | (0.975) | 47438 | 5.00000 | 5.4 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.586 | 5.592 | (0.990) | 6144 | 0.50000 | 0.55 |
| * | 80 | Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1304352 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.663 | 5.669 | (1.003) | 188531 | 5.00000 | 5.4 |
| | 32 | 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 70216 | 5.00000 | 5.5 |
| | 33 | Hexachlorobutadiene | 225 | 5.798 | 5.804 | (1.027) | 7270 | 1.00000 | 1.1 |
| | 111 | Caprolactam | 113 | 6.045 | 6.104 | (1.071) | 12491 | 5.00000 | 5.0(H) |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.216 | 6.228 | (1.101) | 47490 | 5.00000 | 5.4 |
| | 34 | 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 117443 | 5.00000 | 5.6 |
| | 120 | 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 113011 | 5.00000 | 5.5 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.528 | 6.534 | (0.882) | 27978 | 5.00000 | 4.4(a) |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.575 | (1.164) | 75186 | 5.00000 | 5.5 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.645 | 6.651 | (0.898) | 30074 | 5.00000 | 5.0 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.681 | 6.692 | (0.903) | 30928 | 5.00000 | 5.3 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.734 | (0.909) | 115532 | 5.00000 | 5.3 |
| | 102 | Diphenyl | 154 | 6.828 | 6.834 | (0.923) | 131403 | 5.00000 | 5.4 |
| | 36 | 2-Chloronaphthalene | 162 | 6.845 | 6.851 | (0.925) | 104352 | 5.00000 | 5.3 |
| | 103 | Diphenyl Ether | 170 | 6.933 | 6.939 | (0.937) | 70858 | 5.00000 | 5.2 |
| | 37 | 2-Nitroaniline | 65 | 6.945 | 6.957 | (0.939) | 62516 | 10.0000 | 10 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.069 | (0.955) | 81694 | 5.00000 | 5.2 |
| | 38 | Dimethylphthalate | 163 | 7.128 | 7.139 | (0.963) | 103749 | 5.00000 | 5.4 |
| | 114 | Coumarin | 146 | 7.151 | 7.157 | (0.967) | 32627 | 5.00000 | 5.4 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.186 | 7.198 | (0.971) | 4205 | 1.00000 | 0.99(a) |
| | 39 | Acenaphthylene | 152 | 7.257 | 7.263 | (0.981) | 157776 | 5.00000 | 5.3 |
| | 41 | 3-Nitroaniline | 138 | 7.351 | 7.363 | (0.994) | 46637 | 10.0000 | 11 |
| * | 82 | Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 622000 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 94442 | 5.00000 | 5.5 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.428 | (1.003) | 84500 | 5.00000 | 5.4 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.451 | 7.463 | (1.007) | 18081 | 15.0000 | 11(a) |
| | 12 | 4-Nitrophenol | 65 | 7.528 | 7.534 | (1.017) | 41434 | 15.0000 | 15 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.580 | 7.592 | (1.025) | 5146 | 1.00000 | 1.0 |
| | 43 | Dibenzofuran | 168 | 7.598 | 7.604 | (1.027) | 133333 | 5.00000 | 5.5 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.828 | 7.833 | (1.058) | 94504 | 5.00000 | 5.3 |
| | 47 Fluorene | 166 | 7.939 | 7.945 | (1.073) | 102027 | 5.00000 | 5.5 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.945 | (1.073) | 49575 | 5.00000 | 5.5 |
| | 48 4-Nitroaniline | 138 | 7.951 | 7.969 | (1.075) | 40667 | 10.0000 | 11 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.998 | (0.901) | 26743 | 15.0000 | 12(a) |
| | 49 N-Nitrosodiphenylamine | 169 | 8.051 | 8.063 | (0.908) | 61735 | 5.00000 | 4.9(a) |
| | 75 1,2-Diphenylhydrazine | 77 | 8.092 | 8.098 | (0.913) | 112823 | 5.00000 | 5.2 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.181 | (1.105) | 11041 | 5.00000 | 5.1 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.416 | 8.422 | (0.950) | 25755 | 5.00000 | 5.0 |
| | 51 Hexachlorobenzene | 284 | 8.486 | 8.492 | (0.958) | 2525 | 0.50000 | 0.50 |
| | 112 Atrazine | 200 | 8.575 | 8.586 | (0.967) | 20040 | 5.00000 | 5.6 |
| | 14 Pentachlorophenol | 266 | 8.680 | 8.686 | (0.979) | 27733 | 15.0000 | 13(a) |
| | 115 n-Octadecane | 57 | 8.757 | 8.763 | (0.988) | 59069 | 5.00000 | 5.2 |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 776359 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.886 | 8.892 | (1.003) | 117592 | 5.00000 | 5.3 |
| | 53 Anthracene | 178 | 8.933 | 8.939 | (1.008) | 118608 | 5.00000 | 5.3 |
| | 54 Carbazole | 167 | 9.092 | 9.098 | (1.026) | 94215 | 5.00000 | 5.5 |
| | 55 Di-n-butylphthalate | 149 | 9.433 | 9.439 | (1.064) | 113002 | 5.00000 | 5.1 |
| | 56 Fluoranthene | 202 | 10.051 | 10.063 | (1.134) | 92223 | 5.00000 | 5.3 |
| | 58 Benzidine | 184 | 10.180 | 10.186 | (1.149) | 8462 | 5.00000 | 4.3(a) |
| | 57 Pyrene | 202 | 10.280 | 10.286 | (0.884) | 91826 | 5.00000 | 5.2 |
| $ | 78 Terphenyl-d14 | 244 | 10.433 | 10.439 | (0.897) | 57956 | 5.00000 | 5.2 |
| | 59 Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.943) | 29442 | 5.00000 | 4.6(a) |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 28797 | 10.0000 | 10 |
| | 61 Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.999) | 6243 | 0.50000 | 0.55 |
| * | 81 Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 394294 | 40.0000 | |
| | 62 Chrysene | 228 | 11.657 | 11.669 | (1.003) | 54659 | 5.00000 | 5.2 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.003) | 38681 | 5.00000 | 4.7(a) |
| | 64 Di-n-octylphthalate | 149 | 12.515 | 12.521 | (0.924) | 37779 | 5.00000 | 4.0(a) |
| | 65 Benzo(b)fluoranthene | 252 | 13.021 | 13.027 | (0.961) | 2855 | 0.50000 | 0.43(a) |
| | 66 Benzo(k)fluoranthene | 252 | 13.057 | 13.068 | (0.964) | 2827 | 0.50000 | 0.41(a) |
| | 67 Benzo(a)pyrene | 252 | 13.462 | 13.474 | (0.994) | 2237 | 0.50000 | 0.40(a) |
| * | 84 Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 234336 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.068 | 15.074 | (1.112) | 2522 | 0.50000 | 0.47(aM) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.109 | 15.110 | (1.115) | 2064 | 0.50000 | 0.40(aM) |
| | 70 Benzo(g,h,i)perylene | 276 | 15.480 | 15.498 | (1.143) | 22776 | 5.00000 | 4.3(a) |

QC Flag Legend

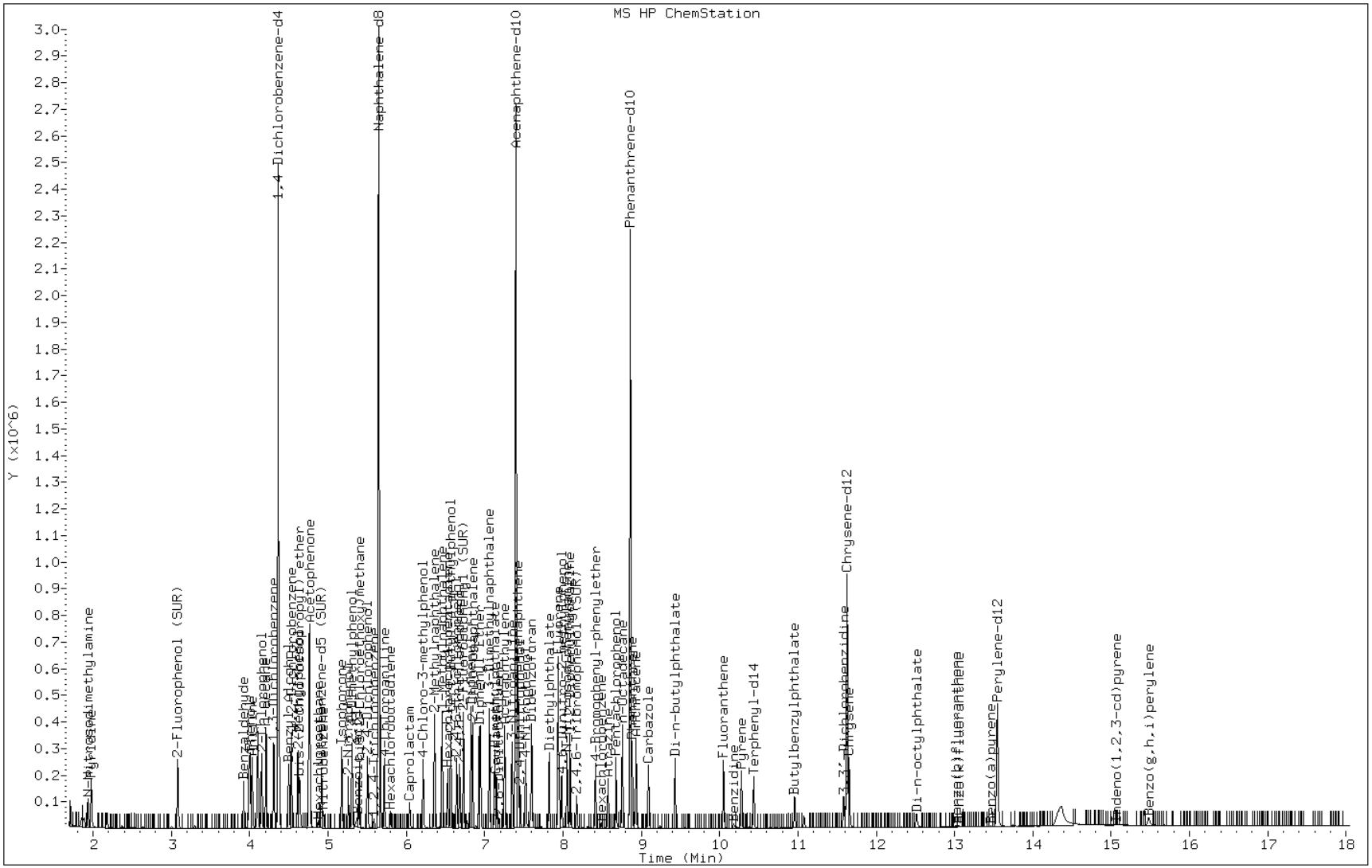
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4012.d

Date: 21-SEP-2009 02:46

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154121 Operator: BNAMS 4



# Manual Integration Report

Data File: z4012.d
Inj. Date and Time: 21-SEP-2009 02:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 09/21/2009

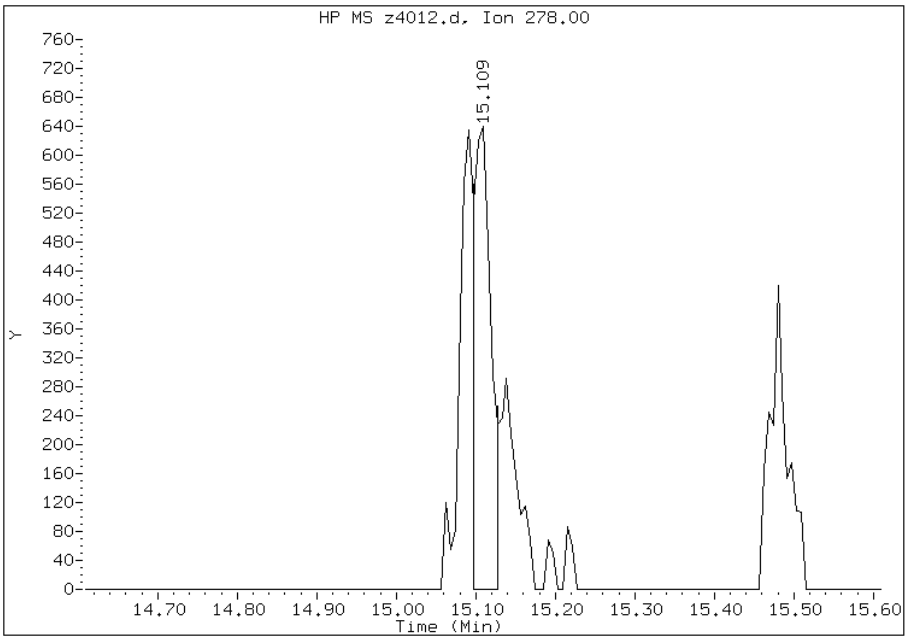
## Processing Integration Results

RT: 15.11

Response: 986

Amount: 0

Conc: 0



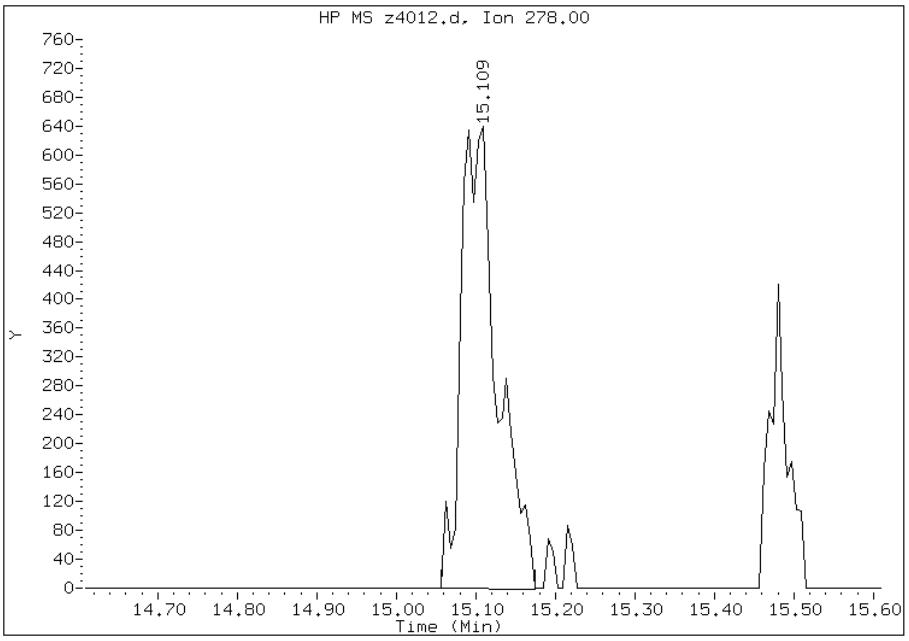

## Manual Integration Results

RT: 15.11

Response: 2064

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z4012.d
Inj. Date and Time: 21-SEP-2009 02:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

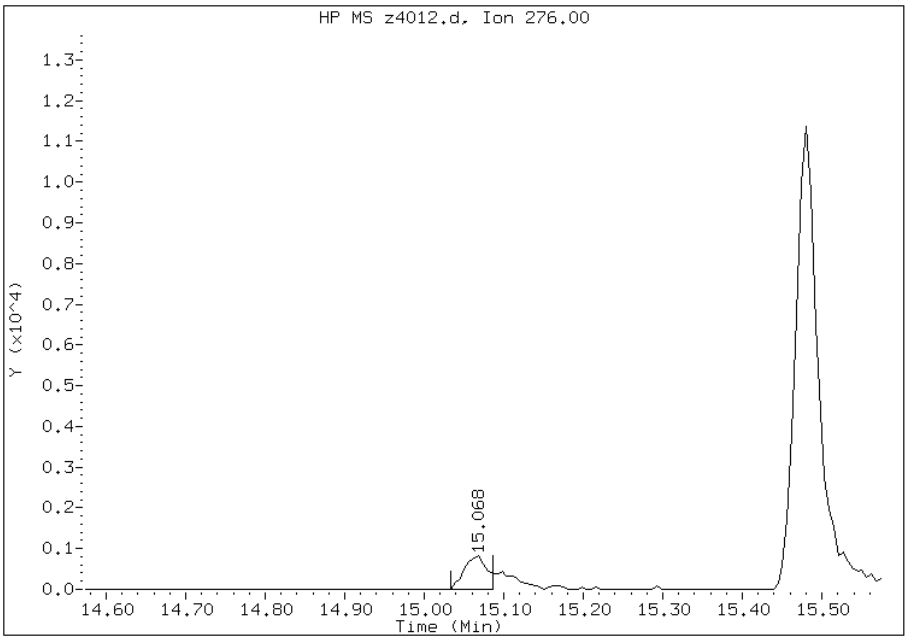
Processing Integration Results

RT: 15.07

Response: 1649

Amount: 0

Conc: 0



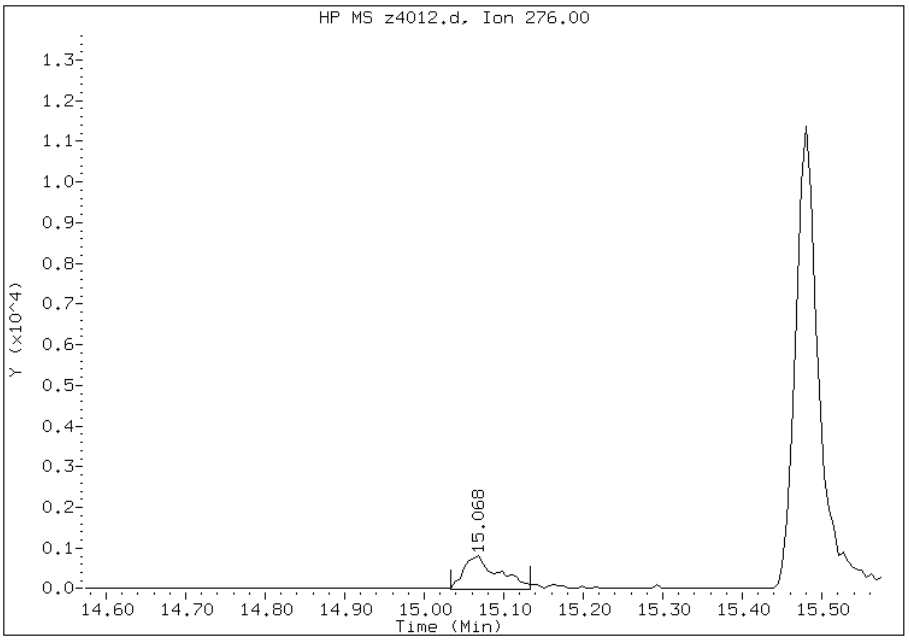

Manual Integration Results

RT: 15.07

Response: 2522

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Lab Smp Id: IC-154123
Inj Date : 21-SEP-2009 03:10
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154123
Misc Info : 80 ppmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.957 | 1.928 | (0.448) | 546145 | 80.0000 | 79 |
| | 71 Pyridine | 79 | 1.987 | 1.957 | (0.455) | 948960 | 80.0000 | 77 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.098 | 3.081 | (0.709) | 862452 | 80.0000 | 76 |
| | 110 Benzaldehyde | 77 | 3.934 | 3.922 | (0.900) | 328188 | 80.0000 | 67 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.028 | 4.010 | (0.922) | 937685 | 80.0000 | 77 |
| | 1 Phenol | 94 | 4.040 | 4.022 | (0.925) | 1040377 | 80.0000 | 76 |
| | 73 Aniline | 93 | 4.051 | 4.040 | (0.927) | 1198721 | 80.0000 | 76 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.116 | 4.098 | (0.942) | 904415 | 80.0000 | 77 |
| | 2 2-Chlorophenol | 128 | 4.175 | 4.163 | (0.956) | 915115 | 80.0000 | 78 |
| | 113 n-decane | 43 | 4.216 | 4.210 | (0.965) | 706245 | 80.0000 | 72 |
| | 21 1,3-Dichlorobenzene | 146 | 4.322 | 4.310 | (0.989) | 1081836 | 80.0000 | 77 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.369 | (1.000) | 339720 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.393 | 4.381 | (1.005) | 1075906 | 80.0000 | 77 |
| | 74 Benzyl Alcohol | 108 | 4.522 | 4.510 | (1.035) | 548858 | 80.0000 | 80 |
| | 23 1,2-Dichlorobenzene | 146 | 4.545 | 4.540 | (1.040) | 992064 | 80.0000 | 76 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 | 2-Methylphenol | 108 | 4.640 | 4.628 | (1.062) | 723736 | 80.0000 | 76 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.645 | 4.640 | (1.063) | 826670 | 80.0000 | 78 |
| | 104 | Acetophenone | 105 | 4.787 | 4.775 | (1.096) | 1015692 | 80.0000 | 73 |
| | 4 | 4-Methylphenol | 108 | 4.798 | 4.781 | (1.098) | 696890 | 80.0000 | 81 |
| | 124 | 3 & 4 methylphenol | 108 | 4.798 | 4.781 | (1.098) | 696890 | 80.0000 | 81 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.792 | 4.781 | (1.097) | 521846 | 80.0000 | 75(M) |
| | 26 | Hexachloroethane | 117 | 4.881 | 4.881 | (1.117) | 414316 | 80.0000 | 78 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 4.934 | 4.928 | (0.873) | 873681 | 80.0000 | 79 |
| | 27 | Nitrobenzene | 77 | 4.963 | 4.951 | (0.878) | 1130187 | 80.0000 | 74 |
| | 107 | N,N-Dimethylaniline | 120 | 4.963 | 4.951 | (1.136) | 1267606 | 80.0000 | 72 |
| | 28 | Isophorone | 82 | 5.198 | 5.187 | (0.920) | 1527490 | 80.0000 | 79 |
| | 5 | 2-Nitrophenol | 139 | 5.269 | 5.263 | (0.932) | 475308 | 80.0000 | 80 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.328 | 5.316 | (0.943) | 711303 | 80.0000 | 78 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.410 | 5.404 | (0.957) | 908378 | 80.0000 | 77 |
| | 15 | Benzoic Acid | 122 | 5.487 | 5.445 | (0.971) | 255656 | 80.0000 | 76(H) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.522 | 5.510 | (0.977) | 629036 | 80.0000 | 78 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.598 | 5.592 | (0.991) | 770590 | 80.0000 | 76 |
| * | 80 | Naphthalene-d8 | 136 | 5.651 | 5.651 | (1.000) | 1202623 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.675 | 5.669 | (1.004) | 2418938 | 80.0000 | 76 |
| | 32 | 4-Chloroaniline | 127 | 5.734 | 5.728 | (1.015) | 902218 | 80.0000 | 77 |
| | 33 | Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.027) | 461034 | 80.0000 | 76 |
| | 111 | Caprolactam | 113 | 6.139 | 6.104 | (1.086) | 192605 | 80.0000 | 83(H) |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.234 | 6.228 | (1.103) | 650810 | 80.0000 | 80 |
| | 34 | 2-Methylnaphthalene | 142 | 6.369 | 6.363 | (1.127) | 1465874 | 80.0000 | 77 |
| | 120 | 1-Methylnaphthalene | 142 | 6.469 | 6.463 | (1.145) | 1408330 | 80.0000 | 76 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 468211 | 80.0000 | 81 |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.581 | 6.575 | (1.164) | 955907 | 80.0000 | 77 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.657 | 6.651 | (0.899) | 412655 | 80.0000 | 78 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.698 | 6.692 | (0.905) | 399068 | 80.0000 | 77 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.739 | 6.734 | (0.910) | 1475672 | 80.0000 | 76 |
| | 102 | Diphenyl | 154 | 6.839 | 6.834 | (0.924) | 1658915 | 80.0000 | 76 |
| | 36 | 2-Chloronaphthalene | 162 | 6.857 | 6.851 | (0.926) | 1319610 | 80.0000 | 76 |
| | 103 | Diphenyl Ether | 170 | 6.939 | 6.939 | (0.937) | 922091 | 80.0000 | 77 |
| | 37 | 2-Nitroaniline | 65 | 6.963 | 6.957 | (0.940) | 376556 | 80.0000 | 73(H) |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.075 | 7.069 | (0.956) | 1059390 | 80.0000 | 77 |
| | 38 | Dimethylphthalate | 163 | 7.145 | 7.139 | (0.965) | 1294306 | 80.0000 | 76 |
| | 114 | Coumarin | 146 | 7.169 | 7.157 | (0.968) | 396764 | 80.0000 | 75 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.204 | 7.198 | (0.973) | 303961 | 80.0000 | 80 |
| | 39 | Acenaphthylene | 152 | 7.269 | 7.263 | (0.982) | 2008252 | 80.0000 | 77 |
| | 41 | 3-Nitroaniline | 138 | 7.369 | 7.363 | (0.995) | 286762 | 80.0000 | 76 |
| * | 82 | Acenaphthene-d10 | 164 | 7.404 | 7.404 | (1.000) | 557514 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.439 | 7.439 | (1.005) | 1144433 | 80.0000 | 76 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.428 | 7.428 | (1.003) | 1079099 | 80.0000 | 77 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.469 | 7.463 | (1.009) | 140182 | 80.0000 | 82 |
| | 12 | 4-Nitrophenol | 65 | 7.539 | 7.534 | (1.018) | 190379 | 80.0000 | 79 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.598 | 7.592 | (1.026) | 345847 | 80.0000 | 78 |
| | 43 | Dibenzofuran | 168 | 7.610 | 7.604 | (1.028) | 1632324 | 80.0000 | 76 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.839 | 7.833 | (1.059) | 1215774 | 80.0000 | 77 |
| | 47 Fluorene | 166 | 7.945 | 7.945 | (1.073) | 1245455 | 80.0000 | 76 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.945 | 7.945 | (1.073) | 613287 | 80.0000 | 76 |
| | 48 4-Nitroaniline | 138 | 7.975 | 7.969 | (1.077) | 232402 | 80.0000 | 73 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 8.004 | 7.998 | (0.903) | 159949 | 80.0000 | 86 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.063 | 8.063 | (0.910) | 760326 | 80.0000 | 75 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.104 | 8.098 | (0.914) | 1424226 | 80.0000 | 80 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.186 | 8.181 | (1.106) | 148738 | 80.0000 | 78 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.428 | 8.422 | (0.951) | 340944 | 80.0000 | 80 |
| | 51 Hexachlorobenzene | 284 | 8.498 | 8.492 | (0.959) | 325935 | 80.0000 | 80 |
| | 112 Atrazine | 200 | 8.592 | 8.586 | (0.969) | 218972 | 80.0000 | 76 |
| | 14 Pentachlorophenol | 266 | 8.686 | 8.686 | (0.980) | 158623 | 80.0000 | 86 |
| | 115 n-Octadecane | 57 | 8.763 | 8.763 | (0.989) | 725711 | 80.0000 | 78 |
| * | 83 Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 636584 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.892 | 8.892 | (1.003) | 1403274 | 80.0000 | 78 |
| | 53 Anthracene | 178 | 8.939 | 8.939 | (1.009) | 1428255 | 80.0000 | 78 |
| | 54 Carbazole | 167 | 9.098 | 9.098 | (1.027) | 1058881 | 80.0000 | 76 |
| | 55 Di-n-butylphthalate | 149 | 9.439 | 9.439 | (1.065) | 1445957 | 80.0000 | 79 |
| | 56 Fluoranthene | 202 | 10.057 | 10.063 | (1.135) | 1088818 | 80.0000 | 77 |
| | 58 Benzidine | 184 | 10.186 | 10.186 | (1.149) | 52976 | 80.0000 | 41 |
| | 57 Pyrene | 202 | 10.286 | 10.286 | (0.884) | 1052652 | 80.0000 | 77 |
| $ | 78 Terphenyl-d14 | 244 | 10.439 | 10.439 | (0.897) | 680843 | 80.0000 | 78 |
| | 59 Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.942) | 424579 | 80.0000 | 83 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 168157 | 80.0000 | 76 |
| | 61 Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.998) | 686318 | 80.0000 | 77 |
| * | 81 Chrysene-d12 | 240 | 11.633 | 11.633 | (1.000) | 312350 | 40.0000 | |
| | 62 Chrysene | 228 | 11.663 | 11.669 | (1.003) | 641593 | 80.0000 | 78 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.002) | 544062 | 80.0000 | 82 |
| | 64 Di-n-octylphthalate | 149 | 12.516 | 12.521 | (0.924) | 750884 | 80.0000 | 85 |
| | 65 Benzo(b)fluoranthene | 252 | 13.027 | 13.027 | (0.961) | 498741 | 80.0000 | 82 |
| | 66 Benzo(k)fluoranthene | 252 | 13.068 | 13.068 | (0.964) | 557859 | 80.0000 | 86 |
| | 67 Benzo(a)pyrene | 252 | 13.474 | 13.474 | (0.994) | 441215 | 80.0000 | 85 |
| * | 84 Perylene-d12 | 264 | 13.551 | 13.551 | (1.000) | 213618 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.074 | 15.074 | (1.112) | 409590 | 80.0000 | 83 |
| | 69 Dibenz(a,h)anthracene | 278 | 15.109 | 15.110 | (1.115) | 399058 | 80.0000 | 84 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.498 | 15.498 | (1.144) | 400975 | 80.0000 | 82 |

QC Flag Legend

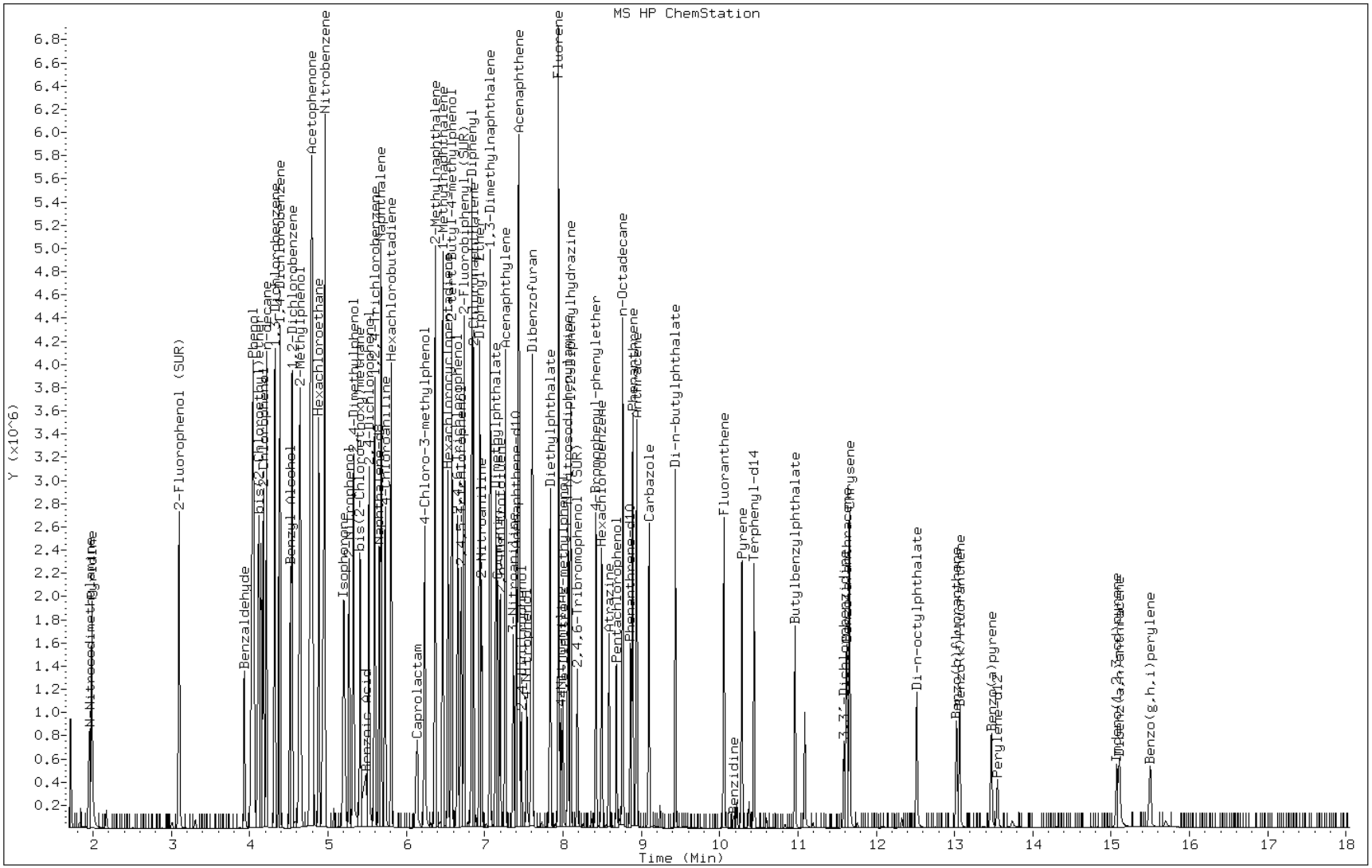
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4013.d

Date: 21-SEP-2009 03:10

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154123 Operator: BNAMS 4



Manual Integration Report

Data File: z4013.d
Inj. Date and Time: 21-SEP-2009 03:10
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/21/2009

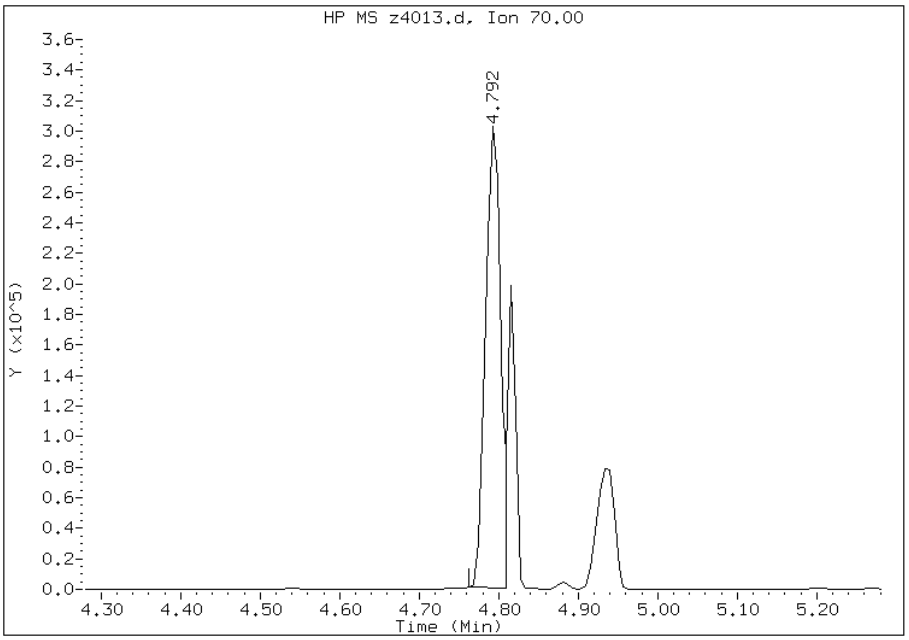
Processing Integration Results

RT: 4.79

Response: 410721

Amount: 67

Conc: 67



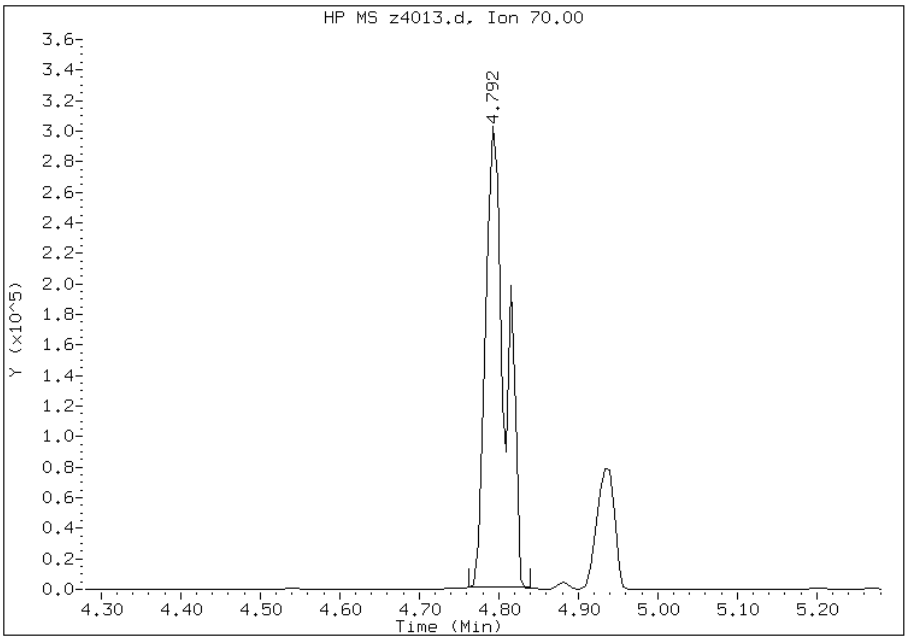

Manual Integration Results

RT: 4.79

Response: 521846

Amount: 75

Conc: 75




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Lab Smp Id: IC-154122
Inj Date : 21-SEP-2009 03:34
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154122
Misc Info : 20 ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 07:05 asfawa Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.922 | 1.922 | (0.441) | 118921 | 20.0000 | 20(H) |
| | 71 Pyridine | 79 | 1.957 | 1.957 | (0.449) | 217697 | 20.0000 | 20 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 205419 | 20.0000 | 21 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 116727 | 20.0000 | 26 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.998 | 3.998 | (0.916) | 222156 | 20.0000 | 21 |
| | 1 Phenol | 94 | 4.010 | 4.010 | (0.919) | 252999 | 20.0000 | 21(H) |
| | 73 Aniline | 93 | 4.034 | 4.034 | (0.924) | 308283 | 20.0000 | 22 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.093 | 4.093 | (0.938) | 204476 | 20.0000 | 20 |
| | 2 2-Chlorophenol | 128 | 4.157 | 4.157 | (0.953) | 218026 | 20.0000 | 21 |
| | 113 n-decane | 43 | 4.210 | 4.210 | (0.965) | 194859 | 20.0000 | 22 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 250818 | 20.0000 | 20 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.363 | (1.000) | 293110 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 250403 | 20.0000 | 20 |
| | 74 Benzyl Alcohol | 108 | 4.498 | 4.498 | (1.031) | 120603 | 20.0000 | 20 |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.534 | (1.039) | 235149 | 20.0000 | 21 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | Compounds | | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 | 2-Methylphenol | 108 | 4.616 | 4.616 | (1.058) | 176472 | 20.0000 | 21 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.640 | 4.640 | (1.063) | 230806 | 20.0000 | 20 |
| | 104 | Acetophenone | 105 | 4.769 | 4.769 | (1.093) | 263818 | 20.0000 | 22 |
| | 4 | 4-Methylphenol | 108 | 4.769 | 4.769 | (1.093) | 187111 | 20.0000 | 25 |
| | 124 | 3 & 4 methylphenol | 108 | 4.769 | 4.769 | (1.093) | 187111 | 20.0000 | 25 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.769 | (1.093) | 125855 | 20.0000 | 21 |
| | 26 | Hexachloroethane | 117 | 4.875 | 4.875 | (1.117) | 98410 | 20.0000 | 21 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.916 | (0.871) | 209949 | 20.0000 | 21 |
| | 27 | Nitrobenzene | 77 | 4.940 | 4.940 | (0.875) | 289954 | 20.0000 | 21(H) |
| | 107 | N,N-Dimethylaniline | 120 | 4.945 | 4.945 | (1.133) | 313152 | 20.0000 | 21 |
| | 28 | Isophorone | 82 | 5.181 | 5.181 | (0.918) | 349801 | 20.0000 | 20 |
| | 5 | 2-Nitrophenol | 139 | 5.263 | 5.263 | (0.932) | 108343 | 20.0000 | 21 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.310 | 5.310 | (0.941) | 167543 | 20.0000 | 21 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.398 | (0.956) | 212265 | 20.0000 | 20 |
| | 15 | Benzoic Acid | 122 | 5.410 | 5.410 | (0.958) | 77050 | 20.0000 | 25(H) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.504 | 5.504 | (0.975) | 150573 | 20.0000 | 21 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.593 | 5.593 | (0.991) | 180194 | 20.0000 | 20 |
| * | 80 | Naphthalene-d8 | 136 | 5.645 | 5.645 | (1.000) | 1048427 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.669 | 5.669 | (1.004) | 577069 | 20.0000 | 21 |
| | 32 | 4-Chloroaniline | 127 | 5.722 | 5.722 | (1.014) | 221200 | 20.0000 | 21 |
| | 33 | Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.028) | 108420 | 20.0000 | 20 |
| | 111 | Caprolactam | 113 | 6.069 | 6.069 | (1.075) | 43052 | 20.0000 | 21(H) |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.216 | 6.216 | (1.101) | 148876 | 20.0000 | 21 |
| | 34 | 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 350367 | 20.0000 | 21 |
| | 120 | 1-Methylnaphthalene | 142 | 6.463 | 6.463 | (1.145) | 344397 | 20.0000 | 21 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.528 | 6.528 | (0.882) | 99098 | 20.0000 | 19 |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.569 | (1.164) | 236269 | 20.0000 | 21 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.645 | 6.645 | (0.898) | 93701 | 20.0000 | 20 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.687 | 6.687 | (0.904) | 97145 | 20.0000 | 21 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.728 | (0.909) | 363797 | 20.0000 | 21 |
| | 102 | Diphenyl | 154 | 6.828 | 6.828 | (0.923) | 403470 | 20.0000 | 21 |
| | 36 | 2-Chloronaphthalene | 162 | 6.845 | 6.845 | (0.925) | 320012 | 20.0000 | 21 |
| | 103 | Diphenyl Ether | 170 | 6.934 | 6.934 | (0.937) | 218358 | 20.0000 | 20 |
| | 37 | 2-Nitroaniline | 65 | 6.951 | 6.951 | (0.940) | 108902 | 20.0000 | 23 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.063 | (0.955) | 259240 | 20.0000 | 21 |
| | 38 | Dimethylphthalate | 163 | 7.134 | 7.134 | (0.964) | 310663 | 20.0000 | 20 |
| | 114 | Coumarin | 146 | 7.151 | 7.151 | (0.967) | 99541 | 20.0000 | 21 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.187 | 7.187 | (0.971) | 70155 | 20.0000 | 21 |
| | 39 | Acenaphthylene | 152 | 7.257 | 7.257 | (0.981) | 481273 | 20.0000 | 20 |
| | 41 | 3-Nitroaniline | 138 | 7.357 | 7.357 | (0.994) | 72023 | 20.0000 | 21 |
| * | 82 | Acenaphthene-d10 | 164 | 7.398 | 7.398 | (1.000) | 496353 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.434 | 7.434 | (1.005) | 277900 | 20.0000 | 20 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.422 | (1.003) | 265457 | 20.0000 | 21 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.457 | 7.457 | (1.008) | 36838 | 30.0000 | 27 |
| | 12 | 4-Nitrophenol | 65 | 7.528 | 7.528 | (1.017) | 65458 | 30.0000 | 30 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.586 | 7.586 | (1.025) | 85789 | 20.0000 | 21 |
| | 43 | Dibenzofuran | 168 | 7.598 | 7.598 | (1.027) | 408096 | 20.0000 | 21 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 45 | Diethylphthalate | 149 | 7.828 | 7.828 | (1.058) | 293202 | 20.0000 | 21 |
| 47 | Fluorene | 166 | 7.939 | 7.939 | (1.073) | 307220 | 20.0000 | 21 |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.939 | (1.073) | 145086 | 20.0000 | 20 |
| 48 | 4-Nitroaniline | 138 | 7.957 | 7.957 | (1.076) | 63960 | 20.0000 | 22 |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.986 | (0.901) | 50497 | 30.0000 | 28 |
| 49 | N-Nitrosodiphenylamine | 169 | 8.057 | 8.057 | (0.909) | 186839 | 20.0000 | 19 |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.092 | 8.092 | (0.913) | 352771 | 20.0000 | 20 |
| $ 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.175 | (1.105) | 33294 | 20.0000 | 20 |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.416 | 8.416 | (0.950) | 79392 | 20.0000 | 19 |
| 51 | Hexachlorobenzene | 284 | 8.486 | 8.486 | (0.958) | 76751 | 20.0000 | 20 |
| 112 | Atrazine | 200 | 8.581 | 8.581 | (0.968) | 59524 | 20.0000 | 21 |
| 14 | Pentachlorophenol | 266 | 8.681 | 8.681 | (0.979) | 48638 | 30.0000 | 28 |
| 115 | n-Octadecane | 57 | 8.757 | 8.757 | (0.988) | 193665 | 20.0000 | 21 |
| * 83 | Phenanthrene-d10 | 188 | 8.863 | 8.863 | (1.000) | 615526 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.886 | 8.886 | (1.003) | 358788 | 20.0000 | 20 |
| 53 | Anthracene | 178 | 8.933 | 8.933 | (1.008) | 367189 | 20.0000 | 21 |
| 54 | Carbazole | 167 | 9.092 | 9.092 | (1.026) | 286783 | 20.0000 | 21 |
| 55 | Di-n-butylphthalate | 149 | 9.433 | 9.433 | (1.064) | 370982 | 20.0000 | 21 |
| 56 | Fluoranthene | 202 | 10.051 | 10.051 | (1.134) | 290652 | 20.0000 | 21 |
| 58 | Benzidine | 184 | 10.180 | 10.180 | (1.149) | 92056 | 30.0000 | 54 |
| 57 | Pyrene | 202 | 10.280 | 10.280 | (0.884) | 288537 | 20.0000 | 21 |
| $ 78 | Terphenyl-d14 | 244 | 10.433 | 10.433 | (0.897) | 188644 | 20.0000 | 21 |
| 59 | Butylbenzylphthalate | 149 | 10.957 | 10.957 | (0.942) | 104852 | 20.0000 | 20 |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.586 | (0.996) | 70496 | 30.0000 | 32 |
| 61 | Benzo(a)anthracene | 228 | 11.616 | 11.616 | (0.999) | 170433 | 20.0000 | 19 |
| * 81 | Chrysene-d12 | 240 | 11.627 | 11.627 | (1.000) | 308090 | 40.0000 | |
| 62 | Chrysene | 228 | 11.657 | 11.657 | (1.003) | 162388 | 20.0000 | 20 |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.657 | (1.003) | 131488 | 20.0000 | 20 |
| 64 | Di-n-octylphthalate | 149 | 12.510 | 12.510 | (0.924) | 151266 | 20.0000 | 20 |
| 65 | Benzo(b)fluoranthene | 252 | 13.021 | 13.021 | (0.961) | 109119 | 20.0000 | 20 |
| 66 | Benzo(k)fluoranthene | 252 | 13.057 | 13.057 | (0.964) | 125296 | 20.0000 | 22 |
| 67 | Benzo(a)pyrene | 252 | 13.463 | 13.463 | (0.994) | 90516 | 20.0000 | 20 |
| * 84 | Perylene-d12 | 264 | 13.545 | 13.545 | (1.000) | 186425 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.062 | 15.062 | (1.112) | 79518 | 20.0000 | 19(M) |
| 69 | Dibenz(a,h)anthracene | 278 | 15.098 | 15.098 | (1.115) | 77505 | 20.0000 | 19 |
| 70 | Benzo(g,h,i)perylene | 276 | 15.480 | 15.480 | (1.143) | 81560 | 20.0000 | 19 |

QC Flag Legend

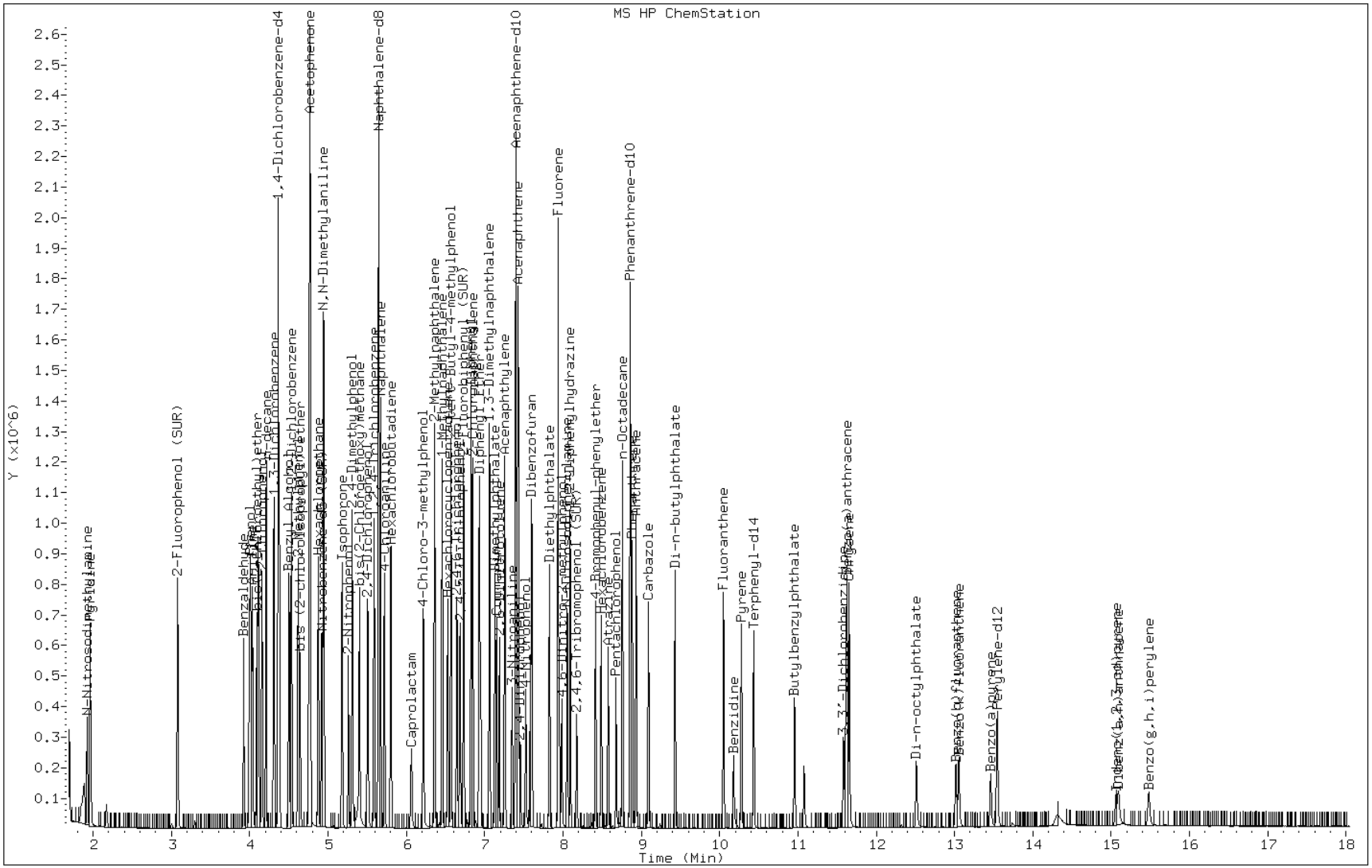
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4014.d

Date: 21-SEP-2009 03:34

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154122 Operator: BNAMS 4



# Manual Integration Report

Data File: z4014.d
Inj. Date and Time: 21-SEP-2009 03:34
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

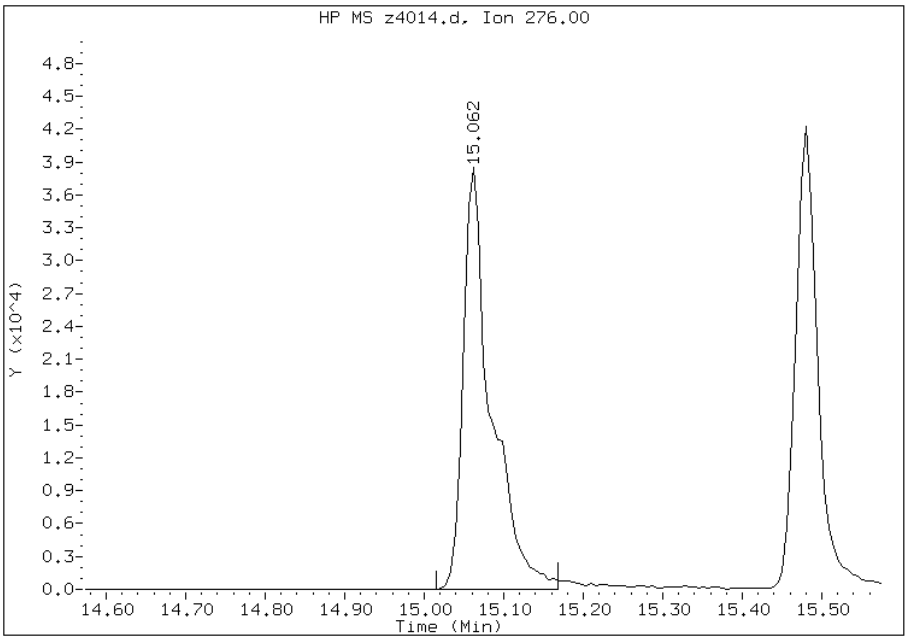
## Processing Integration Results

RT: 15.06

Response: 94563

Amount: 22

Conc: 22



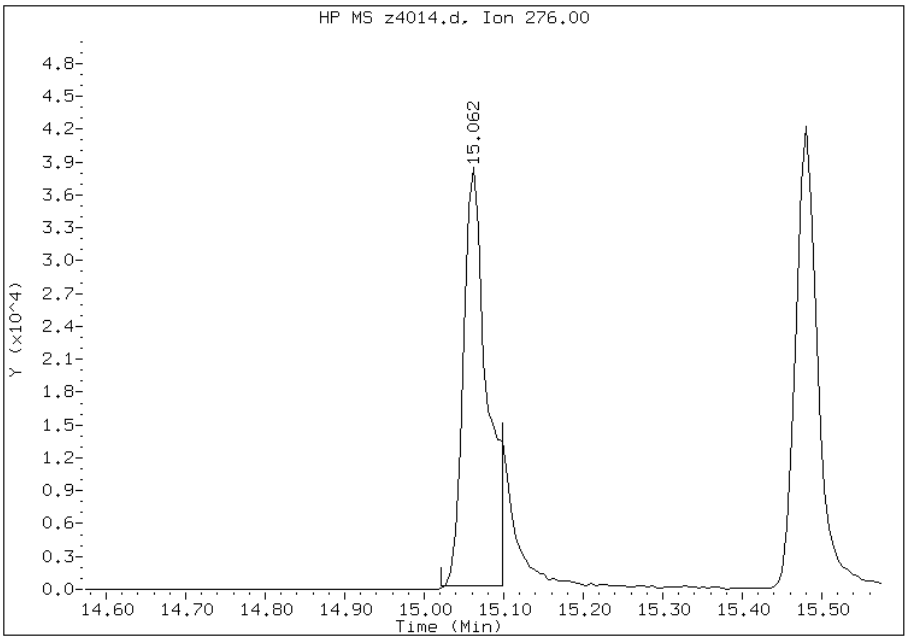

## Manual Integration Results

RT: 15.06

Response: 79518

Amount: 19

Conc: 19




Manually Integrated By: rusin
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Lab Smp Id: IC-154125
Inj Date : 21-SEP-2009 03:58
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154125
Misc Info : 10 ppmmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.928 | 1.928 | (0.442) | 73140 | 10.0000 | 10 |
| | 71 Pyridine | 79 | 1.963 | 1.957 | (0.450) | 133439 | 10.0000 | 10 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 129937 | 10.0000 | 11 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 71765 | 10.0000 | 13 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.993 | 4.010 | (0.915) | 140891 | 10.0000 | 11 |
| | 1 Phenol | 94 | 4.004 | 4.022 | (0.918) | 144955 | 10.0000 | 10 |
| | 73 Aniline | 93 | 4.028 | 4.040 | (0.923) | 187550 | 10.0000 | 11 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.093 | 4.098 | (0.938) | 124194 | 10.0000 | 10 |
| | 2 2-Chlorophenol | 128 | 4.151 | 4.163 | (0.951) | 127366 | 10.0000 | 10 |
| | 113 n-decane | 43 | 4.204 | 4.210 | (0.964) | 118248 | 10.0000 | 11 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 151676 | 10.0000 | 10 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 343570 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 151025 | 10.0000 | 10 |
| | 74 Benzyl Alcohol | 108 | 4.498 | 4.510 | (1.031) | 75846 | 10.0000 | 11 |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 142036 | 10.0000 | 10 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.616 | 4.628 | (1.058) | 103410 | 10.0000 | 10 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.634 | 4.640 | (1.062) | 144471 | 10.0000 | 10 |
| | 104 Acetophenone | 105 | 4.763 | 4.775 | (1.092) | 161005 | 10.0000 | 11 |
| | 4 4-Methylphenol | 108 | 4.769 | 4.781 | (1.093) | 114617 | 10.0000 | 13 |
| | 124 3 & 4 methylphenol | 108 | 4.769 | 4.781 | (1.093) | 114617 | 10.0000 | 13 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.781 | (1.093) | 79149 | 10.0000 | 11 |
| | 26 Hexachloroethane | 117 | 4.875 | 4.881 | (1.117) | 60450 | 10.0000 | 11 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.928 | (0.871) | 122877 | 10.0000 | 10 |
| | 27 Nitrobenzene | 77 | 4.940 | 4.951 | (0.875) | 179691 | 10.0000 | 11 |
| | 107 N,N-Dimethylaniline | 120 | 4.940 | 4.951 | (1.132) | 193230 | 10.0000 | 11 |
| | 28 Isophorone | 82 | 5.175 | 5.187 | (0.917) | 213538 | 10.0000 | 10 |
| | 5 2-Nitrophenol | 139 | 5.257 | 5.263 | (0.931) | 61025 | 10.0000 | 9.9 |
| | 6 2,4-Dimethylphenol | 122 | 5.310 | 5.316 | (0.941) | 98427 | 10.0000 | 10 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.404 | (0.956) | 129907 | 10.0000 | 10 |
| | 15 Benzoic Acid | 122 | 5.393 | 5.445 | (0.955) | 39266 | 10.0000 | 10 |
| | 7 2,4-Dichlorophenol | 162 | 5.504 | 5.510 | (0.975) | 86671 | 10.0000 | 10 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.587 | 5.592 | (0.990) | 112442 | 10.0000 | 11 |
| * | 80 Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1236156 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.669 | 5.669 | (1.004) | 363002 | 10.0000 | 11 |
| | 32 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 140520 | 10.0000 | 11 |
| | 33 Hexachlorobutadiene | 225 | 5.798 | 5.804 | (1.027) | 66023 | 10.0000 | 10 |
| | 111 Caprolactam | 113 | 6.051 | 6.104 | (1.072) | 25298 | 10.0000 | 10 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.216 | 6.228 | (1.101) | 88837 | 10.0000 | 10 |
| | 34 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 214029 | 10.0000 | 11 |
| | 120 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 212351 | 10.0000 | 11 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.528 | 6.534 | (0.882) | 55753 | 10.0000 | 9.3 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.575 | (1.164) | 145042 | 10.0000 | 11 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.645 | 6.651 | (0.898) | 54868 | 10.0000 | 9.7 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.681 | 6.692 | (0.903) | 56431 | 10.0000 | 10 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.734 | (0.909) | 214736 | 10.0000 | 10 |
| | 102 Diphenyl | 154 | 6.828 | 6.834 | (0.923) | 245508 | 10.0000 | 10 |
| | 36 2-Chloronaphthalene | 162 | 6.845 | 6.851 | (0.925) | 198167 | 10.0000 | 10 |
| | 103 Diphenyl Ether | 170 | 6.934 | 6.939 | (0.937) | 135294 | 10.0000 | 10 |
| | 37 2-Nitroaniline | 65 | 6.945 | 6.957 | (0.939) | 66657 | 10.0000 | 11 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.069 | (0.955) | 156449 | 10.0000 | 10 |
| | 38 Dimethylphthalate | 163 | 7.128 | 7.139 | (0.963) | 195700 | 10.0000 | 11 |
| | 114 Coumarin | 146 | 7.151 | 7.157 | (0.967) | 62641 | 10.0000 | 11 |
| | 40 2,6-Dinitrotoluene | 165 | 7.187 | 7.198 | (0.971) | 41745 | 10.0000 | 10 |
| | 39 Acenaphthylene | 152 | 7.257 | 7.263 | (0.981) | 301427 | 10.0000 | 11 |
| | 41 3-Nitroaniline | 138 | 7.351 | 7.363 | (0.994) | 44234 | 10.0000 | 11 |
| * | 82 Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 593987 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 175927 | 10.0000 | 11 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.428 | (1.003) | 160010 | 10.0000 | 10 |
| | 11 2,4-Dinitrophenol | 184 | 7.451 | 7.463 | (1.007) | 26335 | 20.0000 | 17 |
| | 12 4-Nitrophenol | 65 | 7.528 | 7.534 | (1.017) | 51097 | 20.0000 | 20 |
| | 44 2,4-Dinitrotoluene | 165 | 7.581 | 7.592 | (1.025) | 50319 | 10.0000 | 10 |
| | 43 Dibenzofuran | 168 | 7.598 | 7.604 | (1.027) | 253500 | 10.0000 | 11 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| 45 | Diethylphthalate | 149 | 7.828 | 7.833 | (1.058) | 179325 | 10.0000 | 10 |
| 47 | Fluorene | 166 | 7.939 | 7.945 | (1.073) | 189054 | 10.0000 | 11 |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.945 | (1.073) | 91729 | 10.0000 | 10 |
| 48 | 4-Nitroaniline | 138 | 7.951 | 7.969 | (1.075) | 39288 | 10.0000 | 11 |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.998 | (0.901) | 36708 | 20.0000 | 18 |
| 49 | N-Nitrosodiphenylamine | 169 | 8.051 | 8.063 | (0.908) | 116830 | 10.0000 | 10 |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.092 | 8.098 | (0.913) | 217804 | 10.0000 | 10 |
| $ 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.181 | (1.105) | 21117 | 10.0000 | 10 |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.416 | 8.422 | (0.950) | 48400 | 10.0000 | 10 |
| 51 | Hexachlorobenzene | 284 | 8.486 | 8.492 | (0.958) | 47805 | 10.0000 | 10 |
| 112 | Atrazine | 200 | 8.581 | 8.586 | (0.968) | 36481 | 10.0000 | 11 |
| 14 | Pentachlorophenol | 266 | 8.681 | 8.686 | (0.979) | 36697 | 20.0000 | 18 |
| 115 | n-Octadecane | 57 | 8.757 | 8.763 | (0.988) | 117218 | 10.0000 | 11 |
| * 83 | Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 729585 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.881 | 8.892 | (1.002) | 220825 | 10.0000 | 10 |
| 53 | Anthracene | 178 | 8.933 | 8.939 | (1.008) | 222571 | 10.0000 | 10 |
| 54 | Carbazole | 167 | 9.092 | 9.098 | (1.026) | 174154 | 10.0000 | 11 |
| 55 | Di-n-butylphthalate | 149 | 9.433 | 9.439 | (1.064) | 218323 | 10.0000 | 10 |
| 56 | Fluoranthene | 202 | 10.051 | 10.063 | (1.134) | 166807 | 10.0000 | 10 |
| 58 | Benzidine | 184 | 10.180 | 10.186 | (1.149) | 87961 | 20.0000 | 35 |
| 57 | Pyrene | 202 | 10.275 | 10.286 | (0.884) | 166792 | 10.0000 | 11 |
| $ 78 | Terphenyl-d14 | 244 | 10.433 | 10.439 | (0.897) | 102867 | 10.0000 | 10 |
| 59 | Butylbenzylphthalate | 149 | 10.957 | 10.969 | (0.942) | 56621 | 10.0000 | 9.9 |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.580 | 11.592 | (0.996) | 54454 | 20.0000 | 21 |
| 61 | Benzo(a)anthracene | 228 | 11.610 | 11.621 | (0.998) | 96567 | 10.0000 | 9.8 |
| * 81 | Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 348022 | 40.0000 | |
| 62 | Chrysene | 228 | 11.657 | 11.669 | (1.003) | 96715 | 10.0000 | 10 |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.003) | 71375 | 10.0000 | 9.7 |
| 64 | Di-n-octylphthalate | 149 | 12.510 | 12.521 | (0.924) | 76187 | 10.0000 | 8.8 |
| 65 | Benzo(b)fluoranthene | 252 | 13.021 | 13.027 | (0.961) | 61395 | 10.0000 | 10 |
| 66 | Benzo(k)fluoranthene | 252 | 13.057 | 13.068 | (0.964) | 67771 | 10.0000 | 10 |
| 67 | Benzo(a)pyrene | 252 | 13.463 | 13.474 | (0.994) | 50258 | 10.0000 | 9.7 |
| * 84 | Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 215112 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.062 | 15.074 | (1.112) | 40510 | 10.0000 | 8.5(M) |
| 69 | Dibenz(a,h)anthracene | 278 | 15.098 | 15.110 | (1.115) | 42679 | 10.0000 | 9.2 |
| 70 | Benzo(g,h,i)perylene | 276 | 15.480 | 15.498 | (1.143) | 45633 | 10.0000 | 9.5 |

QC Flag Legend

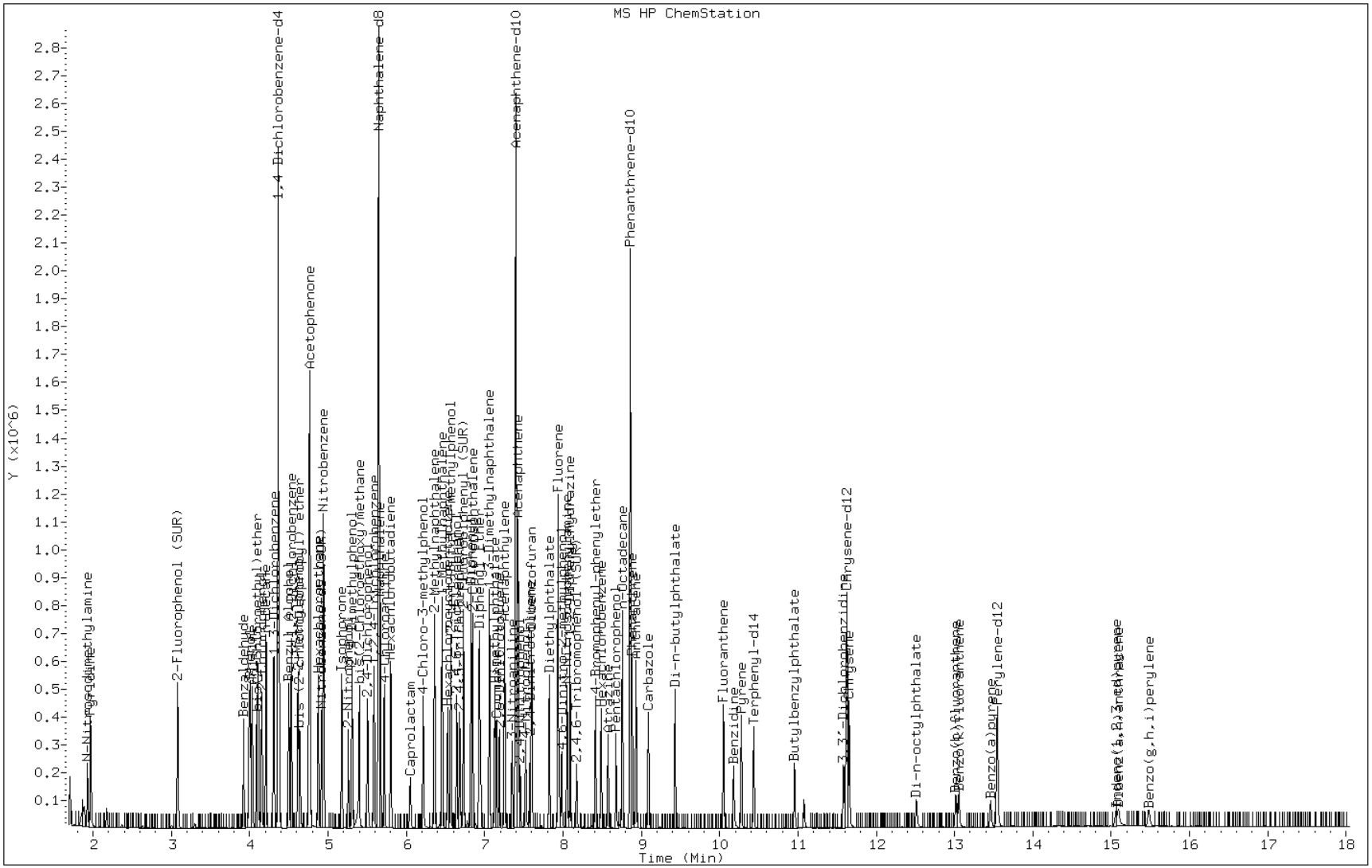
M - Compound response manually integrated.

Data File: z4015.d

Date: 21-SEP-2009 03:58

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154125 Operator: BNAMS 4



# Manual Integration Report

Data File: z4015.d
Inj. Date and Time: 21-SEP-2009 03:58
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

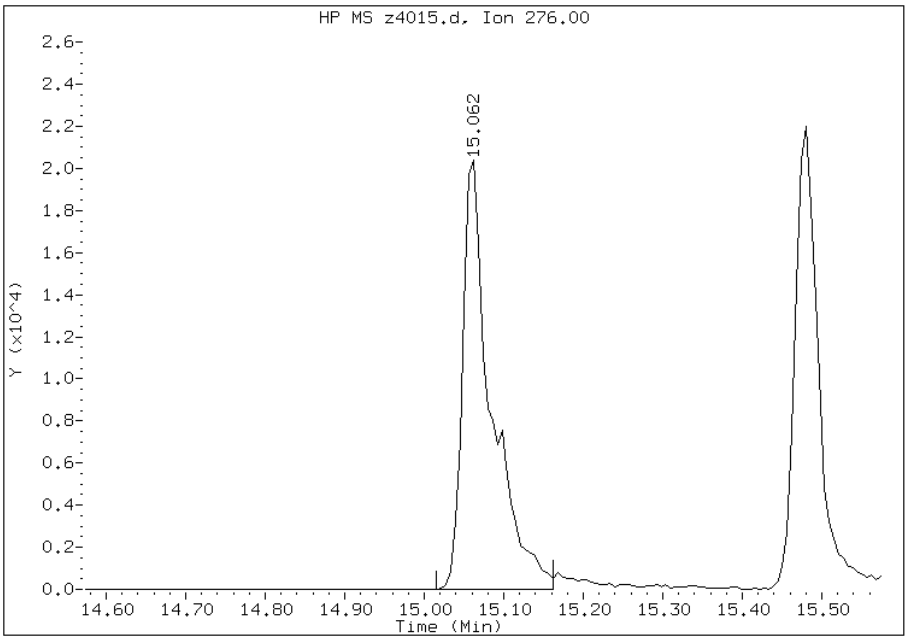
## Processing Integration Results

RT: 15.06

Response: 51949

Amount: 11

Conc: 11



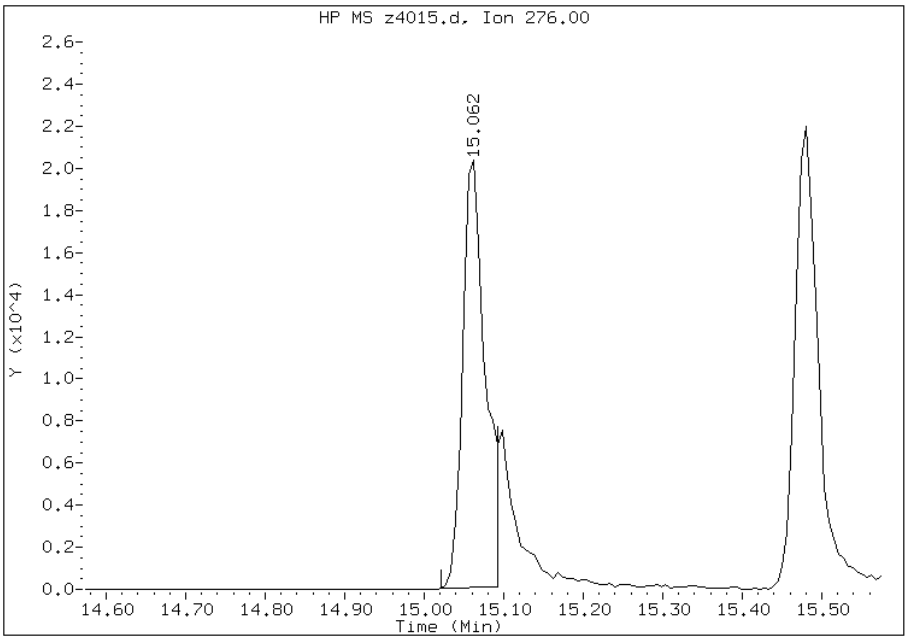

## Manual Integration Results

RT: 15.06

Response: 40510

Amount: 9

Conc: 9




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18089

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2009 11:03 Calibration End Date: 09/24/2009 13:07 Calibration ID: 3242

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-18089/6 | X2600.d |
| Level 2 | IC 460-18089/5 | X2599.d |
| Level 3 | ICIS 460-18089/2 | X2595.d |
| Level 4 | IC 460-18089/4 | X2598.d |
| Level 5 | IC 460-18089/3 | X2596.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,4-Dioxane | 0.6422 | 0.6087 | 0.5843 | 0.5559 | 0.5492 | Ave | | 0.6006 | | | | 7.7 | | 15.0 | | | |
| N-Nitrosodimethylamine | 0.8577 | 0.8189 | 0.8817 | 0.8461 | 0.8336 | Ave | | 0.8330 | | | | 5.0 | | 15.0 | | | |
| Pyridine | 1.6160 | 1.5313 | 1.6088 | 1.5181 | 1.4815 | Ave | | 1.5512 | | | | 3.4 | | 15.0 | | | |
| 2,3,7,8-TCDD | +++++ | +++++ | 0.2200 | +++++ | +++++ | Ave | | 0.2200 | | | | | | 15.0 | | | |
| Benzaldehyde | 0.3641 | 0.5435 | 0.3532 | 0.1441 | +++++ | Ave | | 0.3958 | | | | 43.7 | * | 15.0 | | | |
| Aniline | 2.1472 | 2.0789 | 2.1488 | 2.0169 | 1.9255 | Ave | | 2.0474 | | | | 4.6 | | 15.0 | | | |
| Phenol | 1.8834 | 1.8308 | 1.7255 | 1.5817 | 1.5864 | Ave | | 1.7380 | | | | 7.5 | | 30.0 | | | |
| Bis(2-chloroethyl)ether | 1.4309 | 1.3826 | 1.4508 | 1.4119 | 1.4461 | Ave | | 1.3937 | | | | 5.7 | | 15.0 | | | |
| 2-Chlorophenol | 1.4024 | 1.3567 | 1.2933 | 1.2201 | 1.1889 | Ave | | 1.3009 | | | | 6.4 | | 15.0 | | | |
| n-Decane | 2.0018 | 1.9757 | 2.0928 | 2.1482 | 2.2137 | Ave | | 2.0594 | | | | 5.4 | | 15.0 | | | |
| 1,3-Dichlorobenzene | 1.6249 | 1.5801 | 1.6953 | 1.6992 | 1.7320 | Ave | | 1.6563 | | | | 3.7 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.6458 | 1.5789 | 1.6873 | 1.6955 | 1.7453 | Ave | | 1.6577 | | | | 3.9 | | 30.0 | | | |
| Benzyl alcohol | 0.7812 | 0.7656 | 0.8069 | 0.7621 | 0.7253 | Ave | | 0.7562 | | | | 5.2 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.5108 | 1.4672 | 1.5669 | 1.5641 | 1.5790 | Ave | | 1.5339 | | | | 2.8 | | 15.0 | | | |
| 2-Methylphenol | 1.2218 | 1.1367 | 1.0821 | 1.0086 | 0.9943 | Ave | | 1.1040 | | | | 8.3 | | 15.0 | | | |
| 2,2'-oxybis[1-chloropropane] | 2.2486 | 2.1097 | 2.1763 | 2.0548 | 2.0390 | Ave | | 2.1453 | | | | 4.3 | | 15.0 | | | |
| Acetophenone | 1.7770 | 1.7351 | 1.6973 | 1.5645 | 1.6504 | Ave | | 1.6726 | | | | 4.7 | | 15.0 | | | |
| N-Nitrosodi-n-propylamine | 0.9526 | 0.8940 | 0.8848 | 0.7967 | +++++ | Ave | | 0.8694 | | | 0.0500 | 7.2 | | 15.0 | | | |
| 3 & 4 Methylphenol | 1.3048 | 1.2840 | 1.2148 | 1.0978 | 1.0711 | Ave | | 1.1863 | | | | 8.2 | | 15.0 | | | |
| 4-Methylphenol | 1.2728 | 1.2537 | 1.1947 | 1.0978 | 1.0711 | Ave | | 1.1704 | | | | 7.1 | | 15.0 | | | |
| Hexachloroethane | 0.6427 | 0.6179 | 0.6440 | 0.6536 | 0.6580 | Ave | | 0.6327 | | | | 4.6 | | 15.0 | | | |
| Nitrobenzene | 0.6077 | 0.6087 | 0.6341 | 0.6269 | 0.6447 | Ave | | 0.6180 | | | | 3.4 | | 15.0 | | | |
| n,n'-Dimethylaniline | 2.0366 | 1.9724 | 2.0233 | 1.9879 | 1.9994 | Ave | | 2.0322 | | | | 3.6 | | 15.0 | | | |
| Isophorone | 0.7007 | 0.6818 | 0.6868 | 0.6528 | 0.6334 | Ave | | 0.6706 | | | | 3.7 | | 15.0 | | | |
| 2-Nitrophenol | 0.1717 | 0.1692 | 0.1870 | 0.1825 | 0.1966 | Ave | | 0.1768 | | | | 8.5 | | 30.0 | | | |
| 2,4-Dimethylphenol | 0.3040 | 0.2901 | 0.2953 | 0.2846 | 0.2819 | Ave | | 0.2921 | | | | 2.8 | | 15.0 | | | |
| Bis(2-chloroethoxy)methane | 0.4060 | 0.3886 | 0.4211 | 0.4051 | 0.4086 | Ave | | 0.4018 | | | | 3.6 | | 15.0 | | | |
| Benzoic acid | 0.0205 | 0.0519 | 0.0620 | 0.0710 | 0.0814 | QuaF | | 17.592 | -22.01 | | | | | | 0.9982 | | 0.9900 |
| 2,4-Dichlorophenol | 0.2802 | 0.2661 | 0.2578 | 0.2546 | 0.2572 | Ave | | 0.2626 | | | | 3.6 | | 30.0 | | | |
| 1,2,4-Trichlorobenzene | 0.3217 | 0.3124 | 0.3281 | 0.3276 | 0.3419 | Ave | | 0.3242 | | | | 3.4 | | 15.0 | | | |
| Naphthalene | 1.0596 | 1.0493 | 1.1137 | 1.1196 | 1.0996 | Ave | | 1.0808 | | | | 3.2 | | 15.0 | | | |
| 4-Chloroaniline | 0.3738 | 0.3651 | 0.3548 | 0.3491 | 0.3367 | Ave | | 0.3535 | | | | 4.0 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18089

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2009 11:03 Calibration End Date: 09/24/2009 13:07 Calibration ID: 3242

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Hexachlorobutadiene | 0.1901 | 0.1831 | 0.2000 | 0.2014 | 0.2053 | Ave | | 0.1929 | | | | 5.8 | | 30.0 | | | |
| Caprolactam | 0.0583 | 0.0666 | 0.0566 | 0.0522 | 0.0524 | Ave | | 0.0553 | | | | 12.7 | | 15.0 | | | |
| 4-Chloro-3-methylphenol | 0.2705 | 0.2599 | 0.2410 | 0.2320 | 0.2263 | Ave | | 0.2478 | | | | 7.0 | | 30.0 | | | |
| 2-Methylnaphthalene | 0.6124 | 0.5945 | 0.6128 | 0.6074 | 0.6185 | Ave | | 0.6078 | | | | 1.4 | | 15.0 | | | |
| 1-Methylnaphthalene | 0.6274 | 0.5956 | 0.6058 | 0.6017 | 0.6182 | Ave | | 0.6056 | | | | 2.5 | | 15.0 | | | |
| Hexachlorocyclopentadiene | 0.3008 | 0.3425 | 0.4423 | 0.4705 | 0.5075 | QuaF | | 2.4849 | -0.344 | | 0.0500 | | | | 0.9990 | | 0.9900 |
| 2-tertbutyl-4-methylphenol | 0.4056 | 0.3908 | 0.3788 | 0.3702 | 0.3744 | Ave | | 0.3848 | | | | 3.4 | | 15.0 | | | |
| 2,4,6-Trichlorophenol | 0.3467 | 0.3485 | 0.3624 | 0.3667 | 0.3918 | Ave | | 0.3564 | | | | 6.5 | | 30.0 | | | |
| 2,4,5-Trichlorophenol | 0.3568 | 0.3610 | 0.3670 | 0.3711 | 0.3774 | Ave | | 0.3592 | | | | 5.5 | | 15.0 | | | |
| 1,1'-Biphenyl | 1.5070 | 1.4732 | 1.6455 | 1.6623 | 1.7504 | Ave | | 1.5814 | | | | 7.7 | | 15.0 | | | |
| 2-Chloronaphthalene | 1.1609 | 1.1493 | 1.2974 | 1.2998 | 1.3155 | Ave | | 1.2259 | | | | 7.1 | | 15.0 | | | |
| Phenyl ether | 0.8242 | 0.7914 | 0.8853 | 0.8928 | 0.9146 | Ave | | 0.8519 | | | | 6.1 | | 15.0 | | | |
| 2-Nitroaniline | 0.4532 | 0.4395 | 0.4664 | 0.3775 | 0.3493 | Ave | | 0.4158 | | | | 11.0 | | 15.0 | | | |
| 1,3-Dimethylnaphthalene | 0.8934 | 0.9256 | 1.0000 | 0.9940 | 1.1593 | Ave | | 0.9770 | | | | 10.4 | | 15.0 | | | |
| Coumarin | 0.3390 | 0.3247 | 0.3541 | 0.3475 | 0.3384 | Ave | | 0.3347 | | | | 5.3 | | 15.0 | | | |
| Dimethyl phthalate | 1.1501 | 1.0936 | 1.1521 | 1.1417 | 1.1106 | Ave | | 1.1237 | | | | 2.5 | | 15.0 | | | |
| 2,6-Dinitrotoluene | 0.2456 | 0.2413 | 0.2556 | 0.2543 | 0.2471 | Ave | | 0.2446 | | | | 4.7 | | 15.0 | | | |
| Acenaphthylene | 1.7416 | 1.7315 | 1.8614 | 1.8917 | 1.8891 | Ave | | 1.8014 | | | | 4.9 | | 15.0 | | | |
| 3-Nitroaniline | 0.2361 | 0.2435 | 0.2406 | 0.2449 | 0.2301 | Ave | | 0.2386 | | | | 2.3 | | 15.0 | | | |
| Acenaphthene | 1.0104 | 0.9799 | 1.0808 | 1.0695 | 1.0957 | Ave | | 1.0353 | | | | 5.1 | | 30.0 | | | |
| 3,5-di-tert-butyl-4-hydroxytol | 1.0404 | 0.9928 | 1.1166 | 1.1386 | 1.1913 | Ave | | 1.0756 | | | | 8.0 | | 15.0 | | | |
| 2,4-Dinitrophenol | 0.0519 | 0.0728 | 0.0826 | 0.0830 | 0.0920 | QuaF | | 14.108 | -11.92 | | 0.0500 | | | | 0.9954 | | 0.9900 |
| 4-Nitrophenol | 0.1405 | 0.1534 | 0.1501 | 0.1713 | 0.1777 | Ave | | 0.1601 | | | 0.0500 | 8.9 | | 15.0 | | | |
| Dibenzofuran | 1.5176 | 1.4867 | 1.5416 | 1.5310 | 1.5600 | Ave | | 1.5245 | | | | 1.7 | | 15.0 | | | |
| 2,4-Dinitrotoluene | 0.2985 | 0.2919 | 0.2980 | 0.3036 | 0.2910 | Ave | | 0.2987 | | | | 2.3 | | 15.0 | | | |
| Diethyl phthalate | 0.9961 | 0.9769 | 0.9927 | 1.0099 | 0.9799 | Ave | | 0.9939 | | | | 1.4 | | 15.0 | | | |
| Fluorene | 1.1742 | 1.1370 | 1.1567 | 1.1757 | 1.1757 | Ave | | 1.1572 | | | | 1.9 | | 15.0 | | | |
| 4-Chlorophenyl phenyl ether | 0.5708 | 0.5434 | 0.5589 | 0.5787 | 0.5719 | Ave | | 0.5625 | | | | 2.4 | | 15.0 | | | |
| 4-Nitroaniline | 0.1823 | 0.1716 | 0.1885 | 0.1912 | 0.1721 | Ave | | 0.1807 | | | | 4.5 | | 15.0 | | | |
| 4,6-Dinitro-2-methylphenol | 0.0979 | 0.1074 | 0.1174 | 0.1123 | 0.1271 | Ave | | 0.1089 | | | | 11.9 | | 15.0 | | | |
| N-Nitrosodiphenylamine | 0.5961 | 0.5888 | 0.6153 | 0.6539 | 0.7157 | Ave | | 0.6245 | | | | 8.3 | | 30.0 | | | |
| 1,2-Diphenylhydrazine | 1.2891 | 1.2822 | 1.3699 | 1.4098 | 1.4723 | Ave | | 1.3347 | | | | 7.7 | | 15.0 | | | |
| 4-Bromophenyl phenyl ether | 0.2263 | 0.2206 | 0.2408 | 0.2479 | 0.2598 | Ave | | 0.2341 | | | | 8.0 | | 15.0 | | | |
| Hexachlorobenzene | 0.2324 | 0.2258 | 0.2435 | 0.2450 | 0.2566 | Ave | | 0.2369 | | | | 5.9 | | 15.0 | | | |
| Atrazine | 0.2073 | 0.1966 | 0.2013 | 0.1992 | 0.2032 | Ave | | 0.2003 | | | | 2.3 | | 15.0 | | | |
| Pentachlorophenol | 0.1103 | 0.1169 | 0.1230 | 0.1285 | 0.1375 | Ave | | 0.1195 | | | | 11.0 | | 30.0 | | | |
| n-Octadecane | 0.7470 | 0.7399 | 0.8668 | 0.8862 | 0.9787 | LinF | | 0.9401 | | | | | | | 0.9917 | | 0.9900 |
| Phenanthrene | 1.1461 | 1.1076 | 1.1688 | 1.1646 | 1.2095 | Ave | | 1.1545 | | | | 3.0 | | 15.0 | | | |
| Anthracene | 1.1345 | 1.1129 | 1.1415 | 1.1910 | 1.1786 | Ave | | 1.1423 | | | | 3.2 | | 15.0 | | | |
| Carbazole | 0.9168 | 0.8821 | 0.9453 | 0.9577 | 0.9291 | Ave | | 0.9230 | | | | 3.0 | | 15.0 | | | |
| Di-n-butyl phthalate | 1.0921 | 1.1002 | 1.1944 | 1.2194 | 1.2404 | Ave | | 1.1450 | | | | 7.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18089

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2009 11:03 Calibration End Date: 09/24/2009 13:07 Calibration ID: 3242

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Fluoranthene | 0.9241 | 0.9145 | 0.9685 | 0.9703 | 0.9790 | Ave | | 0.9456 | | | | 3.2 | | 30.0 | | | |
| Benzidine | 0.1561 | 0.1563 | 0.0396 | 0.0275 | +++++ | Ave | | 0.0957 | | | | 64.3 | * | 15.0 | | | |
| Pyrene | 1.7348 | 1.6760 | 1.6902 | 1.5918 | 1.6144 | Ave | | 1.6512 | | | | 3.5 | | 15.0 | | | |
| Butyl benzyl phthalate | 0.5961 | 0.6411 | 0.6606 | 0.6491 | 0.6622 | Ave | | 0.6228 | | | | 8.4 | | 15.0 | | | |
| 3,3'-Dichlorobenzidine | 0.3000 | 0.3126 | 0.2711 | 0.2849 | 0.2690 | Ave | | 0.2882 | | | | 5.8 | | 15.0 | | | |
| Benzo[a]anthracene | 1.0571 | 1.0474 | 1.1061 | 1.0986 | 1.1310 | Ave | | 1.0927 | | | | 3.0 | | 15.0 | | | |
| Chrysene | 0.9843 | 1.0005 | 1.0167 | 0.9753 | 1.0049 | Ave | | 0.9957 | | | | 1.5 | | 15.0 | | | |
| Bis(2-ethylhexyl) phthalate | 0.7728 | 0.8094 | 0.8818 | 0.8810 | 0.9241 | Ave | | 0.8266 | | | | 10.4 | | 15.0 | | | |
| Di-n-octyl phthalate | 1.5565 | 1.6252 | 1.7590 | 1.7310 | 1.7830 | Ave | | 1.6173 | | | | 12.4 | | 30.0 | | | |
| Benzo[b]fluoranthene | 1.1644 | 1.1234 | 1.1406 | 1.2151 | 1.1965 | Ave | | 1.1057 | | | | 14.1 | | 15.0 | | | |
| Benzo[k]fluoranthene | 1.2650 | 1.1734 | 1.2929 | 1.2291 | 1.2608 | Ave | | 1.2463 | | | | 3.3 | | 15.0 | | | |
| Benzo[a]pyrene | 0.9057 | 0.9463 | 1.0333 | 1.0260 | 1.0473 | LinF | | 1.0381 | | | | | | | 0.9994 | | 0.9900 |
| Indeno[1,2,3-cd]pyrene | 0.6869 | 0.7381 | 0.9074 | 0.9131 | 0.9856 | LinF | | 0.9550 | | | | | | | 0.9942 | | 0.9900 |
| Dibenz(a,h)anthracene | 0.6754 | 0.8161 | 0.9494 | 0.9531 | 1.0041 | QuaF | | 1.1408 | -0.049 | | | | | | 0.9993 | | 0.9900 |
| Benzo[g,h,i]perylene | 0.7817 | 0.8425 | 0.9475 | 0.9705 | 0.9952 | Ave | | 0.8667 | | | | 14.9 | | 15.0 | | | |
| 2-Fluorophenol | 1.2235 | 1.2627 | 1.3476 | 1.1804 | 1.1746 | Ave | | 1.2283 | | | | 5.5 | | 15.0 | | | |
| Phenol-d5 | 1.6812 | 1.6134 | 1.5931 | 1.4272 | 1.3792 | Ave | | 1.5459 | | | | 7.6 | | 15.0 | | | |
| Nitrobenzene-d5 | 0.4325 | 0.4222 | 0.4457 | 0.4522 | 0.4675 | Ave | | 0.4332 | | | | 7.1 | | 15.0 | | | |
| 2-Fluorobiphenyl | 1.3688 | 1.3367 | 1.5518 | 1.5988 | 1.6726 | Ave | | 1.4629 | | | | 11.5 | | 15.0 | | | |
| 2,4,6-Tribromophenol | 0.1242 | 0.1152 | 0.1186 | 0.1206 | 0.1152 | Ave | | 0.1178 | | | | 3.5 | | 15.0 | | | |
| Terphenyl-d14 | 1.0851 | 1.0507 | 1.1333 | 1.0889 | 1.1601 | Ave | | 1.0806 | | | | 6.3 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18089

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2009 11:03 Calibration End Date: 09/24/2009 13:07 Calibration ID: 3242

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-18089/6 | X2600.d |
| Level 2 | IC 460-18089/5 | X2599.d |
| Level 3 | ICIS 460-18089/2 | X2595.d |
| Level 4 | IC 460-18089/4 | X2598.d |
| Level 5 | IC 460-18089/3 | X2596.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,4-Dioxane | DCB | Ave | 150951 | 260759 | 615842 | 845877 | 1354949 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| N-Nitrosodimethylamine | DCB | Ave | 201619 | 350788 | 929412 | 1287518 | 2056859 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Pyridine | DCB | Ave | 379860 | 655959 | 1695777 | 2310116 | 3655288 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2,3,7,8-TCDD | CRY | Ave | +++++ | +++++ | 1853 | +++++ | +++++ | +++++ | +++++ | 0.500 | +++++ | +++++ |
| Benzaldehyde | DCB | Ave | 85591 | 232823 | 372290 | 219355 | +++++ | 10.0 | 20.0 | 50.0 | 80.0 | +++++ |
| Aniline | DCB | Ave | 504738 | 890531 | 2265008 | 3069274 | 4750700 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Phenol | DCB | Ave | 442726 | 784239 | 1818797 | 2406990 | 3914012 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Bis(2-chloroethyl)ether | DCB | Ave | 336351 | 592255 | 1529260 | 2148576 | 3568027 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2-Chlorophenol | DCB | Ave | 329649 | 581157 | 1363209 | 1856705 | 2933253 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| n-Decane | DCB | Ave | 470555 | 846326 | 2205971 | 3268952 | 5461782 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 1,3-Dichlorobenzene | DCB | Ave | 381960 | 676856 | 1786939 | 2585737 | 4273365 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 1,4-Dichlorobenzene | DCB | Ave | 386866 | 676373 | 1778491 | 2580071 | 4306271 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Benzyl alcohol | DCB | Ave | 183629 | 327941 | 850556 | 1159718 | 1789508 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 1,2-Dichlorobenzene | DCB | Ave | 355129 | 628515 | 1651565 | 2380127 | 3895785 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2-Methylphenol | DCB | Ave | 287204 | 486929 | 1140609 | 1534850 | 2453242 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2,2'-oxybis[1-chloropropane] | DCB | Ave | 528557 | 903732 | 2293951 | 3126943 | 5030723 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Acetophenone | DCB | Ave | 417703 | 743255 | 1789100 | 2380729 | 4071984 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| N-Nitrosodi-n-propylamine | DCB | Ave | 223912 | 382953 | 932584 | 1212350 | +++++ | 10.0 | 20.0 | 50.0 | 80.0 | +++++ |
| 3 & 4 Methylphenol | DCB | Ave | 306716 | 550006 | 1280439 | 1670589 | 2642607 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 4-Methylphenol | DCB | Ave | 299188 | 537046 | 1259329 | 1670589 | 2642607 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Hexachloroethane | DCB | Ave | 151082 | 264686 | 678823 | 994669 | 1623361 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Nitrobenzene | NPT | Ave | 494288 | 873442 | 2149385 | 2962920 | 4792308 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| n,n'-Dimethylaniline | DCB | Ave | 478722 | 844911 | 2132625 | 3025023 | 4933030 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Isophorone | NPT | Ave | 569930 | 978242 | 2327941 | 3085506 | 4708008 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2-Nitrophenol | NPT | Ave | 139631 | 242724 | 633907 | 862713 | 1461363 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2,4-Dimethylphenol | NPT | Ave | 247273 | 416203 | 1000884 | 1345090 | 2095284 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Bis(2-chloroethoxy)methane | NPT | Ave | 330260 | 557610 | 1427329 | 1914948 | 3036829 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Benzoic acid | NPT | QuaF | 16700 | 74441 | 210159 | 335650 | 605339 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2,4-Dichlorophenol | NPT | Ave | 227920 | 381763 | 873928 | 1203412 | 1911531 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 1,2,4-Trichlorobenzene | NPT | Ave | 261667 | 448301 | 1112189 | 1548275 | 2541146 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Naphthalene | NPT | Ave | 861819 | 1505529 | 3775150 | 5291829 | 8173063 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 4-Chloroaniline | NPT | Ave | 304033 | 523813 | 1202701 | 1650287 | 2502776 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Hexachlorobutadiene | NPT | Ave | 154641 | 262700 | 677862 | 952142 | 1526125 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Caprolactam | NPT | Ave | 47382 | 95550 | 191849 | 246585 | 389610 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18089

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2009 11:03 Calibration End Date: 09/24/2009 13:07 Calibration ID: 3242

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 4-Chloro-3-methylphenol | NPT | Ave | 220054 | 372897 | 817040 | 1096722 | 1682023 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2-Methylnaphthalene | NPT | Ave | 498112 | 852999 | 2077203 | 2870947 | 4597685 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 1-Methylnaphthalene | NPT | Ave | 510315 | 854620 | 2053292 | 2843868 | 4595125 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Hexachlorocyclopentadiene | ANT | QuaF | 117288 | 230391 | 619785 | 896345 | 1477077 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2-tertbutyl-4-methylphenol | NPT | Ave | 329868 | 560807 | 1283848 | 1749691 | 2782577 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2,4,6-Trichlorophenol | ANT | Ave | 135207 | 234395 | 507811 | 698533 | 1140548 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2,4,5-Trichlorophenol | ANT | Ave | 139135 | 242828 | 514256 | 706997 | 1098639 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 1,1'-Biphenyl | ANT | Ave | 587673 | 990946 | 2305863 | 3166596 | 5095070 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2-Chloronaphthalene | ANT | Ave | 452726 | 773074 | 1818093 | 2476091 | 3829148 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Phenyl ether | ANT | Ave | 321411 | 532324 | 1240628 | 1700688 | 2662316 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2-Nitroaniline | ANT | Ave | 176729 | 295626 | 653510 | 719119 | 1016789 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 1,3-Dimethylnaphthalene | ANT | Ave | 348386 | 622609 | 1401343 | 1893514 | 3374582 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Coumarin | ANT | Ave | 132191 | 218431 | 496270 | 662003 | 984871 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Dimethyl phthalate | ANT | Ave | 448506 | 735600 | 1614455 | 2174873 | 3232689 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2,6-Dinitrotoluene | ANT | Ave | 95768 | 162323 | 358185 | 484353 | 719383 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Acenaphthylene | ANT | Ave | 679170 | 1164710 | 2608413 | 3603648 | 5498831 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 3-Nitroaniline | ANT | Ave | 92066 | 163782 | 337196 | 466480 | 669626 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Acenaphthene | ANT | Ave | 394024 | 659132 | 1514487 | 2037351 | 3189447 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 3,5-di-tert-butyl-4-hydroxytol | ANT | Ave | 405728 | 667856 | 1564758 | 2168947 | 3467567 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2,4-Dinitrophenol | ANT | QuaF | 40499 | 73450 | 115797 | 158156 | 267882 | 20.0 | 30.0 | 50.0 | 80.0 | 120 |
| 4-Nitrophenol | ANT | Ave | 109572 | 154809 | 210325 | 326236 | 517362 | 20.0 | 30.0 | 50.0 | 80.0 | 120 |
| Dibenzofuran | ANT | Ave | 591803 | 1000090 | 2160263 | 2916440 | 4540745 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2,4-Dinitrotoluene | ANT | Ave | 116419 | 196321 | 417633 | 578294 | 846984 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Diethyl phthalate | ANT | Ave | 388459 | 657125 | 1391099 | 1923801 | 2852231 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Fluorene | ANT | Ave | 457900 | 764847 | 1620936 | 2239771 | 3422281 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 4-Chlorophenyl phenyl ether | ANT | Ave | 222609 | 365506 | 783244 | 1102405 | 1664667 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 4-Nitroaniline | ANT | Ave | 71093 | 115435 | 264206 | 364205 | 500858 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 4,6-Dinitro-2-methylphenol | PHN | Ave | 87242 | 121742 | 175635 | 227455 | 367883 | 20.0 | 30.0 | 50.0 | 80.0 | 120 |
| N-Nitrosodiphenylamine | PHN | Ave | 265702 | 445006 | 920121 | 1324113 | 2070939 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 1,2-Diphenylhydrazine | PHN | Ave | 574596 | 969047 | 2048692 | 2854837 | 4260290 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 4-Bromophenyl phenyl ether | PHN | Ave | 100859 | 166757 | 360068 | 501901 | 751831 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Hexachlorobenzene | PHN | Ave | 103578 | 170666 | 364144 | 496062 | 742658 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Atrazine | PHN | Ave | 92383 | 148564 | 301014 | 403467 | 587982 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Pentachlorophenol | PHN | Ave | 98331 | 132471 | 183948 | 260214 | 397930 | 20.0 | 30.0 | 50.0 | 80.0 | 120 |
| n-Octadecane | PHN | LinF | 332961 | 559174 | 1296249 | 1794416 | 2832068 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Phenanthrene | PHN | Ave | 510851 | 837108 | 1747884 | 2358161 | 3499918 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Anthracene | PHN | Ave | 505693 | 841116 | 1707002 | 2411726 | 3410504 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Carbazole | PHN | Ave | 408658 | 666646 | 1413726 | 1939366 | 2688429 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Di-n-butyl phthalate | PHN | Ave | 486791 | 831453 | 1786142 | 2469311 | 3589284 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Fluoranthene | PHN | Ave | 411898 | 691153 | 1448370 | 1964876 | 2833035 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Benzidine | PHN | Ave | 139180 | 177187 | 59169 | 55704 | +++++ | 20.0 | 30.0 | 50.0 | 80.0 | +++++ |
| Pyrene | CRY | Ave | 406674 | 676979 | 1423729 | 1942849 | 2663853 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Butyl benzyl phthalate | CRY | Ave | 139732 | 258968 | 556442 | 792281 | 1092717 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18089

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/24/2009 11:03 Calibration End Date: 09/24/2009 13:07 Calibration ID: 3242

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 3,3'-Dichlorobenzidine | CRY | Ave | 140645 | 189426 | 228373 | 347731 | 443888 | 20.0 | 30.0 | 50.0 | 80.0 | 120 |
| Benzo[a]anthracene | CRY | Ave | 247808 | 423070 | 931708 | 1340940 | 1866233 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Chrysene | CRY | Ave | 230742 | 404135 | 856457 | 1190435 | 1658239 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Bis(2-ethylhexyl) phthalate | CRY | Ave | 181159 | 326949 | 742776 | 1075327 | 1524936 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Di-n-octyl phthalate | PRY | Ave | 231452 | 441539 | 1049133 | 1554656 | 2188253 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Benzo[b]fluoranthene | PRY | Ave | 173150 | 305218 | 680293 | 1091256 | 1468440 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Benzo[k]fluoranthene | PRY | Ave | 188110 | 318798 | 771158 | 1103863 | 1547403 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Benzo[a]pyrene | PRY | LinF | 134686 | 257089 | 616288 | 921509 | 1285344 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Indeno[1,2,3-cd]pyrene | PRY | LinF | 102136 | 200532 | 541240 | 820114 | 1209618 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Dibenz(a,h)anthracene | PRY | QuaF | 100426 | 221725 | 566292 | 855991 | 1232298 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Benzo[g,h,i]perylene | PRY | Ave | 116244 | 228899 | 565115 | 871607 | 1221439 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2-Fluorophenol | DCB | Ave | 287608 | 540917 | 1420489 | 1796261 | 2898017 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Phenol-d5 | DCB | Ave | 395185 | 691140 | 1679221 | 2171911 | 3402799 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Nitrobenzene-d5 | NPT | Ave | 351792 | 605830 | 1510920 | 2137229 | 3474699 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2-Fluorobiphenyl | ANT | Ave | 533778 | 899145 | 2174509 | 3045700 | 4868566 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| 2,4,6-Tribromophenol | ANT | Ave | 48450 | 77459 | 166244 | 229760 | 335414 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |
| Terphenyl-d14 | CRY | Ave | 254383 | 424404 | 954666 | 1329055 | 1914331 | 10.0 | 20.0 | 50.0 | 80.0 | 120 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2595.d
Report Date: 24-Sep-2009 14:15

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2595.d
Lab Smp Id: ICIS-210292
Inj Date : 24-SEP-2009 11:03
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : ICIS-210292
Misc Info : 50 ppm bna 4407
Comment :
Method : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/8270C_08SP.m
Meth Date : 24-Sep-2009 14:15 croccom Quant Type: ISTD
Cal Date : 24-SEP-2009 11:03 Cal File: X2595.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.143 | 1.143 | (0.315) | 615842 | 50.0000 | 49 |
| | 19 N-Nitrosodimethylamine | 74 | 1.343 | 1.343 | (0.370) | 929412 | 50.0000 | 53 |
| | 71 Pyridine | 79 | 1.360 | 1.360 | (0.375) | 1695777 | 50.0000 | 52 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.378 | 2.378 | (0.656) | 1420489 | 50.0000 | 55 |
| | 110 Benzaldehyde | 77 | 3.172 | 3.172 | (0.875) | 372290 | 50.0000 | 45 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.290 | 3.290 | (0.908) | 1679221 | 50.0000 | 52 |
| | 1 Phenol | 94 | 3.307 | 3.307 | (0.912) | 1818797 | 50.0000 | 50 |
| | 73 Aniline | 93 | 3.290 | 3.290 | (0.908) | 2265008 | 50.0000 | 52 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.372 | 3.372 | (0.930) | 1529260 | 50.0000 | 52 |
| | 2 2-Chlorophenol | 128 | 3.413 | 3.413 | (0.942) | 1363209 | 50.0000 | 50 |
| | 113 n-decane | 43 | 3.490 | 3.490 | (0.963) | 2205971 | 50.0000 | 51 |
| | 21 1,3-Dichlorobenzene | 146 | 3.566 | 3.566 | (0.984) | 1786939 | 50.0000 | 51 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.625 | 3.625 | (1.000) | 843246 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.643 | 3.643 | (1.005) | 1778491 | 50.0000 | 51 |
| | 74 Benzyl Alcohol | 108 | 3.790 | 3.790 | (1.045) | 850556 | 50.0000 | 53 |

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2595.d
Report Date: 24-Sep-2009 14:15

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 23 1,2-Dichlorobenzene | 146 | 3.795 | 3.795 | (1.047) | 1651565 | 50.0000 | 51 |
| | 3 2-Methylphenol | 108 | 3.925 | 3.925 | (1.083) | 1140609 | 50.0000 | 49 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 3.925 | 3.925 | (1.083) | 2293951 | 50.0000 | 51 |
| | 4 4-Methylphenol | 108 | 4.084 | 4.084 | (1.127) | 1259329 | 50.0000 | 51 |
| | 124 3 & 4 Methylphenol | 108 | 4.084 | 4.084 | (1.127) | 1280439 | 50.0000 | 51(A) |
| | 104 Acetophenone | 105 | 4.054 | 4.054 | (1.118) | 1789100 | 50.0000 | 51 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.072 | 4.072 | (1.123) | 932584 | 50.0000 | 51 |
| | 26 Hexachloroethane | 117 | 4.137 | 4.137 | (1.141) | 678823 | 50.0000 | 51 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.201 | 4.201 | (0.854) | 1510920 | 50.0000 | 51 |
| | 27 Nitrobenzene | 77 | 4.225 | 4.225 | (0.859) | 2149385 | 50.0000 | 51 |
| | 107 N,N-Dimethylaniline | 120 | 4.231 | 4.231 | (1.167) | 2132625 | 50.0000 | 50 |
| | 28 Isophorone | 82 | 4.466 | 4.466 | (0.908) | 2327941 | 50.0000 | 51 |
| | 5 2-Nitrophenol | 139 | 4.543 | 4.543 | (0.923) | 633907 | 50.0000 | 53 |
| | 6 2,4-Dimethylphenol | 122 | 4.619 | 4.619 | (0.939) | 1000884 | 50.0000 | 50 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 4.707 | 4.707 | (0.957) | 1427329 | 50.0000 | 52 |
| | 15 Benzoic Acid | 122 | 4.760 | 4.760 | (0.968) | 210159 | 50.0000 | 49 |
| | 7 2,4-Dichlorophenol | 162 | 4.795 | 4.795 | (0.975) | 873928 | 50.0000 | 49 |
| | 30 1,2,4-Trichlorobenzene | 180 | 4.872 | 4.872 | (0.990) | 1112189 | 50.0000 | 51 |
| * | 80 Naphthalene-d8 | 136 | 4.919 | 4.919 | (1.000) | 2711731 | 40.0000 | |
| | 31 Naphthalene | 128 | 4.942 | 4.942 | (1.005) | 3775150 | 50.0000 | 52 |
| | 32 4-Chloroaniline | 127 | 5.013 | 5.013 | (1.019) | 1202701 | 50.0000 | 50 |
| | 33 Hexachlorobutadiene | 225 | 5.090 | 5.090 | (1.035) | 677862 | 50.0000 | 52 |
| | 111 Caprolactam | 113 | 5.384 | 5.384 | (1.094) | 191849 | 50.0000 | 51 |
| | 8 4-Chloro-3-methylphenol | 107 | 5.537 | 5.537 | (1.126) | 817040 | 50.0000 | 49 |
| | 34 2-Methylnaphthalene | 142 | 5.642 | 5.642 | (1.147) | 2077203 | 50.0000 | 50 |
| | 120 1-Methylnaphthalene | 142 | 5.737 | 5.737 | (1.166) | 2053292 | 50.0000 | 50 |
| | 35 Hexachlorocyclopentadiene | 237 | 5.813 | 5.813 | (0.872) | 619785 | 50.0000 | 51 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 5.884 | 5.884 | (1.196) | 1283848 | 50.0000 | 49 |
| | 9 2,4,6-Trichlorophenol | 196 | 5.937 | 5.937 | (0.891) | 507811 | 50.0000 | 51 |
| | 10 2,4,5-Trichlorophenol | 196 | 5.978 | 5.978 | (0.897) | 514256 | 50.0000 | 51 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.019 | 6.019 | (0.903) | 2174509 | 50.0000 | 53 |
| | 102 Diphenyl | 154 | 6.113 | 6.113 | (0.917) | 2305863 | 50.0000 | 52 |
| | 36 2-Chloronaphthalene | 162 | 6.119 | 6.119 | (0.918) | 1818093 | 50.0000 | 53 |
| | 103 Diphenyl Ether | 170 | 6.219 | 6.219 | (0.933) | 1240628 | 50.0000 | 52 |
| | 37 2-Nitroaniline | 65 | 6.237 | 6.237 | (0.936) | 653510 | 50.0000 | 56 |
| | 123 1,3-Dimethylnaphthalene | 156 | 6.342 | 6.342 | (0.951) | 1401343 | 50.0000 | 51 |
| | 38 Dimethylphthalate | 163 | 6.436 | 6.436 | (0.966) | 1614455 | 50.0000 | 51 |
| | 114 Coumarin | 146 | 6.431 | 6.431 | (0.965) | 496270 | 50.0000 | 53 |
| | 40 2,6-Dinitrotoluene | 165 | 6.484 | 6.484 | (0.973) | 358185 | 50.0000 | 52 |
| | 39 Acenaphthylene | 152 | 6.525 | 6.525 | (0.979) | 2608413 | 50.0000 | 52 |
| | 41 3-Nitroaniline | 138 | 6.648 | 6.648 | (0.997) | 337196 | 50.0000 | 50 |
| * | 82 Acenaphthene-d10 | 164 | 6.666 | 6.666 | (1.000) | 1121042 | 40.0000 | |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 6.725 | 6.725 | (1.009) | 1564758 | 50.0000 | 52 |
| | 42 Acenaphthene | 154 | 6.701 | 6.701 | (1.005) | 1514487 | 50.0000 | 52 |
| | 11 2,4-Dinitrophenol | 184 | 6.748 | 6.748 | (1.012) | 115797 | 50.0000 | 53 |
| | 12 4-Nitrophenol | 65 | 6.842 | 6.842 | (1.026) | 210325 | 50.0000 | 47 |
| | 44 2,4-Dinitrotoluene | 165 | 6.878 | 6.878 | (1.032) | 417633 | 50.0000 | 50 |

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2595.d
Report Date: 24-Sep-2009 14:15

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 Dibenzofuran | 168 | 6.872 | 6.872 | (1.031) | 2160263 | 50.0000 | 50 |
| | 45 Diethylphthalate | 149 | 7.136 | 7.136 | (1.071) | 1391099 | 50.0000 | 50 |
| | 47 Fluorene | 166 | 7.207 | 7.207 | (1.081) | 1620936 | 50.0000 | 50 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.219 | 7.219 | (1.083) | 783244 | 50.0000 | 50 |
| | 48 4-Nitroaniline | 138 | 7.242 | 7.242 | (1.086) | 264206 | 50.0000 | 52 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.272 | 7.272 | (0.896) | 175635 | 50.0000 | 54 |
| | 49 N-Nitrosodiphenylamine | 169 | 7.342 | 7.342 | (0.905) | 920121 | 50.0000 | 49 |
| | 75 1,2-Diphenylhydrazine | 77 | 7.372 | 7.372 | (0.909) | 2048692 | 50.0000 | 51 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.442 | 7.442 | (1.116) | 166244 | 50.0000 | 50 |
| | 50 4-Bromophenyl-phenylether | 248 | 7.695 | 7.695 | (0.949) | 360068 | 50.0000 | 51 |
| | 51 Hexachlorobenzene | 284 | 7.748 | 7.748 | (0.955) | 364144 | 50.0000 | 51 |
| | 112 Atrazine | 200 | 7.883 | 7.883 | (0.972) | 301014 | 50.0000 | 50 |
| | 14 Pentachlorophenol | 266 | 7.948 | 7.948 | (0.980) | 183948 | 50.0000 | 51 |
| | 115 n-Octadecane | 57 | 8.072 | 8.072 | (0.995) | 1296249 | 50.0000 | 46 |
| * | 83 Phenanthrene-d10 | 188 | 8.113 | 8.113 | (1.000) | 1196364 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.136 | 8.136 | (1.003) | 1747884 | 50.0000 | 51 |
| | 53 Anthracene | 178 | 8.183 | 8.183 | (1.009) | 1707002 | 50.0000 | 50 |
| | 54 Carbazole | 167 | 8.354 | 8.354 | (1.030) | 1413726 | 50.0000 | 51 |
| | 55 Di-n-butylphthalate | 149 | 8.730 | 8.730 | (1.076) | 1786142 | 50.0000 | 52 |
| | 56 Fluoranthene | 202 | 9.295 | 9.295 | (1.146) | 1448370 | 50.0000 | 51 |
| | 58 Benzidine | 184 | 9.448 | 9.448 | (1.165) | 59169 | 50.0000 | 21 |
| | 57 Pyrene | 202 | 9.507 | 9.507 | (0.886) | 1423729 | 50.0000 | 51 |
| $ | 78 Terphenyl-d14 | 244 | 9.689 | 9.689 | (0.903) | 954666 | 50.0000 | 52 |
| | 59 Butylbenzylphthalate | 149 | 10.189 | 10.189 | (0.950) | 556442 | 50.0000 | 53 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 10.260 | 10.260 | (0.956) | 1853 | 0.50000 | 0.50 |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.719 | 10.719 | (0.999) | 228373 | 50.0000 | 47 |
| | 61 Benzo(a)anthracene | 228 | 10.719 | 10.719 | (0.999) | 931708 | 50.0000 | 51 |
| * | 81 Chrysene-d12 | 240 | 10.730 | 10.730 | (1.000) | 673880 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.824 | 10.824 | (1.009) | 742776 | 50.0000 | 53 |
| | 62 Chrysene | 228 | 10.760 | 10.760 | (1.003) | 856457 | 50.0000 | 51 |
| | 64 Di-n-octylphthalate | 149 | 11.589 | 11.589 | (0.931) | 1049133 | 50.0000 | 54 |
| | 65 Benzo(b)fluoranthene | 252 | 11.971 | 11.971 | (0.962) | 680293 | 50.0000 | 52 |
| | 66 Benzo(k)fluoranthene | 252 | 12.007 | 12.007 | (0.965) | 771158 | 50.0000 | 52 |
| | 67 Benzo(a)pyrene | 252 | 12.371 | 12.371 | (0.994) | 616288 | 50.0000 | 50 |
| * | 84 Perylene-d12 | 264 | 12.448 | 12.448 | (1.000) | 477158 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.789 | 13.789 | (1.108) | 541240 | 50.0000 | 48 |
| | 69 Dibenz(a,h)anthracene | 278 | 13.824 | 13.824 | (1.111) | 566292 | 50.0000 | 51 |
| | 70 Benzo(g,h,i)perylene | 276 | 14.112 | 14.112 | (1.134) | 565115 | 50.0000 | 55 |

QC Flag Legend

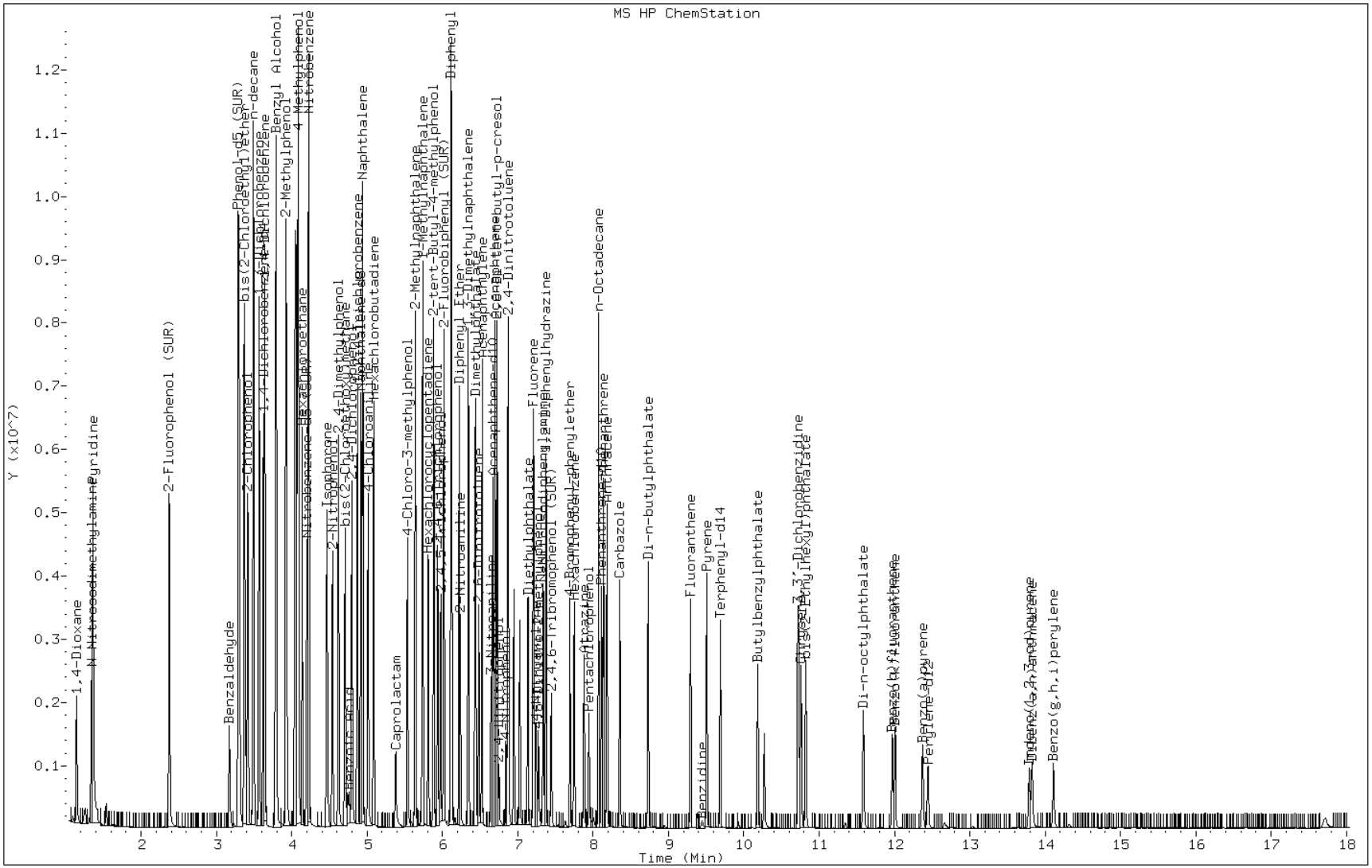
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: X2595.d

Date: 24-SEP-2009 11:03

Client ID: Instrument: BNAMS5.i

Sample Info: ICIS-210292 Operator: BNAMS 4



Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2596.d
Report Date: 24-Sep-2009 14:15

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2596.d
Lab Smp Id: IC-210298
Inj Date : 24-SEP-2009 11:28
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-210298
Misc Info : 120 ppm BNA 4407
Comment :
Method : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/8270C_08SP.m
Meth Date : 24-Sep-2009 14:15 croccom Quant Type: ISTD
Cal Date : 24-SEP-2009 11:03 Cal File: X2595.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.219 | 1.219 | (0.335) | 1354949 | 120.000 | 110(H) |
| | 19 N-Nitrosodimethylamine | 74 | 1.478 | 1.478 | (0.406) | 2056859 | 120.000 | 120(AMH) |
| | 71 Pyridine | 79 | 1.502 | 1.502 | (0.413) | 3655288 | 120.000 | 110(MH) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.443 | 2.443 | (0.672) | 2898017 | 120.000 | 110 |
| | 110 Benzaldehyde | 77 | 3.202 | 3.202 | (0.880) | 136856 | 120.000 | 17(H) |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.325 | 3.325 | (0.914) | 3402799 | 120.000 | 110 |
| | 1 Phenol | 94 | 3.337 | 3.337 | (0.918) | 3914012 | 120.000 | 110 |
| | 73 Aniline | 93 | 3.319 | 3.319 | (0.913) | 4750700 | 120.000 | 110 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.402 | 3.402 | (0.935) | 3568027 | 120.000 | 120(A) |
| | 2 2-Chlorophenol | 128 | 3.443 | 3.443 | (0.947) | 2933253 | 120.000 | 110 |
| | 113 n-decane | 43 | 3.502 | 3.502 | (0.963) | 5461782 | 120.000 | 130(A) |
| | 21 1,3-Dichlorobenzene | 146 | 3.584 | 3.584 | (0.985) | 4273365 | 120.000 | 120(A) |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.637 | 3.637 | (1.000) | 822432 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.654 | 3.654 | (1.005) | 4306271 | 120.000 | 130(A) |
| | 74 Benzyl Alcohol | 108 | 3.807 | 3.807 | (1.047) | 1789508 | 120.000 | 120 |

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2596.d
Report Date: 24-Sep-2009 14:15

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 23 1,2-Dichlorobenzene | 146 | 3.807 | 3.807 | (1.047) | 3895785 | 120.000 | 120(A) |
| | 3 2-Methylphenol | 108 | 3.943 | 3.943 | (1.084) | 2453242 | 120.000 | 110 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 3.937 | 3.937 | (1.082) | 5030723 | 120.000 | 110 |
| | 4 4-Methylphenol | 108 | 4.107 | 4.107 | (1.129) | 2642607 | 120.000 | 110 |
| | 124 3 & 4 Methylphenol | 108 | 4.107 | 4.107 | (1.129) | 2642607 | 120.000 | 110(A) |
| | 104 Acetophenone | 105 | 4.078 | 4.078 | (1.121) | 4071984 | 120.000 | 120 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.096 | 4.096 | (1.126) | 2039549 | 120.000 | 110(MH) |
| | 26 Hexachloroethane | 117 | 4.143 | 4.143 | (1.139) | 1623361 | 120.000 | 120(A) |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.219 | 4.219 | (0.857) | 3474699 | 120.000 | 130(A) |
| | 27 Nitrobenzene | 77 | 4.243 | 4.243 | (0.861) | 4792308 | 120.000 | 120(A) |
| | 107 N,N-Dimethylaniline | 120 | 4.249 | 4.249 | (1.168) | 4933030 | 120.000 | 120 |
| | 28 Isophorone | 82 | 4.484 | 4.484 | (0.910) | 4708008 | 120.000 | 110 |
| | 5 2-Nitrophenol | 139 | 4.554 | 4.554 | (0.925) | 1461363 | 120.000 | 130(A) |
| | 6 2,4-Dimethylphenol | 122 | 4.637 | 4.637 | (0.941) | 2095284 | 120.000 | 120 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 4.719 | 4.719 | (0.958) | 3036829 | 120.000 | 120(A) |
| | 15 Benzoic Acid | 122 | 4.813 | 4.813 | (0.977) | 605339 | 120.000 | 120 |
| | 7 2,4-Dichlorophenol | 162 | 4.807 | 4.807 | (0.976) | 1911531 | 120.000 | 120 |
| | 30 1,2,4-Trichlorobenzene | 180 | 4.878 | 4.878 | (0.990) | 2541146 | 120.000 | 130(A) |
| * | 80 Naphthalene-d8 | 136 | 4.925 | 4.925 | (1.000) | 2477683 | 40.0000 | |
| | 31 Naphthalene | 128 | 4.948 | 4.948 | (1.005) | 8173063 | 120.000 | 120(A) |
| | 32 4-Chloroaniline | 127 | 5.019 | 5.019 | (1.019) | 2502776 | 120.000 | 110 |
| | 33 Hexachlorobutadiene | 225 | 5.090 | 5.090 | (1.033) | 1526125 | 120.000 | 130(A) |
| | 111 Caprolactam | 113 | 5.431 | 5.431 | (1.103) | 389610 | 120.000 | 110(MH) |
| | 8 4-Chloro-3-methylphenol | 107 | 5.548 | 5.548 | (1.127) | 1682023 | 120.000 | 110 |
| | 34 2-Methylnaphthalene | 142 | 5.643 | 5.643 | (1.146) | 4597685 | 120.000 | 120(A) |
| | 120 1-Methylnaphthalene | 142 | 5.743 | 5.743 | (1.166) | 4595125 | 120.000 | 120(A) |
| | 35 Hexachlorocyclopentadiene | 237 | 5.813 | 5.813 | (0.871) | 1477077 | 120.000 | 120 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 5.890 | 5.890 | (1.196) | 2782577 | 120.000 | 120 |
| | 9 2,4,6-Trichlorophenol | 196 | 5.943 | 5.943 | (0.891) | 1140548 | 120.000 | 130(A) |
| | 10 2,4,5-Trichlorophenol | 196 | 5.990 | 5.990 | (0.898) | 1098639 | 120.000 | 130(A) |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.025 | 6.025 | (0.903) | 4868566 | 120.000 | 140(A) |
| | 102 Diphenyl | 154 | 6.119 | 6.119 | (0.917) | 5095070 | 120.000 | 130(A) |
| | 36 2-Chloronaphthalene | 162 | 6.131 | 6.131 | (0.919) | 3829148 | 120.000 | 130(A) |
| | 103 Diphenyl Ether | 170 | 6.225 | 6.225 | (0.933) | 2662316 | 120.000 | 130(A) |
| | 37 2-Nitroaniline | 65 | 6.248 | 6.248 | (0.937) | 1016789 | 120.000 | 100 |
| | 123 1,3-Dimethylnaphthalene | 156 | 6.348 | 6.348 | (0.952) | 3374582 | 120.000 | 140(A) |
| | 38 Dimethylphthalate | 163 | 6.442 | 6.442 | (0.966) | 3232689 | 120.000 | 120 |
| | 114 Coumarin | 146 | 6.442 | 6.442 | (0.966) | 984871 | 120.000 | 120(A) |
| | 40 2,6-Dinitrotoluene | 165 | 6.495 | 6.495 | (0.974) | 719383 | 120.000 | 120(A) |
| | 39 Acenaphthylene | 152 | 6.531 | 6.531 | (0.979) | 5498831 | 120.000 | 120(A) |
| | 41 3-Nitroaniline | 138 | 6.654 | 6.654 | (0.997) | 669626 | 120.000 | 120 |
| * | 82 Acenaphthene-d10 | 164 | 6.672 | 6.672 | (1.000) | 970259 | 40.0000 | |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 6.731 | 6.731 | (1.009) | 3467567 | 120.000 | 130(A) |
| | 42 Acenaphthene | 154 | 6.707 | 6.707 | (1.005) | 3189447 | 120.000 | 130(A) |
| | 11 2,4-Dinitrophenol | 184 | 6.760 | 6.760 | (1.013) | 267882 | 120.000 | 120 |
| | 12 4-Nitrophenol | 65 | 6.854 | 6.854 | (1.027) | 517362 | 120.000 | 130(A) |
| | 44 2,4-Dinitrotoluene | 165 | 6.890 | 6.890 | (1.033) | 846984 | 120.000 | 120 |

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2596.d
Report Date: 24-Sep-2009 14:15

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 43 Dibenzofuran | 168 | 6.878 | 6.878 | (1.031) | 4540745 | 120.000 | 120(A) |
| | 45 Diethylphthalate | 149 | 7.142 | 7.142 | (1.071) | 2852231 | 120.000 | 120 |
| | 47 Fluorene | 166 | 7.207 | 7.207 | (1.080) | 3422281 | 120.000 | 120(A) |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.225 | 7.225 | (1.083) | 1664667 | 120.000 | 120(A) |
| | 48 4-Nitroaniline | 138 | 7.260 | 7.260 | (1.088) | 500858 | 120.000 | 110 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.284 | 7.284 | (0.898) | 367883 | 120.000 | 140(A) |
| | 49 N-Nitrosodiphenylamine | 169 | 7.348 | 7.348 | (0.906) | 2070939 | 120.000 | 140(A) |
| | 75 1,2-Diphenylhydrazine | 77 | 7.378 | 7.378 | (0.909) | 4260290 | 120.000 | 130(A) |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.448 | 7.448 | (1.116) | 335414 | 120.000 | 120 |
| | 50 4-Bromophenyl-phenylether | 248 | 7.695 | 7.695 | (0.949) | 751831 | 120.000 | 130(A) |
| | 51 Hexachlorobenzene | 284 | 7.754 | 7.754 | (0.956) | 742658 | 120.000 | 130(A) |
| | 112 Atrazine | 200 | 7.889 | 7.889 | (0.972) | 587982 | 120.000 | 120(A) |
| | 14 Pentachlorophenol | 266 | 7.948 | 7.948 | (0.980) | 397930 | 120.000 | 140(A) |
| | 115 n-Octadecane | 57 | 8.078 | 8.078 | (0.996) | 2832068 | 120.000 | 120(A) |
| * | 83 Phenanthrene-d10 | 188 | 8.113 | 8.113 | (1.000) | 964567 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.142 | 8.142 | (1.004) | 3499918 | 120.000 | 120(A) |
| | 53 Anthracene | 178 | 8.189 | 8.189 | (1.009) | 3410504 | 120.000 | 120(A) |
| | 54 Carbazole | 167 | 8.360 | 8.360 | (1.030) | 2688429 | 120.000 | 120(A) |
| | 55 Di-n-butylphthalate | 149 | 8.731 | 8.731 | (1.076) | 3589284 | 120.000 | 130(A) |
| | 56 Fluoranthene | 202 | 9.295 | 9.295 | (1.146) | 2833035 | 120.000 | 120(A) |
| | 58 Benzidine | 184 | 9.448 | 9.448 | (1.165) | 85388 | 120.000 | 37 |
| | 57 Pyrene | 202 | 9.513 | 9.513 | (0.887) | 2663853 | 120.000 | 120 |
| $ | 78 Terphenyl-d14 | 244 | 9.689 | 9.689 | (0.903) | 1914331 | 120.000 | 130(A) |
| | 59 Butylbenzylphthalate | 149 | 10.189 | 10.189 | (0.950) | 1092717 | 120.000 | 130(A) |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.719 | 10.719 | (0.999) | 443888 | 120.000 | 110 |
| | 61 Benzo(a)anthracene | 228 | 10.725 | 10.725 | (0.999) | 1866233 | 120.000 | 120(A) |
| * | 81 Chrysene-d12 | 240 | 10.730 | 10.730 | (1.000) | 550036 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.819 | 10.819 | (1.008) | 1524936 | 120.000 | 130(A) |
| | 62 Chrysene | 228 | 10.760 | 10.760 | (1.003) | 1658239 | 120.000 | 120(A) |
| | 64 Di-n-octylphthalate | 149 | 11.589 | 11.589 | (0.931) | 2188253 | 120.000 | 130(A) |
| | 65 Benzo(b)fluoranthene | 252 | 11.977 | 11.977 | (0.962) | 1468440 | 120.000 | 130(A) |
| | 66 Benzo(k)fluoranthene | 252 | 12.013 | 12.013 | (0.965) | 1547403 | 120.000 | 120(A) |
| | 67 Benzo(a)pyrene | 252 | 12.377 | 12.377 | (0.994) | 1285344 | 120.000 | 120(A) |
| * | 84 Perylene-d12 | 264 | 12.448 | 12.448 | (1.000) | 409107 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.795 | 13.795 | (1.108) | 1209618 | 120.000 | 120(A) |
| | 69 Dibenz(a,h)anthracene | 278 | 13.830 | 13.830 | (1.111) | 1232298 | 120.000 | 120 |
| | 70 Benzo(g,h,i)perylene | 276 | 14.124 | 14.124 | (1.135) | 1221439 | 120.000 | 140(A) |

QC Flag Legend

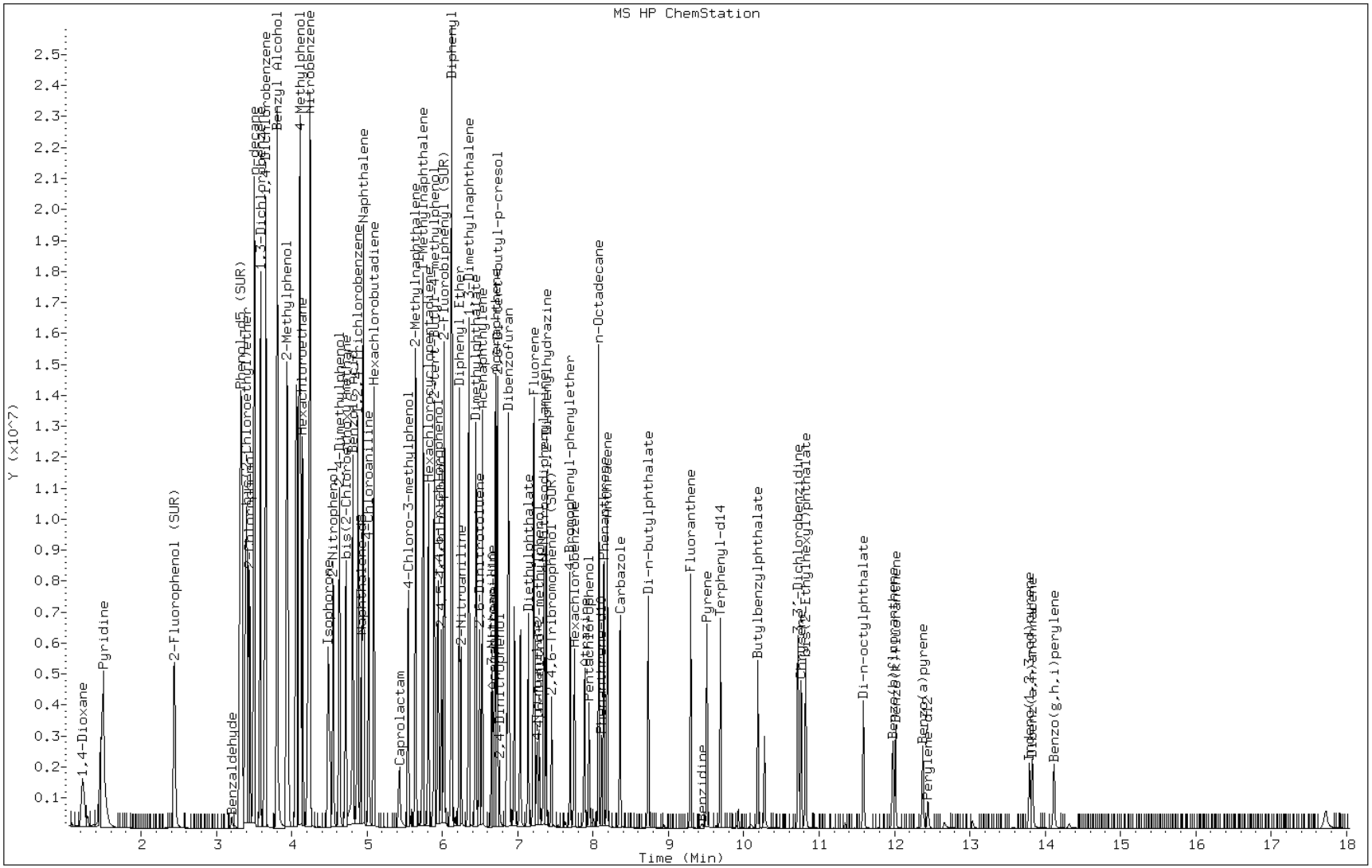
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: X2596.d

Date: 24-SEP-2009 11:28

Client ID: Instrument: BNAMS5.i

Sample Info: IC-210298 Operator: BNAMS 4



# Manual Integration Report

Data File: X2596.d
Inj. Date and Time: 24-SEP-2009 11:28
Instrument ID: BNAMS5.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/26/2009

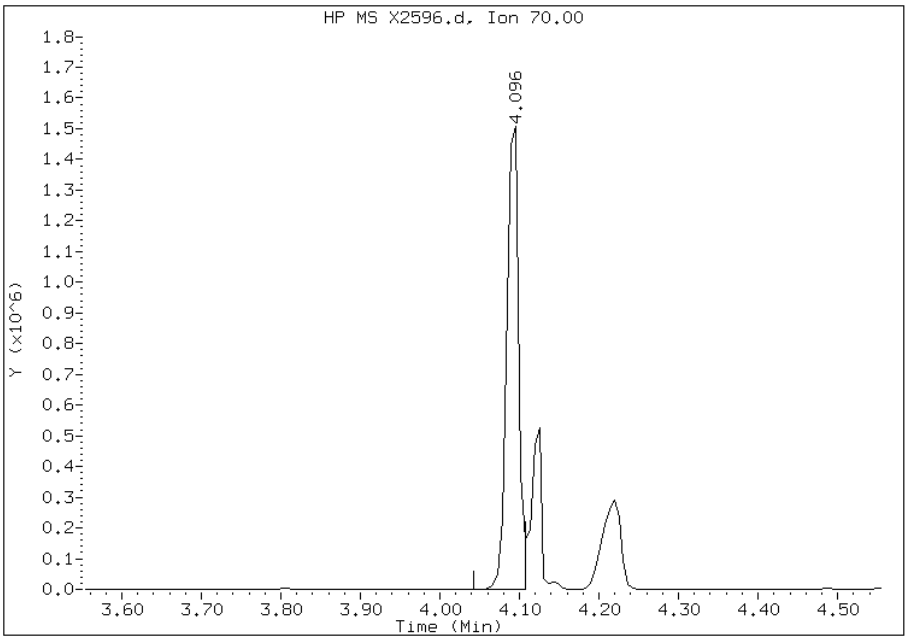
## Processing Integration Results

RT: 4.10

Response: 1602106

Amount: 93

Conc: 93



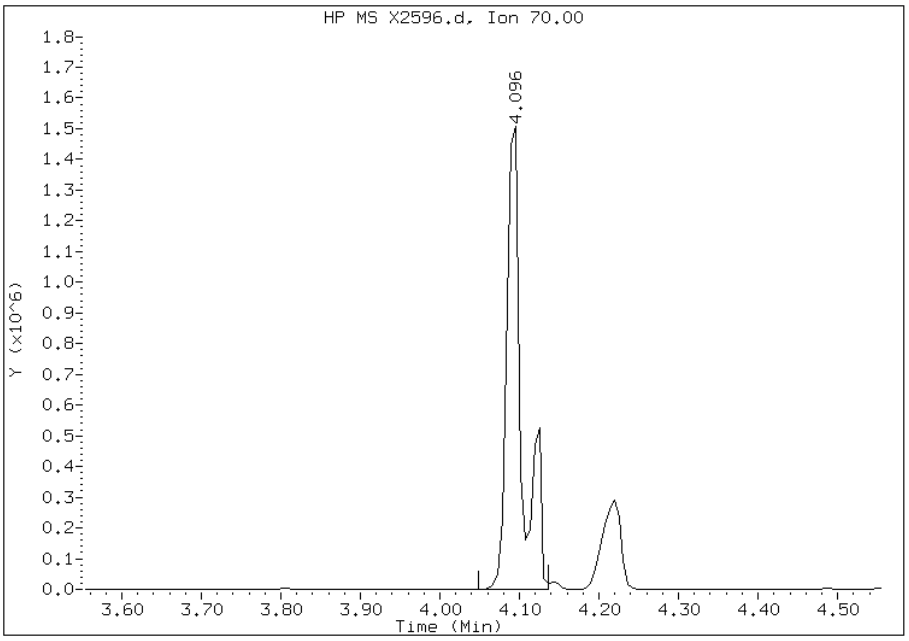

## Manual Integration Results

RT: 4.10

Response: 2039549

Amount: 114

Conc: 114




Manually Integrated By: wahied
Manual Integration Reason: Split Peak

# Manual Integration Report

Data File: X2596.d
Inj. Date and Time: 24-SEP-2009 11:28
Instrument ID: BNAMS5.i
Client ID:
Compound:  71 Pyridine
CAS #: 110-86-1
Report Date: 09/26/2009

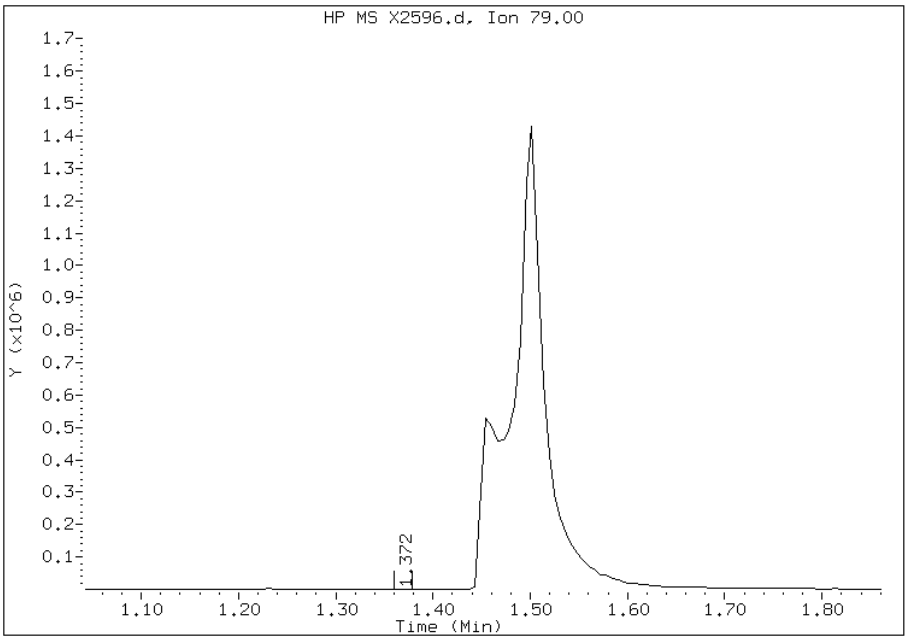
## Processing Integration Results

RT: 1.37

Response: 187

Amount: 0

Conc: 0



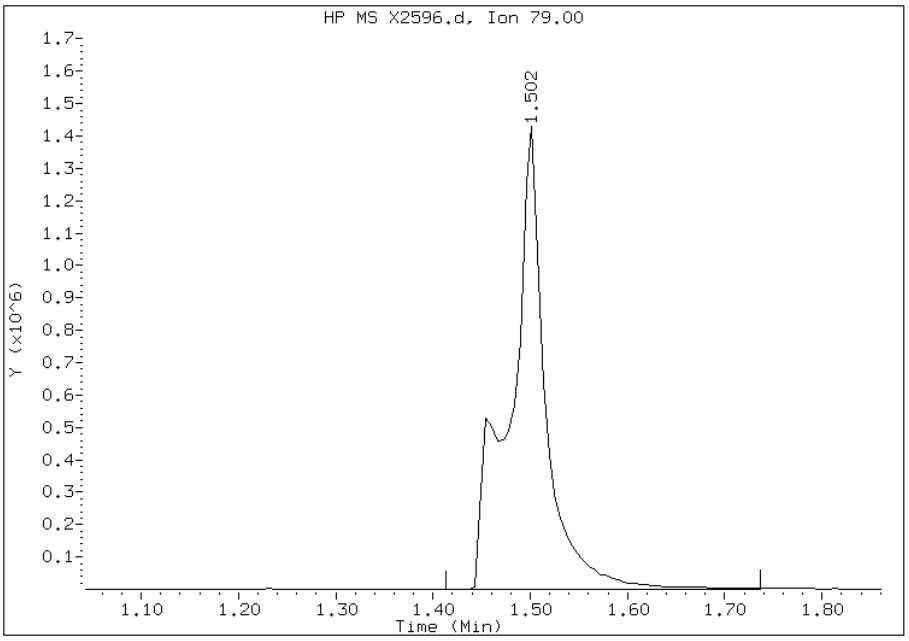

## Manual Integration Results

RT: 1.50

Response: 3655288

Amount: 115

Conc: 115




Manually Integrated By: wahied
Manual Integration Reason: Split Peak

# Manual Integration Report

Data File: X2596.d
Inj. Date and Time: 24-SEP-2009 11:28
Instrument ID: BNAMS5.i
Client ID:
Compound:  19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 09/26/2009

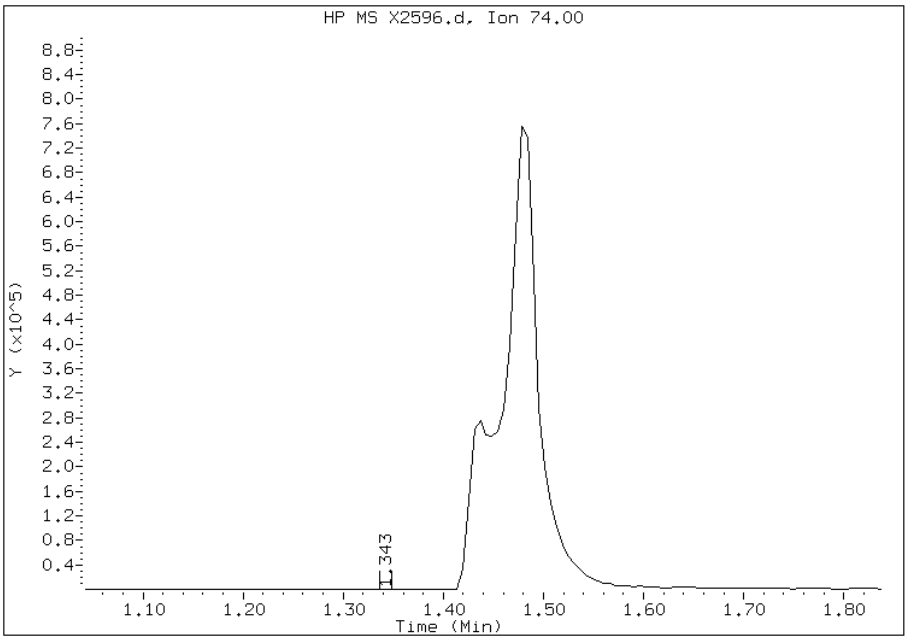
## Processing Integration Results

RT: 1.34

Response: 308

Amount: 0

Conc: 0



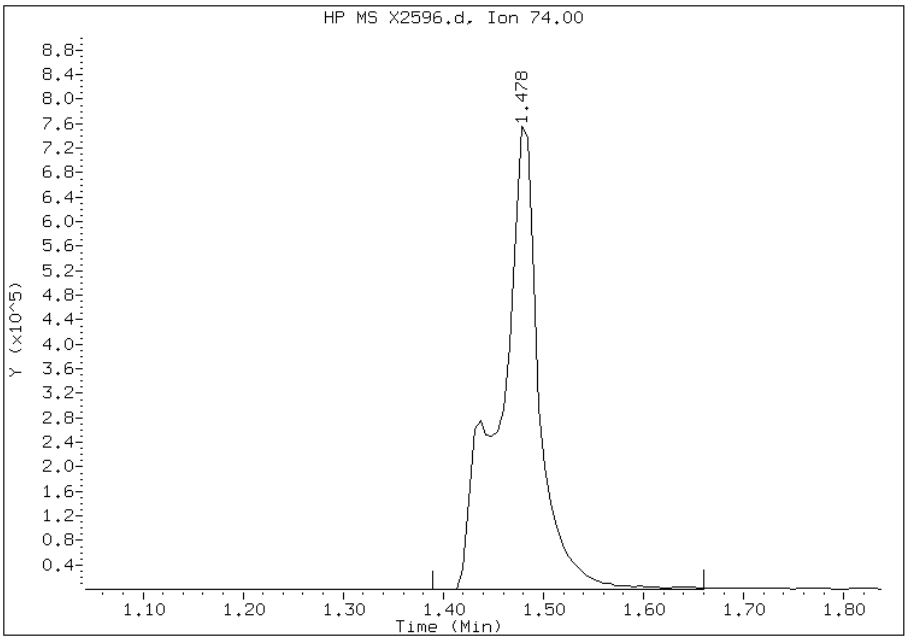

## Manual Integration Results

RT: 1.48

Response: 2056859

Amount: 120

Conc: 120




Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: X2596.d
Inj. Date and Time: 24-SEP-2009 11:28
Instrument ID: BNAMS5.i
Client ID:
Compound: 111 Caprolactam
CAS #: 105-60-2
Report Date: 09/26/2009

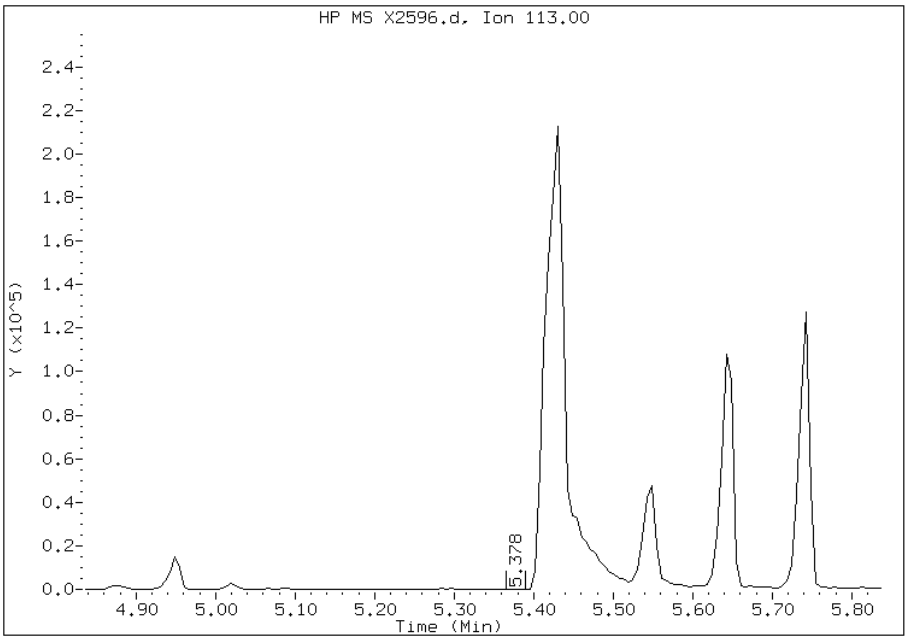
Processing Integration Results

RT: 5.38

Response: 135

Amount: 0

Conc: 0



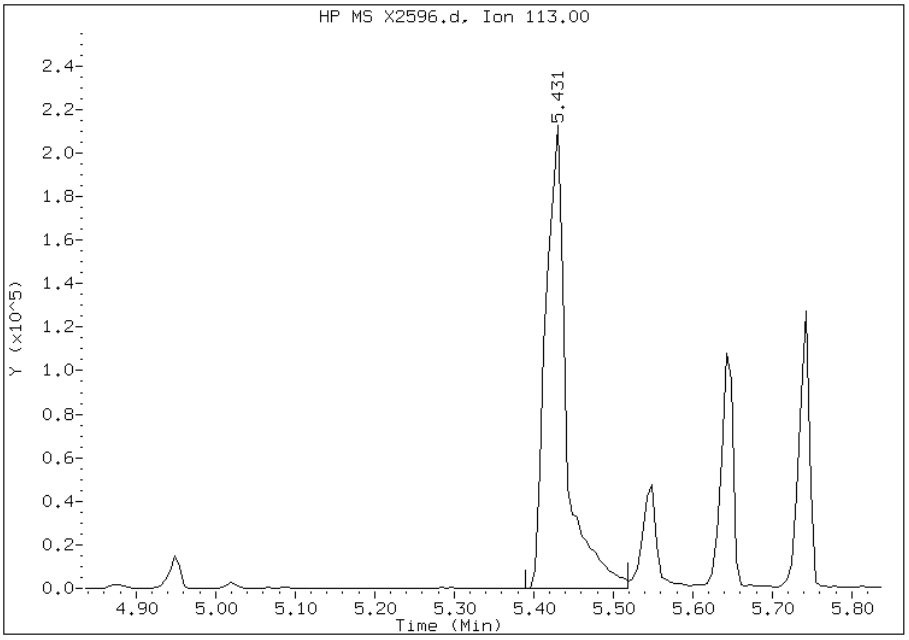

Manual Integration Results

RT: 5.43

Response: 389610

Amount: 114

Conc: 114




Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2598.d
Report Date: 24-Sep-2009 14:15

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2598.d
Lab Smp Id: IC-210297
Inj Date : 24-SEP-2009 12:17
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-210297
Misc Info : 80 ppm BNA 4407
Comment :
Method : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/8270C_08SP.m
Meth Date : 24-Sep-2009 14:15 croccom Quant Type: ISTD
Cal Date : 24-SEP-2009 11:03 Cal File: X2595.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.172 | 1.172 | (0.323) | 845877 | 80.0000 | 74 |
| | 19 N-Nitrosodimethylamine | 74 | 1.390 | 1.390 | (0.383) | 1287518 | 80.0000 | 81(H) |
| | 71 Pyridine | 79 | 1.408 | 1.408 | (0.388) | 2310116 | 80.0000 | 78(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.396 | 2.396 | (0.660) | 1796261 | 80.0000 | 77 |
| | 110 Benzaldehyde | 77 | 3.178 | 3.178 | (0.875) | 219355 | 80.0000 | 29 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.301 | 3.301 | (0.909) | 2171911 | 80.0000 | 74 |
| | 1 Phenol | 94 | 3.319 | 3.319 | (0.914) | 2406990 | 80.0000 | 73 |
| | 73 Aniline | 93 | 3.301 | 3.301 | (0.909) | 3069274 | 80.0000 | 79 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.378 | 3.378 | (0.930) | 2148576 | 80.0000 | 81 |
| | 2 2-Chlorophenol | 128 | 3.425 | 3.425 | (0.943) | 1856705 | 80.0000 | 75 |
| | 113 n-decane | 43 | 3.496 | 3.496 | (0.963) | 3268952 | 80.0000 | 83 |
| | 21 1,3-Dichlorobenzene | 146 | 3.572 | 3.572 | (0.984) | 2585737 | 80.0000 | 82 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.631 | 3.631 | (1.000) | 760873 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.649 | 3.649 | (1.005) | 2580071 | 80.0000 | 82 |
| | 74 Benzyl Alcohol | 108 | 3.796 | 3.796 | (1.045) | 1159718 | 80.0000 | 81 |

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2598.d
Report Date: 24-Sep-2009 14:15

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 23 1,2-Dichlorobenzene | 146 | 3.801 | 3.801 | (1.047) | 2380127 | 80.0000 | 82 |
| | 3 2-Methylphenol | 108 | 3.931 | 3.931 | (1.083) | 1534850 | 80.0000 | 73 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 3.931 | 3.931 | (1.083) | 3126943 | 80.0000 | 77 |
| | 4 4-Methylphenol | 108 | 4.096 | 4.096 | (1.128) | 1670589 | 80.0000 | 75 |
| | 124 3 & 4 Methylphenol | 108 | 4.096 | 4.096 | (1.128) | 1670589 | 80.0000 | 74(A) |
| | 104 Acetophenone | 105 | 4.060 | 4.060 | (1.118) | 2380729 | 80.0000 | 75 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.078 | 4.078 | (1.123) | 1212350 | 80.0000 | 73 |
| | 26 Hexachloroethane | 117 | 4.143 | 4.143 | (1.141) | 994669 | 80.0000 | 83 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.207 | 4.207 | (0.855) | 2137229 | 80.0000 | 84 |
| | 27 Nitrobenzene | 77 | 4.231 | 4.231 | (0.860) | 2962920 | 80.0000 | 81 |
| | 107 N,N-Dimethylaniline | 120 | 4.237 | 4.237 | (1.167) | 3025023 | 80.0000 | 78 |
| | 28 Isophorone | 82 | 4.472 | 4.472 | (0.909) | 3085506 | 80.0000 | 78 |
| | 5 2-Nitrophenol | 139 | 4.543 | 4.543 | (0.923) | 862713 | 80.0000 | 82 |
| | 6 2,4-Dimethylphenol | 122 | 4.625 | 4.625 | (0.940) | 1345090 | 80.0000 | 78 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 4.713 | 4.713 | (0.958) | 1914948 | 80.0000 | 81 |
| | 15 Benzoic Acid | 122 | 4.784 | 4.784 | (0.972) | 335650 | 80.0000 | 82 |
| | 7 2,4-Dichlorophenol | 162 | 4.801 | 4.801 | (0.976) | 1203412 | 80.0000 | 78 |
| | 30 1,2,4-Trichlorobenzene | 180 | 4.872 | 4.872 | (0.990) | 1548275 | 80.0000 | 81 |
| * | 80 Naphthalene-d8 | 136 | 4.919 | 4.919 | (1.000) | 2363294 | 40.0000 | |
| | 31 Naphthalene | 128 | 4.943 | 4.943 | (1.005) | 5291829 | 80.0000 | 83 |
| | 32 4-Chloroaniline | 127 | 5.013 | 5.013 | (1.019) | 1650287 | 80.0000 | 79 |
| | 33 Hexachlorobutadiene | 225 | 5.090 | 5.090 | (1.035) | 952142 | 80.0000 | 84 |
| | 111 Caprolactam | 113 | 5.401 | 5.401 | (1.098) | 246585 | 80.0000 | 75(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 5.537 | 5.537 | (1.126) | 1096722 | 80.0000 | 75 |
| | 34 2-Methylnaphthalene | 142 | 5.643 | 5.643 | (1.147) | 2870947 | 80.0000 | 80 |
| | 120 1-Methylnaphthalene | 142 | 5.737 | 5.737 | (1.166) | 2843868 | 80.0000 | 79 |
| | 35 Hexachlorocyclopentadiene | 237 | 5.813 | 5.813 | (0.872) | 896345 | 80.0000 | 81 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 5.890 | 5.890 | (1.197) | 1749691 | 80.0000 | 77 |
| | 9 2,4,6-Trichlorophenol | 196 | 5.942 | 5.942 | (0.891) | 698533 | 80.0000 | 82 |
| | 10 2,4,5-Trichlorophenol | 196 | 5.978 | 5.978 | (0.897) | 706997 | 80.0000 | 83 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.019 | 6.019 | (0.903) | 3045700 | 80.0000 | 87 |
| | 102 Diphenyl | 154 | 6.113 | 6.113 | (0.917) | 3166596 | 80.0000 | 84 |
| | 36 2-Chloronaphthalene | 162 | 6.125 | 6.125 | (0.919) | 2476091 | 80.0000 | 85 |
| | 103 Diphenyl Ether | 170 | 6.225 | 6.225 | (0.934) | 1700688 | 80.0000 | 84 |
| | 37 2-Nitroaniline | 65 | 6.242 | 6.242 | (0.936) | 719119 | 80.0000 | 73 |
| | 123 1,3-Dimethylnaphthalene | 156 | 6.348 | 6.348 | (0.952) | 1893514 | 80.0000 | 81 |
| | 38 Dimethylphthalate | 163 | 6.442 | 6.442 | (0.966) | 2174873 | 80.0000 | 81 |
| | 114 Coumarin | 146 | 6.437 | 6.437 | (0.966) | 662003 | 80.0000 | 83 |
| | 40 2,6-Dinitrotoluene | 165 | 6.490 | 6.490 | (0.974) | 484353 | 80.0000 | 83 |
| | 39 Acenaphthylene | 152 | 6.525 | 6.525 | (0.979) | 3603648 | 80.0000 | 84 |
| | 41 3-Nitroaniline | 138 | 6.648 | 6.648 | (0.997) | 466480 | 80.0000 | 82 |
| * | 82 Acenaphthene-d10 | 164 | 6.666 | 6.666 | (1.000) | 952489 | 40.0000 | |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 6.725 | 6.725 | (1.009) | 2168947 | 80.0000 | 85 |
| | 42 Acenaphthene | 154 | 6.701 | 6.701 | (1.005) | 2037351 | 80.0000 | 83 |
| | 11 2,4-Dinitrophenol | 184 | 6.754 | 6.754 | (1.013) | 158156 | 80.0000 | 80 |
| | 12 4-Nitrophenol | 65 | 6.848 | 6.848 | (1.027) | 326236 | 80.0000 | 86 |
| | 44 2,4-Dinitrotoluene | 165 | 6.884 | 6.884 | (1.033) | 578294 | 80.0000 | 81 |

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2598.d
Report Date: 24-Sep-2009 14:15

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 | Dibenzofuran | 168 | 6.872 | 6.872 | (1.031) | 2916440 | 80.0000 | 80 |
| | 45 | Diethylphthalate | 149 | 7.137 | 7.137 | (1.071) | 1923801 | 80.0000 | 81 |
| | 47 | Fluorene | 166 | 7.207 | 7.207 | (1.081) | 2239771 | 80.0000 | 81 |
| | 46 | 4-Chlorophenyl-phenylether | 204 | 7.219 | 7.219 | (1.083) | 1102405 | 80.0000 | 82 |
| | 48 | 4-Nitroaniline | 138 | 7.248 | 7.248 | (1.087) | 364205 | 80.0000 | 85 |
| | 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.278 | 7.278 | (0.897) | 227455 | 80.0000 | 82 |
| | 49 | N-Nitrosodiphenylamine | 169 | 7.342 | 7.342 | (0.905) | 1324113 | 80.0000 | 84 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 7.378 | 7.378 | (0.909) | 2854837 | 80.0000 | 84 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 7.442 | 7.442 | (1.116) | 229760 | 80.0000 | 82 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 7.695 | 7.695 | (0.949) | 501901 | 80.0000 | 85 |
| | 51 | Hexachlorobenzene | 284 | 7.748 | 7.748 | (0.955) | 496062 | 80.0000 | 83 |
| | 112 | Atrazine | 200 | 7.884 | 7.884 | (0.972) | 403467 | 80.0000 | 80 |
| | 14 | Pentachlorophenol | 266 | 7.948 | 7.948 | (0.980) | 260214 | 80.0000 | 86 |
| | 115 | n-Octadecane | 57 | 8.072 | 8.072 | (0.995) | 1794416 | 80.0000 | 75 |
| * | 83 | Phenanthrene-d10 | 188 | 8.113 | 8.113 | (1.000) | 1012472 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 8.136 | 8.136 | (1.003) | 2358161 | 80.0000 | 81 |
| | 53 | Anthracene | 178 | 8.184 | 8.184 | (1.009) | 2411726 | 80.0000 | 83 |
| | 54 | Carbazole | 167 | 8.354 | 8.354 | (1.030) | 1939366 | 80.0000 | 83 |
| | 55 | Di-n-butylphthalate | 149 | 8.731 | 8.731 | (1.076) | 2469311 | 80.0000 | 85 |
| | 56 | Fluoranthene | 202 | 9.295 | 9.295 | (1.146) | 1964876 | 80.0000 | 82 |
| | 58 | Benzidine | 184 | 9.448 | 9.448 | (1.165) | 55704 | 80.0000 | 23 |
| | 57 | Pyrene | 202 | 9.507 | 9.507 | (0.886) | 1942849 | 80.0000 | 77 |
| $ | 78 | Terphenyl-d14 | 244 | 9.689 | 9.689 | (0.903) | 1329055 | 80.0000 | 81 |
| | 59 | Butylbenzylphthalate | 149 | 10.189 | 10.189 | (0.950) | 792281 | 80.0000 | 83 |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 10.713 | 10.713 | (0.998) | 347731 | 80.0000 | 79 |
| | 61 | Benzo(a)anthracene | 228 | 10.719 | 10.719 | (0.999) | 1340940 | 80.0000 | 80 |
| * | 81 | Chrysene-d12 | 240 | 10.730 | 10.730 | (1.000) | 610274 | 40.0000 | |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 10.819 | 10.819 | (1.008) | 1075327 | 80.0000 | 85 |
| | 62 | Chrysene | 228 | 10.760 | 10.760 | (1.003) | 1190435 | 80.0000 | 78 |
| | 64 | Di-n-octylphthalate | 149 | 11.589 | 11.589 | (0.931) | 1554656 | 80.0000 | 86 |
| | 65 | Benzo(b)fluoranthene | 252 | 11.977 | 11.977 | (0.963) | 1091256 | 80.0000 | 88 |
| | 66 | Benzo(k)fluoranthene | 252 | 12.013 | 12.013 | (0.965) | 1103863 | 80.0000 | 79 |
| | 67 | Benzo(a)pyrene | 252 | 12.371 | 12.371 | (0.994) | 921509 | 80.0000 | 79 |
| * | 84 | Perylene-d12 | 264 | 12.442 | 12.442 | (1.000) | 449058 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 13.789 | 13.789 | (1.108) | 820114 | 80.0000 | 76 |
| | 69 | Dibenz(a,h)anthracene | 278 | 13.830 | 13.830 | (1.112) | 855991 | 80.0000 | 80 |
| | 70 | Benzo(g,h,i)perylene | 276 | 14.118 | 14.118 | (1.135) | 871607 | 80.0000 | 90 |

QC Flag Legend

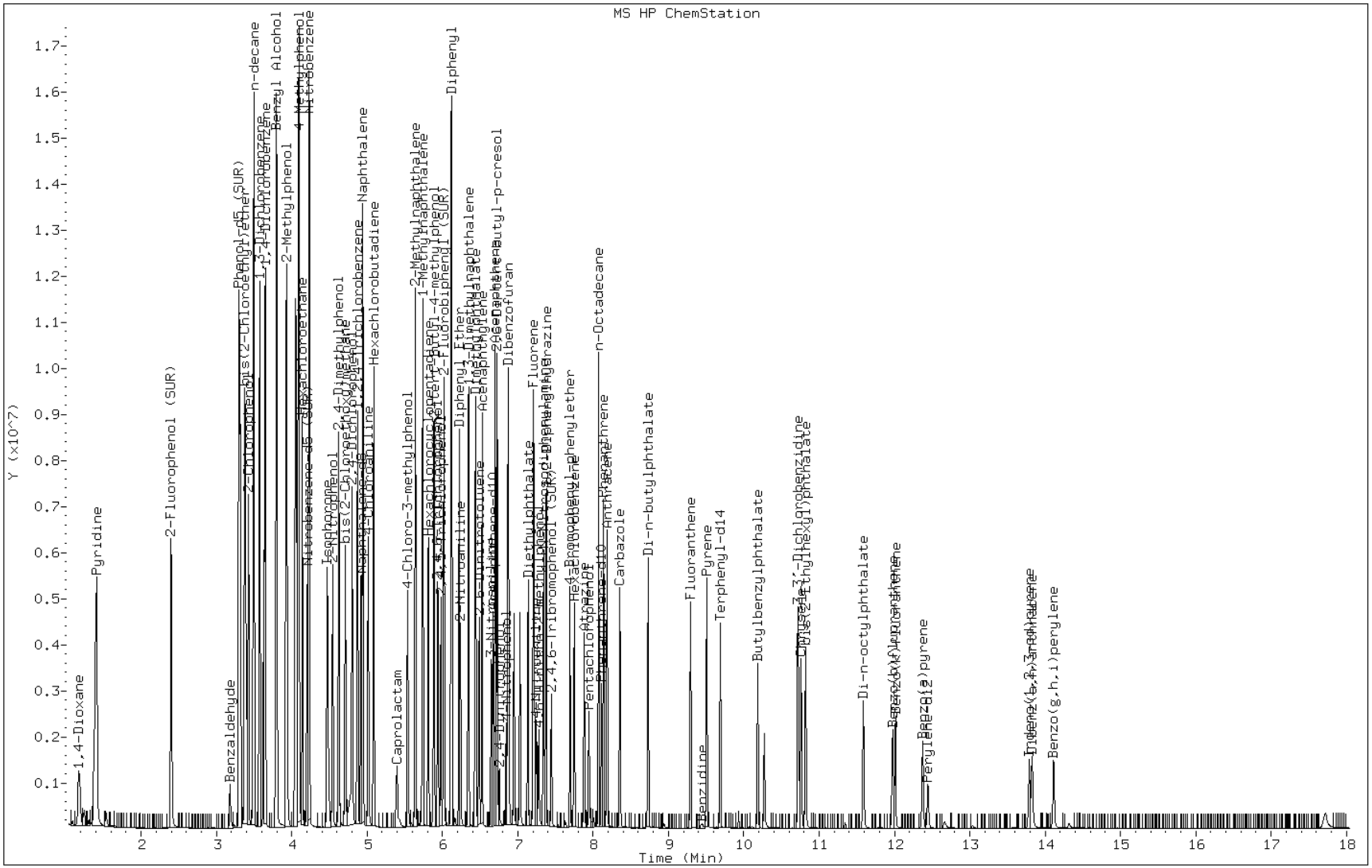
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: X2598.d

Date: 24-SEP-2009 12:17

Client ID: Instrument: BNAMS5.i

Sample Info: IC-210297 Operator: BNAMS 4



Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2599.d
Report Date: 24-Sep-2009 14:15

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2599.d
Lab Smp Id: IC-210296
Inj Date : 24-SEP-2009 12:42
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-210296
Misc Info : 20 ppm BNA 4407
Comment :
Method : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/8270C_08SP.m
Meth Date : 24-Sep-2009 14:15 croccom Quant Type: ISTD
Cal Date : 24-SEP-2009 11:03 Cal File: X2595.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.143 | 1.143 | (0.316) | 260759 | 20.0000 | 20 |
| | 19 N-Nitrosodimethylamine | 74 | 1.331 | 1.331 | (0.368) | 350788 | 20.0000 | 20 |
| | 71 Pyridine | 79 | 1.354 | 1.354 | (0.374) | 655959 | 20.0000 | 20(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.372 | 2.372 | (0.655) | 540917 | 20.0000 | 20 |
| | 110 Benzaldehyde | 77 | 3.166 | 3.166 | (0.875) | 232823 | 20.0000 | 27 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.284 | 3.284 | (0.907) | 691140 | 20.0000 | 21 |
| | 1 Phenol | 94 | 3.296 | 3.296 | (0.911) | 784239 | 20.0000 | 21 |
| | 73 Aniline | 93 | 3.284 | 3.284 | (0.907) | 890531 | 20.0000 | 20 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.360 | 3.360 | (0.928) | 592255 | 20.0000 | 20 |
| | 2 2-Chlorophenol | 128 | 3.407 | 3.407 | (0.941) | 581157 | 20.0000 | 21 |
| | 113 n-decane | 43 | 3.484 | 3.484 | (0.963) | 846326 | 20.0000 | 19 |
| | 21 1,3-Dichlorobenzene | 146 | 3.560 | 3.560 | (0.984) | 676856 | 20.0000 | 19 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.619 | 3.619 | (1.000) | 856740 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.637 | 3.637 | (1.005) | 676373 | 20.0000 | 19 |
| | 74 Benzyl Alcohol | 108 | 3.778 | 3.778 | (1.044) | 327941 | 20.0000 | 20 |

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2599.d
Report Date: 24-Sep-2009 14:15

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | ========== | ==== | == | ====== | ====== | ======== | ======= | ======= |
| | 23 1,2-Dichlorobenzene | 146 | 3.790 | 3.790 | (1.047) | 628515 | 20.0000 | 19 |
| | 3 2-Methylphenol | 108 | 3.913 | 3.913 | (1.081) | 486929 | 20.0000 | 20 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 3.925 | 3.925 | (1.085) | 903732 | 20.0000 | 20 |
| | 4 4-Methylphenol | 108 | 4.078 | 4.078 | (1.127) | 537046 | 20.0000 | 21 |
| | 124 3 & 4 Methylphenol | 108 | 4.078 | 4.078 | (1.127) | 550006 | 20.0000 | 22(A) |
| | 104 Acetophenone | 105 | 4.043 | 4.043 | (1.117) | 743255 | 20.0000 | 21 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.054 | 4.054 | (1.120) | 382953 | 20.0000 | 20 |
| | 26 Hexachloroethane | 117 | 4.137 | 4.137 | (1.143) | 264686 | 20.0000 | 20 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.190 | 4.190 | (0.852) | 605830 | 20.0000 | 19 |
| | 27 Nitrobenzene | 77 | 4.213 | 4.213 | (0.856) | 873442 | 20.0000 | 20 |
| | 107 N,N-Dimethylaniline | 120 | 4.219 | 4.219 | (1.166) | 844911 | 20.0000 | 19 |
| | 28 Isophorone | 82 | 4.460 | 4.460 | (0.907) | 978242 | 20.0000 | 20 |
| | 5 2-Nitrophenol | 139 | 4.537 | 4.537 | (0.922) | 242724 | 20.0000 | 19 |
| | 6 2,4-Dimethylphenol | 122 | 4.613 | 4.613 | (0.938) | 416203 | 20.0000 | 20 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 4.701 | 4.701 | (0.956) | 557610 | 20.0000 | 19 |
| | 15 Benzoic Acid | 122 | 4.737 | 4.737 | (0.963) | 74441 | 20.0000 | 18 |
| | 7 2,4-Dichlorophenol | 162 | 4.790 | 4.790 | (0.974) | 381763 | 20.0000 | 20 |
| | 30 1,2,4-Trichlorobenzene | 180 | 4.866 | 4.866 | (0.989) | 448301 | 20.0000 | 19 |
| * | 80 Naphthalene-d8 | 136 | 4.919 | 4.919 | (1.000) | 2869691 | 40.0000 | |
| | 31 Naphthalene | 128 | 4.937 | 4.937 | (1.004) | 1505529 | 20.0000 | 19 |
| | 32 4-Chloroaniline | 127 | 5.007 | 5.007 | (1.018) | 523813 | 20.0000 | 21 |
| | 33 Hexachlorobutadiene | 225 | 5.084 | 5.084 | (1.033) | 262700 | 20.0000 | 19 |
| | 111 Caprolactam | 113 | 5.354 | 5.354 | (1.088) | 95550 | 20.0000 | 24 |
| | 8 4-Chloro-3-methylphenol | 107 | 5.531 | 5.531 | (1.124) | 372897 | 20.0000 | 21 |
| | 34 2-Methylnaphthalene | 142 | 5.637 | 5.637 | (1.146) | 852999 | 20.0000 | 20 |
| | 120 1-Methylnaphthalene | 142 | 5.731 | 5.731 | (1.165) | 854620 | 20.0000 | 20 |
| | 35 Hexachlorocyclopentadiene | 237 | 5.807 | 5.807 | (0.871) | 230391 | 20.0000 | 17 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 5.878 | 5.878 | (1.195) | 560807 | 20.0000 | 20 |
| | 9 2,4,6-Trichlorophenol | 196 | 5.937 | 5.937 | (0.891) | 234395 | 20.0000 | 20 |
| | 10 2,4,5-Trichlorophenol | 196 | 5.972 | 5.972 | (0.896) | 242828 | 20.0000 | 20 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.019 | 6.019 | (0.903) | 899145 | 20.0000 | 18 |
| | 102 Diphenyl | 154 | 6.107 | 6.107 | (0.916) | 990946 | 20.0000 | 19 |
| | 36 2-Chloronaphthalene | 162 | 6.119 | 6.119 | (0.918) | 773074 | 20.0000 | 19 |
| | 103 Diphenyl Ether | 170 | 6.219 | 6.219 | (0.933) | 532324 | 20.0000 | 18 |
| | 37 2-Nitroaniline | 65 | 6.231 | 6.231 | (0.935) | 295626 | 20.0000 | 21 |
| | 123 1,3-Dimethylnaphthalene | 156 | 6.342 | 6.342 | (0.951) | 622609 | 20.0000 | 19 |
| | 38 Dimethylphthalate | 163 | 6.431 | 6.431 | (0.965) | 735600 | 20.0000 | 19 |
| | 114 Coumarin | 146 | 6.425 | 6.425 | (0.964) | 218431 | 20.0000 | 19 |
| | 40 2,6-Dinitrotoluene | 165 | 6.478 | 6.478 | (0.972) | 162323 | 20.0000 | 20 |
| | 39 Acenaphthylene | 152 | 6.519 | 6.519 | (0.978) | 1164710 | 20.0000 | 19 |
| | 41 3-Nitroaniline | 138 | 6.642 | 6.642 | (0.996) | 163782 | 20.0000 | 20 |
| * | 82 Acenaphthene-d10 | 164 | 6.666 | 6.666 | (1.000) | 1345339 | 40.0000 | |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 6.725 | 6.725 | (1.009) | 667856 | 20.0000 | 18 |
| | 42 Acenaphthene | 154 | 6.695 | 6.695 | (1.004) | 659132 | 20.0000 | 19 |
| | 11 2,4-Dinitrophenol | 184 | 6.742 | 6.742 | (1.011) | 73450 | 30.0000 | 29 |
| | 12 4-Nitrophenol | 65 | 6.842 | 6.842 | (1.026) | 154809 | 30.0000 | 29 |
| | 44 2,4-Dinitrotoluene | 165 | 6.872 | 6.872 | (1.031) | 196321 | 20.0000 | 20 |

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2599.d
Report Date: 24-Sep-2009 14:15

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 Dibenzofuran | 168 | 6.866 | 6.866 | (1.030) | 1000090 | 20.0000 | 20 |
| | 45 Diethylphthalate | 149 | 7.131 | 7.131 | (1.070) | 657125 | 20.0000 | 20 |
| | 47 Fluorene | 166 | 7.201 | 7.201 | (1.080) | 764847 | 20.0000 | 20 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.219 | 7.219 | (1.083) | 365506 | 20.0000 | 19 |
| | 48 4-Nitroaniline | 138 | 7.236 | 7.236 | (1.086) | 115435 | 20.0000 | 19 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.272 | 7.272 | (0.896) | 121742 | 30.0000 | 30 |
| | 49 N-Nitrosodiphenylamine | 169 | 7.336 | 7.336 | (0.904) | 445006 | 20.0000 | 19 |
| | 75 1,2-Diphenylhydrazine | 77 | 7.372 | 7.372 | (0.909) | 969047 | 20.0000 | 19 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.442 | 7.442 | (1.116) | 77459 | 20.0000 | 20 |
| | 50 4-Bromophenyl-phenylether | 248 | 7.689 | 7.689 | (0.948) | 166757 | 20.0000 | 19 |
| | 51 Hexachlorobenzene | 284 | 7.742 | 7.742 | (0.954) | 170666 | 20.0000 | 19 |
| | 112 Atrazine | 200 | 7.878 | 7.878 | (0.971) | 148564 | 20.0000 | 20 |
| | 14 Pentachlorophenol | 266 | 7.942 | 7.942 | (0.979) | 132471 | 30.0000 | 29 |
| | 115 n-Octadecane | 57 | 8.072 | 8.072 | (0.995) | 559174 | 20.0000 | 16 |
| * | 83 Phenanthrene-d10 | 188 | 8.113 | 8.113 | (1.000) | 1511514 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.130 | 8.130 | (1.002) | 837108 | 20.0000 | 19 |
| | 53 Anthracene | 178 | 8.183 | 8.183 | (1.009) | 841116 | 20.0000 | 19 |
| | 54 Carbazole | 167 | 8.348 | 8.348 | (1.029) | 666646 | 20.0000 | 19 |
| | 55 Di-n-butylphthalate | 149 | 8.730 | 8.730 | (1.076) | 831453 | 20.0000 | 19 |
| | 56 Fluoranthene | 202 | 9.289 | 9.289 | (1.145) | 691153 | 20.0000 | 19 |
| | 58 Benzidine | 184 | 9.442 | 9.442 | (1.164) | 177187 | 30.0000 | 49 |
| | 57 Pyrene | 202 | 9.507 | 9.507 | (0.886) | 676979 | 20.0000 | 20 |
| $ | 78 Terphenyl-d14 | 244 | 9.683 | 9.683 | (0.902) | 424404 | 20.0000 | 19 |
| | 59 Butylbenzylphthalate | 149 | 10.183 | 10.183 | (0.949) | 258968 | 20.0000 | 20 |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.713 | 10.713 | (0.998) | 189426 | 30.0000 | 32 |
| | 61 Benzo(a)anthracene | 228 | 10.719 | 10.719 | (0.999) | 423070 | 20.0000 | 19 |
| * | 81 Chrysene-d12 | 240 | 10.730 | 10.730 | (1.000) | 807841 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.819 | 10.819 | (1.008) | 326949 | 20.0000 | 20 |
| | 62 Chrysene | 228 | 10.754 | 10.754 | (1.002) | 404135 | 20.0000 | 20 |
| | 64 Di-n-octylphthalate | 149 | 11.583 | 11.583 | (0.931) | 441539 | 20.0000 | 20 |
| | 65 Benzo(b)fluoranthene | 252 | 11.971 | 11.971 | (0.962) | 305218 | 20.0000 | 20 |
| | 66 Benzo(k)fluoranthene | 252 | 12.007 | 12.007 | (0.965) | 318798 | 20.0000 | 19 |
| | 67 Benzo(a)pyrene | 252 | 12.371 | 12.371 | (0.994) | 257089 | 20.0000 | 18 |
| * | 84 Perylene-d12 | 264 | 12.442 | 12.442 | (1.000) | 543361 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.783 | 13.783 | (1.108) | 200532 | 20.0000 | 15 |
| | 69 Dibenz(a,h)anthracene | 278 | 13.818 | 13.818 | (1.111) | 221725 | 20.0000 | 18 |
| | 70 Benzo(g,h,i)perylene | 276 | 14.107 | 14.107 | (1.134) | 228899 | 20.0000 | 19 |

QC Flag Legend

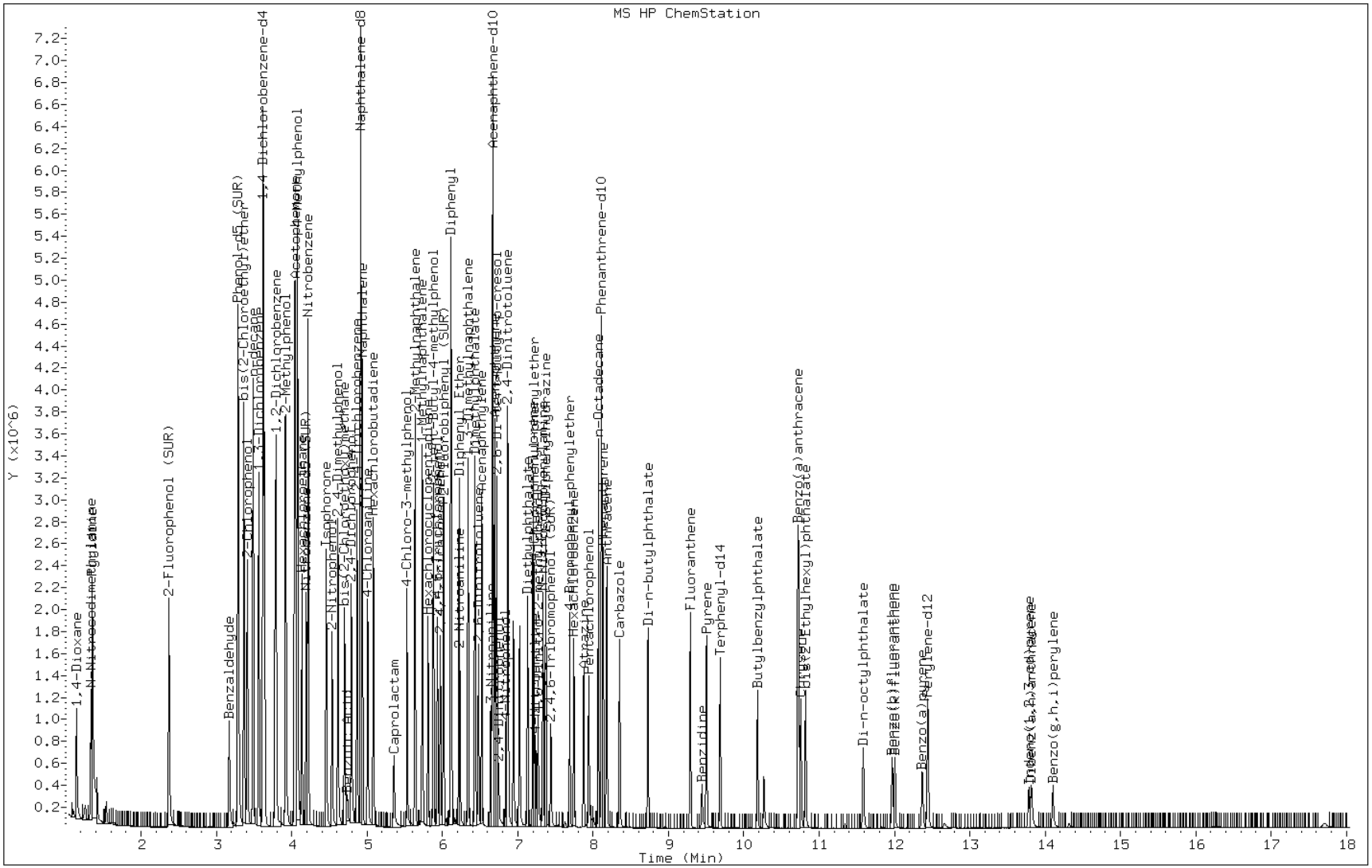
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: X2599.d

Date: 24-SEP-2009 12:42

Client ID: Instrument: BNAMS5.i

Sample Info: IC-210296 Operator: BNAMS 4



Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2600.d
Report Date: 24-Sep-2009 14:15

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2600.d
Lab Smp Id: IC-210307
Inj Date : 24-SEP-2009 13:07
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-210307
Misc Info : 10 ppm bna 4407
Comment :
Method : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/8270C_08SP.m
Meth Date : 24-Sep-2009 14:15 croccom Quant Type: ISTD
Cal Date : 24-SEP-2009 11:03 Cal File: X2595.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.143 | 1.143 | (0.316) | 150951 | 10.0000 | 11 |
| | 19 N-Nitrosodimethylamine | 74 | 1.337 | 1.337 | (0.369) | 201619 | 10.0000 | 10 |
| | 71 Pyridine | 79 | 1.360 | 1.360 | (0.376) | 379860 | 10.0000 | 10 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.372 | 2.372 | (0.655) | 287608 | 10.0000 | 10 |
| | 110 Benzaldehyde | 77 | 3.172 | 3.172 | (0.876) | 85591 | 10.0000 | 9.2 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.278 | 3.278 | (0.906) | 395185 | 10.0000 | 11 |
| | 1 Phenol | 94 | 3.290 | 3.290 | (0.909) | 442726 | 10.0000 | 11 |
| | 73 Aniline | 93 | 3.284 | 3.284 | (0.907) | 504738 | 10.0000 | 10 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.360 | 3.360 | (0.928) | 336351 | 10.0000 | 10 |
| | 2 2-Chlorophenol | 128 | 3.407 | 3.407 | (0.941) | 329649 | 10.0000 | 11 |
| | 113 n-decane | 43 | 3.484 | 3.484 | (0.963) | 470555 | 10.0000 | 9.7 |
| | 21 1,3-Dichlorobenzene | 146 | 3.560 | 3.560 | (0.984) | 381960 | 10.0000 | 9.8 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.619 | 3.619 | (1.000) | 940257 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.637 | 3.637 | (1.005) | 386866 | 10.0000 | 9.9 |
| | 74 Benzyl Alcohol | 108 | 3.778 | 3.778 | (1.044) | 183629 | 10.0000 | 10 |

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2600.d
Report Date: 24-Sep-2009 14:15

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 23 1,2-Dichlorobenzene | 146 | 3.790 | 3.790 | (1.047) | 355129 | 10.0000 | 9.8 |
| | 3 2-Methylphenol | 108 | 3.913 | 3.913 | (1.081) | 287204 | 10.0000 | 11 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 3.919 | 3.919 | (1.083) | 528557 | 10.0000 | 10 |
| | 4 4-Methylphenol | 108 | 4.072 | 4.072 | (1.125) | 299188 | 10.0000 | 11 |
| | 124 3 & 4 Methylphenol | 108 | 4.072 | 4.072 | (1.125) | 306716 | 10.0000 | 11(A) |
| | 104 Acetophenone | 105 | 4.042 | 4.042 | (1.117) | 417703 | 10.0000 | 11 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.054 | 4.054 | (1.120) | 223912 | 10.0000 | 11 |
| | 26 Hexachloroethane | 117 | 4.131 | 4.131 | (1.141) | 151082 | 10.0000 | 10 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.189 | 4.189 | (0.852) | 351792 | 10.0000 | 10 |
| | 27 Nitrobenzene | 77 | 4.207 | 4.207 | (0.855) | 494288 | 10.0000 | 9.8 |
| | 107 N,N-Dimethylaniline | 120 | 4.219 | 4.219 | (1.166) | 478722 | 10.0000 | 10 |
| | 28 Isophorone | 82 | 4.454 | 4.454 | (0.906) | 569930 | 10.0000 | 10 |
| | 5 2-Nitrophenol | 139 | 4.537 | 4.537 | (0.922) | 139631 | 10.0000 | 9.7 |
| | 6 2,4-Dimethylphenol | 122 | 4.613 | 4.613 | (0.938) | 247273 | 10.0000 | 10 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 4.701 | 4.701 | (0.956) | 330260 | 10.0000 | 10 |
| | 15 Benzoic Acid | 122 | 4.719 | 4.719 | (0.959) | 16700 | 10.0000 | 3.6(aM) |
| | 7 2,4-Dichlorophenol | 162 | 4.789 | 4.789 | (0.974) | 227920 | 10.0000 | 11 |
| | 30 1,2,4-Trichlorobenzene | 180 | 4.866 | 4.866 | (0.989) | 261667 | 10.0000 | 9.9 |
| * | 80 Naphthalene-d8 | 136 | 4.919 | 4.919 | (1.000) | 3253471 | 40.0000 | |
| | 31 Naphthalene | 128 | 4.936 | 4.936 | (1.004) | 861819 | 10.0000 | 9.8 |
| | 32 4-Chloroaniline | 127 | 5.007 | 5.007 | (1.018) | 304033 | 10.0000 | 10 |
| | 33 Hexachlorobutadiene | 225 | 5.084 | 5.084 | (1.033) | 154641 | 10.0000 | 9.8 |
| | 111 Caprolactam | 113 | 5.342 | 5.342 | (1.086) | 47382 | 10.0000 | 10 |
| | 8 4-Chloro-3-methylphenol | 107 | 5.531 | 5.531 | (1.124) | 220054 | 10.0000 | 11 |
| | 34 2-Methylnaphthalene | 142 | 5.636 | 5.636 | (1.146) | 498112 | 10.0000 | 10 |
| | 120 1-Methylnaphthalene | 142 | 5.731 | 5.731 | (1.165) | 510315 | 10.0000 | 10 |
| | 35 Hexachlorocyclopentadiene | 237 | 5.807 | 5.807 | (0.871) | 117288 | 10.0000 | 7.4 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 5.878 | 5.878 | (1.195) | 329868 | 10.0000 | 10 |
| | 9 2,4,6-Trichlorophenol | 196 | 5.931 | 5.931 | (0.890) | 135207 | 10.0000 | 9.7 |
| | 10 2,4,5-Trichlorophenol | 196 | 5.972 | 5.972 | (0.896) | 139135 | 10.0000 | 9.9 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.013 | 6.013 | (0.902) | 533778 | 10.0000 | 9.4 |
| | 102 Diphenyl | 154 | 6.107 | 6.107 | (0.916) | 587673 | 10.0000 | 9.5 |
| | 36 2-Chloronaphthalene | 162 | 6.113 | 6.113 | (0.917) | 452726 | 10.0000 | 9.5 |
| | 103 Diphenyl Ether | 170 | 6.219 | 6.219 | (0.933) | 321411 | 10.0000 | 9.7 |
| | 37 2-Nitroaniline | 65 | 6.231 | 6.231 | (0.935) | 176729 | 10.0000 | 11 |
| | 123 1,3-Dimethylnaphthalene | 156 | 6.336 | 6.336 | (0.951) | 348386 | 10.0000 | 9.1 |
| | 38 Dimethylphthalate | 163 | 6.431 | 6.431 | (0.965) | 448506 | 10.0000 | 10 |
| | 114 Coumarin | 146 | 6.425 | 6.425 | (0.964) | 132191 | 10.0000 | 10 |
| | 40 2,6-Dinitrotoluene | 165 | 6.478 | 6.478 | (0.972) | 95768 | 10.0000 | 10 |
| | 39 Acenaphthylene | 152 | 6.519 | 6.519 | (0.978) | 679170 | 10.0000 | 9.7 |
| | 41 3-Nitroaniline | 138 | 6.636 | 6.636 | (0.996) | 92066 | 10.0000 | 9.9(a) |
| * | 82 Acenaphthene-d10 | 164 | 6.666 | 6.666 | (1.000) | 1559848 | 40.0000 | |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 6.719 | 6.719 | (1.008) | 405728 | 10.0000 | 9.7 |
| | 42 Acenaphthene | 154 | 6.695 | 6.695 | (1.004) | 394024 | 10.0000 | 9.8 |
| | 11 2,4-Dinitrophenol | 184 | 6.742 | 6.742 | (1.011) | 40499 | 20.0000 | 14(a) |
| | 12 4-Nitrophenol | 65 | 6.836 | 6.836 | (1.026) | 109572 | 20.0000 | 18 |
| | 44 2,4-Dinitrotoluene | 165 | 6.872 | 6.872 | (1.031) | 116419 | 10.0000 | 10 |

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2600.d
Report Date: 24-Sep-2009 14:15

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 | Dibenzofuran | 168 | 6.866 | 6.866 | (1.030) | 591803 | 10.0000 | 10 |
| | 45 | Diethylphthalate | 149 | 7.125 | 7.125 | (1.069) | 388459 | 10.0000 | 10 |
| | 47 | Fluorene | 166 | 7.201 | 7.201 | (1.080) | 457900 | 10.0000 | 10 |
| | 46 | 4-Chlorophenyl-phenylether | 204 | 7.213 | 7.213 | (1.082) | 222609 | 10.0000 | 10 |
| | 48 | 4-Nitroaniline | 138 | 7.236 | 7.236 | (1.086) | 71093 | 10.0000 | 10 |
| | 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.266 | 7.266 | (0.896) | 87242 | 20.0000 | 18 |
| | 49 | N-Nitrosodiphenylamine | 169 | 7.336 | 7.336 | (0.904) | 265702 | 10.0000 | 9.5 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 7.366 | 7.366 | (0.908) | 574596 | 10.0000 | 9.6 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 7.436 | 7.436 | (1.116) | 48450 | 10.0000 | 10 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 7.689 | 7.689 | (0.948) | 100859 | 10.0000 | 9.7 |
| | 51 | Hexachlorobenzene | 284 | 7.742 | 7.742 | (0.954) | 103578 | 10.0000 | 9.8 |
| | 112 | Atrazine | 200 | 7.872 | 7.872 | (0.970) | 92383 | 10.0000 | 10 |
| | 14 | Pentachlorophenol | 266 | 7.942 | 7.942 | (0.979) | 98331 | 20.0000 | 18 |
| | 115 | n-Octadecane | 57 | 8.066 | 8.066 | (0.994) | 332961 | 10.0000 | 7.9 |
| * | 83 | Phenanthrene-d10 | 188 | 8.113 | 8.113 | (1.000) | 1782956 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 8.130 | 8.130 | (1.002) | 510851 | 10.0000 | 9.9 |
| | 53 | Anthracene | 178 | 8.177 | 8.177 | (1.008) | 505693 | 10.0000 | 9.9 |
| | 54 | Carbazole | 167 | 8.348 | 8.348 | (1.029) | 408658 | 10.0000 | 9.9 |
| | 55 | Di-n-butylphthalate | 149 | 8.730 | 8.730 | (1.076) | 486791 | 10.0000 | 9.5 |
| | 56 | Fluoranthene | 202 | 9.289 | 9.289 | (1.145) | 411898 | 10.0000 | 9.8 |
| | 58 | Benzidine | 184 | 9.442 | 9.442 | (1.164) | 139180 | 20.0000 | 33 |
| | 57 | Pyrene | 202 | 9.507 | 9.507 | (0.886) | 406674 | 10.0000 | 10 |
| $ | 78 | Terphenyl-d14 | 244 | 9.683 | 9.683 | (0.902) | 254383 | 10.0000 | 10 |
| | 59 | Butylbenzylphthalate | 149 | 10.183 | 10.183 | (0.949) | 139732 | 10.0000 | 9.6 |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 10.713 | 10.713 | (0.998) | 140645 | 20.0000 | 21 |
| | 61 | Benzo(a)anthracene | 228 | 10.718 | 10.718 | (0.999) | 247808 | 10.0000 | 9.7 |
| * | 81 | Chrysene-d12 | 240 | 10.730 | 10.730 | (1.000) | 937704 | 40.0000 | |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 10.818 | 10.818 | (1.008) | 181159 | 10.0000 | 9.3 |
| | 62 | Chrysene | 228 | 10.754 | 10.754 | (1.002) | 230742 | 10.0000 | 9.9 |
| | 64 | Di-n-octylphthalate | 149 | 11.583 | 11.583 | (0.931) | 231452 | 10.0000 | 9.6 |
| | 65 | Benzo(b)fluoranthene | 252 | 11.971 | 11.971 | (0.962) | 173150 | 10.0000 | 10 |
| | 66 | Benzo(k)fluoranthene | 252 | 12.001 | 12.001 | (0.965) | 188110 | 10.0000 | 10 |
| | 67 | Benzo(a)pyrene | 252 | 12.371 | 12.371 | (0.994) | 134686 | 10.0000 | 8.7 |
| * | 84 | Perylene-d12 | 264 | 12.442 | 12.442 | (1.000) | 594808 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 13.783 | 13.783 | (1.108) | 102136 | 10.0000 | 7.2 |
| | 69 | Dibenz(a,h)anthracene | 278 | 13.818 | 13.818 | (1.111) | 100426 | 10.0000 | 7.6 |
| | 70 | Benzo(g,h,i)perylene | 276 | 14.106 | 14.106 | (1.134) | 116244 | 10.0000 | 9.0 |

QC Flag Legend

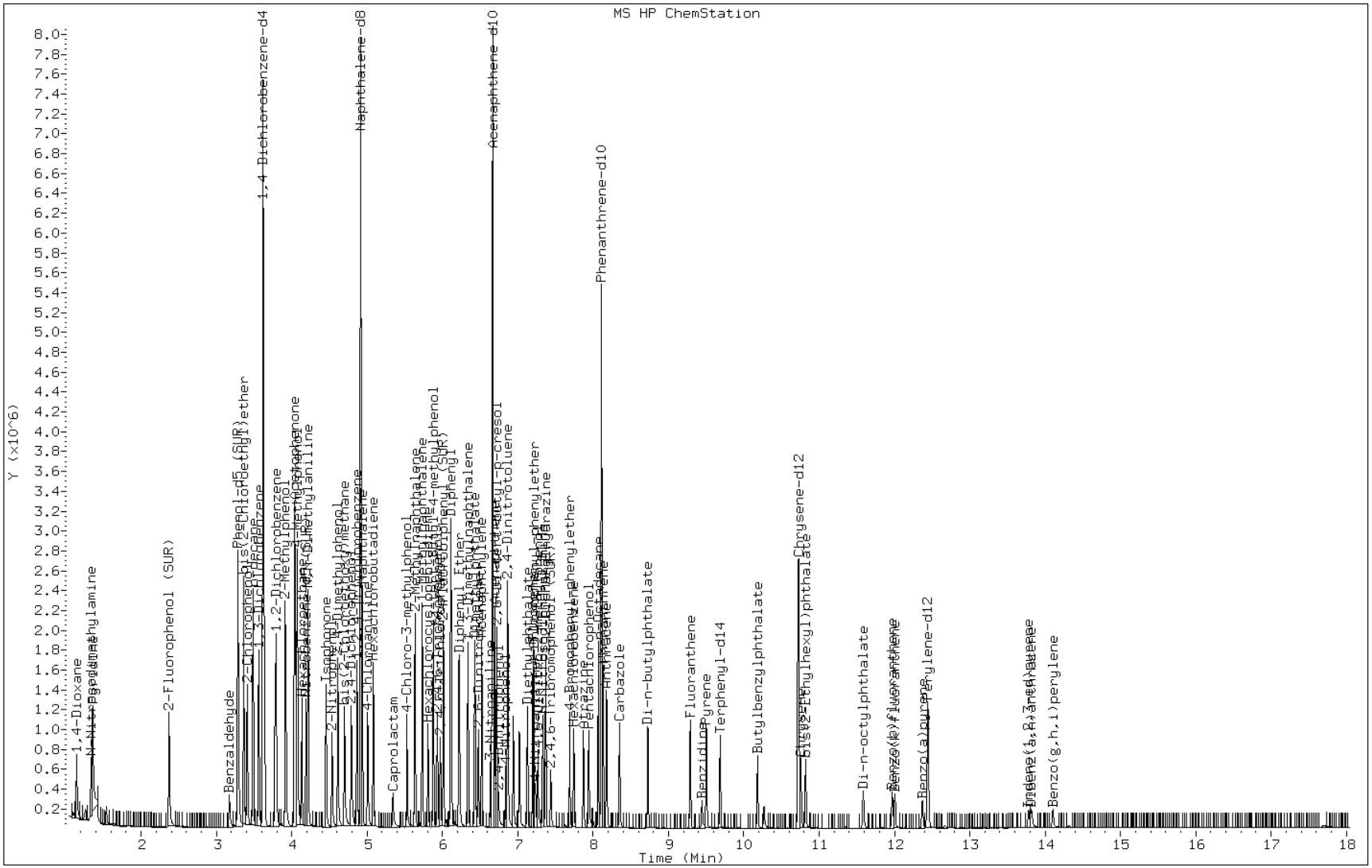
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Data File: X2600.d

Date: 24-SEP-2009 13:07

Client ID: Instrument: BNAMS5.i

Sample Info: IC-210307 Operator: BNAMS 4



# Manual Integration Report

Data File: X2600.d
Inj. Date and Time: 24-SEP-2009 13:07
Instrument ID: BNAMS5.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/26/2009

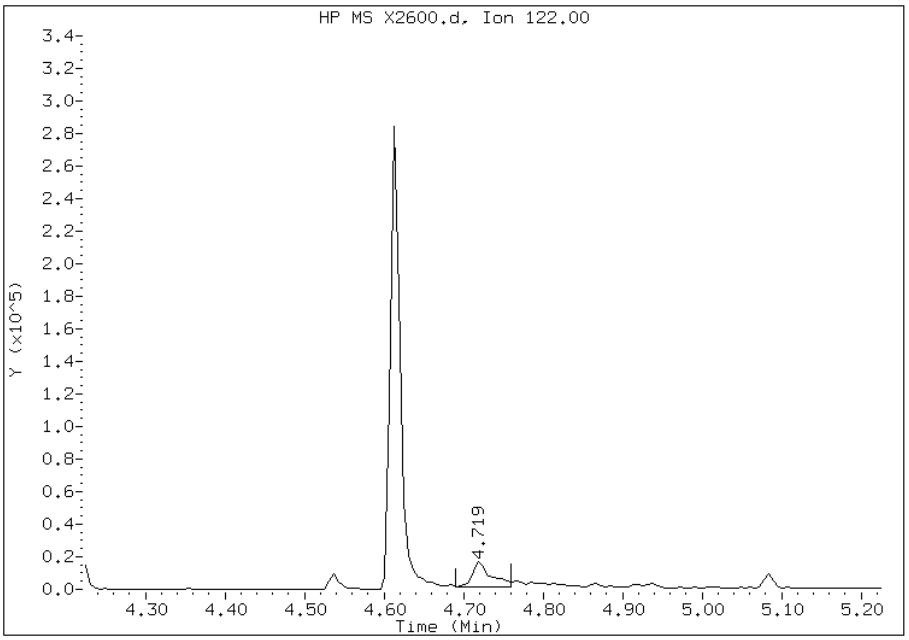
## Processing Integration Results

RT: 4.72

Response: 24362

Amount: 6

Conc: 6



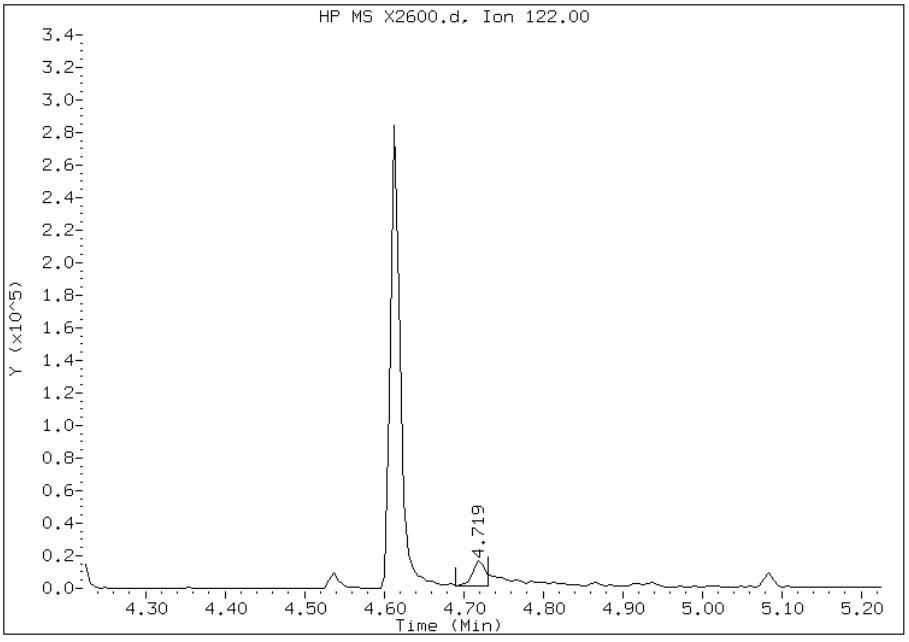

## Manual Integration Results

RT: 4.72

Response: 16700

Amount: 4

Conc: 4




Manually Integrated By: wahied
Manual Integration Reason: Peak Tailing or Fronting

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18326

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 12:10 Calibration End Date: 09/28/2009 13:02 Calibration ID: 3293

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-18326/4 | x2664.d |
| Level 2 | IC 460-18326/7 | x2667.d |
| Level 3 | IC 460-18326/6 | x2666.d |
| Level 4 | ICIS 460-18326/2 | x2662.d |
| Level 5 | IC 460-18326/5 | x2665.d |
| Level 6 | IC 460-18326/3 | x2663.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,4-Dioxane | 0.6413 0.5361 | 0.6693 | 0.6800 | 0.7369 | 0.5506 | Ave | | 0.6357 | | | | 12.3 | | 15.0 | | | |
| N-Nitrosodimethylamine | 0.7563 0.8751 | 0.8786 | 0.8813 | 0.9419 | 0.8765 | Ave | | 0.8683 | | | | 7.0 | | 15.0 | | | |
| Pyridine | 1.3930 1.5342 | 1.5155 | 1.5723 | 1.6620 | 1.5647 | Ave | | 1.5403 | | | | 5.7 | | 15.0 | | | |
| Benzaldehyde | 0.5327 +++++ | 0.4222 | 0.6061 | 0.2699 | 0.1767 | Ave | | 0.4015 | | | | 44.4 | * | 15.0 | | | |
| Aniline | 1.9018 1.8981 | 2.1425 | 2.0545 | 2.1125 | 2.0864 | Ave | | 2.0326 | | | | 5.3 | | 15.0 | | | |
| Phenol | 1.7956 1.9017 | 1.9115 | 1.8101 | 1.7677 | 1.7617 | Ave | | 1.8247 | | | | 3.6 | | 30.0 | | | |
| Bis(2-chloroethyl)ether | 1.1619 1.7759 | 1.4521 | 1.3854 | 1.4611 | 1.4931 | Ave | | 1.4549 | | | | 13.6 | | 15.0 | | | |
| 2-Chlorophenol | 1.3039 1.3412 | 1.4386 | 1.3696 | 1.3444 | 1.2965 | Ave | | 1.3490 | | | | 3.8 | | 15.0 | | | |
| n-Decane | 1.8020 1.8893 | 1.8905 | 1.8552 | 1.8886 | 1.8756 | Ave | | 1.8669 | | | | 1.8 | | 15.0 | | | |
| 2,3,7,8-TCDD | +++++ +++++ | +++++ | +++++ | 0.2171 | +++++ | Ave | | 0.2171 | | | | | | 15.0 | | | |
| 1,3-Dichlorobenzene | 1.5438 1.6658 | 1.5906 | 1.5866 | 1.6434 | 1.6498 | Ave | | 1.6133 | | | | 2.9 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.5279 1.6686 | 1.6179 | 1.5890 | 1.6705 | 1.6701 | Ave | | 1.6240 | | | | 3.6 | | 30.0 | | | |
| Benzyl alcohol | 0.6207 0.8246 | 0.7795 | 0.7593 | 0.8302 | 0.8283 | Ave | | 0.7737 | | | | 10.4 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.4120 1.5393 | 1.5008 | 1.4486 | 1.5271 | 1.5467 | Ave | | 1.4958 | | | | 3.6 | | 15.0 | | | |
| 2,2'-oxybis[1-chloropropane] | 2.0852 2.0066 | 2.1861 | 2.0442 | 2.0789 | 2.0122 | Ave | | 2.0689 | | | | 3.2 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18326

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 12:10 Calibration End Date: 09/28/2009 13:02 Calibration ID: 3293

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Methylphenol | 1.1959<br>1.1290 | 1.2179 | 1.1647 | 1.1247 | 1.0897 | Ave | | 1.1536 | | | | 4.2 | | 15.0 | | | |
| Acetophenone | 1.6422<br>1.8687 | 1.8330 | 1.7424 | 1.7595 | 1.7848 | Ave | | 1.7718 | | | | 4.5 | | 15.0 | | | |
| N-Nitrosodi-n-propylamine | 0.7314<br>+++++ | 0.9482 | 0.8998 | 0.9127 | 0.8943 | Ave | | 0.8773 | | | 0.0500 | 9.6 | | 15.0 | | | |
| 3 & 4 Methylphenol | 1.2828<br>1.2651 | 1.3080 | 1.2407 | 1.2097 | 1.2253 | Ave | | 1.2553 | | | | 2.9 | | 15.0 | | | |
| 4-Methylphenol | 1.2470<br>1.2651 | 1.3080 | 1.2407 | 1.2097 | 1.2253 | Ave | | 1.2493 | | | | 2.8 | | 15.0 | | | |
| Hexachloroethane | 0.5941<br>0.6402 | 0.6495 | 0.6298 | 0.6413 | 0.6515 | Ave | | 0.6344 | | | | 3.3 | | 15.0 | | | |
| Nitrobenzene | 0.6124<br>0.6323 | 0.5955 | 0.5796 | 0.6118 | 0.6159 | Ave | | 0.6079 | | | | 3.0 | | 15.0 | | | |
| n,n'-Dimethylaniline | 1.9974<br>2.0910 | 2.0034 | 1.9536 | 1.9964 | 2.0658 | Ave | | 2.0180 | | | | 2.5 | | 15.0 | | | |
| Isophorone | 0.6342<br>0.6831 | 0.6706 | 0.6577 | 0.6971 | 0.6708 | Ave | | 0.6689 | | | | 3.2 | | 15.0 | | | |
| 2-Nitrophenol | 0.1664<br>0.2097 | 0.1832 | 0.1773 | 0.1836 | 0.1891 | Ave | | 0.1849 | | | | 7.8 | | 30.0 | | | |
| 2,4-Dimethylphenol | 0.2860<br>0.2962 | 0.2898 | 0.2853 | 0.2835 | 0.2835 | Ave | | 0.2874 | | | | 1.7 | | 15.0 | | | |
| Bis(2-chloroethoxy)methane | 0.3830<br>0.4281 | 0.3979 | 0.3921 | 0.4060 | 0.4105 | Ave | | 0.4029 | | | | 3.9 | | 15.0 | | | |
| Benzoic acid | 0.0235<br>0.1384 | 0.0462 | 0.0690 | 0.1155 | 0.1133 | QuaF | | 10.482 | -7.860 | | | | | | 0.9959 | | 0.9900 |
| 2,4-Dichlorophenol | 0.2621<br>0.2809 | 0.2729 | 0.2626 | 0.2608 | 0.2630 | Ave | | 0.2671 | | | | 3.0 | | 30.0 | | | |
| 1,2,4-Trichlorobenzene | 0.3017<br>0.3405 | 0.3213 | 0.3157 | 0.3378 | 0.3318 | Ave | | 0.3248 | | | | 4.6 | | 15.0 | | | |
| Naphthalene | 0.9840<br>1.0034 | 1.0241 | 1.0091 | 1.0566 | 1.0961 | Ave | | 1.0289 | | | | 4.0 | | 15.0 | | | |
| 4-Chloroaniline | 0.3349<br>0.3668 | 0.3746 | 0.3550 | 0.3770 | 0.3652 | Ave | | 0.3622 | | | | 4.3 | | 15.0 | | | |
| Hexachlorobutadiene | 0.1761<br>0.1963 | 0.1841 | 0.1793 | 0.1914 | 0.1917 | Ave | | 0.1865 | | | | 4.2 | | 30.0 | | | |
| Caprolactam | 0.0398<br>0.0654 | 0.0614 | 0.0586 | 0.0732 | 0.0688 | LinF | | 0.0671 | | | | | | | 0.9956 | | 0.9900 |
| 4-Chloro-3-methylphenol | 0.2488<br>0.2562 | 0.2633 | 0.2507 | 0.2566 | 0.2420 | Ave | | 0.2529 | | | | 2.9 | | 30.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18326

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 12:10 Calibration End Date: 09/28/2009 13:02 Calibration ID: 3293

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Methylnaphthalene | 0.5911<br>0.6269 | 0.5917 | 0.5747 | 0.6156 | 0.6156 | Ave | | 0.6026 | | | | 3.3 | | 15.0 | | | |
| 1-Methylnaphthalene | 0.5750<br>0.6322 | 0.5992 | 0.5761 | 0.6065 | 0.6233 | Ave | | 0.6020 | | | | 3.9 | | 15.0 | | | |
| Hexachlorocyclopentadiene | 0.2916<br>0.4717 | 0.3038 | 0.3418 | 0.4194 | 0.4359 | LinF | | 0.4551 | | | | | | | 0.9917 | | 0.9900 |
| 2-tertbutyl-4-methylphenol | 0.3752<br>0.3741 | 0.4003 | 0.3834 | 0.4023 | 0.3944 | Ave | | 0.3883 | | | | 3.2 | | 15.0 | | | |
| 2,4,6-Trichlorophenol | 0.3395<br>0.4207 | 0.3549 | 0.3487 | 0.3699 | 0.3775 | Ave | | 0.3686 | | | | 7.9 | | 30.0 | | | |
| 2,4,5-Trichlorophenol | 0.3538<br>0.3785 | 0.3696 | 0.3778 | 0.3797 | 0.3677 | Ave | | 0.3712 | | | | 2.7 | | 15.0 | | | |
| 1,1'-Biphenyl | 1.4085<br>1.6208 | 1.4814 | 1.4771 | 1.5299 | 1.5985 | Ave | | 1.5193 | | | | 5.3 | | 15.0 | | | |
| 2-Chloronaphthalene | 1.1266<br>1.2572 | 1.1784 | 1.1915 | 1.2415 | 1.2665 | Ave | | 1.2103 | | | | 4.5 | | 15.0 | | | |
| Phenyl ether | 0.7576<br>0.8602 | 0.7982 | 0.7879 | 0.8379 | 0.8457 | Ave | | 0.8146 | | | | 4.9 | | 15.0 | | | |
| 2-Nitroaniline | 0.3813<br>0.3573 | 0.4432 | 0.4348 | 0.4567 | 0.3582 | Ave | | 0.4053 | | | | 11.1 | | 15.0 | | | |
| 1,3-Dimethylnaphthalene | 0.9164<br>1.1250 | 0.8953 | 0.9078 | 0.9550 | 0.9678 | Ave | | 0.9612 | | | | 8.8 | | 15.0 | | | |
| Coumarin | 0.3101<br>0.3672 | 0.3390 | 0.3297 | 0.3760 | 0.3646 | Ave | | 0.3478 | | | | 7.4 | | 15.0 | | | |
| Dimethyl phthalate | 1.0969<br>1.1570 | 1.1394 | 1.1176 | 1.1914 | 1.1213 | Ave | | 1.1373 | | | | 2.9 | | 15.0 | | | |
| 2,6-Dinitrotoluene | 0.2068<br>0.2525 | 0.2472 | 0.2500 | 0.2646 | 0.2547 | Ave | | 0.2460 | | | | 8.2 | | 15.0 | | | |
| Acenaphthylene | 1.6518<br>1.8311 | 1.7229 | 1.7206 | 1.8192 | 1.8231 | Ave | | 1.7614 | | | | 4.2 | | 15.0 | | | |
| 3-Nitroaniline | 0.2324<br>0.2606 | 0.2505 | 0.2458 | 0.2708 | 0.2560 | Ave | | 0.2527 | | | | 5.2 | | 15.0 | | | |
| Acenaphthene | 0.9376<br>1.0755 | 0.9857 | 1.0121 | 1.0368 | 1.0668 | Ave | | 1.0191 | | | | 5.1 | | 30.0 | | | |
| 3,5-di-tert-butyl-4-hydroxytol | 0.9484<br>1.0826 | 1.0019 | 1.0195 | 1.0000 | 1.0428 | Ave | | 1.0158 | | | | 4.4 | | 15.0 | | | |
| 2,4-Dinitrophenol | 0.0687<br>0.1351 | 0.0881 | 0.0972 | 0.1230 | 0.1278 | QuaF | | 9.3584 | -5.017 | | 0.0500 | | | | 0.9953 | | 0.9900 |
| 4-Nitrophenol | 0.1706<br>0.2123 | 0.1916 | 0.1975 | 0.2120 | 0.2062 | Ave | | 0.1984 | | | 0.0500 | 8.0 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18326

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 12:10 Calibration End Date: 09/28/2009 13:02 Calibration ID: 3293

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Dibenzofuran | 1.4139<br>1.5241 | 1.4751 | 1.4535 | 1.5120 | 1.5248 | Ave | | 1.4839 | | | | 3.0 | | 15.0 | | | |
| 2,4-Dinitrotoluene | 0.2823<br>0.3005 | 0.3027 | 0.3094 | 0.3285 | 0.3185 | Ave | | 0.3070 | | | | 5.2 | | 15.0 | | | |
| Diethyl phthalate | 0.9725<br>1.0229 | 1.0430 | 0.9952 | 1.0394 | 1.0501 | Ave | | 1.0205 | | | | 3.0 | | 15.0 | | | |
| Fluorene | 1.0862<br>1.1973 | 1.1290 | 1.1217 | 1.1576 | 1.1844 | Ave | | 1.1460 | | | | 3.6 | | 15.0 | | | |
| 4-Chlorophenyl phenyl ether | 0.5151<br>0.5648 | 0.5543 | 0.5381 | 0.5639 | 0.5695 | Ave | | 0.5510 | | | | 3.8 | | 15.0 | | | |
| 4-Nitroaniline | 0.1815<br>0.1864 | 0.1992 | 0.1960 | 0.2168 | 0.1852 | Ave | | 0.1942 | | | | 6.7 | | 15.0 | | | |
| 4,6-Dinitro-2-methylphenol | 0.1013<br>0.1460 | 0.1097 | 0.1202 | 0.1391 | 0.1437 | Ave | | 0.1267 | | | | 14.9 | | 15.0 | | | |
| N-Nitrosodiphenylamine | 0.5601<br>0.7007 | 0.5853 | 0.5594 | 0.6039 | 0.6513 | Ave | | 0.6101 | | | | 9.2 | | 30.0 | | | |
| 1,2-Diphenylhydrazine | 1.1688<br>1.3661 | 1.2282 | 1.1996 | 1.2784 | 1.3116 | Ave | | 1.2588 | | | | 5.9 | | 15.0 | | | |
| 4-Bromophenyl phenyl ether | 0.2158<br>0.2694 | 0.2357 | 0.2245 | 0.2452 | 0.2513 | Ave | | 0.2403 | | | | 8.0 | | 15.0 | | | |
| Hexachlorobenzene | 0.2469<br>0.2653 | 0.2248 | 0.2298 | 0.2459 | 0.2527 | Ave | | 0.2442 | | | | 6.1 | | 15.0 | | | |
| Atrazine | 0.1793<br>0.2050 | 0.2016 | 0.1948 | 0.2024 | 0.1917 | Ave | | 0.1958 | | | | 4.9 | | 15.0 | | | |
| Pentachlorophenol | 0.1130<br>0.1469 | 0.1181 | 0.1184 | 0.1336 | 0.1376 | Ave | | 0.1279 | | | | 10.4 | | 30.0 | | | |
| n-Octadecane | 0.6222<br>0.8285 | 0.6851 | 0.6731 | 0.7361 | 0.7608 | Ave | | 0.7176 | | | | 10.2 | | 15.0 | | | |
| Phenanthrene | 1.0590<br>1.2339 | 1.1100 | 1.0875 | 1.1490 | 1.1801 | Ave | | 1.1366 | | | | 5.7 | | 15.0 | | | |
| Anthracene | 1.0522<br>1.1967 | 1.1240 | 1.1082 | 1.1814 | 1.1564 | Ave | | 1.1365 | | | | 4.7 | | 15.0 | | | |
| Carbazole | 0.8489<br>0.9584 | 0.8890 | 0.8846 | 0.9808 | 0.9316 | Ave | | 0.9155 | | | | 5.5 | | 15.0 | | | |
| Di-n-butyl phthalate | 1.0645<br>1.3021 | 1.1154 | 1.1338 | 1.2572 | 1.2496 | Ave | | 1.1871 | | | | 8.0 | | 15.0 | | | |
| Fluoranthene | 0.8975<br>1.0185 | 0.9090 | 0.9266 | 1.0219 | 0.9866 | Ave | | 0.9600 | | | | 5.8 | | 30.0 | | | |
| Benzidine | 0.0501<br>+++++ | 0.1639 | 0.1799 | 0.0482 | 0.0336 | Ave | | 0.0951 | | | | 74.2 | * | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18326

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 12:10 Calibration End Date: 09/28/2009 13:02 Calibration ID: 3293

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Pyrene | 1.5836<br>1.8045 | 1.6774 | 1.5516 | 1.6567 | 1.6806 | Ave | | 1.6591 | | | | 5.3 | | 15.0 | | | |
| Butyl benzyl phthalate | 0.5576<br>0.6883 | 0.6197 | 0.5977 | 0.6555 | 0.6632 | Ave | | 0.6303 | | | | 7.6 | | 15.0 | | | |
| 3,3'-Dichlorobenzidine | 0.2872<br>0.2471 | 0.3114 | 0.2971 | 0.2615 | 0.2629 | Ave | | 0.2779 | | | | 8.8 | | 15.0 | | | |
| Benzo[a]anthracene | 1.2796<br>1.1579 | 1.0849 | 1.0575 | 1.1149 | 1.1291 | Ave | | 1.1373 | | | | 6.8 | | 15.0 | | | |
| Chrysene | 1.0177<br>0.9988 | 1.0382 | 0.9737 | 1.0614 | 1.0361 | Ave | | 1.0210 | | | | 3.1 | | 15.0 | | | |
| Bis(2-ethylhexyl) phthalate | 0.7408<br>0.9162 | 0.7798 | 0.7834 | 0.8482 | 0.8707 | Ave | | 0.8232 | | | | 8.0 | | 15.0 | | | |
| Di-n-octyl phthalate | 1.2299<br>2.0437 | 1.4434 | 1.5602 | 1.7379 | 1.9227 | LinF | | 1.9748 | | | | | | | 0.9916 | | 0.9900 |
| Benzo[b]fluoranthene | 0.9143<br>1.2877 | 1.1063 | 1.0772 | 1.2161 | 1.3060 | Ave | | 1.1513 | | | | 12.9 | | 15.0 | | | |
| Benzo[k]fluoranthene | 1.0324<br>1.3984 | 1.3317 | 1.3071 | 1.2945 | 1.2873 | Ave | | 1.2752 | | | | 9.8 | | 15.0 | | | |
| Benzo[a]pyrene | 0.7524<br>1.1049 | 0.9512 | 0.9421 | 1.0353 | 1.0594 | Ave | | 0.9742 | | | | 12.9 | | 30.0 | | | |
| Indeno[1,2,3-cd]pyrene | 0.4479<br>0.8905 | 0.6721 | 0.6933 | 0.8252 | 0.8327 | LinF | | 0.8656 | | | | | | | 0.9955 | | 0.9900 |
| Dibenz(a,h)anthracene | 0.4890<br>0.9151 | 0.6753 | 0.7399 | 0.7964 | 0.9159 | LinF | | 0.9011 | | | | | | | 0.9946 | | 0.9900 |
| Benzo[g,h,i]perylene | 0.6753<br>0.9151 | 0.7357 | 0.8066 | 0.8753 | 0.8970 | Ave | | 0.8175 | | | | 11.8 | | 15.0 | | | |
| 2-Fluorophenol | 1.1958<br>1.3111 | 1.2756 | 1.3086 | 1.3558 | 1.2803 | Ave | | 1.2879 | | | | 4.1 | | 15.0 | | | |
| Phenol-d5 | 1.5488<br>1.5761 | 1.6712 | 1.5694 | 1.5996 | 1.5270 | Ave | | 1.5820 | | | | 3.2 | | 15.0 | | | |
| Nitrobenzene-d5 | 0.3742<br>0.4557 | 0.4158 | 0.3974 | 0.4312 | 0.4338 | Ave | | 0.4180 | | | | 6.9 | | 15.0 | | | |
| 2-Fluorobiphenyl | 1.2415<br>1.5555 | 1.3244 | 1.3433 | 1.4348 | 1.5020 | Ave | | 1.4003 | | | | 8.4 | | 15.0 | | | |
| 2,4,6-Tribromophenol | 0.1163<br>0.1258 | 0.1191 | 0.1207 | 0.1298 | 0.1320 | Ave | | 0.1239 | | | | 5.0 | | 15.0 | | | |
| Terphenyl-d14 | 1.0055<br>1.2900 | 1.1270 | 1.0316 | 1.0985 | 1.1525 | Ave | | 1.1175 | | | | 9.1 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18326

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 12:10 Calibration End Date: 09/28/2009 13:02 Calibration ID: 3293

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-18326/4 | x2664.d |
| Level 2 | IC 460-18326/7 | x2667.d |
| Level 3 | IC 460-18326/6 | x2666.d |
| Level 4 | ICIS 460-18326/2 | x2662.d |
| Level 5 | IC 460-18326/5 | x2665.d |
| Level 6 | IC 460-18326/3 | x2663.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,4-Dioxane | DCB | Ave | 76617<br>1583116 | 176696 | 298596 | 716805 | 1023999 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| N-Nitrosodimethylamine | DCB | Ave | 90365<br>2584392 | 231962 | 386983 | 916273 | 1630166 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pyridine | DCB | Ave | 166441<br>4530604 | 400085 | 690384 | 1616736 | 2909943 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzaldehyde | DCB | Ave | 63652<br>+++++ | 111452 | 266119 | 262512 | 328691 | 5.00<br>+++++ | 10.0 | 20.0 | 50.0 | 80.0 |
| Aniline | DCB | Ave | 227227<br>5605205 | 565626 | 902119 | 2055023 | 3880325 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol | DCB | Ave | 214534<br>5616058 | 504624 | 794830 | 1719548 | 3276333 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethyl)ether | DCB | Ave | 13882<br>5244456 | 383353 | 608323 | 1421282 | 2776785 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chlorophenol | DCB | Ave | 155790<br>3960625 | 379794 | 601397 | 1307802 | 2411292 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n-Decane | DCB | Ave | 215299<br>5579244 | 499103 | 814600 | 1837172 | 3488306 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,3,7,8-TCDD | CRY | Ave | +++++<br>+++++ | +++++ | +++++ | 2278 | +++++ | +++++<br>+++++ | +++++ | +++++ | 0.500 | +++++ |
| 1,3-Dichlorobenzene | DCB | Ave | 184452<br>4919273 | 419917 | 696693 | 1598619 | 3068379 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 182560<br>4927555 | 427125 | 697747 | 1625039 | 3105993 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzyl alcohol | DCB | Ave | 74158<br>2435066 | 205789 | 333395 | 807577 | 1540469 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 168705<br>4545837 | 396211 | 636071 | 1485488 | 2876622 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,2'-oxybis[1-chloropropane] | DCB | Ave | 249142<br>5925652 | 577120 | 897599 | 2022302 | 3742286 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylphenol | DCB | Ave | 142887<br>3334137 | 321515 | 511420 | 1094073 | 2026627 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18326

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 12:10 Calibration End Date: 09/28/2009 13:02 Calibration ID: 3293

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Acetophenone | DCB | Ave | 196205<br>5518564 | 483913 | 765091 | 1711604 | 3319433 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| N-Nitrosodi-n-propylamine | DCB | Ave | 8739<br>+++++ | 250325 | 395100 | 887860 | 1663230 | 0.500<br>+++++ | 10.0 | 20.0 | 50.0 | 80.0 |
| 3 & 4 Methylphenol | DCB | Ave | 153275<br>3736106 | 345303 | 544781 | 1176772 | 2278733 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Methylphenol | DCB | Ave | 148990<br>3736106 | 345303 | 544781 | 1176772 | 2278733 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachloroethane | DCB | Ave | 7098<br>1890460 | 171480 | 276538 | 623798 | 1211569 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene | NPT | Ave | 25996<br>6153659 | 570591 | 891642 | 2007038 | 3859162 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n,n'-Dimethylaniline | DCB | Ave | 23865<br>6175018 | 528898 | 857849 | 1942053 | 3842053 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Isophorone | NPT | Ave | 269219<br>6647271 | 642571 | 1011746 | 2286984 | 4203423 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitrophenol | NPT | Ave | 70659<br>2040351 | 175563 | 272742 | 602427 | 1185187 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dimethylphenol | NPT | Ave | 121420<br>2882886 | 277723 | 438854 | 929912 | 1776348 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethoxy)methane | NPT | Ave | 162589<br>4165680 | 381310 | 603159 | 1331870 | 2572054 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzoic acid | NPT | QuaF | 9996<br>1347287 | 44243 | 106085 | 378796 | 709978 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dichlorophenol | NPT | Ave | 111266<br>2733919 | 261534 | 403992 | 855587 | 1648082 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2,4-Trichlorobenzene | NPT | Ave | 12807<br>3313330 | 307854 | 485570 | 1108029 | 2079432 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Naphthalene | NPT | Ave | 417714<br>9764898 | 981378 | 1552372 | 3466146 | 6868437 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloroaniline | NPT | Ave | 142153<br>3569283 | 358981 | 546120 | 1236663 | 2288733 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobutadiene | NPT | Ave | 14949<br>1910071 | 176416 | 275817 | 627913 | 1201406 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Caprolactam | NPT | LinF | 16883<br>636780 | 58869 | 90169 | 240227 | 431183 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloro-3-methylphenol | NPT | Ave | 105637<br>2492828 | 252281 | 385657 | 841750 | 1516473 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylnaphthalene | NPT | Ave | 250913<br>6101011 | 566948 | 884037 | 2019621 | 3857487 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1-Methylnaphthalene | NPT | Ave | 244073<br>6151976 | 574141 | 886237 | 1989588 | 3905450 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18326

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 12:10 Calibration End Date: 09/28/2009 13:02 Calibration ID: 3293

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Hexachlorocyclopentadiene | ANT | LinF | 58750<br>2024792 | 139854 | 241024 | 634152 | 1207184 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-tertbutyl-4-methylphenol | NPT | Ave | 159265<br>3640190 | 383580 | 589722 | 1319849 | 2471575 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Trichlorophenol | ANT | Ave | 68405<br>1806103 | 163405 | 245920 | 559394 | 1045466 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,5-Trichlorophenol | ANT | Ave | 71278<br>1624712 | 170146 | 266445 | 574180 | 1018551 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,1'-Biphenyl | ANT | Ave | 283762<br>6957583 | 681980 | 1041682 | 2313461 | 4427287 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chloronaphthalene | ANT | Ave | 226979<br>5396829 | 542491 | 840304 | 1877425 | 3507892 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenyl ether | ANT | Ave | 152641<br>3692692 | 367494 | 555639 | 1266997 | 2342401 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitroaniline | ANT | Ave | 153626<br>1533713 | 204036 | 306668 | 690638 | 992235 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dimethylnaphthalene | ANT | Ave | 184635<br>4829244 | 412190 | 640199 | 1444179 | 2680447 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Coumarin | ANT | Ave | 62477<br>1576089 | 156064 | 232498 | 568607 | 1009838 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dimethyl phthalate | ANT | Ave | 220990<br>4966648 | 524532 | 788137 | 1801683 | 3105614 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,6-Dinitrotoluene | ANT | Ave | 8332<br>1083725 | 113822 | 176321 | 400084 | 705526 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthylene | ANT | Ave | 332795<br>7860087 | 793168 | 1213460 | 2750947 | 5049337 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3-Nitroaniline | ANT | Ave | 93652<br>1118446 | 115314 | 173375 | 409535 | 709169 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthene | ANT | Ave | 188898<br>4616603 | 453773 | 713756 | 1567849 | 2954685 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,5-di-tert-butyl-4-hydroxytol | ANT | Ave | 191080<br>4647107 | 461246 | 718954 | 1512156 | 2888157 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dinitrophenol | ANT | QuaF | 41523<br>580003 | 81090 | 102853 | 186035 | 353934 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 4-Nitrophenol | ANT | Ave | 103141<br>911352 | 176445 | 208966 | 320648 | 571026 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| Dibenzofuran | ANT | Ave | 284865<br>6542442 | 679087 | 1025057 | 2286391 | 4223173 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dinitrotoluene | ANT | Ave | 11374<br>1289850 | 139367 | 218218 | 496691 | 882080 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Diethyl phthalate | ANT | Ave | 195919<br>4391048 | 480159 | 701885 | 1571752 | 2908449 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18326

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 12:10 Calibration End Date: 09/28/2009 13:02 Calibration ID: 3293

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Fluorene | ANT | Ave | 218837<br>5139495 | 519751 | 791091 | 1750473 | 3280460 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chlorophenyl phenyl ether | ANT | Ave | 103786<br>2424387 | 255194 | 379512 | 852699 | 1577329 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Nitroaniline | ANT | Ave | 73119<br>800100 | 91689 | 138202 | 327789 | 513083 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4,6-Dinitro-2-methylphenol | PHN | Ave | 71271<br>660386 | 116403 | 147724 | 239894 | 440822 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| N-Nitrosodiphenylamine | PHN | Ave | 131355<br>3169996 | 310428 | 458238 | 1041078 | 1998583 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Diphenylhydrazine | PHN | Ave | 274106<br>6180544 | 651412 | 982656 | 2203930 | 4024574 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Bromophenyl phenyl ether | PHN | Ave | 50612<br>1218681 | 125020 | 183900 | 422741 | 771039 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobenzene | PHN | Ave | 5790<br>1200170 | 119222 | 188246 | 423991 | 775400 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Atrazine | PHN | Ave | 42044<br>927323 | 106944 | 159546 | 348879 | 588172 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pentachlorophenol | PHN | Ave | 79526<br>664407 | 125324 | 145497 | 230400 | 422249 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| n-Octadecane | PHN | Ave | 145914<br>3748385 | 363366 | 551382 | 1269078 | 2334548 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenanthrene | PHN | Ave | 248374<br>5582341 | 588715 | 890821 | 1980832 | 3621239 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Anthracene | PHN | Ave | 246780<br>5413881 | 596134 | 907791 | 2036826 | 3548300 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Carbazole | PHN | Ave | 199079<br>4335851 | 471470 | 724628 | 1690992 | 2858524 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-butyl phthalate | PHN | Ave | 249652<br>5890912 | 591558 | 928766 | 2167436 | 3834460 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluoranthene | PHN | Ave | 210480<br>4607722 | 482097 | 759036 | 1761779 | 3027455 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzidine | PHN | Ave | 11748<br>+++++ | 173809 | 221048 | 83151 | 103008 | 5.00<br>+++++ | 20.0 | 30.0 | 50.0 | 80.0 |
| Pyrene | CRY | Ave | 205085<br>4521898 | 470344 | 742447 | 1738500 | 2887624 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Butyl benzyl phthalate | CRY | Ave | 72213<br>1724849 | 173768 | 286005 | 687902 | 1139541 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,3'-Dichlorobenzidine | CRY | Ave | 74398<br>619246 | 174645 | 213228 | 274419 | 451760 | 10.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| Benzo[a]anthracene | CRY | Ave | 16571<br>2901592 | 304214 | 506025 | 1170004 | 1940062 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 18326

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2009 12:10 Calibration End Date: 09/28/2009 13:02 Calibration ID: 3293

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Chrysene | CRY | Ave | 131799<br>2502869 | 291107 | 465910 | 1113824 | 1780231 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-ethylhexyl) phthalate | CRY | Ave | 95933<br>2295959 | 218660 | 374861 | 890057 | 1495994 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-octyl phthalate | PRY | LinF | 108435<br>3138176 | 253321 | 487902 | 1250192 | 2099758 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[b]fluoranthene | PRY | Ave | 8061<br>1977291 | 194161 | 336864 | 874866 | 1426260 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[k]fluoranthene | PRY | Ave | 9102<br>2147344 | 233720 | 408733 | 931268 | 1405865 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[a]pyrene | PRY | Ave | 6633<br>1696677 | 166946 | 294595 | 744806 | 1157006 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Indeno[1,2,3-cd]pyrene | PRY | LinF | 3949<br>1367428 | 117960 | 216805 | 593624 | 909336 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenz(a,h)anthracene | PRY | LinF | 4311<br>1405206 | 118528 | 231358 | 572925 | 1000249 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 59541<br>1405099 | 129112 | 252226 | 629672 | 979550 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorophenol | DCB | Ave | 142877<br>3871730 | 336758 | 574627 | 1318891 | 2381122 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol-d5 | DCB | Ave | 185051<br>4654443 | 441196 | 689129 | 1556063 | 2839848 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene-d5 | NPT | Ave | 158855<br>4435117 | 398425 | 611256 | 1414519 | 2718049 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorobiphenyl | ANT | Ave | 250129<br>6677108 | 609736 | 947334 | 2169675 | 4160070 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Tribromophenol | ANT | Ave | 23435<br>539976 | 54839 | 85087 | 196232 | 365500 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Terphenyl-d14 | CRY | Ave | 130218<br>3232690 | 316001 | 493639 | 1152716 | 1980159 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2662.d
Report Date: 28-Sep-2009 14:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2662.d
Lab Smp Id: ICIS-210292
Inj Date : 28-SEP-2009 12:10
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : ICIS-210292
Misc Info : 50 ppm bna 4407
Comment :
Method : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/8270C_08SP.m
Meth Date : 28-Sep-2009 14:35 croccom Quant Type: ISTD
Cal Date : 28-SEP-2009 12:10 Cal File: x2662.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.040 | 1.040 | (0.295) | 716805 | 50.0000 | 58 |
| | 19 N-Nitrosodimethylamine | 74 | 1.234 | 1.234 | (0.350) | 916273 | 50.0000 | 54 |
| | 71 Pyridine | 79 | 1.252 | 1.252 | (0.355) | 1616736 | 50.0000 | 54 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.275 | 2.275 | (0.645) | 1318891 | 50.0000 | 53 |
| | 110 Benzaldehyde | 77 | 3.069 | 3.069 | (0.870) | 262512 | 50.0000 | 34 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.199 | 3.199 | (0.907) | 1556063 | 50.0000 | 50 |
| | 1 Phenol | 94 | 3.216 | 3.216 | (0.912) | 1719548 | 50.0000 | 48 |
| | 73 Aniline | 93 | 3.193 | 3.193 | (0.905) | 2055023 | 50.0000 | 52 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.275 | 3.275 | (0.928) | 1421282 | 50.0000 | 50 |
| | 2 2-Chlorophenol | 128 | 3.316 | 3.316 | (0.940) | 1307802 | 50.0000 | 50 |
| | 113 n-decane | 43 | 3.399 | 3.399 | (0.963) | 1837172 | 50.0000 | 50 |
| | 21 1,3-Dichlorobenzene | 146 | 3.469 | 3.469 | (0.983) | 1598619 | 50.0000 | 51 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.528 | 3.528 | (1.000) | 778219 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.546 | 3.546 | (1.005) | 1625039 | 50.0000 | 51 |
| | 74 Benzyl Alcohol | 108 | 3.699 | 3.699 | (1.048) | 807577 | 50.0000 | 54 |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2662.d
Report Date: 28-Sep-2009 14:35

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 23 | 1,2-Dichlorobenzene | 146 | 3.704 | 3.704 | (1.050) | 1485488 | 50.0000 | 51 |
| | 3 | 2-Methylphenol | 108 | 3.840 | 3.840 | (1.088) | 1094073 | 50.0000 | 49 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 3.840 | 3.840 | (1.088) | 2022302 | 50.0000 | 50 |
| | 4 | 4-Methylphenol | 108 | 4.004 | 4.004 | (1.135) | 1176772 | 50.0000 | 48 |
| | 124 | 3 & 4 Methylphenol | 108 | 4.004 | 4.004 | (1.135) | 1176772 | 50.0000 | 48(A) |
| | 104 | Acetophenone | 105 | 3.969 | 3.969 | (1.125) | 1711604 | 50.0000 | 50 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 3.987 | 3.987 | (1.130) | 887860 | 50.0000 | 52 |
| | 26 | Hexachloroethane | 117 | 4.051 | 4.051 | (1.148) | 623798 | 50.0000 | 50 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 4.116 | 4.116 | (0.849) | 1414519 | 50.0000 | 52 |
| | 27 | Nitrobenzene | 77 | 4.140 | 4.140 | (0.854) | 2007038 | 50.0000 | 50 |
| | 107 | N,N-Dimethylaniline | 120 | 4.146 | 4.146 | (1.175) | 1942053 | 50.0000 | 49 |
| | 28 | Isophorone | 82 | 4.387 | 4.387 | (0.905) | 2286984 | 50.0000 | 52 |
| | 5 | 2-Nitrophenol | 139 | 4.463 | 4.463 | (0.921) | 602427 | 50.0000 | 50 |
| | 6 | 2,4-Dimethylphenol | 122 | 4.546 | 4.546 | (0.938) | 929912 | 50.0000 | 49 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 4.634 | 4.634 | (0.956) | 1331870 | 50.0000 | 50 |
| | 15 | Benzoic Acid | 122 | 4.716 | 4.716 | (0.973) | 378796 | 50.0000 | 54 |
| | 7 | 2,4-Dichlorophenol | 162 | 4.722 | 4.722 | (0.974) | 855587 | 50.0000 | 49 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 4.793 | 4.793 | (0.989) | 1108029 | 50.0000 | 52 |
| * | 80 | Naphthalene-d8 | 136 | 4.846 | 4.846 | (1.000) | 2624465 | 40.0000 | |
| | 31 | Naphthalene | 128 | 4.863 | 4.863 | (1.004) | 3466146 | 50.0000 | 51 |
| | 32 | 4-Chloroaniline | 127 | 4.940 | 4.940 | (1.019) | 1236663 | 50.0000 | 52 |
| | 33 | Hexachlorobutadiene | 225 | 5.016 | 5.016 | (1.035) | 627913 | 50.0000 | 51 |
| | 111 | Caprolactam | 113 | 5.328 | 5.328 | (1.100) | 240227 | 50.0000 | 54(H) |
| | 8 | 4-Chloro-3-methylphenol | 107 | 5.475 | 5.475 | (1.130) | 841750 | 50.0000 | 51 |
| | 34 | 2-Methylnaphthalene | 142 | 5.569 | 5.569 | (1.149) | 2019621 | 50.0000 | 51 |
| | 120 | 1-Methylnaphthalene | 142 | 5.669 | 5.669 | (1.170) | 1989588 | 50.0000 | 50 |
| | 35 | Hexachlorocyclopentadiene | 237 | 5.745 | 5.745 | (0.870) | 634152 | 50.0000 | 46 |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 5.828 | 5.828 | (1.203) | 1319849 | 50.0000 | 52 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 5.875 | 5.875 | (0.890) | 559394 | 50.0000 | 50 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 5.910 | 5.910 | (0.895) | 574180 | 50.0000 | 51 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 5.957 | 5.957 | (0.902) | 2169675 | 50.0000 | 51 |
| | 102 | Diphenyl | 154 | 6.051 | 6.051 | (0.916) | 2313461 | 50.0000 | 50 |
| | 36 | 2-Chloronaphthalene | 162 | 6.057 | 6.057 | (0.917) | 1877425 | 50.0000 | 51 |
| | 103 | Diphenyl Ether | 170 | 6.157 | 6.157 | (0.932) | 1266997 | 50.0000 | 51 |
| | 37 | 2-Nitroaniline | 65 | 6.175 | 6.175 | (0.935) | 690638 | 50.0000 | 56 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 6.281 | 6.281 | (0.951) | 1444179 | 50.0000 | 50 |
| | 38 | Dimethylphthalate | 163 | 6.381 | 6.381 | (0.966) | 1801683 | 50.0000 | 52 |
| | 114 | Coumarin | 146 | 6.369 | 6.369 | (0.964) | 568607 | 50.0000 | 54 |
| | 40 | 2,6-Dinitrotoluene | 165 | 6.428 | 6.428 | (0.973) | 400084 | 50.0000 | 54 |
| | 39 | Acenaphthylene | 152 | 6.463 | 6.463 | (0.979) | 2750947 | 50.0000 | 52 |
| | 41 | 3-Nitroaniline | 138 | 6.587 | 6.587 | (0.997) | 409535 | 50.0000 | 54 |
| * | 82 | Acenaphthene-d10 | 164 | 6.604 | 6.604 | (1.000) | 1209760 | 40.0000 | |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 6.669 | 6.669 | (1.010) | 1512156 | 50.0000 | 49 |
| | 42 | Acenaphthene | 154 | 6.640 | 6.640 | (1.005) | 1567849 | 50.0000 | 51 |
| | 11 | 2,4-Dinitrophenol | 184 | 6.692 | 6.692 | (1.013) | 186035 | 50.0000 | 53 |
| | 12 | 4-Nitrophenol | 65 | 6.792 | 6.792 | (1.028) | 320648 | 50.0000 | 53 |
| | 44 | 2,4-Dinitrotoluene | 165 | 6.822 | 6.822 | (1.033) | 496691 | 50.0000 | 53 |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2662.d
Report Date: 28-Sep-2009 14:35

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 Dibenzofuran | 168 | 6.810 | 6.810 | (1.031) | 2286391 | 50.0000 | 51 |
| | 45 Diethylphthalate | 149 | 7.081 | 7.081 | (1.072) | 1571752 | 50.0000 | 51 |
| | 47 Fluorene | 166 | 7.145 | 7.145 | (1.082) | 1750473 | 50.0000 | 50 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.163 | 7.163 | (1.085) | 852699 | 50.0000 | 51 |
| | 48 4-Nitroaniline | 138 | 7.192 | 7.192 | (1.089) | 327789 | 50.0000 | 56 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.222 | 7.222 | (0.896) | 239894 | 50.0000 | 55 |
| | 49 N-Nitrosodiphenylamine | 169 | 7.287 | 7.287 | (0.904) | 1041078 | 50.0000 | 49 |
| | 75 1,2-Diphenylhydrazine | 77 | 7.316 | 7.316 | (0.908) | 2203930 | 50.0000 | 51 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.387 | 7.387 | (1.118) | 196232 | 50.0000 | 52 |
| | 50 4-Bromophenyl-phenylether | 248 | 7.639 | 7.639 | (0.948) | 422741 | 50.0000 | 51 |
| | 51 Hexachlorobenzene | 284 | 7.692 | 7.692 | (0.955) | 423991 | 50.0000 | 50 |
| | 112 Atrazine | 200 | 7.834 | 7.834 | (0.972) | 348879 | 50.0000 | 52 |
| | 14 Pentachlorophenol | 266 | 7.887 | 7.887 | (0.979) | 230400 | 50.0000 | 52 |
| | 115 n-Octadecane | 57 | 8.028 | 8.028 | (0.996) | 1269078 | 50.0000 | 51 |
| * | 83 Phenanthrene-d10 | 188 | 8.057 | 8.057 | (1.000) | 1379225 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.081 | 8.081 | (1.003) | 1980832 | 50.0000 | 50 |
| | 53 Anthracene | 178 | 8.128 | 8.128 | (1.009) | 2036826 | 50.0000 | 52 |
| | 54 Carbazole | 167 | 8.298 | 8.298 | (1.030) | 1690992 | 50.0000 | 54 |
| | 55 Di-n-butylphthalate | 149 | 8.686 | 8.686 | (1.078) | 2167436 | 50.0000 | 53 |
| | 56 Fluoranthene | 202 | 9.239 | 9.239 | (1.147) | 1761779 | 50.0000 | 53 |
| | 58 Benzidine | 184 | 9.392 | 9.392 | (1.166) | 83151 | 50.0000 | 25 |
| | 57 Pyrene | 202 | 9.451 | 9.451 | (0.885) | 1738500 | 50.0000 | 50 |
| $ | 78 Terphenyl-d14 | 244 | 9.639 | 9.639 | (0.903) | 1152716 | 50.0000 | 49 |
| | 59 Butylbenzylphthalate | 149 | 10.139 | 10.139 | (0.950) | 687902 | 50.0000 | 52 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 10.204 | 10.204 | (0.956) | 2278 | 0.50000 | 0.50 |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.657 | 10.657 | (0.998) | 274419 | 50.0000 | 47 |
| | 61 Benzo(a)anthracene | 228 | 10.663 | 10.663 | (0.999) | 1170004 | 50.0000 | 49 |
| * | 81 Chrysene-d12 | 240 | 10.675 | 10.675 | (1.000) | 839512 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.775 | 10.775 | (1.009) | 890057 | 50.0000 | 52 |
| | 62 Chrysene | 228 | 10.698 | 10.698 | (1.002) | 1113824 | 50.0000 | 52 |
| | 64 Di-n-octylphthalate | 149 | 11.533 | 11.533 | (0.932) | 1250192 | 50.0000 | 44 |
| | 65 Benzo(b)fluoranthene | 252 | 11.904 | 11.904 | (0.962) | 874866 | 50.0000 | 53 |
| | 66 Benzo(k)fluoranthene | 252 | 11.939 | 11.939 | (0.965) | 931268 | 50.0000 | 51 |
| | 67 Benzo(a)pyrene | 252 | 12.298 | 12.298 | (0.994) | 744806 | 50.0000 | 53 |
| * | 84 Perylene-d12 | 264 | 12.369 | 12.369 | (1.000) | 575502 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.704 | 13.704 | (1.108) | 593624 | 50.0000 | 48 |
| | 69 Dibenz(a,h)anthracene | 278 | 13.739 | 13.739 | (1.111) | 572925 | 50.0000 | 44 |
| | 70 Benzo(g,h,i)perylene | 276 | 14.021 | 14.021 | (1.134) | 629672 | 50.0000 | 54 |

QC Flag Legend

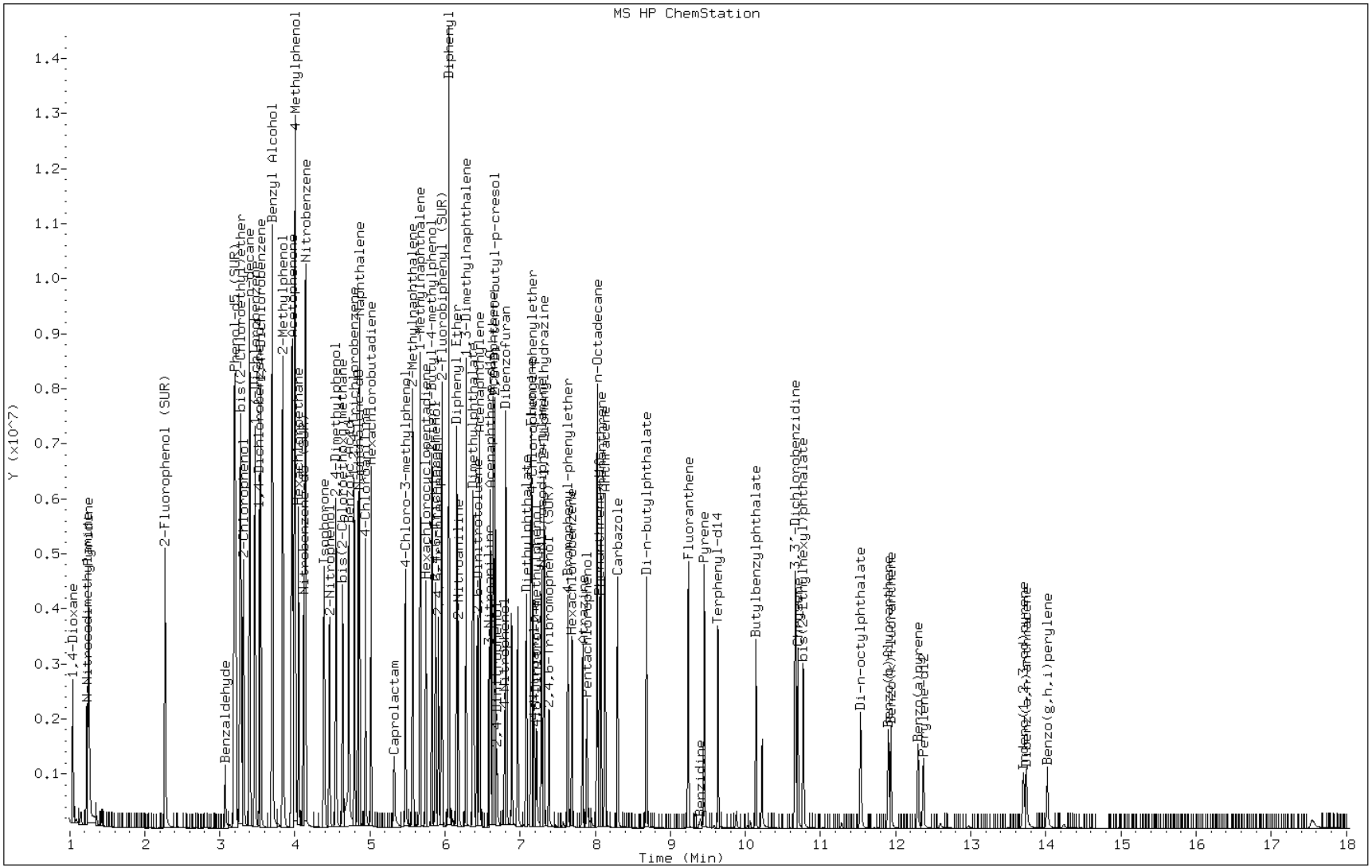
A - Target compound detected but, quantitated amount
exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: x2662.d

Date: 28-SEP-2009 12:10

Client ID: Instrument: BNAMS5.i

Sample Info: ICIS-210292 Operator: BNAMS 4



Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2663.d
Report Date: 28-Sep-2009 14:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2663.d
Lab Smp Id: IC-210298
Inj Date : 28-SEP-2009 12:37
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-210298
Misc Info : 120 ppm bna 4407
Comment :
Method : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/8270C_08SP.m
Meth Date : 28-Sep-2009 14:35 croccom Quant Type: ISTD
Cal Date : 28-SEP-2009 12:10 Cal File: x2662.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.146 | 1.146 | (0.323) | 1583116 | 120.000 | 100(H) |
| | 19 N-Nitrosodimethylamine | 74 | 1.381 | 1.381 | (0.389) | 2584392 | 120.000 | 120(AH) |
| | 71 Pyridine | 79 | 1.393 | 1.393 | (0.392) | 4530604 | 120.000 | 120(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.351 | 2.351 | (0.662) | 3871730 | 120.000 | 120(AH) |
| | 110 Benzaldehyde | 77 | 3.104 | 3.104 | (0.874) | 186340 | 120.000 | 19 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.245 | 3.245 | (0.914) | 4654443 | 120.000 | 120 |
| | 1 Phenol | 94 | 3.263 | 3.263 | (0.919) | 5616058 | 120.000 | 120(A) |
| | 73 Aniline | 93 | 3.228 | 3.228 | (0.909) | 5605205 | 120.000 | 110 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.322 | 3.322 | (0.935) | 5244456 | 120.000 | 150(A) |
| | 2 2-Chlorophenol | 128 | 3.357 | 3.357 | (0.945) | 3960625 | 120.000 | 120 |
| | 113 n-decane | 43 | 3.416 | 3.416 | (0.962) | 5579244 | 120.000 | 120(A) |
| | 21 1,3-Dichlorobenzene | 146 | 3.498 | 3.498 | (0.985) | 4919273 | 120.000 | 120(A) |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.551 | 3.551 | (1.000) | 984374 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.569 | 3.569 | (1.005) | 4927555 | 120.000 | 120(A) |
| | 74 Benzyl Alcohol | 108 | 3.728 | 3.728 | (1.050) | 2435066 | 120.000 | 130(A) |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2663.d
Report Date: 28-Sep-2009 14:35

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 23 1,2-Dichlorobenzene | 146 | 3.722 | 3.722 | (1.048) | 4545837 | 120.000 | 120(A) |
| | 3 2-Methylphenol | 108 | 3.875 | 3.875 | (1.091) | 3334137 | 120.000 | 120 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 3.857 | 3.857 | (1.086) | 5925652 | 120.000 | 120 |
| | 4 4-Methylphenol | 108 | 4.045 | 4.045 | (1.139) | 3736106 | 120.000 | 120(A) |
| | 124 3 & 4 Methylphenol | 108 | 4.045 | 4.045 | (1.139) | 3736106 | 120.000 | 120(A) |
| | 104 Acetophenone | 105 | 4.004 | 4.004 | (1.128) | 5518564 | 120.000 | 130(A) |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.022 | 4.022 | (1.133) | 2802476 | 120.000 | 130(AMH) |
| | 26 Hexachloroethane | 117 | 4.063 | 4.063 | (1.144) | 1890460 | 120.000 | 120(A) |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.151 | 4.151 | (0.855) | 4435117 | 120.000 | 130(A) |
| | 27 Nitrobenzene | 77 | 4.175 | 4.175 | (0.860) | 6153659 | 120.000 | 120(A) |
| | 107 N,N-Dimethylaniline | 120 | 4.175 | 4.175 | (1.176) | 6175018 | 120.000 | 120(A) |
| | 28 Isophorone | 82 | 4.422 | 4.422 | (0.910) | 6647271 | 120.000 | 120(A) |
| | 5 2-Nitrophenol | 139 | 4.481 | 4.481 | (0.922) | 2040351 | 120.000 | 140(A) |
| | 6 2,4-Dimethylphenol | 122 | 4.575 | 4.575 | (0.942) | 2882886 | 120.000 | 120(A) |
| | 29 bis(2-Chloroethoxy)methane | 93 | 4.651 | 4.651 | (0.958) | 4165680 | 120.000 | 130(A) |
| | 15 Benzoic Acid | 122 | 4.804 | 4.804 | (0.989) | 1347287 | 120.000 | 120(M) |
| | 7 2,4-Dichlorophenol | 162 | 4.745 | 4.745 | (0.977) | 2733919 | 120.000 | 130(A) |
| | 30 1,2,4-Trichlorobenzene | 180 | 4.810 | 4.810 | (0.990) | 3313330 | 120.000 | 120(A) |
| * | 80 Naphthalene-d8 | 136 | 4.857 | 4.857 | (1.000) | 3243843 | 40.0000 | |
| | 31 Naphthalene | 128 | 4.881 | 4.881 | (1.005) | 9764898 | 120.000 | 120 |
| | 32 4-Chloroaniline | 127 | 4.957 | 4.957 | (1.021) | 3569283 | 120.000 | 120(A) |
| | 33 Hexachlorobutadiene | 225 | 5.022 | 5.022 | (1.034) | 1910071 | 120.000 | 130(A) |
| | 111 Caprolactam | 113 | 5.422 | 5.422 | (1.116) | 636780 | 120.000 | 120(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 5.498 | 5.498 | (1.132) | 2492828 | 120.000 | 120(A) |
| | 34 2-Methylnaphthalene | 142 | 5.581 | 5.581 | (1.149) | 6101011 | 120.000 | 120(A) |
| | 120 1-Methylnaphthalene | 142 | 5.681 | 5.681 | (1.170) | 6151976 | 120.000 | 130(A) |
| | 35 Hexachlorocyclopentadiene | 237 | 5.751 | 5.751 | (0.870) | 2024792 | 120.000 | 120(A) |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 5.839 | 5.839 | (1.202) | 3640190 | 120.000 | 120 |
| | 9 2,4,6-Trichlorophenol | 196 | 5.886 | 5.886 | (0.891) | 1806103 | 120.000 | 140(A) |
| | 10 2,4,5-Trichlorophenol | 196 | 5.934 | 5.934 | (0.898) | 1624712 | 120.000 | 120(A) |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 5.969 | 5.969 | (0.903) | 6677108 | 120.000 | 130(A) |
| | 102 Diphenyl | 154 | 6.063 | 6.063 | (0.917) | 6957583 | 120.000 | 130(A) |
| | 36 2-Chloronaphthalene | 162 | 6.069 | 6.069 | (0.918) | 5396829 | 120.000 | 120(A) |
| | 103 Diphenyl Ether | 170 | 6.169 | 6.169 | (0.933) | 3692692 | 120.000 | 130(A) |
| | 37 2-Nitroaniline | 65 | 6.192 | 6.192 | (0.937) | 1533713 | 120.000 | 100(H) |
| | 123 1,3-Dimethylnaphthalene | 156 | 6.292 | 6.292 | (0.952) | 4829244 | 120.000 | 140(A) |
| | 38 Dimethylphthalate | 163 | 6.398 | 6.398 | (0.968) | 4966648 | 120.000 | 120(A) |
| | 114 Coumarin | 146 | 6.392 | 6.392 | (0.967) | 1576089 | 120.000 | 130(A) |
| | 40 2,6-Dinitrotoluene | 165 | 6.445 | 6.445 | (0.975) | 1083725 | 120.000 | 120(A) |
| | 39 Acenaphthylene | 152 | 6.475 | 6.475 | (0.980) | 7860087 | 120.000 | 120(A) |
| | 41 3-Nitroaniline | 138 | 6.610 | 6.610 | (1.000) | 1118446 | 120.000 | 120(A) |
| * | 82 Acenaphthene-d10 | 164 | 6.610 | 6.610 | (1.000) | 1430874 | 40.0000 | |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 6.681 | 6.681 | (1.011) | 4647107 | 120.000 | 130(A) |
| | 42 Acenaphthene | 154 | 6.651 | 6.651 | (1.006) | 4616603 | 120.000 | 130(A) |
| | 11 2,4-Dinitrophenol | 184 | 6.710 | 6.710 | (1.015) | 580003 | 120.000 | 120 |
| | 12 4-Nitrophenol | 65 | 6.810 | 6.810 | (1.030) | 911352 | 120.000 | 130(A) |
| | 44 2,4-Dinitrotoluene | 165 | 6.845 | 6.845 | (1.036) | 1289850 | 120.000 | 120 |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2663.d
Report Date: 28-Sep-2009 14:35

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 43 Dibenzofuran | 168 | 6.822 | 6.822 | (1.032) | 6542442 | 120.000 | 120(A) |
| | 45 Diethylphthalate | 149 | 7.098 | 7.098 | (1.074) | 4391048 | 120.000 | 120(A) |
| | 47 Fluorene | 166 | 7.157 | 7.157 | (1.083) | 5139495 | 120.000 | 120(A) |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.175 | 7.175 | (1.085) | 2424387 | 120.000 | 120(A) |
| | 48 4-Nitroaniline | 138 | 7.216 | 7.216 | (1.092) | 800100 | 120.000 | 120 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.245 | 7.245 | (0.899) | 660386 | 120.000 | 140(A) |
| | 49 N-Nitrosodiphenylamine | 169 | 7.298 | 7.298 | (0.905) | 3169996 | 120.000 | 140(A) |
| | 75 1,2-Diphenylhydrazine | 77 | 7.328 | 7.328 | (0.909) | 6180544 | 120.000 | 130(A) |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.398 | 7.398 | (1.119) | 539976 | 120.000 | 120(A) |
| | 50 4-Bromophenyl-phenylether | 248 | 7.645 | 7.645 | (0.948) | 1218681 | 120.000 | 130(A) |
| | 51 Hexachlorobenzene | 284 | 7.698 | 7.698 | (0.955) | 1200170 | 120.000 | 130(A) |
| | 112 Atrazine | 200 | 7.845 | 7.845 | (0.973) | 927323 | 120.000 | 120(A) |
| | 14 Pentachlorophenol | 266 | 7.898 | 7.898 | (0.980) | 664407 | 120.000 | 140(A) |
| | 115 n-Octadecane | 57 | 8.033 | 8.033 | (0.996) | 3748385 | 120.000 | 140(A) |
| * | 83 Phenanthrene-d10 | 188 | 8.063 | 8.063 | (1.000) | 1508043 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.092 | 8.092 | (1.004) | 5582341 | 120.000 | 130(A) |
| | 53 Anthracene | 178 | 8.139 | 8.139 | (1.009) | 5413881 | 120.000 | 130(A) |
| | 54 Carbazole | 167 | 8.310 | 8.310 | (1.031) | 4335851 | 120.000 | 120(A) |
| | 55 Di-n-butylphthalate | 149 | 8.692 | 8.692 | (1.078) | 5890912 | 120.000 | 130(A) |
| | 56 Fluoranthene | 202 | 9.245 | 9.245 | (1.147) | 4607722 | 120.000 | 130(A) |
| | 58 Benzidine | 184 | 9.398 | 9.398 | (1.166) | 83285 | 120.000 | 23 |
| | 57 Pyrene | 202 | 9.463 | 9.463 | (0.886) | 4521898 | 120.000 | 130(A) |
| $ | 78 Terphenyl-d14 | 244 | 9.645 | 9.645 | (0.903) | 3232690 | 120.000 | 140(A) |
| | 59 Butylbenzylphthalate | 149 | 10.145 | 10.145 | (0.950) | 1724849 | 120.000 | 130(A) |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.663 | 10.663 | (0.998) | 619246 | 120.000 | 110 |
| | 61 Benzo(a)anthracene | 228 | 10.668 | 10.668 | (0.999) | 2901592 | 120.000 | 120(A) |
| * | 81 Chrysene-d12 | 240 | 10.680 | 10.680 | (1.000) | 835303 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.774 | 10.774 | (1.009) | 2295959 | 120.000 | 130(A) |
| | 62 Chrysene | 228 | 10.710 | 10.710 | (1.003) | 2502869 | 120.000 | 120 |
| | 64 Di-n-octylphthalate | 149 | 11.539 | 11.539 | (0.932) | 3138176 | 120.000 | 120(A) |
| | 65 Benzo(b)fluoranthene | 252 | 11.910 | 11.910 | (0.962) | 1977291 | 120.000 | 130(A) |
| | 66 Benzo(k)fluoranthene | 252 | 11.951 | 11.951 | (0.966) | 2147344 | 120.000 | 130(A) |
| | 67 Benzo(a)pyrene | 252 | 12.304 | 12.304 | (0.994) | 1696677 | 120.000 | 140(A) |
| * | 84 Perylene-d12 | 264 | 12.374 | 12.374 | (1.000) | 511843 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.709 | 13.709 | (1.108) | 1367428 | 120.000 | 120(A) |
| | 69 Dibenz(a,h)anthracene | 278 | 13.751 | 13.751 | (1.111) | 1405206 | 120.000 | 120(A) |
| | 70 Benzo(g,h,i)perylene | 276 | 14.033 | 14.033 | (1.134) | 1405099 | 120.000 | 130(A) |

QC Flag Legend

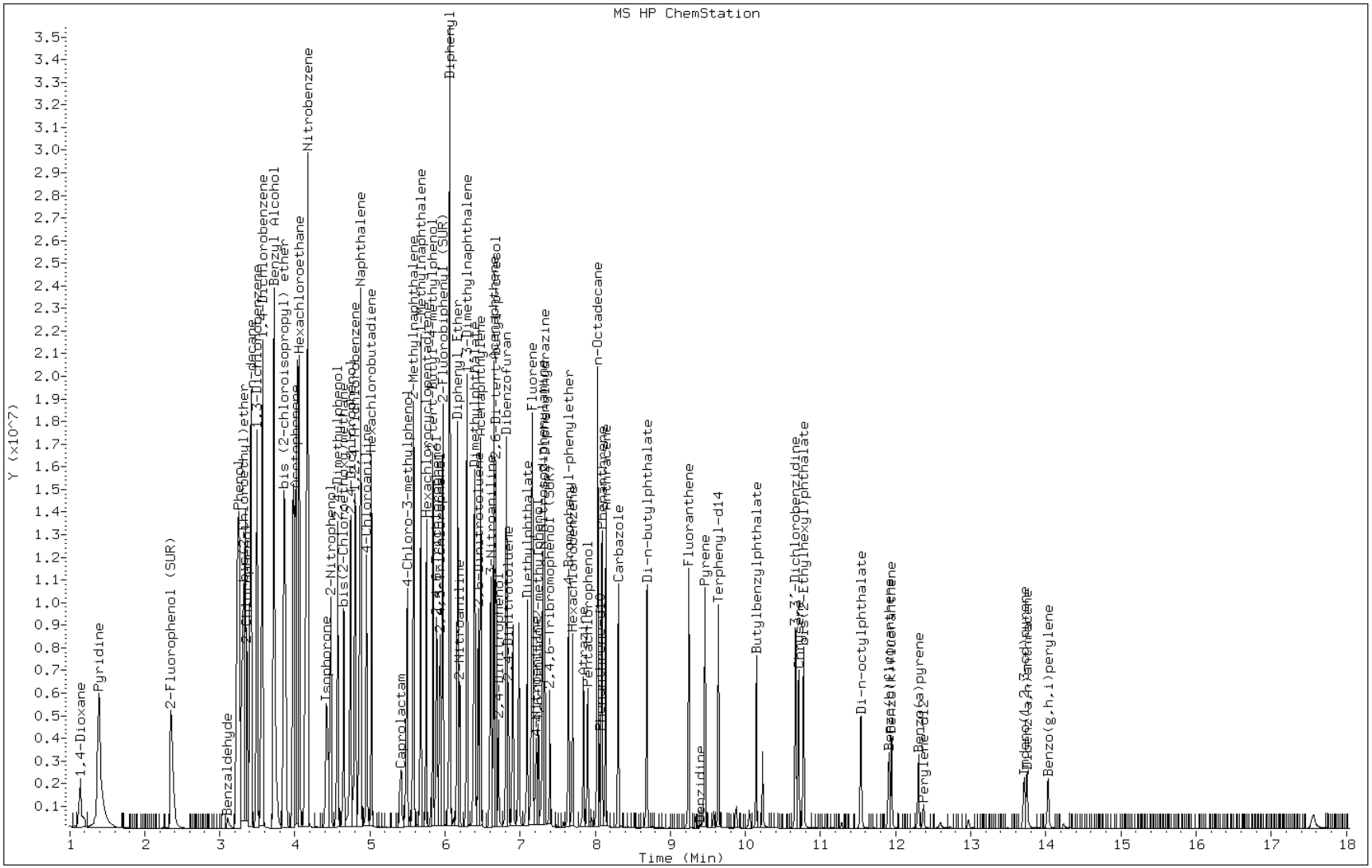
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: x2663.d

Date: 28-SEP-2009 12:37

Client ID: Instrument: BNAMS5.i

Sample Info: IC-210298 Operator: BNAMS 4



# Manual Integration Report

Data File: x2663.d
Inj. Date and Time: 28-SEP-2009 12:37
Instrument ID: BNAMS5.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/29/2009

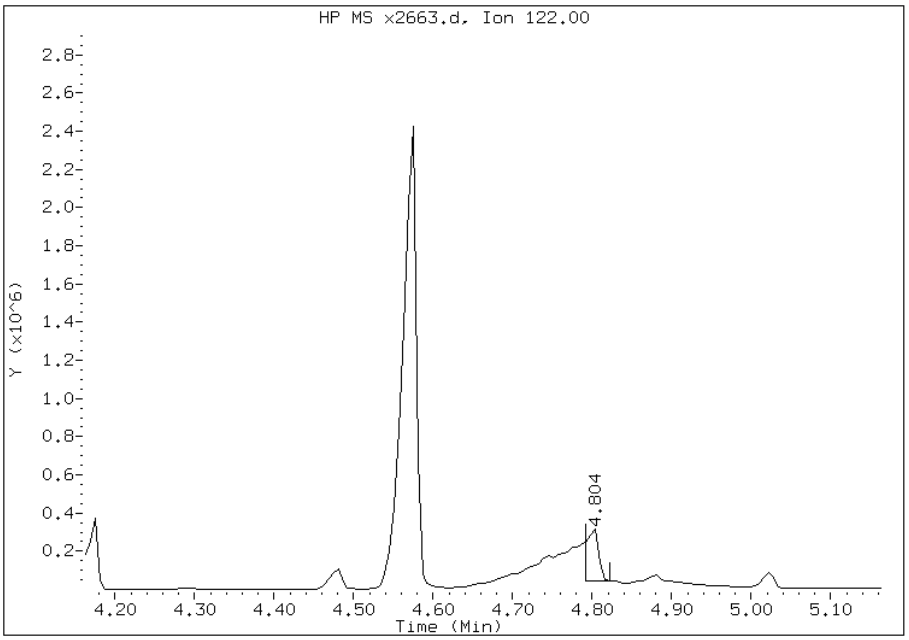
## Processing Integration Results

RT: 4.80

Response: 290995

Amount: 74

Conc: 74



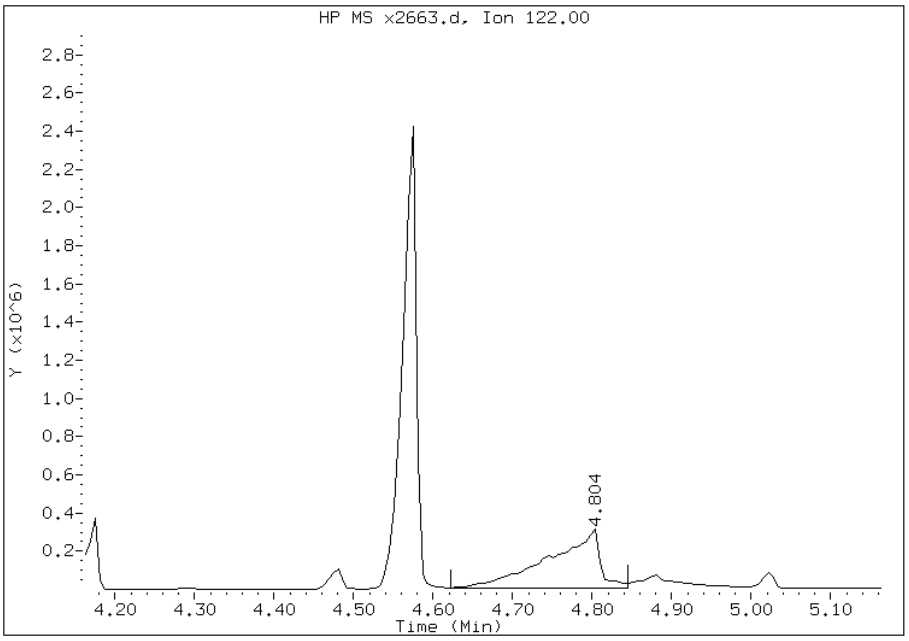

## Manual Integration Results

RT: 4.80

Response: 1347287

Amount: 120

Conc: 120




Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: x2663.d
Inj. Date and Time: 28-SEP-2009 12:37
Instrument ID: BNAMS5.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/29/2009

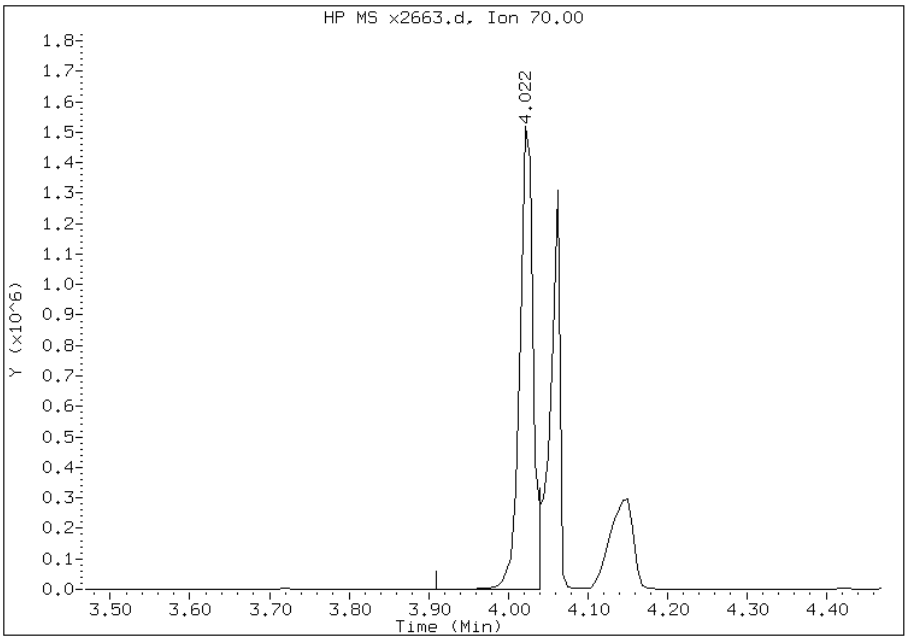
## Processing Integration Results

RT: 4.02

Response: 1766486

Amount: 87

Conc: 87



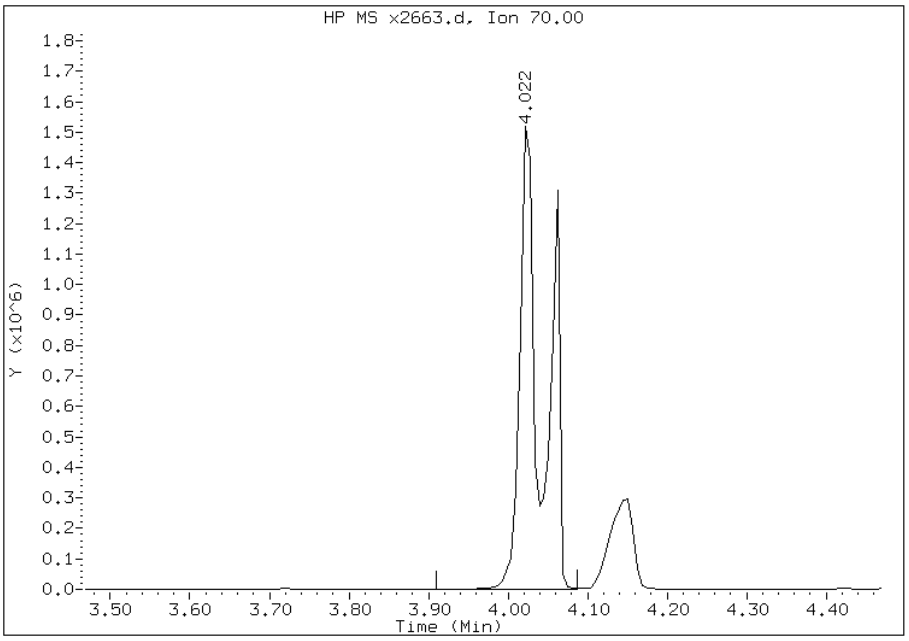

## Manual Integration Results

RT: 4.02

Response: 2802476

Amount: 130

Conc: 130




Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2664.d
Report Date: 28-Sep-2009 14:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2664.d
Lab Smp Id: IC-210293
Inj Date : 28-SEP-2009 13:02
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-210293
Misc Info : 5 ppm bna 4407
Comment :
Method : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/8270C_08SP.m
Meth Date : 28-Sep-2009 14:35 croccom Quant Type: ISTD
Cal Date : 28-SEP-2009 12:10 Cal File: x2662.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.069 | 1.069 | (0.303) | 76617 | 5.00000 | 5.0 |
| | 19 N-Nitrosodimethylamine | 74 | 1.252 | 1.252 | (0.355) | 90365 | 5.00000 | 4.4(aH) |
| | 71 Pyridine | 79 | 1.275 | 1.275 | (0.361) | 166441 | 5.00000 | 4.5(a) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.281 | 2.281 | (0.647) | 142877 | 5.00000 | 4.6(a) |
| | 110 Benzaldehyde | 77 | 3.075 | 3.075 | (0.872) | 63652 | 5.00000 | 6.6 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.181 | 3.181 | (0.902) | 185051 | 5.00000 | 4.9(aH) |
| | 1 Phenol | 94 | 3.193 | 3.193 | (0.905) | 214534 | 5.00000 | 4.9(a) |
| | 73 Aniline | 93 | 3.187 | 3.187 | (0.903) | 227227 | 5.00000 | 4.7(a) |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.269 | 3.269 | (0.927) | 13882 | 0.50000 | 0.40(aMH) |
| | 2 2-Chlorophenol | 128 | 3.310 | 3.310 | (0.938) | 155790 | 5.00000 | 4.8(a) |
| | 113 n-decane | 43 | 3.393 | 3.393 | (0.962) | 215299 | 5.00000 | 4.8(a) |
| | 21 1,3-Dichlorobenzene | 146 | 3.463 | 3.463 | (0.982) | 184452 | 5.00000 | 4.8(a) |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.528 | 3.528 | (1.000) | 955843 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.546 | 3.546 | (1.005) | 182560 | 5.00000 | 4.7(a) |
| | 74 Benzyl Alcohol | 108 | 3.687 | 3.687 | (1.045) | 74158 | 5.00000 | 4.0(a) |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2664.d
Report Date: 28-Sep-2009 14:35

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 23 1,2-Dichlorobenzene | 146 | 3.699 | 3.699 | (1.048) | 168705 | 5.00000 | 4.7(a) |
| | 3 2-Methylphenol | 108 | 3.828 | 3.828 | (1.085) | 142887 | 5.00000 | 5.2 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 3.834 | 3.834 | (1.087) | 249142 | 5.00000 | 5.0 |
| | 4 4-Methylphenol | 108 | 3.987 | 3.987 | (1.130) | 148990 | 5.00000 | 5.0 |
| | 124 3 & 4 Methylphenol | 108 | 3.987 | 3.987 | (1.130) | 153275 | 5.00000 | 5.1(aA) |
| | 104 Acetophenone | 105 | 3.951 | 3.951 | (1.120) | 196205 | 5.00000 | 4.6(aH) |
| | 25 N-Nitroso-di-n-propylamine | 70 | 3.975 | 3.975 | (1.127) | 8739 | 0.50000 | 0.42(a) |
| | 26 Hexachloroethane | 117 | 4.046 | 4.046 | (1.147) | 7098 | 0.50000 | 0.47(a) |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.104 | 4.104 | (0.848) | 158855 | 5.00000 | 4.5(a) |
| | 27 Nitrobenzene | 77 | 4.128 | 4.128 | (0.853) | 25996 | 0.50000 | 0.50(H) |
| | 107 N,N-Dimethylaniline | 120 | 4.140 | 4.140 | (1.173) | 23865 | 0.50000 | 0.49(a) |
| | 28 Isophorone | 82 | 4.375 | 4.375 | (0.904) | 269219 | 5.00000 | 4.7(a) |
| | 5 2-Nitrophenol | 139 | 4.457 | 4.457 | (0.921) | 70659 | 5.00000 | 4.5(a) |
| | 6 2,4-Dimethylphenol | 122 | 4.540 | 4.540 | (0.938) | 121420 | 5.00000 | 5.0 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 4.628 | 4.628 | (0.956) | 162589 | 5.00000 | 4.8(a) |
| | 15 Benzoic Acid | 122 | 4.640 | 4.640 | (0.959) | 9996 | 5.00000 | 1.2(aH) |
| | 7 2,4-Dichlorophenol | 162 | 4.710 | 4.710 | (0.973) | 111266 | 5.00000 | 4.9(a) |
| | 30 1,2,4-Trichlorobenzene | 180 | 4.793 | 4.793 | (0.990) | 12807 | 0.50000 | 0.46(a) |
| * | 80 Naphthalene-d8 | 136 | 4.840 | 4.840 | (1.000) | 3396086 | 40.0000 | |
| | 31 Naphthalene | 128 | 4.857 | 4.857 | (1.004) | 417714 | 5.00000 | 4.8(a) |
| | 32 4-Chloroaniline | 127 | 4.934 | 4.934 | (1.019) | 142153 | 5.00000 | 4.6(a) |
| | 33 Hexachlorobutadiene | 225 | 5.010 | 5.010 | (1.035) | 14949 | 1.00000 | 0.94(a) |
| | 111 Caprolactam | 113 | 5.263 | 5.263 | (1.087) | 16883 | 5.00000 | 3.0(aH) |
| | 8 4-Chloro-3-methylphenol | 107 | 5.463 | 5.463 | (1.129) | 105637 | 5.00000 | 4.9(a) |
| | 34 2-Methylnaphthalene | 142 | 5.563 | 5.563 | (1.149) | 250913 | 5.00000 | 4.9(a) |
| | 120 1-Methylnaphthalene | 142 | 5.663 | 5.663 | (1.170) | 244073 | 5.00000 | 4.8(a) |
| | 35 Hexachlorocyclopentadiene | 237 | 5.740 | 5.740 | (0.869) | 58750 | 5.00000 | 3.2(a) |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 5.816 | 5.816 | (1.202) | 159265 | 5.00000 | 4.8(a) |
| | 9 2,4,6-Trichlorophenol | 196 | 5.869 | 5.869 | (0.889) | 68405 | 5.00000 | 4.6(a) |
| | 10 2,4,5-Trichlorophenol | 196 | 5.904 | 5.904 | (0.894) | 71278 | 5.00000 | 4.8(a) |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 5.951 | 5.951 | (0.901) | 250129 | 5.00000 | 4.4(a) |
| | 102 Diphenyl | 154 | 6.045 | 6.045 | (0.915) | 283762 | 5.00000 | 4.6(a) |
| | 36 2-Chloronaphthalene | 162 | 6.045 | 6.045 | (0.915) | 226979 | 5.00000 | 4.6(a) |
| | 103 Diphenyl Ether | 170 | 6.151 | 6.151 | (0.931) | 152641 | 5.00000 | 4.6(a) |
| | 37 2-Nitroaniline | 65 | 6.169 | 6.169 | (0.934) | 153626 | 10.0000 | 9.4(a) |
| | 123 1,3-Dimethylnaphthalene | 156 | 6.275 | 6.275 | (0.950) | 184635 | 5.00000 | 4.8(a) |
| | 38 Dimethylphthalate | 163 | 6.369 | 6.369 | (0.964) | 220990 | 5.00000 | 4.8(a) |
| | 114 Coumarin | 146 | 6.363 | 6.363 | (0.963) | 62477 | 5.00000 | 4.4(a) |
| | 40 2,6-Dinitrotoluene | 165 | 6.416 | 6.416 | (0.972) | 8332 | 1.00000 | 0.84(aH) |
| | 39 Acenaphthylene | 152 | 6.451 | 6.451 | (0.977) | 332795 | 5.00000 | 4.7(a) |
| | 41 3-Nitroaniline | 138 | 6.575 | 6.575 | (0.996) | 93652 | 10.0000 | 9.2(a) |
| * | 82 Acenaphthene-d10 | 164 | 6.604 | 6.604 | (1.000) | 1611753 | 40.0000 | |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 6.663 | 6.663 | (1.009) | 191080 | 5.00000 | 4.7(a) |
| | 42 Acenaphthene | 154 | 6.628 | 6.628 | (1.004) | 188898 | 5.00000 | 4.6(a) |
| | 11 2,4-Dinitrophenol | 184 | 6.681 | 6.681 | (1.012) | 41523 | 15.0000 | 9.5(a) |
| | 12 4-Nitrophenol | 65 | 6.781 | 6.781 | (1.027) | 103141 | 15.0000 | 13(a) |
| | 44 2,4-Dinitrotoluene | 165 | 6.810 | 6.810 | (1.031) | 11374 | 1.00000 | 0.92(aH) |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2664.d
Report Date: 28-Sep-2009 14:35

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 43 Dibenzofuran | 168 | 6.804 | 6.804 | (1.030) | 284865 | 5.00000 | 4.8(a) |
| | 45 Diethylphthalate | 149 | 7.069 | 7.069 | (1.070) | 195919 | 5.00000 | 4.8(a) |
| | 47 Fluorene | 166 | 7.139 | 7.139 | (1.081) | 218837 | 5.00000 | 4.7(a) |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.157 | 7.157 | (1.084) | 103786 | 5.00000 | 4.7(a) |
| | 48 4-Nitroaniline | 138 | 7.175 | 7.175 | (1.086) | 73119 | 10.0000 | 9.3(aH) |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.210 | 7.210 | (0.896) | 71271 | 15.0000 | 12(a) |
| | 49 N-Nitrosodiphenylamine | 169 | 7.275 | 7.275 | (0.904) | 131355 | 5.00000 | 4.6(a) |
| | 75 1,2-Diphenylhydrazine | 77 | 7.310 | 7.310 | (0.908) | 274106 | 5.00000 | 4.6(a) |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.381 | 7.381 | (1.118) | 23435 | 5.00000 | 4.7(a) |
| | 50 4-Bromophenyl-phenylether | 248 | 7.634 | 7.634 | (0.948) | 50612 | 5.00000 | 4.5(a) |
| | 51 Hexachlorobenzene | 284 | 7.681 | 7.681 | (0.954) | 5790 | 0.50000 | 0.50 |
| | 112 Atrazine | 200 | 7.822 | 7.822 | (0.972) | 42044 | 5.00000 | 4.6(a) |
| | 14 Pentachlorophenol | 266 | 7.886 | 7.886 | (0.980) | 79526 | 15.0000 | 13(a) |
| | 115 n-Octadecane | 57 | 8.022 | 8.022 | (0.996) | 145914 | 5.00000 | 4.3(a) |
| * | 83 Phenanthrene-d10 | 188 | 8.051 | 8.051 | (1.000) | 1876213 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.075 | 8.075 | (1.003) | 248374 | 5.00000 | 4.6(a) |
| | 53 Anthracene | 178 | 8.122 | 8.122 | (1.009) | 246780 | 5.00000 | 4.6(a) |
| | 54 Carbazole | 167 | 8.292 | 8.292 | (1.030) | 199079 | 5.00000 | 4.6(a) |
| | 55 Di-n-butylphthalate | 149 | 8.681 | 8.681 | (1.078) | 249652 | 5.00000 | 4.5(a) |
| | 56 Fluoranthene | 202 | 9.233 | 9.233 | (1.147) | 210480 | 5.00000 | 4.7(a) |
| | 58 Benzidine | 184 | 9.398 | 9.398 | (1.167) | 11748 | 5.00000 | 2.6(a) |
| | 57 Pyrene | 202 | 9.445 | 9.445 | (0.886) | 205085 | 5.00000 | 4.8(a) |
| $ | 78 Terphenyl-d14 | 244 | 9.633 | 9.633 | (0.903) | 130218 | 5.00000 | 4.5(a) |
| | 59 Butylbenzylphthalate | 149 | 10.133 | 10.133 | (0.950) | 72213 | 5.00000 | 4.4(a) |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.657 | 10.657 | (0.999) | 74398 | 10.0000 | 10 |
| | 61 Benzo(a)anthracene | 228 | 10.657 | 10.657 | (0.999) | 16571 | 0.50000 | 0.56 |
| * | 81 Chrysene-d12 | 240 | 10.663 | 10.663 | (1.000) | 1036047 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.769 | 10.769 | (1.010) | 95933 | 5.00000 | 4.5(a) |
| | 62 Chrysene | 228 | 10.692 | 10.692 | (1.003) | 131799 | 5.00000 | 5.0 |
| | 64 Di-n-octylphthalate | 149 | 11.527 | 11.527 | (0.932) | 108435 | 5.00000 | 3.1(a) |
| | 65 Benzo(b)fluoranthene | 252 | 11.892 | 11.892 | (0.962) | 8061 | 0.50000 | 0.40(a) |
| | 66 Benzo(k)fluoranthene | 252 | 11.927 | 11.927 | (0.965) | 9102 | 0.50000 | 0.40(aMH) |
| | 67 Benzo(a)pyrene | 252 | 12.292 | 12.292 | (0.994) | 6633 | 0.50000 | 0.39(a) |
| * | 84 Perylene-d12 | 264 | 12.363 | 12.363 | (1.000) | 705308 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.698 | 13.698 | (1.108) | 3949 | 0.50000 | 0.26(a) |
| | 69 Dibenz(a,h)anthracene | 278 | 13.745 | 13.745 | (1.112) | 4311 | 0.50000 | 0.27(aMH) |
| | 70 Benzo(g,h,i)perylene | 276 | 14.010 | 14.010 | (1.133) | 59541 | 5.00000 | 4.1(a) |

QC Flag Legend

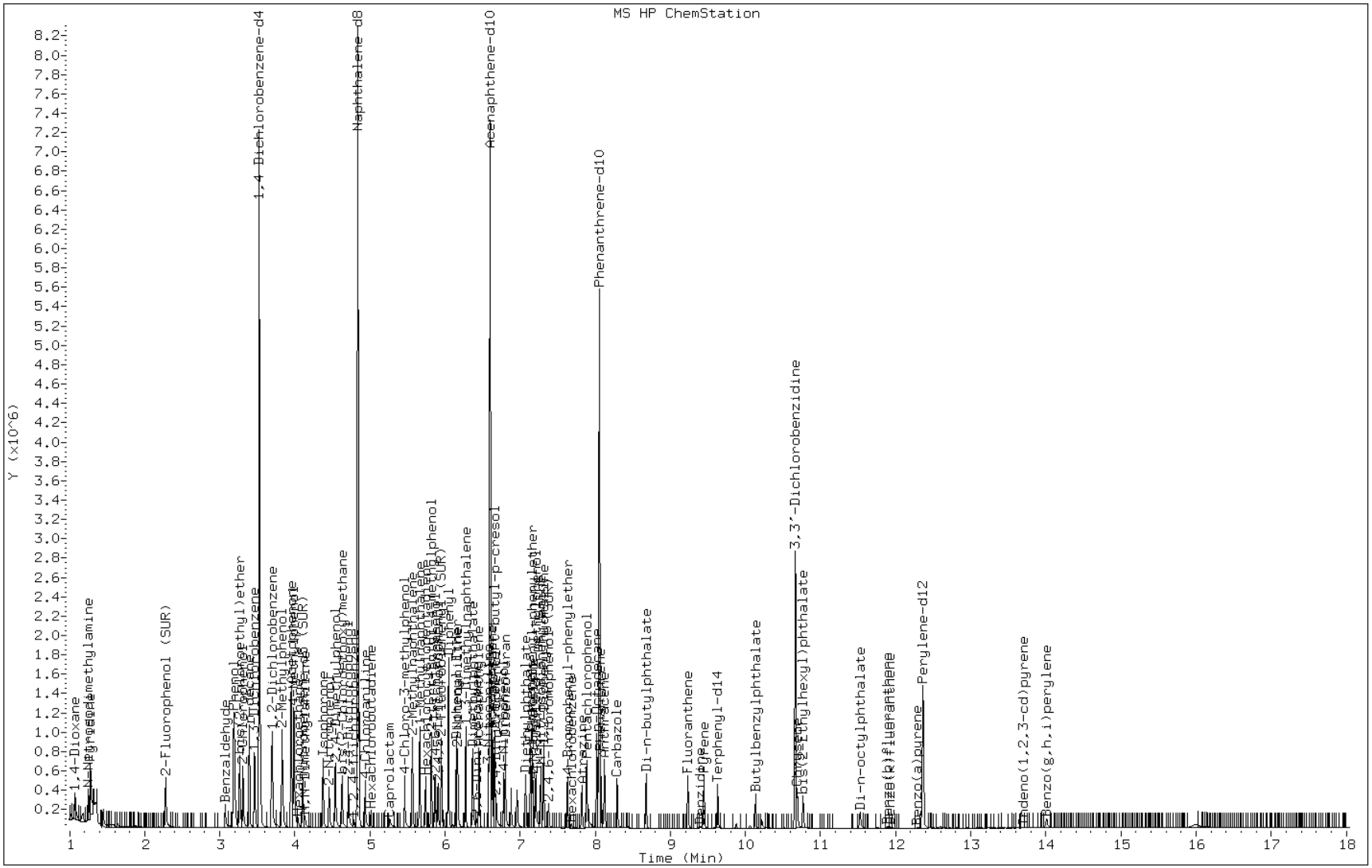
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: x2664.d

Date: 28-SEP-2009 13:02

Client ID: Instrument: BNAMS5.i

Sample Info: IC-210293 Operator: BNAMS 4



# Manual Integration Report

Data File: x2664.d
Inj. Date and Time: 28-SEP-2009 13:02
Instrument ID: BNAMS5.i
Client ID:
Compound:  20 bis(2-Chloroethyl)ether
CAS #: 111-44-4
Report Date: 09/29/2009

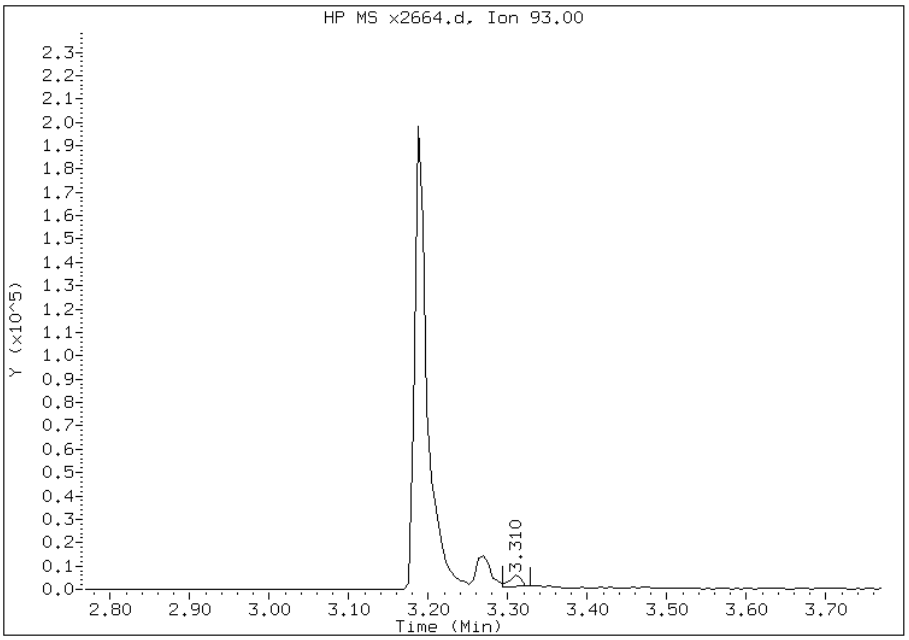
## Processing Integration Results

RT: 3.31

Response: 4890

Amount: 0

Conc: 0



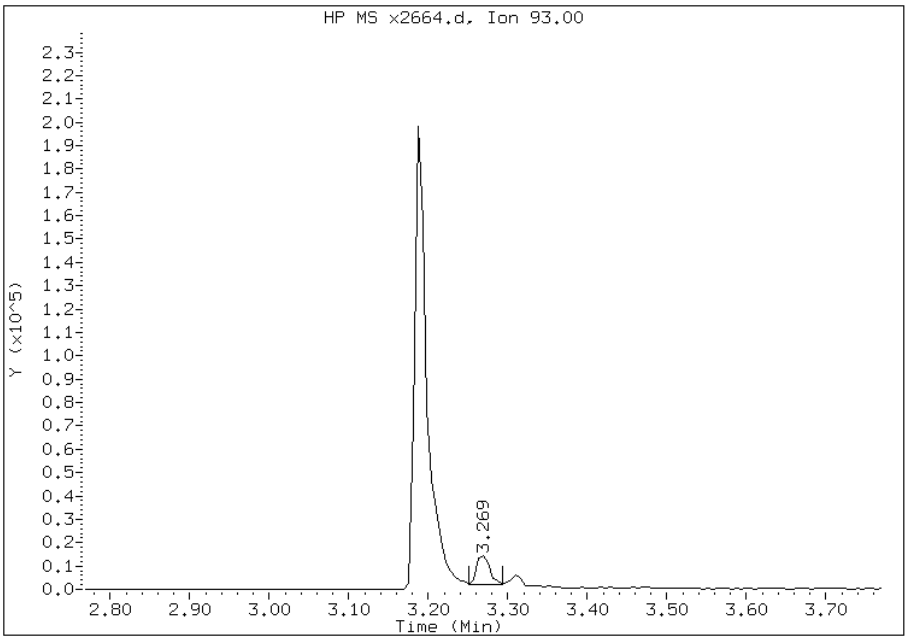

## Manual Integration Results

RT: 3.27

Response: 13882

Amount: 0

Conc: 0




Manually Integrated By: wahied
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: x2664.d
Inj. Date and Time: 28-SEP-2009 13:02
Instrument ID: BNAMS5.i
Client ID:
Compound:  69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 09/29/2009

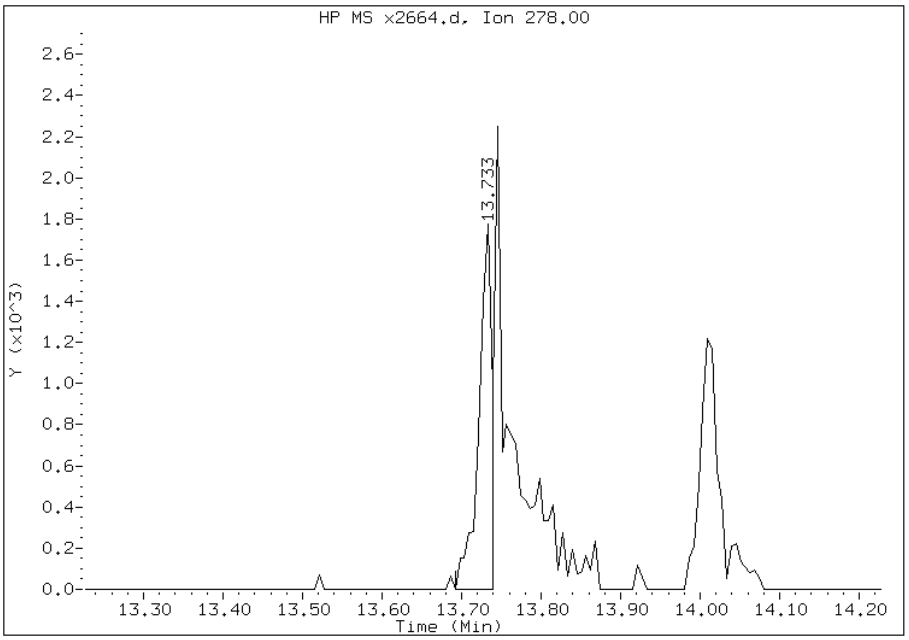
Processing Integration Results

RT: 13.73

Response: 2027

Amount: 0

Conc: 0



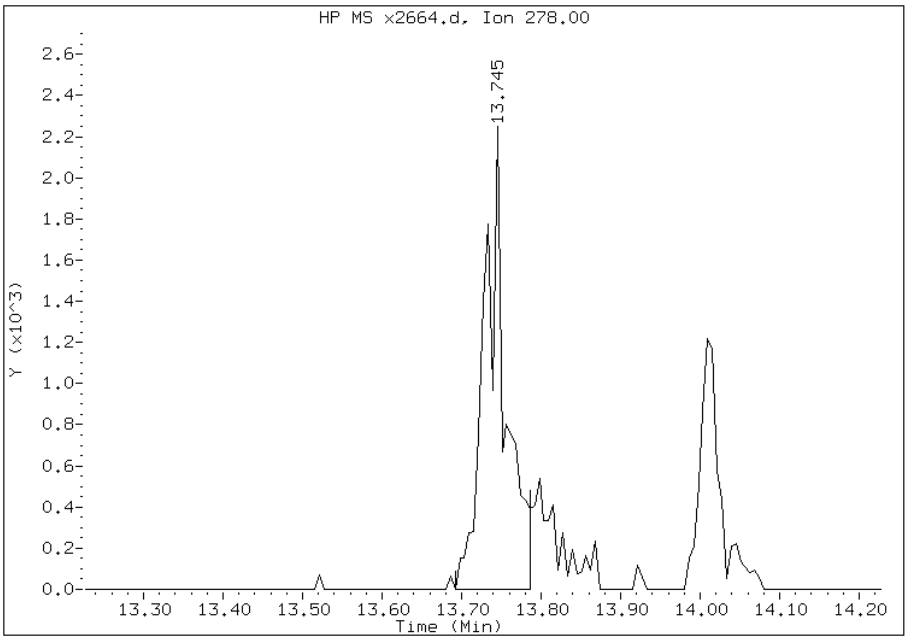

Manual Integration Results

RT: 13.74

Response: 4311

Amount: 0

Conc: 0




Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

# Manual Integration Report

Data File: x2664.d
Inj. Date and Time: 28-SEP-2009 13:02
Instrument ID: BNAMS5.i
Client ID:
Compound:  66 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 09/29/2009

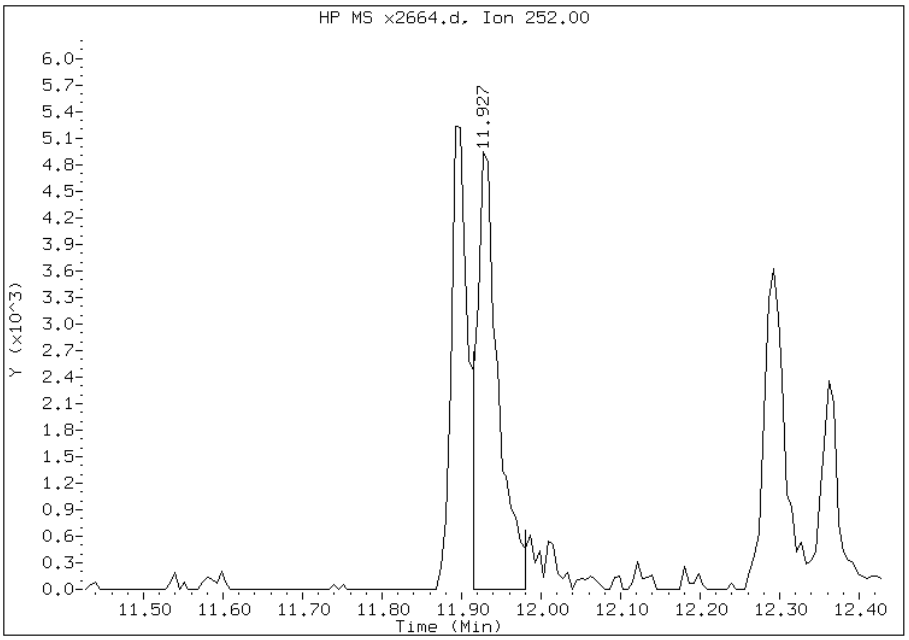
## Processing Integration Results

RT: 11.93

Response: 9319

Amount: 0

Conc: 0



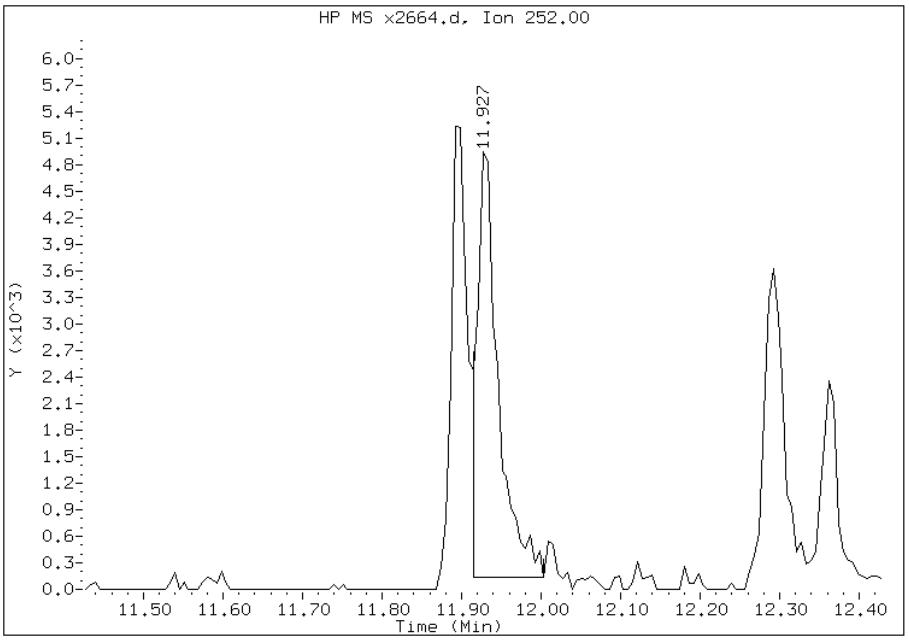

## Manual Integration Results

RT: 11.93

Response: 9102

Amount: 0

Conc: 0




Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2665.d
Report Date: 28-Sep-2009 14:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2665.d
Lab Smp Id: IC-210297
Inj Date : 28-SEP-2009 13:27
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-210297
Misc Info : 80 ppm bna 4407
Comment :
Method : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/8270C_08SP.m
Meth Date : 28-Sep-2009 14:35 croccom Quant Type: ISTD
Cal Date : 28-SEP-2009 12:10 Cal File: x2662.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.093 | 1.093 | (0.309) | 1023999 | 80.0000 | 69 |
| | 19 N-Nitrosodimethylamine | 74 | 1.322 | 1.322 | (0.374) | 1630166 | 80.0000 | 81(MH) |
| | 71 Pyridine | 79 | 1.340 | 1.340 | (0.378) | 2909943 | 80.0000 | 81(MH) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.322 | 2.322 | (0.656) | 2381122 | 80.0000 | 80 |
| | 110 Benzaldehyde | 77 | 3.087 | 3.087 | (0.872) | 328691 | 80.0000 | 35 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.222 | 3.222 | (0.910) | 2839848 | 80.0000 | 77 |
| | 1 Phenol | 94 | 3.240 | 3.240 | (0.915) | 3276333 | 80.0000 | 77 |
| | 73 Aniline | 93 | 3.210 | 3.210 | (0.907) | 3880325 | 80.0000 | 82 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.298 | 3.298 | (0.932) | 2776785 | 80.0000 | 82 |
| | 2 2-Chlorophenol | 128 | 3.340 | 3.340 | (0.944) | 2411292 | 80.0000 | 77 |
| | 113 n-decane | 43 | 3.410 | 3.410 | (0.963) | 3488306 | 80.0000 | 80 |
| | 21 1,3-Dichlorobenzene | 146 | 3.481 | 3.481 | (0.983) | 3068379 | 80.0000 | 82 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.540 | 3.540 | (1.000) | 929898 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.557 | 3.557 | (1.005) | 3105993 | 80.0000 | 82 |
| | 74 Benzyl Alcohol | 108 | 3.716 | 3.716 | (1.050) | 1540469 | 80.0000 | 86 |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2665.d
Report Date: 28-Sep-2009 14:35

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | ========== | ==== | == | ====== | ====== | ======== | ======= | ======= |
| | 23 1,2-Dichlorobenzene | 146 | 3.710 | 3.710 | (1.048) | 2876622 | 80.0000 | 83 |
| | 3 2-Methylphenol | 108 | 3.857 | 3.857 | (1.090) | 2026627 | 80.0000 | 76 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 3.845 | 3.845 | (1.086) | 3742286 | 80.0000 | 78 |
| | 4 4-Methylphenol | 108 | 4.022 | 4.022 | (1.136) | 2278733 | 80.0000 | 78 |
| | 124 3 & 4 Methylphenol | 108 | 4.022 | 4.022 | (1.136) | 2278733 | 80.0000 | 78(A) |
| | 104 Acetophenone | 105 | 3.987 | 3.987 | (1.126) | 3319433 | 80.0000 | 80 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.004 | 4.004 | (1.131) | 1663230 | 80.0000 | 82(MH) |
| | 26 Hexachloroethane | 117 | 4.057 | 4.057 | (1.146) | 1211569 | 80.0000 | 82 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.128 | 4.128 | (0.852) | 2718049 | 80.0000 | 83 |
| | 27 Nitrobenzene | 77 | 4.157 | 4.157 | (0.858) | 3859162 | 80.0000 | 81 |
| | 107 N,N-Dimethylaniline | 120 | 4.157 | 4.157 | (1.174) | 3842053 | 80.0000 | 82 |
| | 28 Isophorone | 82 | 4.404 | 4.404 | (0.909) | 4203423 | 80.0000 | 80 |
| | 5 2-Nitrophenol | 139 | 4.469 | 4.469 | (0.922) | 1185187 | 80.0000 | 82 |
| | 6 2,4-Dimethylphenol | 122 | 4.557 | 4.557 | (0.941) | 1776348 | 80.0000 | 79 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 4.645 | 4.645 | (0.959) | 2572054 | 80.0000 | 81 |
| | 15 Benzoic Acid | 122 | 4.763 | 4.763 | (0.983) | 709978 | 80.0000 | 79(H) |
| | 7 2,4-Dichlorophenol | 162 | 4.728 | 4.728 | (0.976) | 1648082 | 80.0000 | 79 |
| | 30 1,2,4-Trichlorobenzene | 180 | 4.798 | 4.798 | (0.990) | 2079432 | 80.0000 | 82 |
| * | 80 Naphthalene-d8 | 136 | 4.845 | 4.845 | (1.000) | 3133131 | 40.0000 | |
| | 31 Naphthalene | 128 | 4.869 | 4.869 | (1.005) | 6868437 | 80.0000 | 85 |
| | 32 4-Chloroaniline | 127 | 4.945 | 4.945 | (1.021) | 2288733 | 80.0000 | 81 |
| | 33 Hexachlorobutadiene | 225 | 5.016 | 5.016 | (1.035) | 1201406 | 80.0000 | 82 |
| | 111 Caprolactam | 113 | 5.375 | 5.375 | (1.109) | 431183 | 80.0000 | 82(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 5.481 | 5.481 | (1.131) | 1516473 | 80.0000 | 76 |
| | 34 2-Methylnaphthalene | 142 | 5.575 | 5.575 | (1.151) | 3857487 | 80.0000 | 82 |
| | 120 1-Methylnaphthalene | 142 | 5.675 | 5.675 | (1.171) | 3905450 | 80.0000 | 83 |
| | 35 Hexachlorocyclopentadiene | 237 | 5.745 | 5.745 | (0.869) | 1207184 | 80.0000 | 77 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 5.834 | 5.834 | (1.204) | 2471575 | 80.0000 | 81 |
| | 9 2,4,6-Trichlorophenol | 196 | 5.881 | 5.881 | (0.890) | 1045466 | 80.0000 | 82 |
| | 10 2,4,5-Trichlorophenol | 196 | 5.922 | 5.922 | (0.896) | 1018551 | 80.0000 | 79 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 5.963 | 5.963 | (0.902) | 4160070 | 80.0000 | 86 |
| | 102 Diphenyl | 154 | 6.057 | 6.057 | (0.916) | 4427287 | 80.0000 | 84 |
| | 36 2-Chloronaphthalene | 162 | 6.063 | 6.063 | (0.917) | 3507892 | 80.0000 | 84 |
| | 103 Diphenyl Ether | 170 | 6.163 | 6.163 | (0.932) | 2342401 | 80.0000 | 83 |
| | 37 2-Nitroaniline | 65 | 6.181 | 6.181 | (0.935) | 992235 | 80.0000 | 71 |
| | 123 1,3-Dimethylnaphthalene | 156 | 6.286 | 6.286 | (0.951) | 2680447 | 80.0000 | 80 |
| | 38 Dimethylphthalate | 163 | 6.386 | 6.386 | (0.966) | 3105614 | 80.0000 | 79 |
| | 114 Coumarin | 146 | 6.381 | 6.381 | (0.965) | 1009838 | 80.0000 | 84 |
| | 40 2,6-Dinitrotoluene | 165 | 6.434 | 6.434 | (0.973) | 705526 | 80.0000 | 83 |
| | 39 Acenaphthylene | 152 | 6.469 | 6.469 | (0.979) | 5049337 | 80.0000 | 83 |
| | 41 3-Nitroaniline | 138 | 6.598 | 6.598 | (0.998) | 709169 | 80.0000 | 81 |
| * | 82 Acenaphthene-d10 | 164 | 6.610 | 6.610 | (1.000) | 1384849 | 40.0000 | |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 6.675 | 6.675 | (1.010) | 2888157 | 80.0000 | 82 |
| | 42 Acenaphthene | 154 | 6.645 | 6.645 | (1.005) | 2954685 | 80.0000 | 84 |
| | 11 2,4-Dinitrophenol | 184 | 6.698 | 6.698 | (1.013) | 353934 | 80.0000 | 82 |
| | 12 4-Nitrophenol | 65 | 6.798 | 6.798 | (1.028) | 571026 | 80.0000 | 83 |
| | 44 2,4-Dinitrotoluene | 165 | 6.834 | 6.834 | (1.034) | 882080 | 80.0000 | 83 |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2665.d
Report Date: 28-Sep-2009 14:35

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 Dibenzofuran | 168 | 6.816 | 6.816 | (1.031) | 4223173 | 80.0000 | 82 |
| | 45 Diethylphthalate | 149 | 7.086 | 7.086 | (1.072) | 2908449 | 80.0000 | 82 |
| | 47 Fluorene | 166 | 7.151 | 7.151 | (1.082) | 3280460 | 80.0000 | 83 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.163 | 7.163 | (1.084) | 1577329 | 80.0000 | 83 |
| | 48 4-Nitroaniline | 138 | 7.204 | 7.204 | (1.090) | 513083 | 80.0000 | 76 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.228 | 7.228 | (0.897) | 440822 | 80.0000 | 91 |
| | 49 N-Nitrosodiphenylamine | 169 | 7.292 | 7.292 | (0.905) | 1998583 | 80.0000 | 85 |
| | 75 1,2-Diphenylhydrazine | 77 | 7.322 | 7.322 | (0.909) | 4024574 | 80.0000 | 83 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.392 | 7.392 | (1.118) | 365500 | 80.0000 | 85 |
| | 50 4-Bromophenyl-phenylether | 248 | 7.639 | 7.639 | (0.948) | 771039 | 80.0000 | 84 |
| | 51 Hexachlorobenzene | 284 | 7.692 | 7.692 | (0.955) | 775400 | 80.0000 | 83 |
| | 112 Atrazine | 200 | 7.839 | 7.839 | (0.973) | 588172 | 80.0000 | 78 |
| | 14 Pentachlorophenol | 266 | 7.892 | 7.892 | (0.980) | 422249 | 80.0000 | 86 |
| | 115 n-Octadecane | 57 | 8.028 | 8.028 | (0.996) | 2334548 | 80.0000 | 85 |
| * | 83 Phenanthrene-d10 | 188 | 8.057 | 8.057 | (1.000) | 1534254 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.080 | 8.080 | (1.003) | 3621239 | 80.0000 | 83 |
| | 53 Anthracene | 178 | 8.133 | 8.133 | (1.009) | 3548300 | 80.0000 | 81 |
| | 54 Carbazole | 167 | 8.304 | 8.304 | (1.031) | 2858524 | 80.0000 | 81 |
| | 55 Di-n-butylphthalate | 149 | 8.686 | 8.686 | (1.078) | 3834460 | 80.0000 | 84 |
| | 56 Fluoranthene | 202 | 9.239 | 9.239 | (1.147) | 3027455 | 80.0000 | 82 |
| | 58 Benzidine | 184 | 9.392 | 9.392 | (1.166) | 103008 | 80.0000 | 28 |
| | 57 Pyrene | 202 | 9.457 | 9.457 | (0.886) | 2887624 | 80.0000 | 81 |
| $ | 78 Terphenyl-d14 | 244 | 9.639 | 9.639 | (0.904) | 1980159 | 80.0000 | 82 |
| | 59 Butylbenzylphthalate | 149 | 10.139 | 10.139 | (0.950) | 1139541 | 80.0000 | 84 |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.657 | 10.657 | (0.999) | 451760 | 80.0000 | 76 |
| | 61 Benzo(a)anthracene | 228 | 10.663 | 10.663 | (0.999) | 1940062 | 80.0000 | 79 |
| * | 81 Chrysene-d12 | 240 | 10.669 | 10.669 | (1.000) | 859105 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.769 | 10.769 | (1.009) | 1495994 | 80.0000 | 85 |
| | 62 Chrysene | 228 | 10.698 | 10.698 | (1.003) | 1780231 | 80.0000 | 81 |
| | 64 Di-n-octylphthalate | 149 | 11.533 | 11.533 | (0.932) | 2099758 | 80.0000 | 78 |
| | 65 Benzo(b)fluoranthene | 252 | 11.904 | 11.904 | (0.962) | 1426260 | 80.0000 | 91 |
| | 66 Benzo(k)fluoranthene | 252 | 11.939 | 11.939 | (0.965) | 1405865 | 80.0000 | 81 |
| | 67 Benzo(a)pyrene | 252 | 12.298 | 12.298 | (0.994) | 1157006 | 80.0000 | 87 |
| * | 84 Perylene-d12 | 264 | 12.368 | 12.368 | (1.000) | 546043 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.704 | 13.704 | (1.108) | 909336 | 80.0000 | 77 |
| | 69 Dibenz(a,h)anthracene | 278 | 13.739 | 13.739 | (1.111) | 1000249 | 80.0000 | 81 |
| | 70 Benzo(g,h,i)perylene | 276 | 14.021 | 14.021 | (1.134) | 979550 | 80.0000 | 88 |

QC Flag Legend

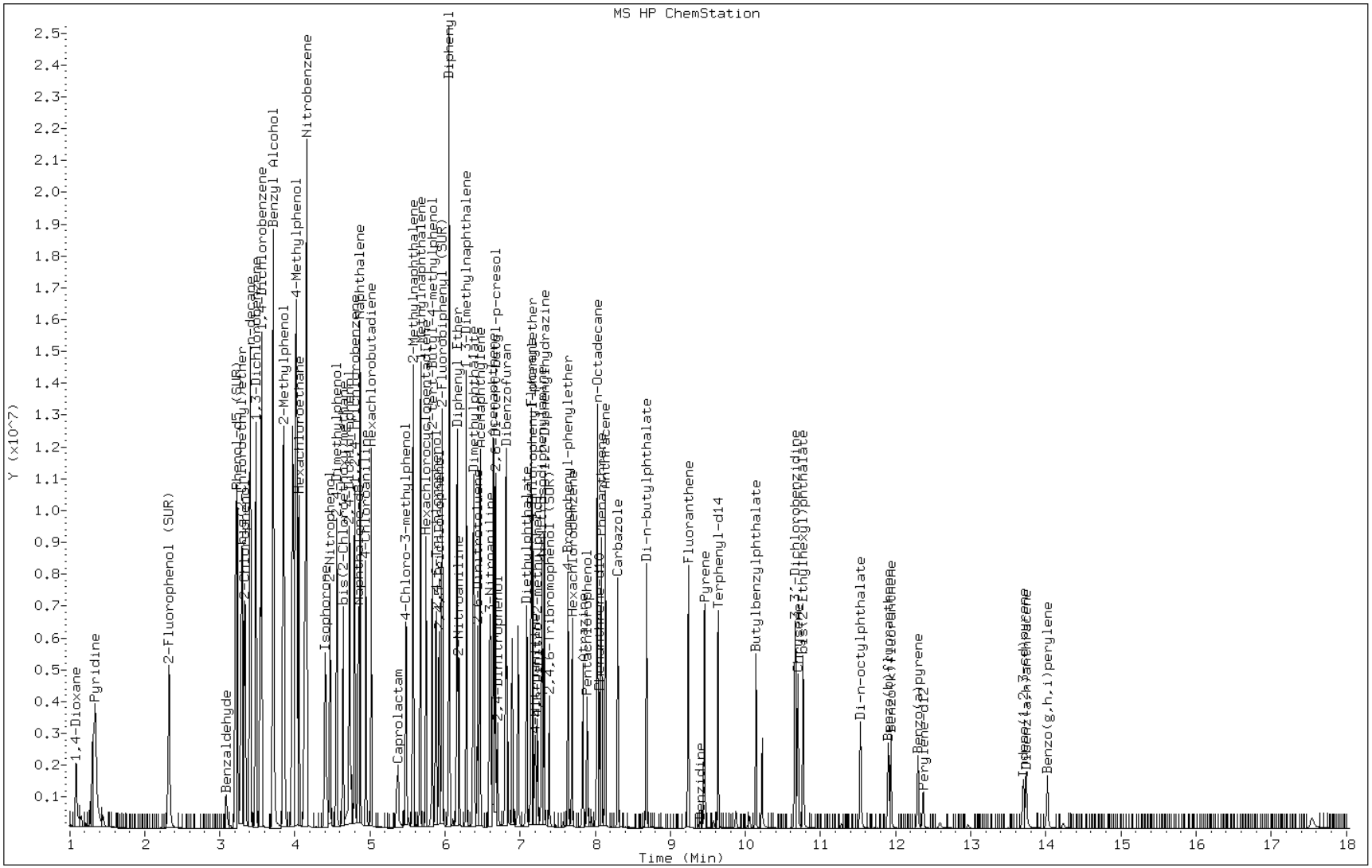
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: x2665.d

Date: 28-SEP-2009 13:27

Client ID: Instrument: BNAMS5.i

Sample Info: IC-210297 Operator: BNAMS 4



# Manual Integration Report

Data File: x2665.d
Inj. Date and Time: 28-SEP-2009 13:27
Instrument ID: BNAMS5.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/29/2009

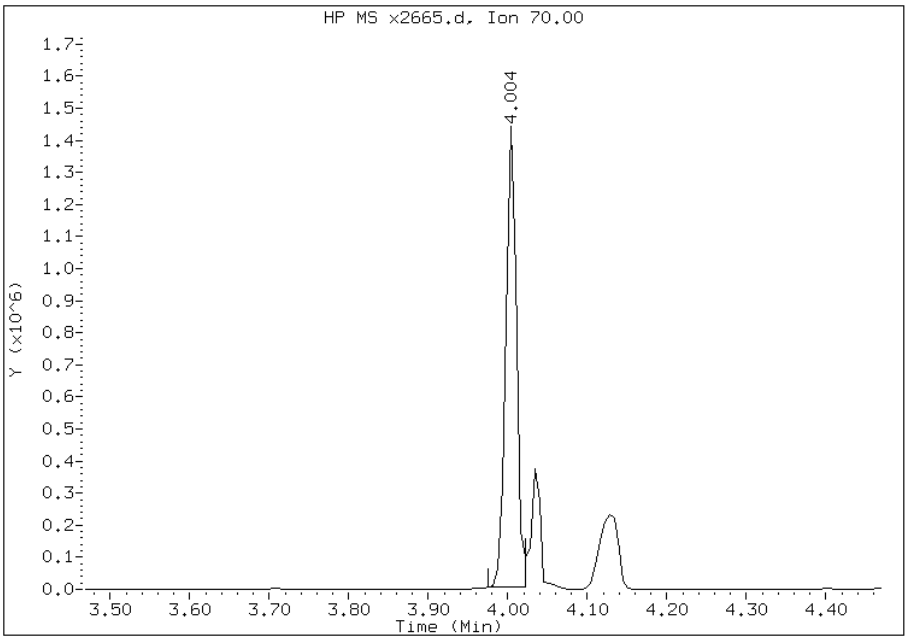
## Processing Integration Results

RT: 4.00

Response: 1378123

Amount: 75

Conc: 75



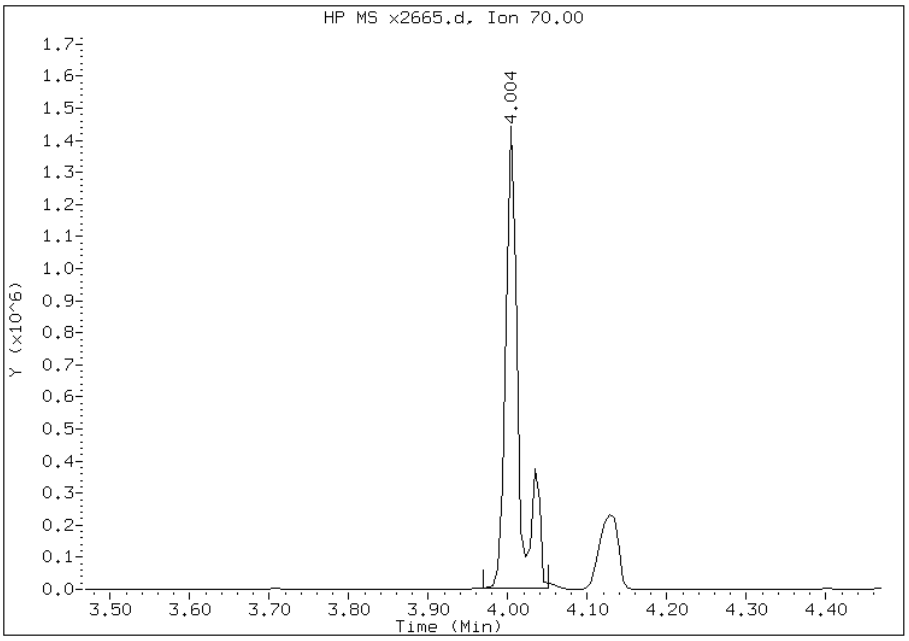

## Manual Integration Results

RT: 4.00

Response: 1663230

Amount: 82

Conc: 82




Manually Integrated By: wahied
Manual Integration Reason: Split Peak

# Manual Integration Report

Data File: x2665.d
Inj. Date and Time: 28-SEP-2009 13:27
Instrument ID: BNAMS5.i
Client ID:
Compound:  19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 09/29/2009

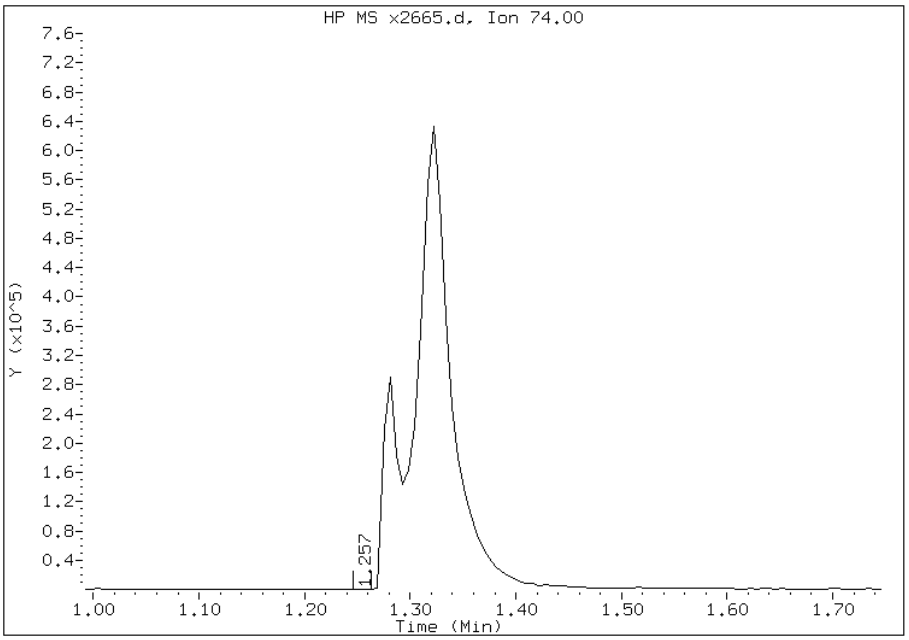
## Processing Integration Results

RT: 1.26

Response: 99

Amount: 0

Conc: 0



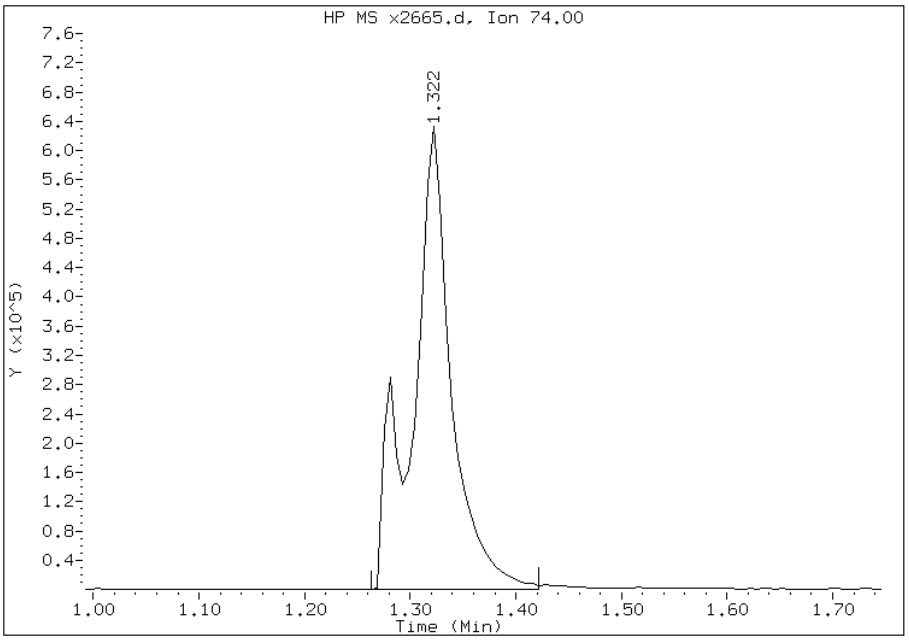

## Manual Integration Results

RT: 1.32

Response: 1630166

Amount: 81

Conc: 81




Manually Integrated By: wahied
Manual Integration Reason: Split Peak

# Manual Integration Report

Data File: x2665.d
Inj. Date and Time: 28-SEP-2009 13:27
Instrument ID: BNAMS5.i
Client ID:
Compound:  71 Pyridine
CAS #: 110-86-1
Report Date: 09/29/2009

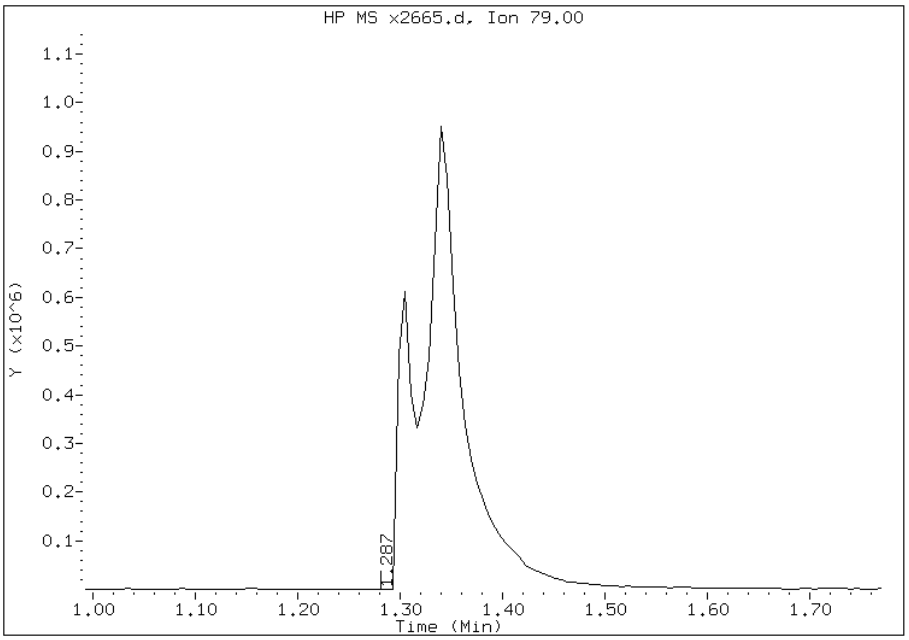
## Processing Integration Results

RT: 1.29

Response: 108

Amount: 0

Conc: 0



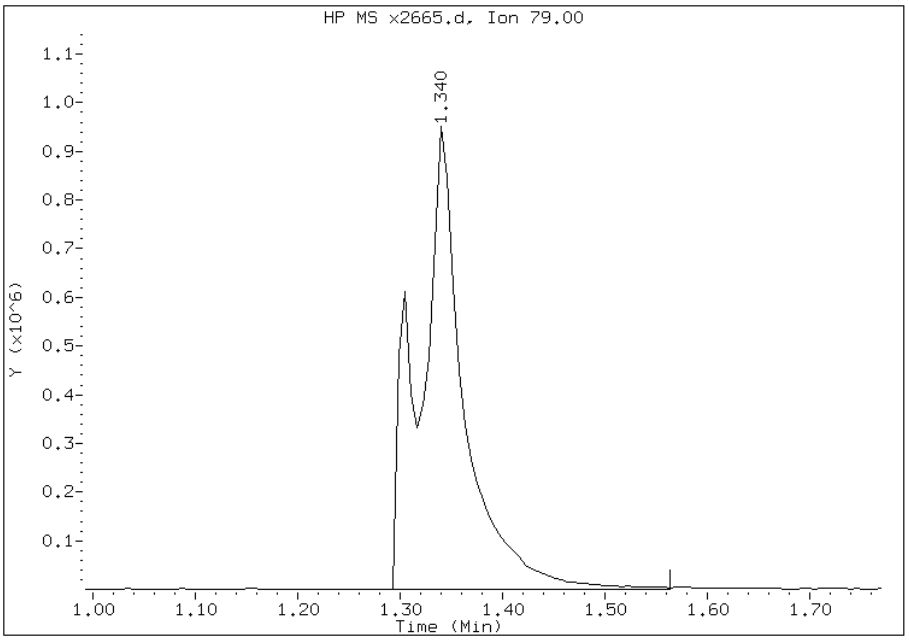

## Manual Integration Results

RT: 1.34

Response: 2909943

Amount: 81

Conc: 81




Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2666.d
Report Date: 28-Sep-2009 14:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2666.d
Lab Smp Id: IC-210296
Inj Date : 28-SEP-2009 13:52
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-210296
Misc Info : 20 ppm bna 4407
Comment :
Method : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/8270C_08SP.m
Meth Date : 28-Sep-2009 14:35 croccom Quant Type: ISTD
Cal Date : 28-SEP-2009 12:10 Cal File: x2662.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.058 | 1.058 | (0.300) | 298596 | 20.0000 | 21 |
| | 19 N-Nitrosodimethylamine | 74 | 1.240 | 1.240 | (0.351) | 386983 | 20.0000 | 20(H) |
| | 71 Pyridine | 79 | 1.263 | 1.263 | (0.358) | 690384 | 20.0000 | 20(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.275 | 2.275 | (0.645) | 574627 | 20.0000 | 20 |
| | 110 Benzaldehyde | 77 | 3.069 | 3.069 | (0.870) | 266119 | 20.0000 | 30 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.187 | 3.187 | (0.903) | 689129 | 20.0000 | 20 |
| | 1 Phenol | 94 | 3.204 | 3.204 | (0.908) | 794830 | 20.0000 | 20 |
| | 73 Aniline | 93 | 3.187 | 3.187 | (0.903) | 902119 | 20.0000 | 20 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.269 | 3.269 | (0.927) | 608323 | 20.0000 | 19 |
| | 2 2-Chlorophenol | 128 | 3.310 | 3.310 | (0.938) | 601397 | 20.0000 | 20 |
| | 113 n-decane | 43 | 3.399 | 3.399 | (0.963) | 814600 | 20.0000 | 20 |
| | 21 1,3-Dichlorobenzene | 146 | 3.469 | 3.469 | (0.983) | 696693 | 20.0000 | 20 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.528 | 3.528 | (1.000) | 878203 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.546 | 3.546 | (1.005) | 697747 | 20.0000 | 20 |
| | 74 Benzyl Alcohol | 108 | 3.693 | 3.693 | (1.047) | 333395 | 20.0000 | 20 |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2666.d
Report Date: 28-Sep-2009 14:35

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 23 | 1,2-Dichlorobenzene | 146 | 3.699 | 3.699 | (1.048) | 636071 | 20.0000 | 19 |
| | 3 | 2-Methylphenol | 108 | 3.828 | 3.828 | (1.085) | 511420 | 20.0000 | 20 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 3.840 | 3.840 | (1.088) | 897599 | 20.0000 | 20 |
| | 4 | 4-Methylphenol | 108 | 3.993 | 3.993 | (1.132) | 544781 | 20.0000 | 20 |
| | 124 | 3 & 4 Methylphenol | 108 | 3.993 | 3.993 | (1.132) | 544781 | 20.0000 | 20(A) |
| | 104 | Acetophenone | 105 | 3.957 | 3.957 | (1.122) | 765091 | 20.0000 | 20 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 3.975 | 3.975 | (1.127) | 395100 | 20.0000 | 20 |
| | 26 | Hexachloroethane | 117 | 4.046 | 4.046 | (1.147) | 276538 | 20.0000 | 20 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 4.104 | 4.104 | (0.848) | 611256 | 20.0000 | 19 |
| | 27 | Nitrobenzene | 77 | 4.128 | 4.128 | (0.853) | 891642 | 20.0000 | 19 |
| | 107 | N,N-Dimethylaniline | 120 | 4.134 | 4.134 | (1.172) | 857849 | 20.0000 | 19 |
| | 28 | Isophorone | 82 | 4.381 | 4.381 | (0.905) | 1011746 | 20.0000 | 20 |
| | 5 | 2-Nitrophenol | 139 | 4.457 | 4.457 | (0.921) | 272742 | 20.0000 | 19 |
| | 6 | 2,4-Dimethylphenol | 122 | 4.540 | 4.540 | (0.938) | 438854 | 20.0000 | 20 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 4.628 | 4.628 | (0.956) | 603159 | 20.0000 | 19 |
| | 15 | Benzoic Acid | 122 | 4.675 | 4.675 | (0.966) | 106085 | 20.0000 | 14(MH) |
| | 7 | 2,4-Dichlorophenol | 162 | 4.716 | 4.716 | (0.974) | 403992 | 20.0000 | 20 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 4.793 | 4.793 | (0.990) | 485570 | 20.0000 | 19 |
| * | 80 | Naphthalene-d8 | 136 | 4.840 | 4.840 | (1.000) | 3076635 | 40.0000 | |
| | 31 | Naphthalene | 128 | 4.857 | 4.857 | (1.004) | 1552372 | 20.0000 | 20 |
| | 32 | 4-Chloroaniline | 127 | 4.934 | 4.934 | (1.019) | 546120 | 20.0000 | 20 |
| | 33 | Hexachlorobutadiene | 225 | 5.010 | 5.010 | (1.035) | 275817 | 20.0000 | 19 |
| | 111 | Caprolactam | 113 | 5.293 | 5.293 | (1.094) | 90169 | 20.0000 | 17(H) |
| | 8 | 4-Chloro-3-methylphenol | 107 | 5.463 | 5.463 | (1.129) | 385657 | 20.0000 | 20 |
| | 34 | 2-Methylnaphthalene | 142 | 5.569 | 5.569 | (1.151) | 884037 | 20.0000 | 19 |
| | 120 | 1-Methylnaphthalene | 142 | 5.663 | 5.663 | (1.170) | 886237 | 20.0000 | 19 |
| | 35 | Hexachlorocyclopentadiene | 237 | 5.740 | 5.740 | (0.869) | 241024 | 20.0000 | 15 |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 5.816 | 5.816 | (1.202) | 589722 | 20.0000 | 20 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 5.869 | 5.869 | (0.889) | 245920 | 20.0000 | 19 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 5.904 | 5.904 | (0.894) | 266445 | 20.0000 | 20 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 5.951 | 5.951 | (0.901) | 947334 | 20.0000 | 19 |
| | 102 | Diphenyl | 154 | 6.045 | 6.045 | (0.915) | 1041682 | 20.0000 | 19 |
| | 36 | 2-Chloronaphthalene | 162 | 6.051 | 6.051 | (0.916) | 840304 | 20.0000 | 20 |
| | 103 | Diphenyl Ether | 170 | 6.157 | 6.157 | (0.932) | 555639 | 20.0000 | 19 |
| | 37 | 2-Nitroaniline | 65 | 6.169 | 6.169 | (0.934) | 306668 | 20.0000 | 21 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 6.275 | 6.275 | (0.950) | 640199 | 20.0000 | 19 |
| | 38 | Dimethylphthalate | 163 | 6.375 | 6.375 | (0.965) | 788137 | 20.0000 | 20 |
| | 114 | Coumarin | 146 | 6.363 | 6.363 | (0.963) | 232498 | 20.0000 | 19 |
| | 40 | 2,6-Dinitrotoluene | 165 | 6.422 | 6.422 | (0.972) | 176321 | 20.0000 | 20 |
| | 39 | Acenaphthylene | 152 | 6.457 | 6.457 | (0.978) | 1213460 | 20.0000 | 20 |
| | 41 | 3-Nitroaniline | 138 | 6.581 | 6.581 | (0.996) | 173375 | 20.0000 | 19 |
| * | 82 | Acenaphthene-d10 | 164 | 6.604 | 6.604 | (1.000) | 1410470 | 40.0000 | |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 6.663 | 6.663 | (1.009) | 718954 | 20.0000 | 20 |
| | 42 | Acenaphthene | 154 | 6.634 | 6.634 | (1.004) | 713756 | 20.0000 | 20 |
| | 11 | 2,4-Dinitrophenol | 184 | 6.681 | 6.681 | (1.012) | 102853 | 30.0000 | 26 |
| | 12 | 4-Nitrophenol | 65 | 6.781 | 6.781 | (1.027) | 208966 | 30.0000 | 30 |
| | 44 | 2,4-Dinitrotoluene | 165 | 6.816 | 6.816 | (1.032) | 218218 | 20.0000 | 20 |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2666.d
Report Date: 28-Sep-2009 14:35

| | | QUANT SIG | | | | | AMOUNTS CAL-AMT | AMOUNTS ON-COL |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 43 Dibenzofuran | 168 | 6.804 | 6.804 | (1.030) | 1025057 | 20.0000 | 20 |
| | 45 Diethylphthalate | 149 | 7.075 | 7.075 | (1.071) | 701885 | 20.0000 | 20 |
| | 47 Fluorene | 166 | 7.140 | 7.140 | (1.081) | 791091 | 20.0000 | 20 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.157 | 7.157 | (1.084) | 379512 | 20.0000 | 20 |
| | 48 4-Nitroaniline | 138 | 7.181 | 7.181 | (1.087) | 138202 | 20.0000 | 20 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.210 | 7.210 | (0.896) | 147724 | 30.0000 | 28 |
| | 49 N-Nitrosodiphenylamine | 169 | 7.281 | 7.281 | (0.904) | 458238 | 20.0000 | 18 |
| | 75 1,2-Diphenylhydrazine | 77 | 7.310 | 7.310 | (0.908) | 982656 | 20.0000 | 19 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.381 | 7.381 | (1.118) | 85087 | 20.0000 | 19 |
| | 50 4-Bromophenyl-phenylether | 248 | 7.634 | 7.634 | (0.948) | 183900 | 20.0000 | 19 |
| | 51 Hexachlorobenzene | 284 | 7.687 | 7.687 | (0.955) | 188246 | 20.0000 | 19 |
| | 112 Atrazine | 200 | 7.828 | 7.828 | (0.972) | 159546 | 20.0000 | 20 |
| | 14 Pentachlorophenol | 266 | 7.887 | 7.887 | (0.980) | 145497 | 30.0000 | 28 |
| | 115 n-Octadecane | 57 | 8.022 | 8.022 | (0.996) | 551382 | 20.0000 | 19 |
| * | 83 Phenanthrene-d10 | 188 | 8.051 | 8.051 | (1.000) | 1638361 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.075 | 8.075 | (1.003) | 890821 | 20.0000 | 19 |
| | 53 Anthracene | 178 | 8.122 | 8.122 | (1.009) | 907791 | 20.0000 | 20 |
| | 54 Carbazole | 167 | 8.292 | 8.292 | (1.030) | 724628 | 20.0000 | 19 |
| | 55 Di-n-butylphthalate | 149 | 8.681 | 8.681 | (1.078) | 928766 | 20.0000 | 19 |
| | 56 Fluoranthene | 202 | 9.233 | 9.233 | (1.147) | 759036 | 20.0000 | 19 |
| | 58 Benzidine | 184 | 9.386 | 9.386 | (1.166) | 221048 | 30.0000 | 57 |
| | 57 Pyrene | 202 | 9.445 | 9.445 | (0.886) | 742447 | 20.0000 | 19 |
| $ | 78 Terphenyl-d14 | 244 | 9.633 | 9.633 | (0.903) | 493639 | 20.0000 | 18 |
| | 59 Butylbenzylphthalate | 149 | 10.133 | 10.133 | (0.950) | 286005 | 20.0000 | 19 |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.651 | 10.651 | (0.999) | 213228 | 30.0000 | 32 |
| | 61 Benzo(a)anthracene | 228 | 10.651 | 10.651 | (0.999) | 506025 | 20.0000 | 18 |
| * | 81 Chrysene-d12 | 240 | 10.663 | 10.663 | (1.000) | 957024 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.769 | 10.769 | (1.010) | 374861 | 20.0000 | 19 |
| | 62 Chrysene | 228 | 10.692 | 10.692 | (1.003) | 465910 | 20.0000 | 19 |
| | 64 Di-n-octylphthalate | 149 | 11.527 | 11.527 | (0.932) | 487902 | 20.0000 | 16 |
| | 65 Benzo(b)fluoranthene | 252 | 11.892 | 11.892 | (0.962) | 336864 | 20.0000 | 19 |
| | 66 Benzo(k)fluoranthene | 252 | 11.927 | 11.927 | (0.965) | 408733 | 20.0000 | 20 |
| | 67 Benzo(a)pyrene | 252 | 12.286 | 12.286 | (0.994) | 294595 | 20.0000 | 19 |
| * | 84 Perylene-d12 | 264 | 12.363 | 12.363 | (1.000) | 625418 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.692 | 13.692 | (1.108) | 216805 | 20.0000 | 16 |
| | 69 Dibenz(a,h)anthracene | 278 | 13.733 | 13.733 | (1.111) | 231358 | 20.0000 | 16 |
| | 70 Benzo(g,h,i)perylene | 276 | 14.010 | 14.010 | (1.133) | 252226 | 20.0000 | 20 |

QC Flag Legend

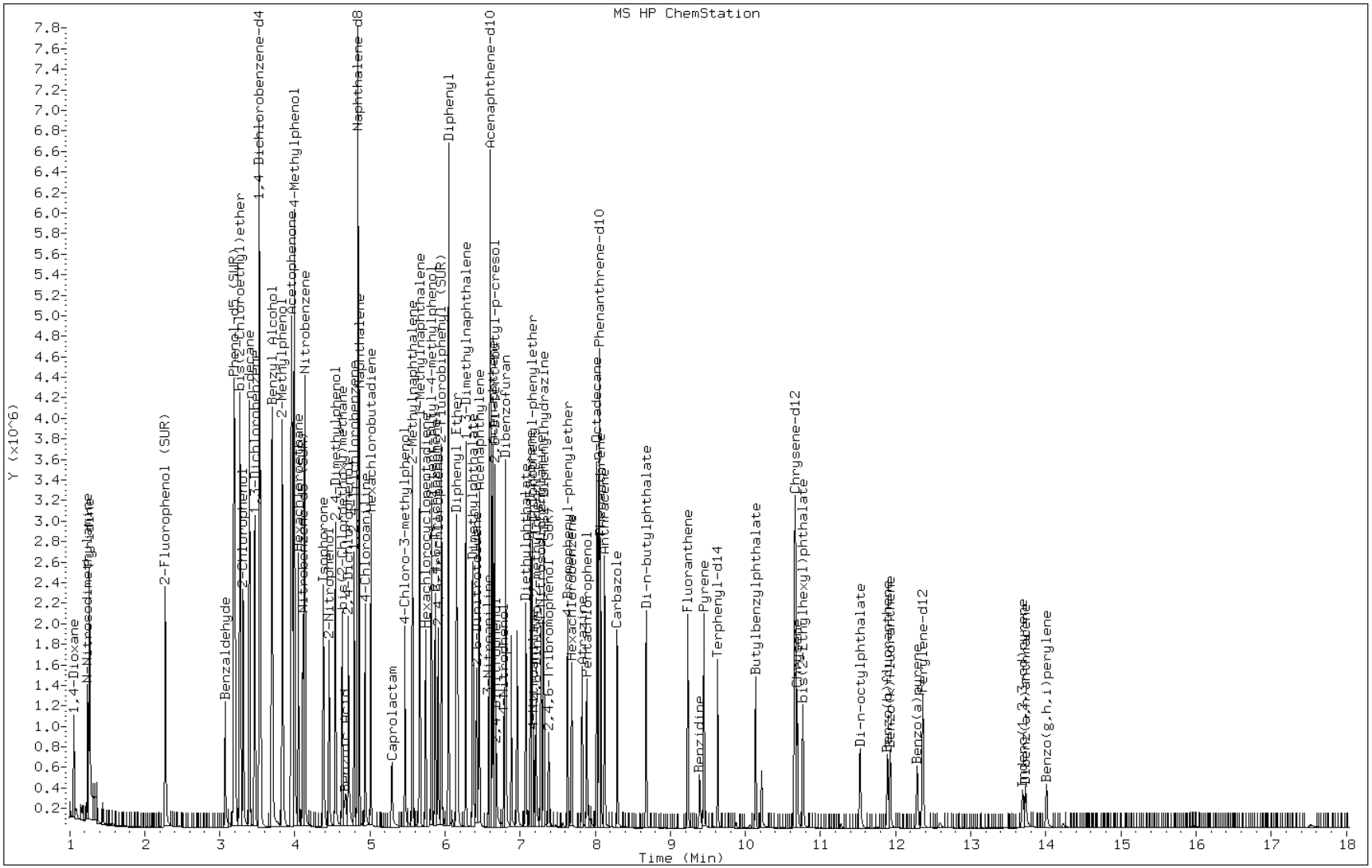
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: x2666.d

Date: 28-SEP-2009 13:52

Client ID: Instrument: BNAMS5.i

Sample Info: IC-210296 Operator: BNAMS 4



# Manual Integration Report

Data File: x2666.d
Inj. Date and Time: 28-SEP-2009 13:52
Instrument ID: BNAMS5.i
Client ID:
Compound:  15 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/29/2009

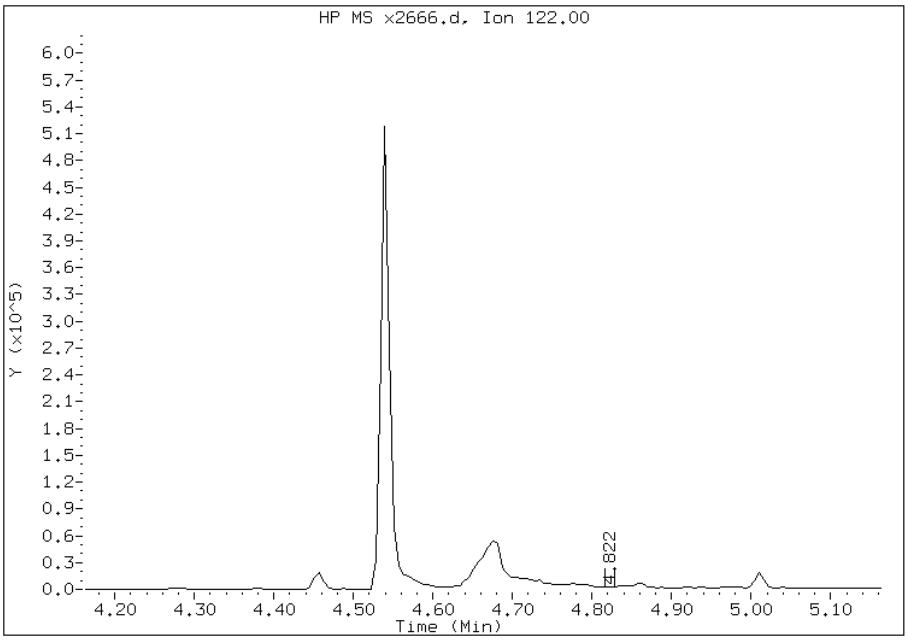
## Processing Integration Results

RT: 4.82

Response: 414

Amount: 0

Conc: 0



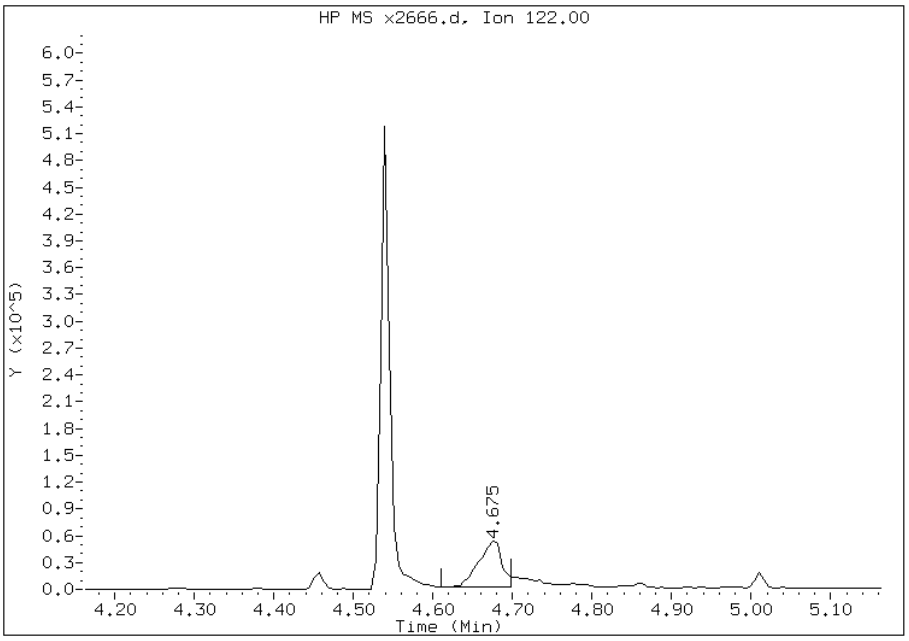

## Manual Integration Results

RT: 4.67

Response: 106085

Amount: 14

Conc: 14




Manually Integrated By: wahied
Manual Integration Reason: Peak Tailing or Fronting

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2667.d
Report Date: 28-Sep-2009 14:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2667.d
Lab Smp Id: IC-210307
Inj Date : 28-SEP-2009 14:17
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-210307
Misc Info : 10 ppm bna 4407
Comment :
Method : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/8270C_08SP.m
Meth Date : 28-Sep-2009 14:35 croccom Quant Type: ISTD
Cal Date : 28-SEP-2009 12:10 Cal File: x2662.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.063 | 1.063 | (0.301) | 176696 | 10.0000 | 10 |
| | 19 N-Nitrosodimethylamine | 74 | 1.246 | 1.246 | (0.353) | 231962 | 10.0000 | 10 |
| | 71 Pyridine | 79 | 1.269 | 1.269 | (0.360) | 400085 | 10.0000 | 9.8 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.281 | 2.281 | (0.647) | 336758 | 10.0000 | 9.9 |
| | 110 Benzaldehyde | 77 | 3.069 | 3.069 | (0.870) | 111452 | 10.0000 | 10 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.187 | 3.187 | (0.903) | 441196 | 10.0000 | 10 |
| | 1 Phenol | 94 | 3.199 | 3.199 | (0.907) | 504624 | 10.0000 | 10 |
| | 73 Aniline | 93 | 3.187 | 3.187 | (0.903) | 565626 | 10.0000 | 10 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.269 | 3.269 | (0.927) | 383353 | 10.0000 | 10 |
| | 2 2-Chlorophenol | 128 | 3.310 | 3.310 | (0.938) | 379794 | 10.0000 | 11 |
| | 113 n-decane | 43 | 3.393 | 3.393 | (0.962) | 499103 | 10.0000 | 10 |
| | 21 1,3-Dichlorobenzene | 146 | 3.469 | 3.469 | (0.983) | 419917 | 10.0000 | 9.8 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.528 | 3.528 | (1.000) | 1055997 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.546 | 3.546 | (1.005) | 427125 | 10.0000 | 10 |
| | 74 Benzyl Alcohol | 108 | 3.687 | 3.687 | (1.045) | 205789 | 10.0000 | 10 |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2667.d
Report Date: 28-Sep-2009 14:35

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 23 | 1,2-Dichlorobenzene | 146 | 3.699 | 3.699 | (1.048) | 396211 | 10.0000 | 10 |
| 3 | 2-Methylphenol | 108 | 3.828 | 3.828 | (1.085) | 321515 | 10.0000 | 10 |
| 24 | bis (2-chloroisopropyl) ether | 45 | 3.834 | 3.834 | (1.087) | 577120 | 10.0000 | 10 |
| 4 | 4-Methylphenol | 108 | 3.993 | 3.993 | (1.132) | 345303 | 10.0000 | 10 |
| 124 | 3 & 4 Methylphenol | 108 | 3.993 | 3.993 | (1.132) | 345303 | 10.0000 | 10(A) |
| 104 | Acetophenone | 105 | 3.957 | 3.957 | (1.122) | 483913 | 10.0000 | 10 |
| 25 | N-Nitroso-di-n-propylamine | 70 | 3.969 | 3.969 | (1.125) | 250325 | 10.0000 | 11 |
| 26 | Hexachloroethane | 117 | 4.046 | 4.046 | (1.147) | 171480 | 10.0000 | 10 |
| $ 76 | Nitrobenzene-d5 (SUR) | 82 | 4.104 | 4.104 | (0.848) | 398425 | 10.0000 | 9.9 |
| 27 | Nitrobenzene | 77 | 4.122 | 4.122 | (0.852) | 570591 | 10.0000 | 9.8 |
| 107 | N,N-Dimethylaniline | 120 | 4.134 | 4.134 | (1.172) | 528898 | 10.0000 | 9.9 |
| 28 | Isophorone | 82 | 4.375 | 4.375 | (0.904) | 642571 | 10.0000 | 10 |
| 5 | 2-Nitrophenol | 139 | 4.457 | 4.457 | (0.921) | 175563 | 10.0000 | 9.9 |
| 6 | 2,4-Dimethylphenol | 122 | 4.540 | 4.540 | (0.938) | 277723 | 10.0000 | 10 |
| 29 | bis(2-Chloroethoxy)methane | 93 | 4.628 | 4.628 | (0.956) | 381310 | 10.0000 | 9.9 |
| 15 | Benzoic Acid | 122 | 4.663 | 4.663 | (0.964) | 44243 | 10.0000 | 4.8(a) |
| 7 | 2,4-Dichlorophenol | 162 | 4.710 | 4.710 | (0.973) | 261534 | 10.0000 | 10 |
| 30 | 1,2,4-Trichlorobenzene | 180 | 4.793 | 4.793 | (0.990) | 307854 | 10.0000 | 9.9 |
| * 80 | Naphthalene-d8 | 136 | 4.840 | 4.840 | (1.000) | 3832982 | 40.0000 | |
| 31 | Naphthalene | 128 | 4.857 | 4.857 | (1.004) | 981378 | 10.0000 | 10 |
| 32 | 4-Chloroaniline | 127 | 4.934 | 4.934 | (1.019) | 358981 | 10.0000 | 10 |
| 33 | Hexachlorobutadiene | 225 | 5.010 | 5.010 | (1.035) | 176416 | 10.0000 | 9.9 |
| 111 | Caprolactam | 113 | 5.281 | 5.281 | (1.091) | 58869 | 10.0000 | 9.2 |
| 8 | 4-Chloro-3-methylphenol | 107 | 5.463 | 5.463 | (1.129) | 252281 | 10.0000 | 10 |
| 34 | 2-Methylnaphthalene | 142 | 5.569 | 5.569 | (1.151) | 566948 | 10.0000 | 9.8 |
| 120 | 1-Methylnaphthalene | 142 | 5.663 | 5.663 | (1.170) | 574141 | 10.0000 | 10 |
| 35 | Hexachlorocyclopentadiene | 237 | 5.740 | 5.740 | (0.869) | 139854 | 10.0000 | 6.7 |
| 121 | 2-tert-Butyl-4-methylphenol | 149 | 5.816 | 5.816 | (1.202) | 383580 | 10.0000 | 10 |
| 9 | 2,4,6-Trichlorophenol | 196 | 5.869 | 5.869 | (0.889) | 163405 | 10.0000 | 9.6 |
| 10 | 2,4,5-Trichlorophenol | 196 | 5.904 | 5.904 | (0.894) | 170146 | 10.0000 | 10 |
| $ 77 | 2-Fluorobiphenyl (SUR) | 172 | 5.951 | 5.951 | (0.901) | 609736 | 10.0000 | 9.4 |
| 102 | Diphenyl | 154 | 6.045 | 6.045 | (0.915) | 681980 | 10.0000 | 9.7 |
| 36 | 2-Chloronaphthalene | 162 | 6.051 | 6.051 | (0.916) | 542491 | 10.0000 | 9.7 |
| 103 | Diphenyl Ether | 170 | 6.151 | 6.151 | (0.931) | 367494 | 10.0000 | 9.8 |
| 37 | 2-Nitroaniline | 65 | 6.169 | 6.169 | (0.934) | 204036 | 10.0000 | 11 |
| 123 | 1,3-Dimethylnaphthalene | 156 | 6.275 | 6.275 | (0.950) | 412190 | 10.0000 | 9.3 |
| 38 | Dimethylphthalate | 163 | 6.375 | 6.375 | (0.965) | 524532 | 10.0000 | 10 |
| 114 | Coumarin | 146 | 6.363 | 6.363 | (0.963) | 156064 | 10.0000 | 9.7 |
| 40 | 2,6-Dinitrotoluene | 165 | 6.416 | 6.416 | (0.971) | 113822 | 10.0000 | 10 |
| 39 | Acenaphthylene | 152 | 6.457 | 6.457 | (0.978) | 793168 | 10.0000 | 9.8 |
| 41 | 3-Nitroaniline | 138 | 6.581 | 6.581 | (0.996) | 115314 | 10.0000 | 9.9(a) |
| * 82 | Acenaphthene-d10 | 164 | 6.604 | 6.604 | (1.000) | 1841506 | 40.0000 | |
| 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 6.663 | 6.663 | (1.009) | 461246 | 10.0000 | 9.9 |
| 42 | Acenaphthene | 154 | 6.634 | 6.634 | (1.004) | 453773 | 10.0000 | 9.7 |
| 11 | 2,4-Dinitrophenol | 184 | 6.681 | 6.681 | (1.012) | 81090 | 20.0000 | 16 |
| 12 | 4-Nitrophenol | 65 | 6.781 | 6.781 | (1.027) | 176445 | 20.0000 | 19 |
| 44 | 2,4-Dinitrotoluene | 165 | 6.810 | 6.810 | (1.031) | 139367 | 10.0000 | 9.9 |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2667.d
Report Date: 28-Sep-2009 14:35

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 Dibenzofuran | 168 | 6.804 | 6.804 | (1.030) | 679087 | 10.0000 | 9.9 |
| | 45 Diethylphthalate | 149 | 7.075 | 7.075 | (1.071) | 480159 | 10.0000 | 10 |
| | 47 Fluorene | 166 | 7.140 | 7.140 | (1.081) | 519751 | 10.0000 | 9.8 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.157 | 7.157 | (1.084) | 255194 | 10.0000 | 10 |
| | 48 4-Nitroaniline | 138 | 7.175 | 7.175 | (1.086) | 91689 | 10.0000 | 10 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.210 | 7.210 | (0.896) | 116403 | 20.0000 | 17 |
| | 49 N-Nitrosodiphenylamine | 169 | 7.275 | 7.275 | (0.904) | 310428 | 10.0000 | 9.6 |
| | 75 1,2-Diphenylhydrazine | 77 | 7.310 | 7.310 | (0.908) | 651412 | 10.0000 | 9.8 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.381 | 7.381 | (1.118) | 54839 | 10.0000 | 9.6 |
| | 50 4-Bromophenyl-phenylether | 248 | 7.634 | 7.634 | (0.948) | 125020 | 10.0000 | 9.8 |
| | 51 Hexachlorobenzene | 284 | 7.687 | 7.687 | (0.955) | 119222 | 10.0000 | 9.2 |
| | 112 Atrazine | 200 | 7.822 | 7.822 | (0.972) | 106944 | 10.0000 | 10 |
| | 14 Pentachlorophenol | 266 | 7.887 | 7.887 | (0.980) | 125324 | 20.0000 | 18 |
| | 115 n-Octadecane | 57 | 8.022 | 8.022 | (0.996) | 363366 | 10.0000 | 9.5 |
| * | 83 Phenanthrene-d10 | 188 | 8.051 | 8.051 | (1.000) | 2121444 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.075 | 8.075 | (1.003) | 588715 | 10.0000 | 9.8 |
| | 53 Anthracene | 178 | 8.122 | 8.122 | (1.009) | 596134 | 10.0000 | 9.9 |
| | 54 Carbazole | 167 | 8.292 | 8.292 | (1.030) | 471470 | 10.0000 | 9.7 |
| | 55 Di-n-butylphthalate | 149 | 8.681 | 8.681 | (1.078) | 591558 | 10.0000 | 9.4 |
| | 56 Fluoranthene | 202 | 9.233 | 9.233 | (1.147) | 482097 | 10.0000 | 9.5 |
| | 58 Benzidine | 184 | 9.392 | 9.392 | (1.167) | 173809 | 20.0000 | 34 |
| | 57 Pyrene | 202 | 9.445 | 9.445 | (0.885) | 470344 | 10.0000 | 10 |
| $ | 78 Terphenyl-d14 | 244 | 9.633 | 9.633 | (0.903) | 316001 | 10.0000 | 10 |
| | 59 Butylbenzylphthalate | 149 | 10.133 | 10.133 | (0.950) | 173768 | 10.0000 | 9.8 |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.657 | 10.657 | (0.999) | 174645 | 20.0000 | 22 |
| | 61 Benzo(a)anthracene | 228 | 10.657 | 10.657 | (0.999) | 304214 | 10.0000 | 9.5 |
| * | 81 Chrysene-d12 | 240 | 10.669 | 10.669 | (1.000) | 1121611 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.769 | 10.769 | (1.009) | 218660 | 10.0000 | 9.5 |
| | 62 Chrysene | 228 | 10.692 | 10.692 | (1.002) | 291107 | 10.0000 | 10 |
| | 64 Di-n-octylphthalate | 149 | 11.527 | 11.527 | (0.932) | 253321 | 10.0000 | 7.3 |
| | 65 Benzo(b)fluoranthene | 252 | 11.892 | 11.892 | (0.962) | 194161 | 10.0000 | 9.6 |
| | 66 Benzo(k)fluoranthene | 252 | 11.927 | 11.927 | (0.965) | 233720 | 10.0000 | 10 |
| | 67 Benzo(a)pyrene | 252 | 12.286 | 12.286 | (0.994) | 166946 | 10.0000 | 9.8 |
| * | 84 Perylene-d12 | 264 | 12.363 | 12.363 | (1.000) | 702027 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.692 | 13.692 | (1.108) | 117960 | 10.0000 | 7.8 |
| | 69 Dibenz(a,h)anthracene | 278 | 13.727 | 13.727 | (1.110) | 118528 | 10.0000 | 7.5 |
| | 70 Benzo(g,h,i)perylene | 276 | 14.010 | 14.010 | (1.133) | 129112 | 10.0000 | 9.0 |

QC Flag Legend

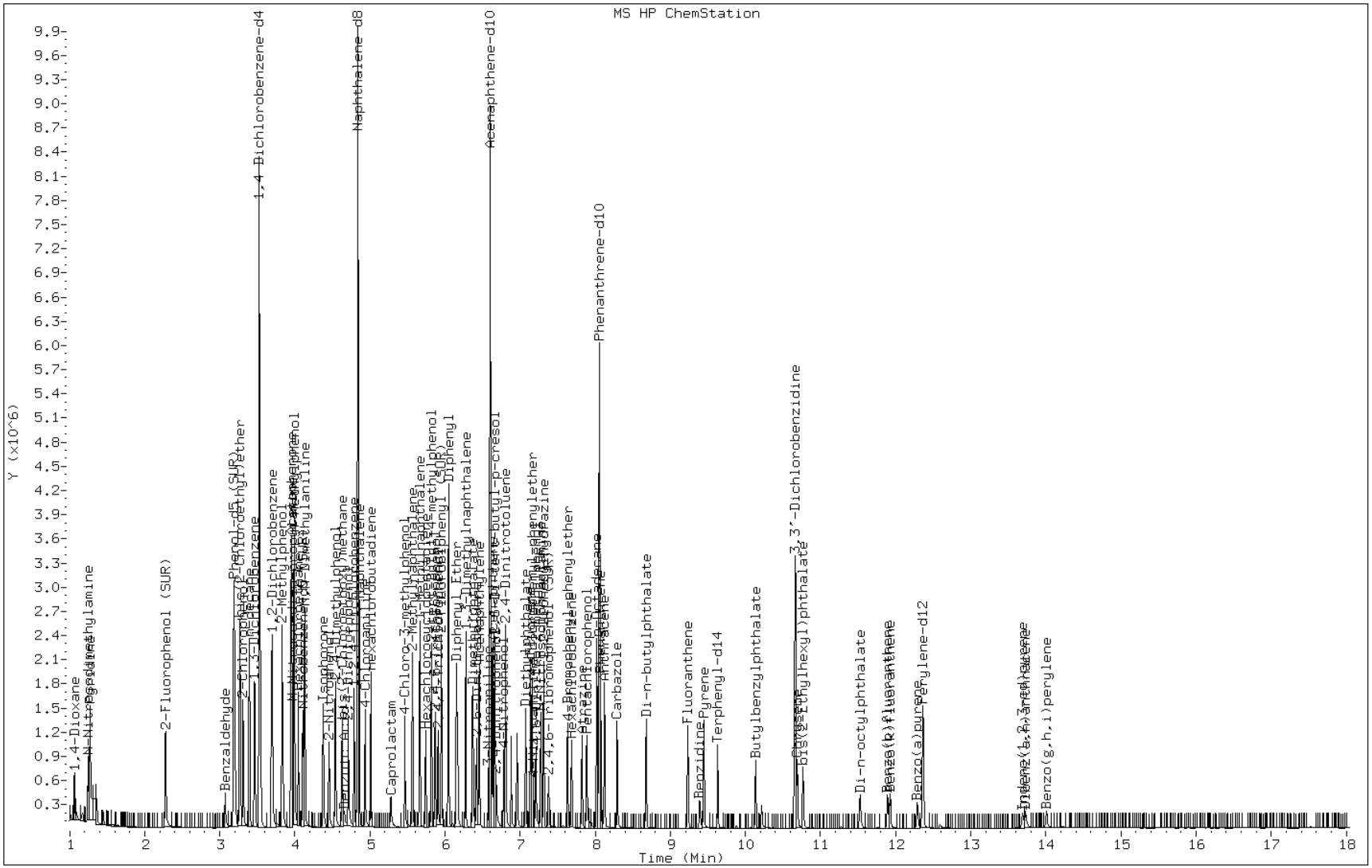
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: x2667.d

Date: 28-SEP-2009 14:17

Client ID: Instrument: BNAMS5.i

Sample Info: IC-210307 Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-17774/2 Calibration Date: 09/22/2009 15:25

Instrument ID: BNAMS11 Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/21/2009 03:58

Lab File ID: z4081.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | Ave | | 0.5804 | | 10.0 | 50000 | | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.8191 | 0.7803 | | 47600 | 50000 | -4.7 | 20.0 |
| Pyridine | Ave | 1.471 | 1.418 | | 48200 | 50000 | -3.6 | 20.0 |
| Benzaldehyde | Ave | 0.6558 | 0.2704 | | 20600 | 50000 | -58.8* | 20.0 |
| Phenol | Ave | 1.643 | 1.593 | | 48500 | 50000 | -3.0 | 20.0 |
| Aniline | Ave | 1.951 | 1.921 | | 49200 | 50000 | -1.6 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.396 | 1.332 | | 47700 | 50000 | -4.5 | 20.0 |
| 2-Chlorophenol | Ave | 1.420 | 1.363 | | 48000 | 50000 | -4.1 | 20.0 |
| n-Decane | Ave | 1.222 | 1.157 | | 47300 | 50000 | -5.3 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.680 | 1.624 | | 48300 | 50000 | -3.3 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.677 | 1.608 | | 47900 | 50000 | -4.1 | 20.0 |
| Benzyl alcohol | Ave | 0.8224 | 0.8436 | | 51300 | 50000 | 2.6 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.564 | 1.508 | | 48200 | 50000 | -3.6 | 20.0 |
| 2-Methylphenol | Ave | 1.147 | 1.086 | | 47300 | 50000 | -5.3 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | QuaF | 1.454 | 1.369 | | 50200 | 50000 | 0.4 | 20.0 |
| Acetophenone | Ave | 1.700 | 1.624 | | 47800 | 50000 | -4.5 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.8406 | 0.7749 | 0.0500 | 46100 | 50000 | -7.8 | 20.0 |
| 3 & 4 Methylphenol | LinF | 1.206 | 1.057 | | 51700 | 50000 | 3.5 | 20.0 |
| 4-Methylphenol | LinF | 1.206 | 1.056 | | 51700 | 50000 | 3.4 | 20.0 |
| Hexachloroethane | Ave | 0.6473 | 0.6378 | | 49300 | 50000 | -1.5 | 20.0 |
| Nitrobenzene | Ave | 0.5286 | 0.5005 | | 47300 | 50000 | -5.3 | 20.0 |
| n,n'-Dimethylaniline | Ave | 2.103 | 1.989 | | 47300 | 50000 | -5.4 | 20.0 |
| Isophorone | Ave | 0.6560 | 0.6354 | | 48400 | 50000 | -3.1 | 20.0 |
| 2-Nitrophenol | Ave | 0.1994 | 0.1966 | | 49300 | 50000 | -1.4 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.3082 | 0.2935 | | 47600 | 50000 | -4.8 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.3984 | 0.3869 | | 48600 | 50000 | -2.9 | 20.0 |
| Benzoic acid | Ave | 0.1203 | 0.1260 | | 52400 | 50000 | 4.8 | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.2737 | 0.2636 | | 48200 | 50000 | -3.7 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3430 | 0.3246 | | 47300 | 50000 | -5.3 | 20.0 |
| Naphthalene | Ave | 1.080 | 1.033 | | 47900 | 50000 | -4.3 | 20.0 |
| 4-Chloroaniline | Ave | 0.4046 | 0.3929 | | 48600 | 50000 | -2.9 | 20.0 |
| Hexachlorobutadiene | Ave | 0.2037 | 0.1956 | | 48000 | 50000 | -3.9 | 20.0 |
| Caprolactam | Ave | 0.0786 | 0.0798 | | 50800 | 50000 | 1.5 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.2751 | 0.2656 | | 48300 | 50000 | -3.4 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6508 | 0.6189 | | 47600 | 50000 | -4.9 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6338 | 0.6125 | | 48300 | 50000 | -3.4 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.4047 | 0.4447 | 0.0500 | 54900 | 50000 | 9.9 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4276 | 0.4161 | | 48600 | 50000 | -2.7 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3790 | 0.3645 | | 48100 | 50000 | -3.8 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3749 | 0.3747 | | 50000 | 50000 | 0.1 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.583 | 1.541 | | 48700 | 50000 | -2.6 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-17774/2 Calibration Date: 09/22/2009 15:25

Instrument ID: BNAMS11 Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/21/2009 03:58

Lab File ID: z4081.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloronaphthalene | Ave | 1.263 | 1.206 | | 47700 | 50000 | -4.6 | 20.0 |
| Phenyl ether | Ave | 0.8700 | 0.8327 | | 47900 | 50000 | -4.3 | 20.0 |
| 2-Nitroaniline | Ave | 0.3947 | 0.3661 | | 46400 | 50000 | -7.3 | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 1.008 | 0.9689 | | 48100 | 50000 | -3.9 | 20.0 |
| Dimethyl phthalate | Ave | 1.237 | 1.187 | | 48000 | 50000 | -4.0 | 20.0 |
| Coumarin | Ave | 0.3895 | 0.3725 | | 47800 | 50000 | -4.4 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2754 | 0.2741 | | 49700 | 50000 | -0.5 | 20.0 |
| Acenaphthylene | Ave | 1.911 | 1.854 | | 48500 | 50000 | -3.0 | 20.0 |
| 3-Nitroaniline | Ave | 0.2790 | 0.2804 | | 50300 | 50000 | 0.5 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.026 | 1.052 | | 51200 | 50000 | 2.5 | 20.0 |
| Acenaphthene | Ave | 1.106 | 1.036 | | 46800 | 50000 | -6.3 | 20.0 |
| 2,4-Dinitrophenol | QuaF | 0.1066 | 0.1158 | 0.0500 | 51100 | 50000 | 2.2 | 20.0 |
| 4-Nitrophenol | Ave | 0.1736 | 0.1735 | 0.0500 | 50000 | 50000 | 0.1 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3254 | 0.3159 | | 48500 | 50000 | -2.9 | 20.0 |
| Dibenzofuran | Ave | 1.587 | 1.495 | | 47100 | 50000 | -5.8 | 20.0 |
| Diethyl phthalate | Ave | 1.152 | 1.119 | | 48600 | 50000 | -2.9 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.5834 | 0.5503 | | 47200 | 50000 | -5.7 | 20.0 |
| Fluorene | Ave | 1.199 | 1.135 | | 47300 | 50000 | -5.4 | 20.0 |
| 4-Nitroaniline | Ave | 0.2384 | 0.2368 | | 49700 | 50000 | -0.7 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1127 | 0.1217 | | 54000 | 50000 | 8.1 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6304 | 0.5960 | | 47300 | 50000 | -5.5 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 1.136 | 1.104 | | 48600 | 50000 | -2.8 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2656 | 0.2537 | | 47800 | 50000 | -4.5 | 20.0 |
| Hexachlorobenzene | Ave | 0.2566 | 0.2463 | | 48000 | 50000 | -4.0 | 20.0 |
| Atrazine | Ave | 0.1860 | 0.1941 | | 52200 | 50000 | 4.4 | 20.0 |
| Pentachlorophenol | Ave | 0.1116 | 0.1138 | | 51000 | 50000 | 2.0 | 20.0 |
| n-Octadecane | Ave | 0.5992 | 0.5865 | | 48900 | 50000 | -2.1 | 20.0 |
| Phenanthrene | Ave | 1.154 | 1.105 | | 47900 | 50000 | -4.2 | 20.0 |
| Anthracene | Ave | 1.167 | 1.135 | | 48600 | 50000 | -2.7 | 20.0 |
| Carbazole | Ave | 0.8948 | 0.8775 | | 49000 | 50000 | -1.9 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.165 | 1.188 | | 51000 | 50000 | 2.0 | 20.0 |
| Fluoranthene | Ave | 0.8985 | 0.9010 | | 50100 | 50000 | 0.3 | 20.0 |
| Benzidine | Ave | 0.1368 | 0.0447 | | 16400 | 50000 | -67.3* | 20.0 |
| Pyrene | Ave | 1.800 | 1.783 | | 49500 | 50000 | -1.0 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.6596 | 0.6952 | | 52700 | 50000 | 5.4 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.1561 | 0.2478 | | 794 | 500 | 58.7* | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.2911 | 0.2513 | | 43200 | 50000 | -13.7 | 20.0 |
| Benzo[a]anthracene | Ave | 1.132 | 1.071 | | 47300 | 50000 | -5.4 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.8443 | 0.8669 | | 51300 | 50000 | 2.7 | 20.0 |
| Chrysene | Ave | 1.061 | 1.012 | | 47700 | 50000 | -4.6 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-17774/2  Calibration Date: 09/22/2009 15:25

Instrument ID: BNAMS11  Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS  ID: 0.25(mm)  Calib End Date: 09/21/2009 03:58

Lab File ID: z4081.d  Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | Ave | 1.608 | 1.833 | | 57000 | 50000 | 14.0 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.147 | 1.228 | | 53500 | 50000 | 7.1 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.242 | 1.235 | | 49700 | 50000 | -0.5 | 20.0 |
| Benzo[a]pyrene | Ave | 0.9631 | 1.010 | | 52400 | 50000 | 4.8 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 0.8827 | 0.8802 | | 49900 | 50000 | -0.3 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.8632 | 0.8775 | | 50800 | 50000 | 1.7 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 0.8948 | 0.8810 | | 49200 | 50000 | -1.5 | 20.0 |
| 2-Fluorophenol | Ave | 1.370 | 1.355 | | 49400 | 50000 | -1.1 | 20.0 |
| Phenol-d5 | Ave | 1.482 | 1.466 | | 49500 | 50000 | -1.0 | 20.0 |
| Nitrobenzene-d5 | Ave | 0.3792 | 0.3821 | | 50400 | 50000 | 0.8 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.409 | 1.425 | | 50600 | 50000 | 1.2 | 20.0 |
| 2,4,6-Tribromophenol | Ave | 0.1373 | 0.1403 | | 51100 | 50000 | 2.2 | 20.0 |
| Terphenyl-d14 | Ave | 1.151 | 1.304 | | 56700 | 50000 | 13.3 | 20.0 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4081.d
Report Date: 22-Sep-2009 15:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4081.d
Lab Smp Id: CCVIS-210292
Inj Date : 22-SEP-2009 15:25
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : CCVIS-210292
Misc Info : 50ppm bna 4407
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom Quant Type: ISTD
Cal Date : 22-SEP-2009 15:25 Cal File: z4081.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.881 | 1.881 | (0.436) | 346599 | 50.0000 | 48(H) |
| | 71 Pyridine | 79 | 1.910 | 1.910 | (0.443) | 629932 | 50.0000 | 48 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.028 | 3.028 | (0.702) | 601755 | 50.0000 | 49 |
| | 110 Benzaldehyde | 77 | 3.863 | 3.863 | (0.896) | 120131 | 50.0000 | 21 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.957 | 3.957 | (0.918) | 651316 | 50.0000 | 49 |
| | 1 Phenol | 94 | 3.975 | 3.975 | (0.922) | 707627 | 50.0000 | 48 |
| | 73 Aniline | 93 | 3.981 | 3.981 | (0.924) | 853268 | 50.0000 | 49 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.045 | 4.045 | (0.939) | 591826 | 50.0000 | 48 |
| | 2 2-Chlorophenol | 128 | 4.104 | 4.104 | (0.952) | 605244 | 50.0000 | 48 |
| | 113 n-decane | 43 | 4.157 | 4.157 | (0.965) | 513965 | 50.0000 | 47 |
| | 21 1,3-Dichlorobenzene | 146 | 4.257 | 4.257 | (0.988) | 721312 | 50.0000 | 48 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.310 | 4.310 | (1.000) | 355361 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.328 | 4.328 | (1.004) | 714263 | 50.0000 | 48 |
| | 74 Benzyl Alcohol | 108 | 4.457 | 4.457 | (1.034) | 374736 | 50.0000 | 51 |
| | 23 1,2-Dichlorobenzene | 146 | 4.481 | 4.481 | (1.040) | 669793 | 50.0000 | 48 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4081.d
Report Date: 22-Sep-2009 15:58

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 3 2-Methylphenol | 108 | 4.575 | 4.575 | (1.061) | 482458 | 50.0000 | 47 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.587 | 4.587 | (1.064) | 608118 | 50.0000 | 50 |
| | 104 Acetophenone | 105 | 4.722 | 4.722 | (1.096) | 721497 | 50.0000 | 48 |
| | 4 4-Methylphenol | 108 | 4.734 | 4.734 | (1.098) | 469244 | 50.0000 | 52 |
| | 124 3 & 4 methylphenol | 108 | 4.734 | 4.734 | (1.098) | 469724 | 50.0000 | 52 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.728 | 4.728 | (1.097) | 344229 | 50.0000 | 46 |
| | 26 Hexachloroethane | 117 | 4.822 | 4.822 | (1.119) | 283308 | 50.0000 | 49 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.869 | 4.869 | (0.871) | 602564 | 50.0000 | 50 |
| | 27 Nitrobenzene | 77 | 4.892 | 4.892 | (0.875) | 789240 | 50.0000 | 47 |
| | 107 N,N-Dimethylaniline | 120 | 4.898 | 4.898 | (1.136) | 883605 | 50.0000 | 47 |
| | 28 Isophorone | 82 | 5.134 | 5.134 | (0.918) | 1002001 | 50.0000 | 48 |
| | 5 2-Nitrophenol | 139 | 5.210 | 5.210 | (0.932) | 309956 | 50.0000 | 49 |
| | 6 2,4-Dimethylphenol | 122 | 5.263 | 5.263 | (0.941) | 462904 | 50.0000 | 48 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.351 | 5.351 | (0.957) | 610051 | 50.0000 | 48 |
| | 15 Benzoic Acid | 122 | 5.404 | 5.404 | (0.966) | 198729 | 50.0000 | 52(H) |
| | 7 2,4-Dichlorophenol | 162 | 5.457 | 5.457 | (0.976) | 415741 | 50.0000 | 48 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.539 | 5.539 | (0.991) | 511953 | 50.0000 | 47 |
| * | 80 Naphthalene-d8 | 136 | 5.592 | 5.592 | (1.000) | 1261584 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.616 | 5.616 | (1.004) | 1629560 | 50.0000 | 48 |
| | 32 4-Chloroaniline | 127 | 5.669 | 5.669 | (1.014) | 619574 | 50.0000 | 48 |
| | 33 Hexachlorobutadiene | 225 | 5.745 | 5.745 | (1.027) | 308512 | 50.0000 | 48 |
| | 111 Caprolactam | 113 | 6.051 | 6.051 | (1.082) | 125814 | 50.0000 | 51 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.175 | 6.175 | (1.104) | 418854 | 50.0000 | 48 |
| | 34 2-Methylnaphthalene | 142 | 6.304 | 6.304 | (1.127) | 976044 | 50.0000 | 48 |
| | 120 1-Methylnaphthalene | 142 | 6.404 | 6.404 | (1.145) | 965967 | 50.0000 | 48 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.475 | 6.475 | (0.881) | 325215 | 50.0000 | 55 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.522 | 6.522 | (1.166) | 656171 | 50.0000 | 49 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.598 | 6.598 | (0.898) | 266576 | 50.0000 | 48 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.639 | 6.639 | (0.904) | 273997 | 50.0000 | 50 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1042011 | 50.0000 | 50 |
| | 102 Diphenyl | 154 | 6.775 | 6.775 | (0.922) | 1126867 | 50.0000 | 49 |
| | 36 2-Chloronaphthalene | 162 | 6.792 | 6.792 | (0.925) | 881644 | 50.0000 | 48 |
| | 103 Diphenyl Ether | 170 | 6.881 | 6.881 | (0.937) | 608962 | 50.0000 | 48 |
| | 37 2-Nitroaniline | 65 | 6.898 | 6.898 | (0.939) | 267692 | 50.0000 | 46 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.010 | 7.010 | (0.954) | 708526 | 50.0000 | 48 |
| | 38 Dimethylphthalate | 163 | 7.081 | 7.081 | (0.964) | 868377 | 50.0000 | 48 |
| | 114 Coumarin | 146 | 7.104 | 7.104 | (0.967) | 272364 | 50.0000 | 48 |
| | 40 2,6-Dinitrotoluene | 165 | 7.139 | 7.139 | (0.972) | 200404 | 50.0000 | 50 |
| | 39 Acenaphthylene | 152 | 7.204 | 7.204 | (0.981) | 1355589 | 50.0000 | 48 |
| | 41 3-Nitroaniline | 138 | 7.304 | 7.304 | (0.994) | 205077 | 50.0000 | 50 |
| * | 82 Acenaphthene-d10 | 164 | 7.345 | 7.345 | (1.000) | 585018 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.375 | 7.375 | (1.004) | 757678 | 50.0000 | 47 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.369 | 7.369 | (1.003) | 769345 | 50.0000 | 51 |
| | 11 2,4-Dinitrophenol | 184 | 7.410 | 7.410 | (1.009) | 84670 | 50.0000 | 51 |
| | 12 4-Nitrophenol | 65 | 7.481 | 7.481 | (1.018) | 126865 | 50.0000 | 50 |
| | 44 2,4-Dinitrotoluene | 165 | 7.539 | 7.539 | (1.026) | 231014 | 50.0000 | 48 |
| | 43 Dibenzofuran | 168 | 7.545 | 7.545 | (1.027) | 1093595 | 50.0000 | 47 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4081.d
Report Date: 22-Sep-2009 15:58

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 45 | Diethylphthalate | 149 | 7.780 | 7.780 | (1.059) | 817926 | 50.0000 | 48 |
| | 47 | Fluorene | 166 | 7.886 | 7.886 | (1.074) | 829873 | 50.0000 | 47 |
| | 46 | 4-Chlorophenyl-phenylether | 204 | 7.886 | 7.886 | (1.074) | 402406 | 50.0000 | 47 |
| | 48 | 4-Nitroaniline | 138 | 7.910 | 7.910 | (1.077) | 173193 | 50.0000 | 50 |
| | 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.939 | 7.939 | (0.902) | 106644 | 50.0000 | 54 |
| | 49 | N-Nitrosodiphenylamine | 169 | 8.004 | 8.004 | (0.909) | 522093 | 50.0000 | 47 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 8.039 | 8.039 | (0.913) | 967340 | 50.0000 | 49 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.122 | 8.122 | (1.106) | 102619 | 50.0000 | 51 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 8.363 | 8.363 | (0.950) | 222258 | 50.0000 | 48 |
| | 51 | Hexachlorobenzene | 284 | 8.433 | 8.433 | (0.958) | 215767 | 50.0000 | 48 |
| | 112 | Atrazine | 200 | 8.533 | 8.533 | (0.969) | 170025 | 50.0000 | 52 |
| | 14 | Pentachlorophenol | 266 | 8.627 | 8.627 | (0.980) | 99712 | 50.0000 | 51 |
| | 115 | n-Octadecane | 57 | 8.710 | 8.710 | (0.989) | 513753 | 50.0000 | 49 |
| * | 83 | Phenanthrene-d10 | 188 | 8.804 | 8.804 | (1.000) | 700802 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 8.827 | 8.827 | (1.003) | 967899 | 50.0000 | 48 |
| | 53 | Anthracene | 178 | 8.880 | 8.880 | (1.009) | 994576 | 50.0000 | 49 |
| | 54 | Carbazole | 167 | 9.039 | 9.039 | (1.027) | 768652 | 50.0000 | 49 |
| | 55 | Di-n-butylphthalate | 149 | 9.386 | 9.386 | (1.066) | 1041114 | 50.0000 | 51 |
| | 56 | Fluoranthene | 202 | 9.998 | 9.998 | (1.136) | 789282 | 50.0000 | 50 |
| | 58 | Benzidine | 184 | 10.127 | 10.127 | (1.150) | 39193 | 50.0000 | 16 |
| | 57 | Pyrene | 202 | 10.222 | 10.222 | (0.884) | 759031 | 50.0000 | 50 |
| $ | 78 | Terphenyl-d14 | 244 | 10.380 | 10.380 | (0.898) | 555094 | 50.0000 | 57 |
| | 59 | Butylbenzylphthalate | 149 | 10.904 | 10.904 | (0.944) | 295998 | 50.0000 | 53 |
| | 109 | 2,3,7,8-TCDD (Screen) | 322 | 11.010 | 11.010 | (0.953) | 1055 | 0.50000 | 0.79 |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 11.516 | 11.516 | (0.996) | 106984 | 50.0000 | 43 |
| | 61 | Benzo(a)anthracene | 228 | 11.545 | 11.545 | (0.999) | 455946 | 50.0000 | 47 |
| * | 81 | Chrysene-d12 | 240 | 11.557 | 11.557 | (1.000) | 340619 | 40.0000 | |
| | 62 | Chrysene | 228 | 11.592 | 11.592 | (1.003) | 430816 | 50.0000 | 48 |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.592 | 11.592 | (1.003) | 369086 | 50.0000 | 51 |
| | 64 | Di-n-octylphthalate | 149 | 12.439 | 12.439 | (0.924) | 487852 | 50.0000 | 57 |
| | 65 | Benzo(b)fluoranthene | 252 | 12.945 | 12.945 | (0.962) | 326848 | 50.0000 | 54 |
| | 66 | Benzo(k)fluoranthene | 252 | 12.980 | 12.980 | (0.964) | 328698 | 50.0000 | 50 |
| | 67 | Benzo(a)pyrene | 252 | 13.386 | 13.386 | (0.994) | 268723 | 50.0000 | 52 |
| * | 84 | Perylene-d12 | 264 | 13.462 | 13.462 | (1.000) | 212921 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 14.957 | 14.957 | (1.111) | 234272 | 50.0000 | 50 |
| | 69 | Dibenz(a,h)anthracene | 278 | 14.992 | 14.992 | (1.114) | 233549 | 50.0000 | 51 |
| | 70 | Benzo(g,h,i)perylene | 276 | 15.368 | 15.368 | (1.142) | 234479 | 50.0000 | 49 |

QC Flag Legend

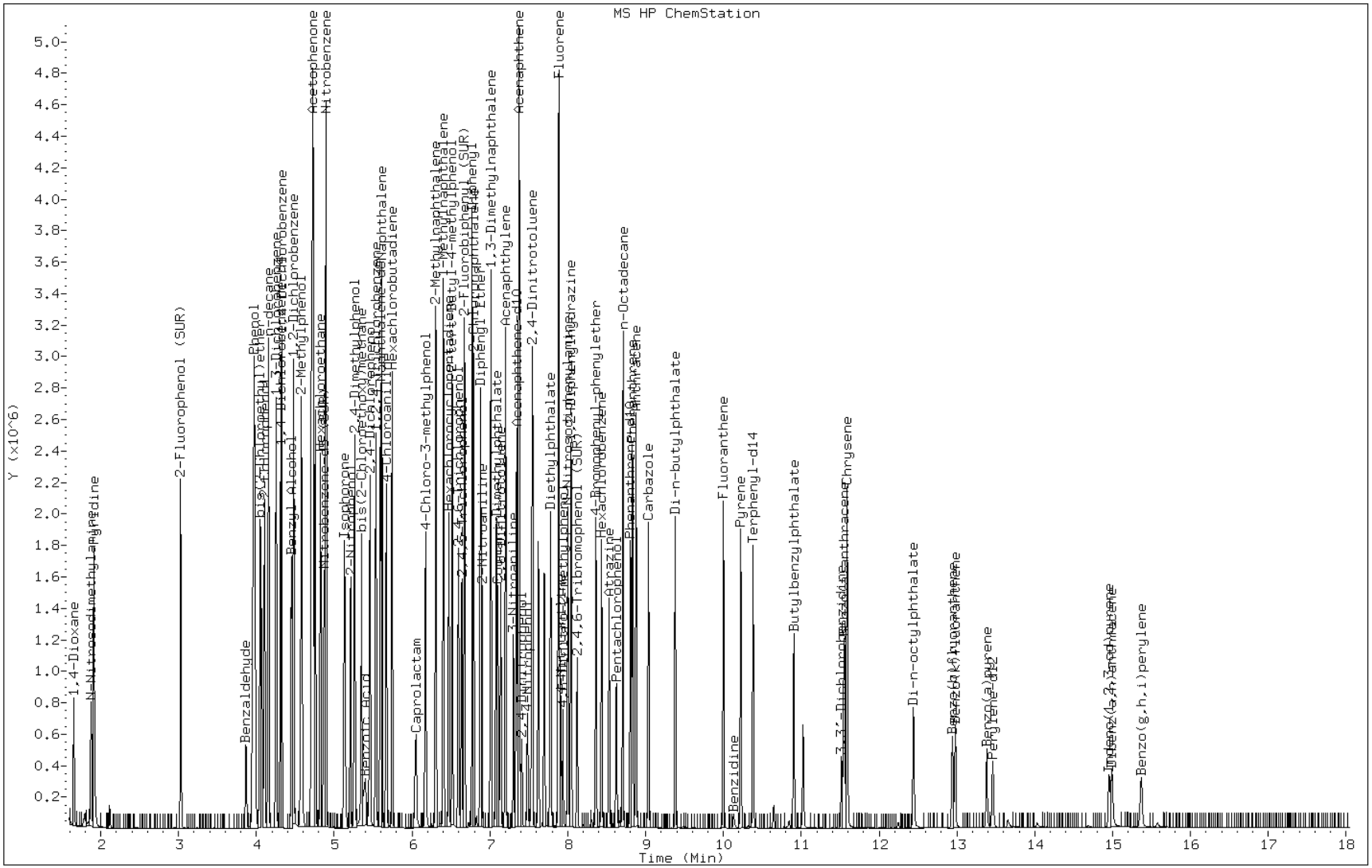
H - Operator selected an alternate compound hit.

Data File: z4081.d

Date: 22-SEP-2009 15:25

Client ID: Instrument: BNAMS11.i

Sample Info: CCVIS-210292 Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-17780/2 Calibration Date: 09/23/2009 11:36

Instrument ID: BNAMS11 Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/21/2009 03:58

Lab File ID: z4127.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | Ave | | 0.5731 | | 10.0 | 50000 | | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.8191 | 0.7580 | | 46300 | 50000 | -7.5 | 20.0 |
| Pyridine | Ave | 1.471 | 1.345 | | 45700 | 50000 | -8.6 | 20.0 |
| Benzaldehyde | Ave | 0.6558 | 0.2382 | | 18200 | 50000 | -63.7* | 20.0 |
| Phenol | Ave | 1.643 | 1.540 | | 46900 | 50000 | -6.3 | 20.0 |
| Aniline | Ave | 1.951 | 1.812 | | 46400 | 50000 | -7.2 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.396 | 1.278 | | 45800 | 50000 | -8.5 | 20.0 |
| 2-Chlorophenol | Ave | 1.420 | 1.349 | | 47500 | 50000 | -5.0 | 20.0 |
| n-Decane | Ave | 1.222 | 1.132 | | 46300 | 50000 | -7.4 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.680 | 1.595 | | 47500 | 50000 | -5.1 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.677 | 1.556 | | 46400 | 50000 | -7.2 | 20.0 |
| Benzyl alcohol | Ave | 0.8224 | 0.8062 | | 49000 | 50000 | -2.0 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.564 | 1.467 | | 46900 | 50000 | -6.2 | 20.0 |
| 2-Methylphenol | Ave | 1.147 | 1.041 | | 45400 | 50000 | -9.2 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | QuaF | 1.454 | 1.310 | | 47600 | 50000 | -4.8 | 20.0 |
| Acetophenone | Ave | 1.700 | 1.526 | | 44900 | 50000 | -10.2 | 20.0 |
| 3 & 4 Methylphenol | LinF | 1.206 | 1.041 | | 50900 | 50000 | 1.8 | 20.0 |
| 4-Methylphenol | LinF | 1.206 | 1.041 | | 50900 | 50000 | 1.8 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.8406 | 0.7214 | 0.0500 | 42900 | 50000 | -14.2 | 20.0 |
| Hexachloroethane | Ave | 0.6473 | 0.6254 | | 48300 | 50000 | -3.4 | 20.0 |
| Nitrobenzene | Ave | 0.5286 | 0.4898 | | 46300 | 50000 | -7.3 | 20.0 |
| n,n'-Dimethylaniline | Ave | 2.103 | 1.851 | | 44000 | 50000 | -12.0 | 20.0 |
| Isophorone | Ave | 0.6560 | 0.6076 | | 46300 | 50000 | -7.4 | 20.0 |
| 2-Nitrophenol | Ave | 0.1994 | 0.1973 | | 49500 | 50000 | -1.0 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.3082 | 0.2878 | | 46700 | 50000 | -6.6 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.3984 | 0.3758 | | 47200 | 50000 | -5.7 | 20.0 |
| Benzoic acid | Ave | 0.1203 | 0.0592 | | 24600 | 50000 | -50.8* | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.2737 | 0.2601 | | 47500 | 50000 | -5.0 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3430 | 0.3284 | | 47900 | 50000 | -4.2 | 20.0 |
| Naphthalene | Ave | 1.080 | 1.015 | | 47000 | 50000 | -6.0 | 20.0 |
| 4-Chloroaniline | Ave | 0.4046 | 0.3711 | | 45900 | 50000 | -8.3 | 20.0 |
| Hexachlorobutadiene | Ave | 0.2037 | 0.1968 | | 48300 | 50000 | -3.4 | 20.0 |
| Caprolactam | Ave | 0.0786 | 0.0587 | | 37400 | 50000 | -25.3* | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.2751 | 0.2570 | | 46700 | 50000 | -6.6 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6508 | 0.5965 | | 45800 | 50000 | -8.3 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6338 | 0.5894 | | 46500 | 50000 | -7.0 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.4047 | 0.4505 | 0.0500 | 55600 | 50000 | 11.3 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4276 | 0.3989 | | 46600 | 50000 | -6.7 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3790 | 0.3771 | | 49700 | 50000 | -0.5 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3749 | 0.3706 | | 49400 | 50000 | -1.2 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.583 | 1.525 | | 48200 | 50000 | -3.7 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-17780/2 Calibration Date: 09/23/2009 11:36

Instrument ID: BNAMS11 Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/21/2009 03:58

Lab File ID: z4127.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloronaphthalene | Ave | 1.263 | 1.202 | | 47600 | 50000 | -4.9 | 20.0 |
| Phenyl ether | Ave | 0.8700 | 0.8274 | | 47600 | 50000 | -4.9 | 20.0 |
| 2-Nitroaniline | Ave | 0.3947 | 0.3141 | | 39800 | 50000 | -20.4* | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 1.008 | 0.9892 | | 49100 | 50000 | -1.8 | 20.0 |
| Dimethyl phthalate | Ave | 1.237 | 1.102 | | 44500 | 50000 | -10.9 | 20.0 |
| Coumarin | Ave | 0.3895 | 0.3420 | | 43900 | 50000 | -12.2 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2754 | 0.2542 | | 46100 | 50000 | -7.7 | 20.0 |
| Acenaphthylene | Ave | 1.911 | 1.761 | | 46100 | 50000 | -7.9 | 20.0 |
| 3-Nitroaniline | Ave | 0.2790 | 0.2530 | | 45300 | 50000 | -9.3 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.026 | 1.049 | | 51100 | 50000 | 2.2 | 20.0 |
| Acenaphthene | Ave | 1.106 | 1.000 | | 45200 | 50000 | -9.5 | 20.0 |
| 2,4-Dinitrophenol | QuaF | 0.1066 | 0.0750 | 0.0500 | 34100 | 50000 | -31.8* | 20.0 |
| 4-Nitrophenol | Ave | 0.1736 | 0.1498 | 0.0500 | 43100 | 50000 | -13.7 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3254 | 0.2798 | | 43000 | 50000 | -14.0 | 20.0 |
| Dibenzofuran | Ave | 1.587 | 1.431 | | 45100 | 50000 | -9.8 | 20.0 |
| Diethyl phthalate | Ave | 1.152 | 1.010 | | 43800 | 50000 | -12.3 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.5834 | 0.5243 | | 44900 | 50000 | -10.1 | 20.0 |
| Fluorene | Ave | 1.199 | 1.058 | | 44100 | 50000 | -11.7 | 20.0 |
| 4-Nitroaniline | Ave | 0.2384 | 0.2119 | | 44400 | 50000 | -11.1 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1127 | 0.0991 | | 44000 | 50000 | -12.0 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6304 | 0.6068 | | 48100 | 50000 | -3.7 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 1.136 | 1.111 | | 48900 | 50000 | -2.2 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2656 | 0.2592 | | 48800 | 50000 | -2.4 | 20.0 |
| Hexachlorobenzene | Ave | 0.2566 | 0.2459 | | 47900 | 50000 | -4.2 | 20.0 |
| Atrazine | Ave | 0.1860 | 0.1838 | | 49400 | 50000 | -1.2 | 20.0 |
| Pentachlorophenol | Ave | 0.1116 | 0.1086 | | 48600 | 50000 | -2.7 | 20.0 |
| n-Octadecane | Ave | 0.5992 | 0.6114 | | 51000 | 50000 | 2.0 | 20.0 |
| Phenanthrene | Ave | 1.154 | 1.087 | | 47100 | 50000 | -5.8 | 20.0 |
| Anthracene | Ave | 1.167 | 1.105 | | 47400 | 50000 | -5.3 | 20.0 |
| Carbazole | Ave | 0.8948 | 0.8506 | | 47500 | 50000 | -4.9 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.165 | 1.105 | | 47400 | 50000 | -5.1 | 20.0 |
| Fluoranthene | Ave | 0.8985 | 0.8595 | | 47800 | 50000 | -4.3 | 20.0 |
| Benzidine | Ave | 0.1368 | 0.0331 | | 12100 | 50000 | -75.8* | 20.0 |
| Pyrene | Ave | 1.800 | 1.718 | | 47700 | 50000 | -4.5 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.6596 | 0.6606 | | 50100 | 50000 | 0.1 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.1561 | 0.2833 | | 907 | 500 | 81.5* | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.2911 | 0.2760 | | 47400 | 50000 | -5.2 | 20.0 |
| Benzo[a]anthracene | Ave | 1.132 | 1.054 | | 46500 | 50000 | -6.9 | 20.0 |
| Chrysene | Ave | 1.061 | 0.9990 | | 47100 | 50000 | -5.8 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.8443 | 0.8162 | | 48300 | 50000 | -3.3 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-17780/2  Calibration Date: 09/23/2009 11:36

Instrument ID: BNAMS11  Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS  ID: 0.25(mm)  Calib End Date: 09/21/2009 03:58

Lab File ID: z4127.d  Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | Ave | 1.608 | 1.594 | | 49600 | 50000 | -0.9 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.147 | 1.083 | | 47200 | 50000 | -5.6 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.242 | 1.220 | | 49100 | 50000 | -1.8 | 20.0 |
| Benzo[a]pyrene | Ave | 0.9631 | 0.9465 | | 49100 | 50000 | -1.7 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 0.8827 | 0.8491 | | 48100 | 50000 | -3.8 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.8632 | 0.8868 | | 51400 | 50000 | 2.7 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 0.8948 | 0.9165 | | 51200 | 50000 | 2.4 | 20.0 |
| 2-Fluorophenol | Ave | 1.370 | 1.341 | | 48900 | 50000 | -2.2 | 20.0 |
| Phenol-d5 | Ave | 1.482 | 1.407 | | 47500 | 50000 | -5.1 | 20.0 |
| Nitrobenzene-d5 | Ave | 0.3792 | 0.3825 | | 50400 | 50000 | 0.9 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.409 | 1.451 | | 51500 | 50000 | 3.0 | 20.0 |
| 2,4,6-Tribromophenol | Ave | 0.1373 | 0.1269 | | 46200 | 50000 | -7.6 | 20.0 |
| Terphenyl-d14 | Ave | 1.151 | 1.268 | | 55100 | 50000 | 10.2 | 20.0 |

Data File: /chem/BNAMS11.i/8270/09-21-09/23sep09.b/z4127.d
Report Date: 23-Sep-2009 12:13

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/23sep09.b/z4127.d
Lab Smp Id: CCVIS-210292
Inj Date : 23-SEP-2009 11:36
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : CCVIS-210292
Misc Info : 50ppm bna4407
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/23sep09.b/8270C_08SP.m
Meth Date : 23-Sep-2009 12:13 monica Quant Type: ISTD
Cal Date : 23-SEP-2009 11:36 Cal File: z4127.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 19 | N-Nitrosodimethylamine | 74 | 1.875 | 1.875 | (0.437) | 344736 | 50.0000 | 46 |
| 71 | Pyridine | 79 | 1.905 | 1.905 | (0.444) | 611725 | 50.0000 | 46 |
| $ 16 | 2-Fluorophenol (SUR) | 112 | 3.016 | 3.016 | (0.703) | 609844 | 50.0000 | 49 |
| 110 | Benzaldehyde | 77 | 3.851 | 3.851 | (0.897) | 108354 | 50.0000 | 18 |
| $ 17 | Phenol-d5 (SUR) | 99 | 3.940 | 3.940 | (0.918) | 639765 | 50.0000 | 47 |
| 1 | Phenol | 94 | 3.957 | 3.957 | (0.922) | 700411 | 50.0000 | 47 |
| 73 | Aniline | 93 | 3.963 | 3.963 | (0.923) | 823919 | 50.0000 | 46 |
| 20 | bis(2-Chloroethyl)ether | 93 | 4.028 | 4.028 | (0.938) | 581068 | 50.0000 | 46 |
| 2 | 2-Chlorophenol | 128 | 4.093 | 4.093 | (0.953) | 613625 | 50.0000 | 48 |
| 113 | n-decane | 43 | 4.140 | 4.140 | (0.964) | 514764 | 50.0000 | 46 |
| 21 | 1,3-Dichlorobenzene | 146 | 4.240 | 4.240 | (0.988) | 725245 | 50.0000 | 47 |
| * 79 | 1,4-Dichlorobenzene-d4 | 152 | 4.293 | 4.293 | (1.000) | 363850 | 40.0000 | |
| 22 | 1,4-Dichlorobenzene | 146 | 4.310 | 4.310 | (1.004) | 707862 | 50.0000 | 46 |
| 74 | Benzyl Alcohol | 108 | 4.440 | 4.440 | (1.034) | 366667 | 50.0000 | 49 |
| 23 | 1,2-Dichlorobenzene | 146 | 4.463 | 4.463 | (1.040) | 667261 | 50.0000 | 47 |

Data File: /chem/BNAMS11.i/8270/09-21-09/23sep09.b/z4127.d
Report Date: 23-Sep-2009 12:13

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.563 | 4.563 | (1.063) | 473621 | 50.0000 | 45 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.569 | 4.569 | (1.064) | 595757 | 50.0000 | 48 |
| | 104 Acetophenone | 105 | 4.704 | 4.704 | (1.096) | 694201 | 50.0000 | 45 |
| | 4 4-Methylphenol | 108 | 4.716 | 4.716 | (1.099) | 473291 | 50.0000 | 51 |
| | 124 3 & 4 methylphenol | 108 | 4.716 | 4.716 | (1.099) | 473291 | 50.0000 | 51 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.716 | 4.716 | (1.099) | 328084 | 50.0000 | 43 |
| | 26 Hexachloroethane | 117 | 4.804 | 4.804 | (1.119) | 284438 | 50.0000 | 48 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.857 | 4.857 | (0.871) | 591468 | 50.0000 | 50 |
| | 27 Nitrobenzene | 77 | 4.875 | 4.875 | (0.874) | 757259 | 50.0000 | 46 |
| | 107 N,N-Dimethylaniline | 120 | 4.881 | 4.881 | (1.137) | 842006 | 50.0000 | 44 |
| | 28 Isophorone | 82 | 5.116 | 5.116 | (0.918) | 939424 | 50.0000 | 46 |
| | 5 2-Nitrophenol | 139 | 5.193 | 5.193 | (0.931) | 305118 | 50.0000 | 49 |
| | 6 2,4-Dimethylphenol | 122 | 5.245 | 5.245 | (0.941) | 445048 | 50.0000 | 47 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.334 | 5.334 | (0.957) | 581051 | 50.0000 | 47 |
| | 15 Benzoic Acid | 122 | 5.363 | 5.363 | (0.962) | 91488 | 50.0000 | 24(H) |
| | 7 2,4-Dichlorophenol | 162 | 5.440 | 5.440 | (0.976) | 402160 | 50.0000 | 48 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.522 | 5.522 | (0.990) | 507798 | 50.0000 | 48 |
| * | 80 Naphthalene-d8 | 136 | 5.575 | 5.575 | (1.000) | 1236944 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.598 | 5.598 | (1.004) | 1569970 | 50.0000 | 47 |
| | 32 4-Chloroaniline | 127 | 5.651 | 5.651 | (1.014) | 573751 | 50.0000 | 46 |
| | 33 Hexachlorobutadiene | 225 | 5.728 | 5.728 | (1.027) | 304323 | 50.0000 | 48 |
| | 111 Caprolactam | 113 | 6.028 | 6.028 | (1.081) | 90782 | 50.0000 | 37 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.157 | 6.157 | (1.104) | 397400 | 50.0000 | 47 |
| | 34 2-Methylnaphthalene | 142 | 6.292 | 6.292 | (1.129) | 922349 | 50.0000 | 46 |
| | 120 1-Methylnaphthalene | 142 | 6.392 | 6.392 | (1.147) | 911348 | 50.0000 | 46 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.457 | 6.457 | (0.881) | 308723 | 50.0000 | 56 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.504 | 6.504 | (1.167) | 616790 | 50.0000 | 47 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.581 | 6.581 | (0.898) | 258431 | 50.0000 | 50 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.622 | 6.622 | (0.904) | 254005 | 50.0000 | 49 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.663 | 6.663 | (0.909) | 994645 | 50.0000 | 52 |
| | 102 Diphenyl | 154 | 6.757 | 6.757 | (0.922) | 1044921 | 50.0000 | 48 |
| | 36 2-Chloronaphthalene | 162 | 6.775 | 6.775 | (0.925) | 823631 | 50.0000 | 48 |
| | 103 Diphenyl Ether | 170 | 6.863 | 6.863 | (0.937) | 567047 | 50.0000 | 48 |
| | 37 2-Nitroaniline | 65 | 6.881 | 6.881 | (0.939) | 215281 | 50.0000 | 40(H) |
| | 123 1,3-Dimethylnaphthalene | 156 | 6.992 | 6.992 | (0.954) | 677965 | 50.0000 | 49 |
| | 38 Dimethylphthalate | 163 | 7.069 | 7.069 | (0.965) | 755193 | 50.0000 | 44 |
| | 114 Coumarin | 146 | 7.087 | 7.087 | (0.967) | 234387 | 50.0000 | 44 |
| | 40 2,6-Dinitrotoluene | 165 | 7.122 | 7.122 | (0.972) | 174191 | 50.0000 | 46 |
| | 39 Acenaphthylene | 152 | 7.187 | 7.187 | (0.981) | 1206760 | 50.0000 | 46 |
| | 41 3-Nitroaniline | 138 | 7.287 | 7.287 | (0.994) | 173393 | 50.0000 | 45 |
| * | 82 Acenaphthene-d10 | 164 | 7.328 | 7.328 | (1.000) | 548294 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.363 | 7.363 | (1.005) | 685591 | 50.0000 | 45 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.351 | 7.351 | (1.003) | 719245 | 50.0000 | 51 |
| | 11 2,4-Dinitrophenol | 184 | 7.387 | 7.387 | (1.008) | 51382 | 50.0000 | 34 |
| | 12 4-Nitrophenol | 65 | 7.463 | 7.463 | (1.018) | 102670 | 50.0000 | 43 |
| | 44 2,4-Dinitrotoluene | 165 | 7.522 | 7.522 | (1.026) | 191782 | 50.0000 | 43 |
| | 43 Dibenzofuran | 168 | 7.528 | 7.528 | (1.027) | 980747 | 50.0000 | 45 |

Data File: /chem/BNAMS11.i/8270/09-21-09/23sep09.b/z4127.d
Report Date: 23-Sep-2009 12:13

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.763 | 7.763 | (1.059) | 691943 | 50.0000 | 44 |
| | 47 Fluorene | 166 | 7.869 | 7.869 | (1.074) | 725381 | 50.0000 | 44 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.869 | 7.869 | (1.074) | 359363 | 50.0000 | 45 |
| | 48 4-Nitroaniline | 138 | 7.892 | 7.892 | (1.077) | 145198 | 50.0000 | 44 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.922 | 7.922 | (0.902) | 74070 | 50.0000 | 44 |
| | 49 N-Nitrosodiphenylamine | 169 | 7.986 | 7.986 | (0.909) | 453464 | 50.0000 | 48 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.022 | 8.022 | (0.913) | 830244 | 50.0000 | 49 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.104 | 8.104 | (1.106) | 86944 | 50.0000 | 46 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.351 | 8.351 | (0.950) | 193704 | 50.0000 | 49 |
| | 51 Hexachlorobenzene | 284 | 8.416 | 8.416 | (0.958) | 183719 | 50.0000 | 48 |
| | 112 Atrazine | 200 | 8.516 | 8.516 | (0.969) | 137366 | 50.0000 | 49 |
| | 14 Pentachlorophenol | 266 | 8.610 | 8.610 | (0.980) | 81127 | 50.0000 | 49 |
| | 115 n-Octadecane | 57 | 8.692 | 8.692 | (0.989) | 456905 | 50.0000 | 51 |
| * | 83 Phenanthrene-d10 | 188 | 8.786 | 8.786 | (1.000) | 597816 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.816 | 8.816 | (1.003) | 812254 | 50.0000 | 47 |
| | 53 Anthracene | 178 | 8.863 | 8.863 | (1.009) | 826090 | 50.0000 | 47 |
| | 54 Carbazole | 167 | 9.022 | 9.022 | (1.027) | 635607 | 50.0000 | 48 |
| | 55 Di-n-butylphthalate | 149 | 9.369 | 9.369 | (1.066) | 825638 | 50.0000 | 47 |
| | 56 Fluoranthene | 202 | 9.980 | 9.980 | (1.136) | 642310 | 50.0000 | 48 |
| | 58 Benzidine | 184 | 10.116 | 10.116 | (1.151) | 24736 | 50.0000 | 12 |
| | 57 Pyrene | 202 | 10.204 | 10.204 | (0.884) | 613771 | 50.0000 | 48 |
| $ | 78 Terphenyl-d14 | 244 | 10.363 | 10.363 | (0.898) | 452910 | 50.0000 | 55 |
| | 59 Butylbenzylphthalate | 149 | 10.886 | 10.886 | (0.943) | 235976 | 50.0000 | 50 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 10.992 | 10.992 | (0.953) | 1012 | 0.50000 | 0.91 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.498 | 11.498 | (0.996) | 98605 | 50.0000 | 47 |
| | 61 Benzo(a)anthracene | 228 | 11.522 | 11.522 | (0.998) | 376362 | 50.0000 | 46 |
| * | 81 Chrysene-d12 | 240 | 11.539 | 11.539 | (1.000) | 285786 | 40.0000 | |
| | 62 Chrysene | 228 | 11.569 | 11.569 | (1.003) | 356856 | 50.0000 | 47 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.574 | 11.574 | (1.003) | 291572 | 50.0000 | 48 |
| | 64 Di-n-octylphthalate | 149 | 12.416 | 12.416 | (0.924) | 376692 | 50.0000 | 50 |
| | 65 Benzo(b)fluoranthene | 252 | 12.916 | 12.916 | (0.961) | 255970 | 50.0000 | 47 |
| | 66 Benzo(k)fluoranthene | 252 | 12.951 | 12.951 | (0.964) | 288229 | 50.0000 | 49 |
| | 67 Benzo(a)pyrene | 252 | 13.357 | 13.357 | (0.994) | 223701 | 50.0000 | 49 |
| * | 84 Perylene-d12 | 264 | 13.433 | 13.433 | (1.000) | 189075 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 14.927 | 14.927 | (1.111) | 200679 | 50.0000 | 48(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 14.962 | 14.962 | (1.114) | 209587 | 50.0000 | 51 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.333 | 15.333 | (1.141) | 216599 | 50.0000 | 51 |

QC Flag Legend

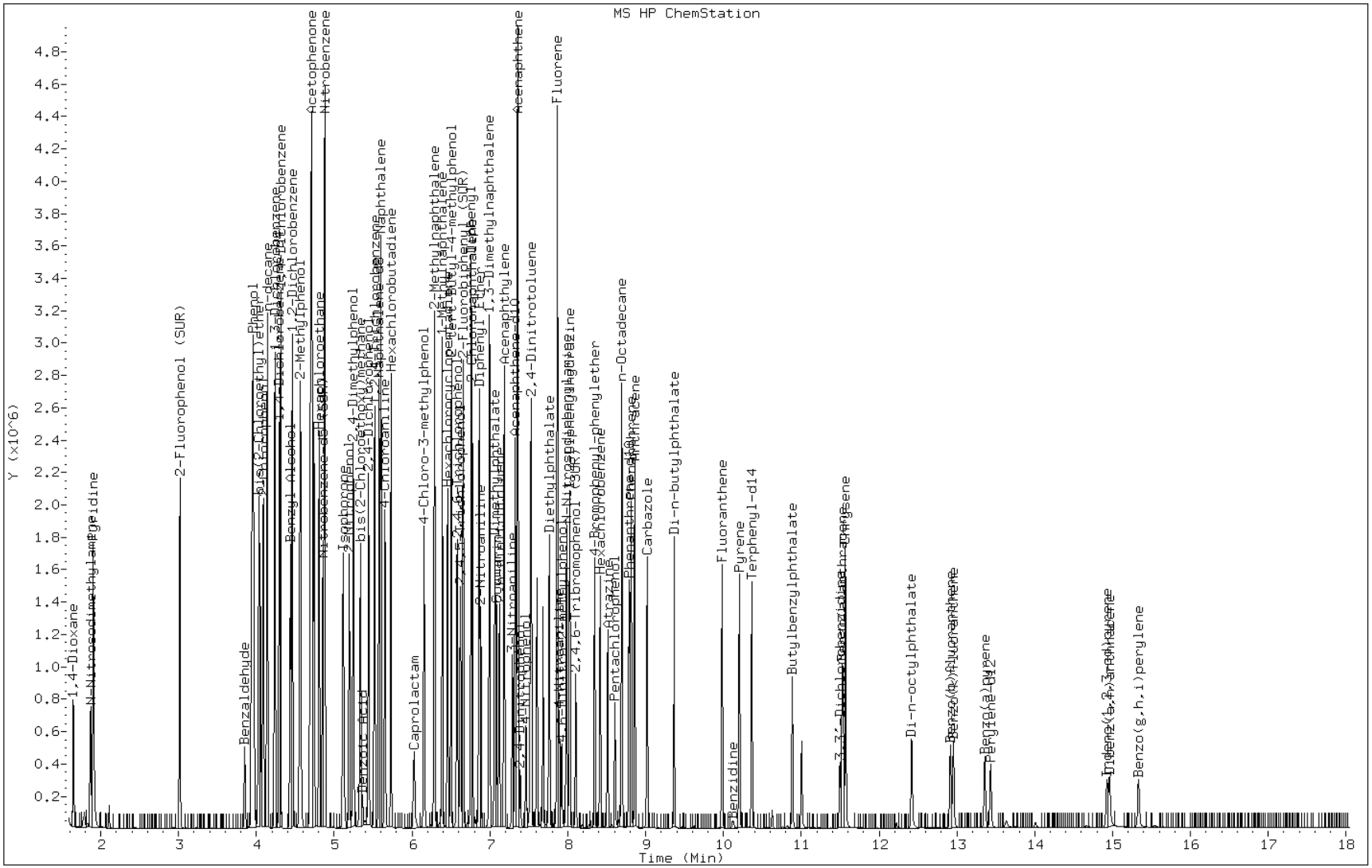
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4127.d

Date: 23-SEP-2009 11:36

Client ID: Instrument: BNAMS11.i

Sample Info: CCVIS-210292 Operator: BNAMS 4



# Manual Integration Report

Data File: z4127.d
Inj. Date and Time: 23-SEP-2009 11:36
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/23/2009

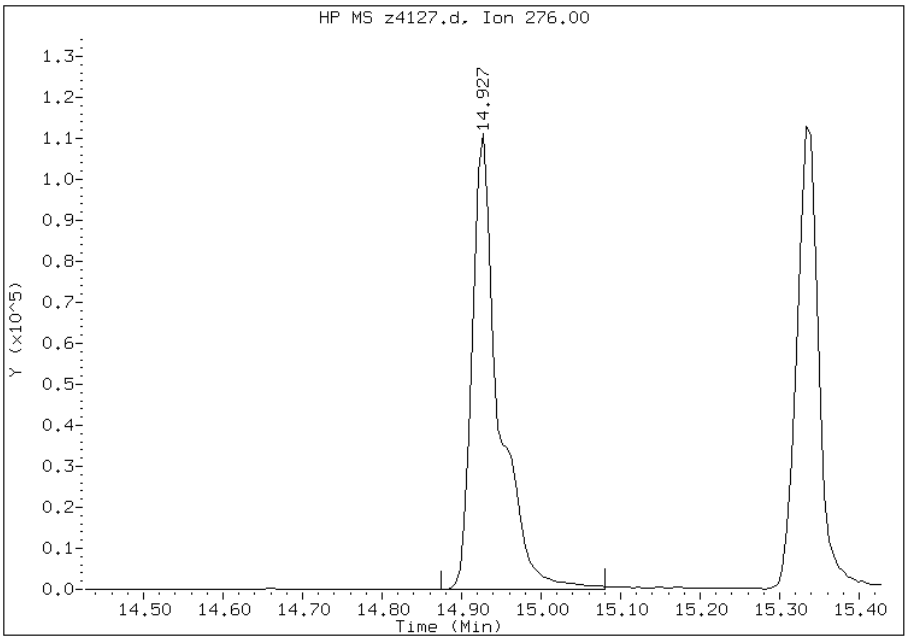
## Processing Integration Results

RT: 14.93

Response: 255741

Amount: 61

Conc: 61



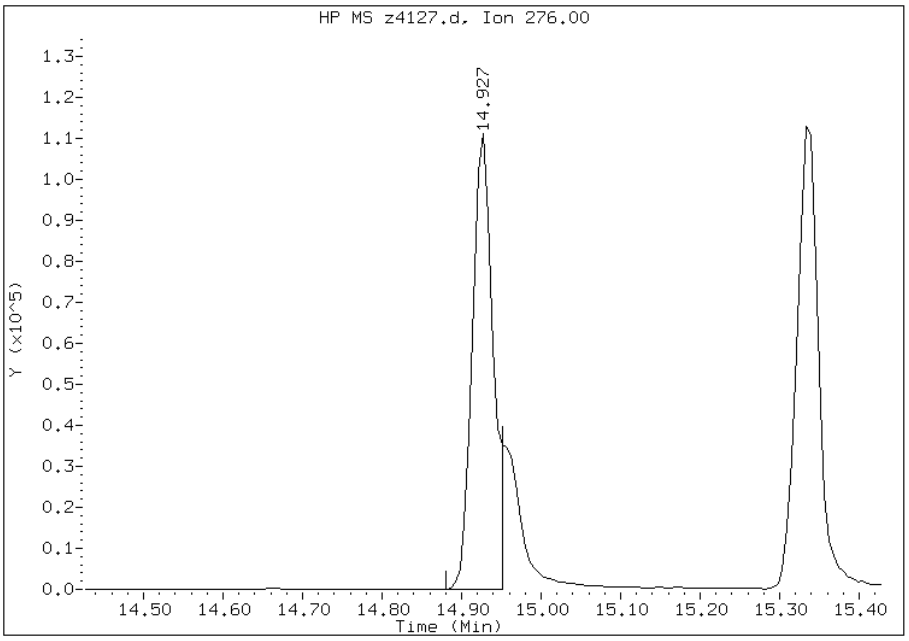

## Manual Integration Results

RT: 14.93

Response: 200679

Amount: 48

Conc: 48




Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-18193/2 Calibration Date: 09/25/2009 03:48

Instrument ID: BNAMS5 Calib Start Date: 09/24/2009 11:03

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/24/2009 13:07

Lab File ID: x2617.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | Ave | 0.6006 | 0.5372 | | 44700 | 50000 | -10.6 | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.8330 | 0.8367 | | 50200 | 50000 | 0.4 | 20.0 |
| Pyridine | Ave | 1.551 | 1.508 | | 48600 | 50000 | -2.8 | 20.0 |
| Benzaldehyde | Ave | 0.3958 | 0.3365 | | 42500 | 50000 | -15.0 | 20.0 |
| Aniline | Ave | 2.047 | 2.142 | | 52300 | 50000 | 4.6 | 20.0 |
| Phenol | Ave | 1.738 | 1.727 | | 49700 | 50000 | -0.6 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.394 | 1.484 | | 53200 | 50000 | 6.4 | 20.0 |
| 2-Chlorophenol | Ave | 1.301 | 1.335 | | 51300 | 50000 | 2.7 | 20.0 |
| n-Decane | Ave | 2.059 | 2.010 | | 48800 | 50000 | -2.4 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.656 | 1.656 | | 50000 | 50000 | 0.0 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.658 | 1.659 | | 50100 | 50000 | 0.1 | 20.0 |
| Benzyl alcohol | Ave | 0.7562 | 0.8158 | | 53900 | 50000 | 7.9 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.534 | 1.545 | | 50400 | 50000 | 0.7 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | Ave | 2.145 | 2.146 | | 50000 | 50000 | 0.0 | 20.0 |
| 2-Methylphenol | Ave | 1.104 | 1.085 | | 49100 | 50000 | -1.7 | 20.0 |
| Acetophenone | Ave | 1.673 | 1.745 | | 52200 | 50000 | 4.3 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.8694 | 0.8925 | 0.0500 | 51300 | 50000 | 2.7 | 20.0 |
| 3 & 4 Methylphenol | Ave | 1.186 | 1.176 | | 49500 | 50000 | -0.9 | 20.0 |
| 4-Methylphenol | Ave | 1.170 | 1.176 | | 50200 | 50000 | 0.4 | 20.0 |
| Hexachloroethane | Ave | 0.6327 | 0.6598 | | 52100 | 50000 | 4.3 | 20.0 |
| Nitrobenzene | Ave | 0.6180 | 0.6196 | | 50100 | 50000 | 0.3 | 20.0 |
| n,n'-Dimethylaniline | Ave | 2.032 | 2.042 | | 50200 | 50000 | 0.5 | 20.0 |
| Isophorone | Ave | 0.6706 | 0.6866 | | 51200 | 50000 | 2.4 | 20.0 |
| 2-Nitrophenol | Ave | 0.1768 | 0.1924 | | 54400 | 50000 | 8.8 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.2921 | 0.2829 | | 48400 | 50000 | -3.2 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.4018 | 0.4096 | | 51000 | 50000 | 1.9 | 20.0 |
| Benzoic acid | QuaF | 0.0488 | 0.0934 | | 70200 | 50000 | 40.4* | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.2626 | 0.2560 | | 48700 | 50000 | -2.5 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3242 | 0.3333 | | 51400 | 50000 | 2.8 | 20.0 |
| Naphthalene | Ave | 1.081 | 1.090 | | 50400 | 50000 | 0.8 | 20.0 |
| 4-Chloroaniline | Ave | 0.3535 | 0.3707 | | 52400 | 50000 | 4.9 | 20.0 |
| Hexachlorobutadiene | Ave | 0.1929 | 0.1931 | | 50100 | 50000 | 0.1 | 20.0 |
| Caprolactam | Ave | 0.0553 | 0.0575 | | 52000 | 50000 | 4.0 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.2478 | 0.2416 | | 48700 | 50000 | -2.5 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6078 | 0.6104 | | 50200 | 50000 | 0.4 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6056 | 0.6000 | | 49500 | 50000 | -0.9 | 20.0 |
| Hexachlorocyclopentadiene | QuaF | 0.3926 | 0.4239 | 0.0500 | 48800 | 50000 | -2.4 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.3848 | 0.3873 | | 50300 | 50000 | 0.7 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3564 | 0.3725 | | 52200 | 50000 | 4.5 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3592 | 0.3776 | | 52600 | 50000 | 5.1 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.581 | 1.624 | | 51400 | 50000 | 2.7 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-18193/2 Calibration Date: 09/25/2009 03:48

Instrument ID: BNAMS5 Calib Start Date: 09/24/2009 11:03

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/24/2009 13:07

Lab File ID: x2617.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloronaphthalene | Ave | 1.226 | 1.309 | | 53400 | 50000 | 6.8 | 20.0 |
| Phenyl ether | Ave | 0.8519 | 0.8577 | | 50300 | 50000 | 0.7 | 20.0 |
| 2-Nitroaniline | Ave | 0.4158 | 0.3499 | | 42100 | 50000 | -15.8 | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 0.9770 | 0.9901 | | 50700 | 50000 | 1.3 | 20.0 |
| Coumarin | Ave | 0.3347 | 0.3535 | | 52800 | 50000 | 5.6 | 20.0 |
| Dimethyl phthalate | Ave | 1.124 | 1.163 | | 51800 | 50000 | 3.5 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2446 | 0.2525 | | 51600 | 50000 | 3.2 | 20.0 |
| Acenaphthylene | Ave | 1.801 | 1.810 | | 50200 | 50000 | 0.5 | 20.0 |
| 3-Nitroaniline | Ave | 0.2386 | 0.2481 | | 52000 | 50000 | 4.0 | 20.0 |
| Acenaphthene | Ave | 1.035 | 1.075 | | 51900 | 50000 | 3.9 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.076 | 1.081 | | 50200 | 50000 | 0.5 | 20.0 |
| 2,4-Dinitrophenol | QuaF | 0.0718 | 0.0967 | 0.0500 | 61200 | 50000 | 22.4* | 20.0 |
| 4-Nitrophenol | Ave | 0.1601 | 0.1636 | 0.0500 | 51100 | 50000 | 2.2 | 20.0 |
| Dibenzofuran | Ave | 1.525 | 1.528 | | 50100 | 50000 | 0.2 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.2987 | 0.2996 | | 50100 | 50000 | 0.3 | 20.0 |
| Diethyl phthalate | Ave | 0.9939 | 1.000 | | 50300 | 50000 | 0.6 | 20.0 |
| Fluorene | Ave | 1.157 | 1.179 | | 51000 | 50000 | 1.9 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.5625 | 0.5574 | | 49500 | 50000 | -0.9 | 20.0 |
| 4-Nitroaniline | Ave | 0.1807 | 0.1811 | | 50100 | 50000 | 0.2 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1089 | 0.1182 | | 54200 | 50000 | 8.5 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6245 | 0.6175 | | 49400 | 50000 | -1.1 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 1.335 | 1.374 | | 51500 | 50000 | 2.9 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2341 | 0.2519 | | 53800 | 50000 | 7.6 | 20.0 |
| Hexachlorobenzene | Ave | 0.2369 | 0.2408 | | 50800 | 50000 | 1.6 | 20.0 |
| Atrazine | Ave | 0.2003 | 0.1933 | | 48300 | 50000 | -3.5 | 20.0 |
| Pentachlorophenol | Ave | 0.1195 | 0.1223 | | 51200 | 50000 | 2.4 | 20.0 |
| n-Octadecane | LinF | 0.8090 | 0.8174 | | 43500 | 50000 | -13.1 | 20.0 |
| Phenanthrene | Ave | 1.154 | 1.167 | | 50500 | 50000 | 1.1 | 20.0 |
| Anthracene | Ave | 1.142 | 1.149 | | 50300 | 50000 | 0.6 | 20.0 |
| Carbazole | Ave | 0.9230 | 0.9159 | | 49600 | 50000 | -0.8 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.145 | 1.191 | | 52000 | 50000 | 4.0 | 20.0 |
| Fluoranthene | Ave | 0.9456 | 0.9549 | | 50500 | 50000 | 1.0 | 20.0 |
| Benzidine | Ave | 0.0957 | 0.0570 | | 29800 | 50000 | -40.5* | 20.0 |
| Pyrene | Ave | 1.651 | 1.667 | | 50500 | 50000 | 1.0 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.6228 | 0.6476 | | 52000 | 50000 | 4.0 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.2200 | 0.2525 | | 574 | 500 | 14.8 | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.2882 | 0.2805 | | 48700 | 50000 | -2.7 | 20.0 |
| Benzo[a]anthracene | Ave | 1.093 | 1.105 | | 50600 | 50000 | 1.1 | 20.0 |
| Chrysene | Ave | 0.9957 | 1.042 | | 52300 | 50000 | 4.7 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.8266 | 0.8477 | | 51300 | 50000 | 2.6 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-18193/2  Calibration Date: 09/25/2009 03:48

Instrument ID: BNAMS5  Calib Start Date: 09/24/2009 11:03

GC Column: Rtx-5MS  ID: 0.25(mm)  Calib End Date: 09/24/2009 13:07

Lab File ID: x2617.d  Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | Ave | 1.617 | 1.760 | | 54400 | 50000 | 8.8 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.106 | 1.178 | | 53300 | 50000 | 6.5 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.246 | 1.320 | | 53000 | 50000 | 5.9 | 20.0 |
| Benzo[a]pyrene | LinF | 0.9286 | 1.051 | | 50600 | 50000 | 1.2 | 20.0 |
| Indeno[1,2,3-cd]pyrene | LinF | 0.7904 | 0.9060 | | 47400 | 50000 | -5.1 | 20.0 |
| Dibenz(a,h)anthracene | QuaF | 0.8150 | 0.9032 | | 49000 | 50000 | -1.9 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 0.8667 | 0.9338 | | 53900 | 50000 | 7.7 | 20.0 |
| 2-Fluorophenol | Ave | 1.228 | 1.364 | | 55500 | 50000 | 11.0 | 20.0 |
| Phenol-d5 | Ave | 1.546 | 1.583 | | 51200 | 50000 | 2.4 | 20.0 |
| Nitrobenzene-d5 | Ave | 0.4332 | 0.4352 | | 50200 | 50000 | 0.5 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.463 | 1.500 | | 51300 | 50000 | 2.6 | 20.0 |
| 2,4,6-Tribromophenol | Ave | 0.1178 | 0.1269 | | 53900 | 50000 | 7.7 | 20.0 |
| Terphenyl-d14 | Ave | 1.081 | 1.106 | | 51200 | 50000 | 2.4 | 20.0 |

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2617.d
Report Date: 25-Sep-2009 04:06

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2617.d
Lab Smp Id: ICIS-210292
Inj Date : 25-SEP-2009 03:48
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : ICIS-210292
Misc Info : 50 ppm bna4392
Comment :
Method : /chem/BNAMS5.i/8270/09-24-09/25sep09.b/8270C_08SP.m
Meth Date : 25-Sep-2009 04:06 asfawa Quant Type: ISTD
Cal Date : 25-SEP-2009 03:48 Cal File: x2617.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 106 | 1,4-Dioxane | 88 | 1.131 | 1.131 | (0.314) | 651464 | 50.0000 | 45 |
| 19 | N-Nitrosodimethylamine | 74 | 1.325 | 1.325 | (0.367) | 1014708 | 50.0000 | 50 |
| 71 | Pyridine | 79 | 1.343 | 1.343 | (0.372) | 1829215 | 50.0000 | 49 |
| $ 16 | 2-Fluorophenol (SUR) | 112 | 2.360 | 2.360 | (0.654) | 1653975 | 50.0000 | 56 |
| 110 | Benzaldehyde | 77 | 3.154 | 3.154 | (0.874) | 408141 | 50.0000 | 42 |
| $ 17 | Phenol-d5 (SUR) | 99 | 3.278 | 3.278 | (0.909) | 1919570 | 50.0000 | 51 |
| 1 | Phenol | 94 | 3.296 | 3.296 | (0.914) | 2094541 | 50.0000 | 50 |
| 73 | Aniline | 93 | 3.278 | 3.278 | (0.909) | 2597271 | 50.0000 | 52 |
| 20 | bis(2-Chloroethyl)ether | 93 | 3.354 | 3.354 | (0.930) | 1799242 | 50.0000 | 53 |
| 2 | 2-Chlorophenol | 128 | 3.401 | 3.401 | (0.943) | 1619596 | 50.0000 | 51 |
| 113 | n-decane | 43 | 3.478 | 3.478 | (0.964) | 2438110 | 50.0000 | 49 |
| 21 | 1,3-Dichlorobenzene | 146 | 3.548 | 3.548 | (0.984) | 2008341 | 50.0000 | 50 |
| * 79 | 1,4-Dichlorobenzene-d4 | 152 | 3.607 | 3.607 | (1.000) | 970221 | 40.0000 | |
| 22 | 1,4-Dichlorobenzene | 146 | 3.625 | 3.625 | (1.005) | 2012493 | 50.0000 | 50 |
| 74 | Benzyl Alcohol | 108 | 3.772 | 3.772 | (1.046) | 989350 | 50.0000 | 54 |

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2617.d
Report Date: 25-Sep-2009 04:06

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | ========== | ==== | == | ====== | ====== | ======== | ======= | ======= |
| | 23 1,2-Dichlorobenzene | 146 | 3.778 | 3.778 | (1.047) | 1873966 | 50.0000 | 50 |
| | 3 2-Methylphenol | 108 | 3.913 | 3.913 | (1.085) | 1316100 | 50.0000 | 49 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 3.907 | 3.907 | (1.083) | 2603038 | 50.0000 | 50 |
| | 4 4-Methylphenol | 108 | 4.072 | 4.072 | (1.129) | 1425668 | 50.0000 | 50 |
| | 124 3 & 4 Methylphenol | 108 | 4.072 | 4.072 | (1.129) | 1425668 | 50.0000 | 50(A) |
| | 104 Acetophenone | 105 | 4.043 | 4.043 | (1.121) | 2116283 | 50.0000 | 52 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.054 | 4.054 | (1.124) | 1082435 | 50.0000 | 51 |
| | 26 Hexachloroethane | 117 | 4.119 | 4.119 | (1.142) | 800187 | 50.0000 | 52 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.184 | 4.184 | (0.853) | 1739958 | 50.0000 | 50 |
| | 27 Nitrobenzene | 77 | 4.207 | 4.207 | (0.857) | 2477192 | 50.0000 | 50 |
| | 107 N,N-Dimethylaniline | 120 | 4.213 | 4.213 | (1.168) | 2476389 | 50.0000 | 50 |
| | 28 Isophorone | 82 | 4.454 | 4.454 | (0.908) | 2745306 | 50.0000 | 51 |
| | 5 2-Nitrophenol | 139 | 4.525 | 4.525 | (0.922) | 769414 | 50.0000 | 54 |
| | 6 2,4-Dimethylphenol | 122 | 4.607 | 4.607 | (0.939) | 1130888 | 50.0000 | 48 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 4.695 | 4.695 | (0.957) | 1637532 | 50.0000 | 51 |
| | 15 Benzoic Acid | 122 | 4.778 | 4.778 | (0.974) | 373571 | 50.0000 | 70 |
| | 7 2,4-Dichlorophenol | 162 | 4.784 | 4.784 | (0.975) | 1023601 | 50.0000 | 49 |
| | 30 1,2,4-Trichlorobenzene | 180 | 4.854 | 4.854 | (0.989) | 1332631 | 50.0000 | 51 |
| * | 80 Naphthalene-d8 | 136 | 4.907 | 4.907 | (1.000) | 3198528 | 40.0000 | |
| | 31 Naphthalene | 128 | 4.925 | 4.925 | (1.004) | 4355983 | 50.0000 | 50 |
| | 32 4-Chloroaniline | 127 | 5.001 | 5.001 | (1.019) | 1482192 | 50.0000 | 52 |
| | 33 Hexachlorobutadiene | 225 | 5.072 | 5.072 | (1.034) | 772021 | 50.0000 | 50 |
| | 111 Caprolactam | 113 | 5.384 | 5.384 | (1.097) | 230063 | 50.0000 | 52(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 5.525 | 5.525 | (1.126) | 965805 | 50.0000 | 49 |
| | 34 2-Methylnaphthalene | 142 | 5.625 | 5.625 | (1.146) | 2440339 | 50.0000 | 50 |
| | 120 1-Methylnaphthalene | 142 | 5.725 | 5.725 | (1.167) | 2398943 | 50.0000 | 50 |
| | 35 Hexachlorocyclopentadiene | 237 | 5.795 | 5.795 | (0.871) | 724062 | 50.0000 | 49 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 5.872 | 5.872 | (1.197) | 1548650 | 50.0000 | 50 |
| | 9 2,4,6-Trichlorophenol | 196 | 5.925 | 5.925 | (0.890) | 636234 | 50.0000 | 52 |
| | 10 2,4,5-Trichlorophenol | 196 | 5.966 | 5.966 | (0.897) | 645014 | 50.0000 | 52 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.007 | 6.007 | (0.903) | 2562862 | 50.0000 | 51 |
| | 102 Diphenyl | 154 | 6.101 | 6.101 | (0.917) | 2774467 | 50.0000 | 51 |
| | 36 2-Chloronaphthalene | 162 | 6.107 | 6.107 | (0.918) | 2236629 | 50.0000 | 53 |
| | 103 Diphenyl Ether | 170 | 6.207 | 6.207 | (0.933) | 1465094 | 50.0000 | 50 |
| | 37 2-Nitroaniline | 65 | 6.225 | 6.225 | (0.935) | 597701 | 50.0000 | 42 |
| | 123 1,3-Dimethylnaphthalene | 156 | 6.331 | 6.331 | (0.951) | 1691202 | 50.0000 | 51 |
| | 38 Dimethylphthalate | 163 | 6.425 | 6.425 | (0.966) | 1986941 | 50.0000 | 52 |
| | 114 Coumarin | 146 | 6.419 | 6.419 | (0.965) | 603838 | 50.0000 | 53 |
| | 40 2,6-Dinitrotoluene | 165 | 6.472 | 6.472 | (0.973) | 431211 | 50.0000 | 52 |
| | 39 Acenaphthylene | 152 | 6.513 | 6.513 | (0.979) | 3092055 | 50.0000 | 50 |
| | 41 3-Nitroaniline | 138 | 6.636 | 6.636 | (0.997) | 423808 | 50.0000 | 52 |
| * | 82 Acenaphthene-d10 | 164 | 6.654 | 6.654 | (1.000) | 1366503 | 40.0000 | |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 6.713 | 6.713 | (1.009) | 1845640 | 50.0000 | 50 |
| | 42 Acenaphthene | 154 | 6.684 | 6.684 | (1.004) | 1836734 | 50.0000 | 52 |
| | 11 2,4-Dinitrophenol | 184 | 6.736 | 6.736 | (1.012) | 165117 | 50.0000 | 61 |
| | 12 4-Nitrophenol | 65 | 6.836 | 6.836 | (1.027) | 279384 | 50.0000 | 51 |
| | 44 2,4-Dinitrotoluene | 165 | 6.866 | 6.866 | (1.032) | 511668 | 50.0000 | 50 |

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2617.d
Report Date: 25-Sep-2009 04:06

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 43 Dibenzofuran | 168 | 6.860 | 6.860 | (1.031) | 2609874 | 50.0000 | 50 |
| | 45 Diethylphthalate | 149 | 7.119 | 7.119 | (1.070) | 1708468 | 50.0000 | 50 |
| | 47 Fluorene | 166 | 7.189 | 7.189 | (1.080) | 2014358 | 50.0000 | 51 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.207 | 7.207 | (1.083) | 952099 | 50.0000 | 50 |
| | 48 4-Nitroaniline | 138 | 7.231 | 7.231 | (1.087) | 309377 | 50.0000 | 50 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.260 | 7.260 | (0.896) | 215275 | 50.0000 | 54 |
| | 49 N-Nitrosodiphenylamine | 169 | 7.325 | 7.325 | (0.904) | 1124789 | 50.0000 | 49 |
| | 75 1,2-Diphenylhydrazine | 77 | 7.360 | 7.360 | (0.908) | 2502573 | 50.0000 | 51 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.431 | 7.431 | (1.117) | 216787 | 50.0000 | 54 |
| | 50 4-Bromophenyl-phenylether | 248 | 7.678 | 7.678 | (0.948) | 458850 | 50.0000 | 54 |
| | 51 Hexachlorobenzene | 284 | 7.736 | 7.736 | (0.955) | 438634 | 50.0000 | 51 |
| | 112 Atrazine | 200 | 7.872 | 7.872 | (0.972) | 352193 | 50.0000 | 48 |
| | 14 Pentachlorophenol | 266 | 7.931 | 7.931 | (0.979) | 222837 | 50.0000 | 51 |
| | 115 n-Octadecane | 57 | 8.060 | 8.060 | (0.995) | 1489043 | 50.0000 | 43 |
| * | 83 Phenanthrene-d10 | 188 | 8.101 | 8.101 | (1.000) | 1457321 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.125 | 8.125 | (1.003) | 2125144 | 50.0000 | 50 |
| | 53 Anthracene | 178 | 8.172 | 8.172 | (1.009) | 2093780 | 50.0000 | 50 |
| | 54 Carbazole | 167 | 8.342 | 8.342 | (1.030) | 1668447 | 50.0000 | 50 |
| | 55 Di-n-butylphthalate | 149 | 8.719 | 8.719 | (1.076) | 2169383 | 50.0000 | 52 |
| | 56 Fluoranthene | 202 | 9.277 | 9.277 | (1.145) | 1739471 | 50.0000 | 50 |
| | 58 Benzidine | 184 | 9.430 | 9.430 | (1.164) | 103773 | 50.0000 | 30 |
| | 57 Pyrene | 202 | 9.495 | 9.495 | (0.886) | 1714158 | 50.0000 | 50 |
| $ | 78 Terphenyl-d14 | 244 | 9.672 | 9.672 | (0.903) | 1137326 | 50.0000 | 51 |
| | 59 Butylbenzylphthalate | 149 | 10.172 | 10.172 | (0.949) | 665713 | 50.0000 | 52 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 10.242 | 10.242 | (0.956) | 2596 | 0.50000 | 0.57 |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.695 | 10.695 | (0.998) | 288341 | 50.0000 | 49 |
| | 61 Benzo(a)anthracene | 228 | 10.701 | 10.701 | (0.999) | 1135942 | 50.0000 | 50 |
| * | 81 Chrysene-d12 | 240 | 10.713 | 10.713 | (1.000) | 822389 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.801 | 10.801 | (1.008) | 871460 | 50.0000 | 51 |
| | 62 Chrysene | 228 | 10.742 | 10.742 | (1.003) | 1071194 | 50.0000 | 52 |
| | 64 Di-n-octylphthalate | 149 | 11.566 | 11.566 | (0.931) | 1265631 | 50.0000 | 54 |
| | 65 Benzo(b)fluoranthene | 252 | 11.954 | 11.954 | (0.963) | 846883 | 50.0000 | 53 |
| | 66 Benzo(k)fluoranthene | 252 | 11.983 | 11.983 | (0.965) | 949423 | 50.0000 | 53 |
| | 67 Benzo(a)pyrene | 252 | 12.348 | 12.348 | (0.994) | 755801 | 50.0000 | 51 |
| * | 84 Perylene-d12 | 264 | 12.418 | 12.418 | (1.000) | 575276 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.760 | 13.760 | (1.108) | 651521 | 50.0000 | 47 |
| | 69 Dibenz(a,h)anthracene | 278 | 13.795 | 13.795 | (1.111) | 649467 | 50.0000 | 49 |
| | 70 Benzo(g,h,i)perylene | 276 | 14.083 | 14.083 | (1.134) | 671518 | 50.0000 | 54 |

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: x2617.d

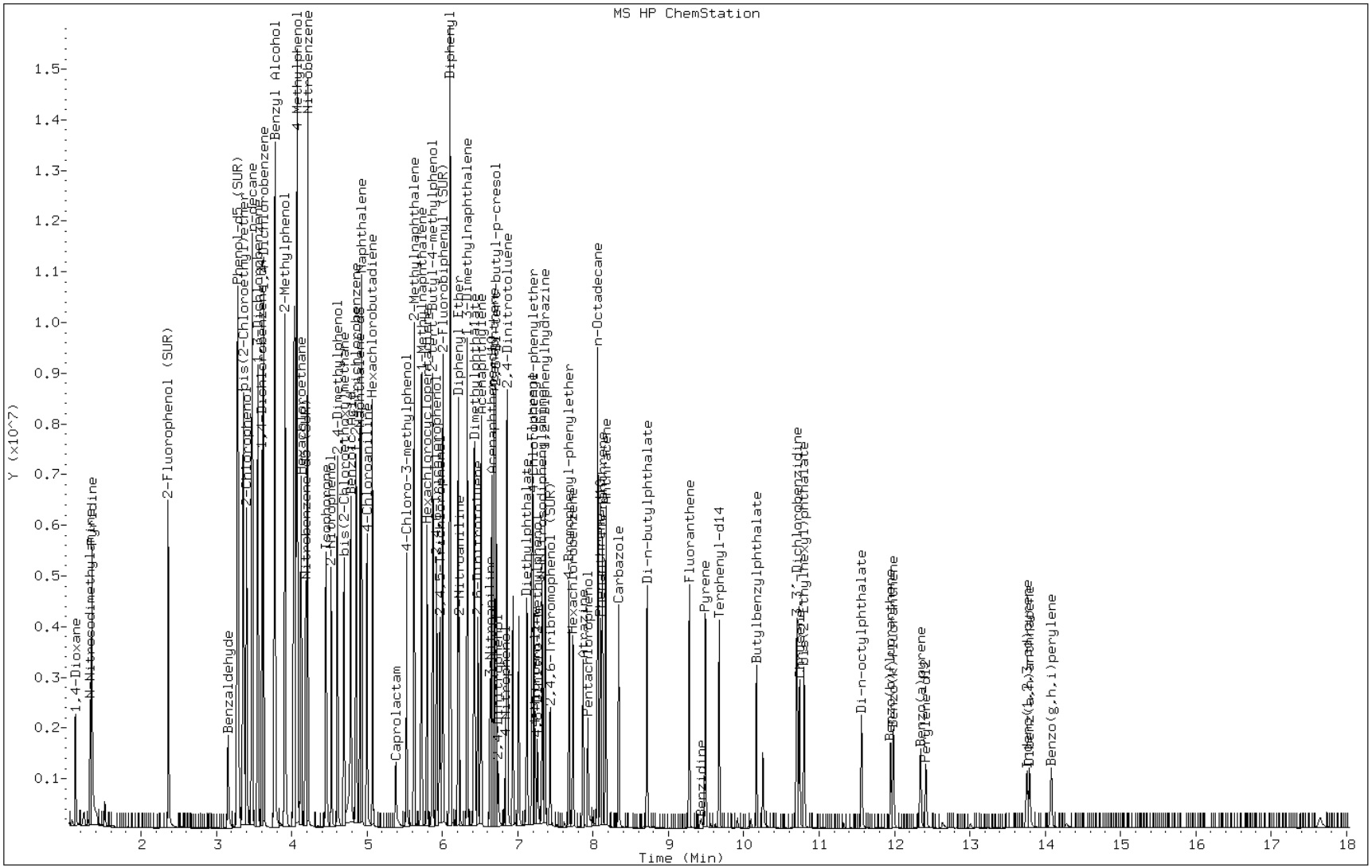
Date: 25-SEP-2009 03:48

Client ID:

Instrument: BNAMS5.i

Sample Info: ICIS-210292

Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-18382/2 Calibration Date: 09/29/2009 19:22

Instrument ID: BNAMS5 Calib Start Date: 09/28/2009 12:10

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/28/2009 13:02

Lab File ID: x2717.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | Ave | 0.6357 | 0.6539 | | 51400 | 50000 | 2.9 | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.8683 | 0.9630 | | 55500 | 50000 | 10.9 | 20.0 |
| Pyridine | Ave | 1.540 | 1.660 | | 53900 | 50000 | 7.8 | 20.0 |
| Benzaldehyde | Ave | 0.4015 | 0.5554 | | 69200 | 50000 | 38.3* | 20.0 |
| Aniline | Ave | 2.033 | 2.203 | | 54200 | 50000 | 8.4 | 20.0 |
| Phenol | Ave | 1.825 | 1.820 | | 49900 | 50000 | -0.3 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.455 | 1.540 | | 52900 | 50000 | 5.9 | 20.0 |
| 2-Chlorophenol | Ave | 1.349 | 1.387 | | 51400 | 50000 | 2.9 | 20.0 |
| n-Decane | Ave | 1.867 | 1.786 | | 47800 | 50000 | -4.3 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.613 | 1.646 | | 51000 | 50000 | 2.0 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.624 | 1.654 | | 50900 | 50000 | 1.9 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.496 | 1.564 | | 52300 | 50000 | 4.6 | 20.0 |
| Benzyl alcohol | Ave | 0.7737 | 0.7705 | | 49800 | 50000 | -0.4 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | Ave | 2.069 | 2.035 | | 49200 | 50000 | -1.6 | 20.0 |
| 2-Methylphenol | Ave | 1.154 | 1.148 | | 49800 | 50000 | -0.5 | 20.0 |
| Acetophenone | Ave | 1.772 | 1.859 | | 52500 | 50000 | 4.9 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.8773 | 0.8999 | 0.0500 | 51300 | 50000 | 2.6 | 20.0 |
| 3 & 4 Methylphenol | Ave | 1.255 | 1.214 | | 48300 | 50000 | -3.3 | 20.0 |
| 4-Methylphenol | Ave | 1.249 | 1.214 | | 48600 | 50000 | -2.9 | 20.0 |
| Hexachloroethane | Ave | 0.6344 | 0.6443 | | 50800 | 50000 | 1.6 | 20.0 |
| Nitrobenzene | Ave | 0.6079 | 0.6019 | | 49500 | 50000 | -1.0 | 20.0 |
| n,n'-Dimethylaniline | Ave | 2.018 | 2.104 | | 52100 | 50000 | 4.2 | 20.0 |
| Isophorone | Ave | 0.6689 | 0.6853 | | 51200 | 50000 | 2.5 | 20.0 |
| 2-Nitrophenol | Ave | 0.1849 | 0.1864 | | 50400 | 50000 | 0.8 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.2874 | 0.2759 | | 48000 | 50000 | -4.0 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.4029 | 0.3994 | | 49600 | 50000 | -0.9 | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.2671 | 0.2649 | | 49600 | 50000 | -0.8 | 20.0 |
| Benzoic acid | QuaF | 0.0843 | 0.1012 | | 48000 | 50000 | -4.0 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3248 | 0.3277 | | 50400 | 50000 | 0.9 | 20.0 |
| Naphthalene | Ave | 1.029 | 1.079 | | 52400 | 50000 | 4.9 | 20.0 |
| 4-Chloroaniline | Ave | 0.3622 | 0.3713 | | 51300 | 50000 | 2.5 | 20.0 |
| Hexachlorobutadiene | Ave | 0.1865 | 0.1878 | | 50400 | 50000 | 0.7 | 20.0 |
| Caprolactam | LinF | 0.0612 | 0.0664 | | 49400 | 50000 | -1.1 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.2529 | 0.2610 | | 51600 | 50000 | 3.2 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6026 | 0.6244 | | 51800 | 50000 | 3.6 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6020 | 0.6120 | | 50800 | 50000 | 1.7 | 20.0 |
| Hexachlorocyclopentadiene | LinF | 0.3773 | 0.3648 | 0.0500 | 40100 | 50000 | -19.8 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.3883 | 0.3932 | | 50600 | 50000 | 1.3 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3686 | 0.3961 | | 53700 | 50000 | 7.5 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3712 | 0.3754 | | 50600 | 50000 | 1.1 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.519 | 1.575 | | 51800 | 50000 | 3.6 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-18382/2 Calibration Date: 09/29/2009 19:22

Instrument ID: BNAMS5 Calib Start Date: 09/28/2009 12:10

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/28/2009 13:02

Lab File ID: x2717.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloronaphthalene | Ave | 1.210 | 1.254 | | 51800 | 50000 | 3.6 | 20.0 |
| Phenyl ether | Ave | 0.8146 | 0.8476 | | 52000 | 50000 | 4.1 | 20.0 |
| 2-Nitroaniline | Ave | 0.4053 | 0.3746 | | 46200 | 50000 | -7.6 | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 0.9612 | 0.9489 | | 49400 | 50000 | -1.3 | 20.0 |
| Coumarin | Ave | 0.3478 | 0.3816 | | 54900 | 50000 | 9.7 | 20.0 |
| Dimethyl phthalate | Ave | 1.137 | 1.182 | | 51900 | 50000 | 3.9 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2460 | 0.2663 | | 54100 | 50000 | 8.3 | 20.0 |
| Acenaphthylene | Ave | 1.761 | 1.803 | | 51200 | 50000 | 2.3 | 20.0 |
| 3-Nitroaniline | Ave | 0.2527 | 0.2682 | | 53100 | 50000 | 6.1 | 20.0 |
| Acenaphthene | Ave | 1.019 | 1.066 | | 52300 | 50000 | 4.6 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.016 | 1.049 | | 51600 | 50000 | 3.3 | 20.0 |
| 2,4-Dinitrophenol | QuaF | 0.1067 | 0.1124 | 0.0500 | 48600 | 50000 | -2.7 | 20.0 |
| 4-Nitrophenol | Ave | 0.1984 | 0.2150 | 0.0500 | 54200 | 50000 | 8.4 | 20.0 |
| Dibenzofuran | Ave | 1.484 | 1.534 | | 51700 | 50000 | 3.4 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3070 | 0.3155 | | 51400 | 50000 | 2.8 | 20.0 |
| Diethyl phthalate | Ave | 1.021 | 1.065 | | 52200 | 50000 | 4.4 | 20.0 |
| Fluorene | Ave | 1.146 | 1.195 | | 52200 | 50000 | 4.3 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.5510 | 0.5659 | | 51400 | 50000 | 2.7 | 20.0 |
| 4-Nitroaniline | Ave | 0.1942 | 0.2042 | | 52600 | 50000 | 5.2 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1267 | 0.1368 | | 54000 | 50000 | 8.0 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6101 | 0.6537 | | 53600 | 50000 | 7.1 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 1.259 | 1.318 | | 52400 | 50000 | 4.7 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2403 | 0.2563 | | 53300 | 50000 | 6.6 | 20.0 |
| Hexachlorobenzene | Ave | 0.2442 | 0.2571 | | 52600 | 50000 | 5.3 | 20.0 |
| Atrazine | Ave | 0.1958 | 0.1951 | | 49800 | 50000 | -0.4 | 20.0 |
| Pentachlorophenol | Ave | 0.1279 | 0.1328 | | 51900 | 50000 | 3.8 | 20.0 |
| n-Octadecane | Ave | 0.7176 | 0.7768 | | 54100 | 50000 | 8.2 | 20.0 |
| Phenanthrene | Ave | 1.137 | 1.205 | | 53000 | 50000 | 6.0 | 20.0 |
| Anthracene | Ave | 1.136 | 1.181 | | 51900 | 50000 | 3.9 | 20.0 |
| Carbazole | Ave | 0.9155 | 0.9362 | | 51100 | 50000 | 2.3 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.187 | 1.255 | | 52900 | 50000 | 5.7 | 20.0 |
| Fluoranthene | Ave | 0.9600 | 0.9664 | | 50300 | 50000 | 0.7 | 20.0 |
| Benzidine | Ave | 0.0951 | 0.0366 | | 19200 | 50000 | -61.5* | 20.0 |
| Pyrene | Ave | 1.659 | 1.774 | | 53500 | 50000 | 6.9 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.6303 | 0.6659 | | 52800 | 50000 | 5.6 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.2171 | 0.2282 | | 526 | 500 | 5.1 | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.2779 | 0.2800 | | 50400 | 50000 | 0.8 | 20.0 |
| Benzo[a]anthracene | Ave | 1.137 | 1.115 | | 49000 | 50000 | -2.0 | 20.0 |
| Chrysene | Ave | 1.021 | 1.026 | | 50300 | 50000 | 0.5 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.8232 | 0.8853 | | 53800 | 50000 | 7.5 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVIS 460-18382/2  Calibration Date: 09/29/2009 19:22

Instrument ID: BNAMS5  Calib Start Date: 09/28/2009 12:10

GC Column: Rtx-5MS  ID: 0.25(mm)  Calib End Date: 09/28/2009 13:02

Lab File ID: x2717.d  Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | LinF | 1.656 | 2.040 | | 51600 | 50000 | 3.3 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.151 | 1.277 | | 55500 | 50000 | 10.9 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.275 | 1.370 | | 53700 | 50000 | 7.4 | 20.0 |
| Benzo[a]pyrene | Ave | 0.9742 | 1.089 | | 55900 | 50000 | 11.8 | 20.0 |
| Indeno[1,2,3-cd]pyrene | LinF | 0.7270 | 0.8394 | | 48500 | 50000 | -3.0 | 20.0 |
| Dibenz(a,h)anthracene | LinF | 0.7553 | 0.8720 | | 48400 | 50000 | -3.2 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 0.8175 | 0.8421 | | 51500 | 50000 | 3.0 | 20.0 |
| 2-Fluorophenol | Ave | 1.288 | 1.453 | | 56400 | 50000 | 12.8 | 20.0 |
| Phenol-d5 | Ave | 1.582 | 1.657 | | 52400 | 50000 | 4.7 | 20.0 |
| Nitrobenzene-d5 | Ave | 0.4180 | 0.4259 | | 50900 | 50000 | 1.9 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.400 | 1.452 | | 51800 | 50000 | 3.7 | 20.0 |
| 2,4,6-Tribromophenol | Ave | 0.1239 | 0.1369 | | 55200 | 50000 | 10.5 | 20.0 |
| Terphenyl-d14 | Ave | 1.118 | 1.200 | | 53700 | 50000 | 7.4 | 20.0 |

Data File: /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2717.D
Report Date: 29-Sep-2009 21:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2717.D
Lab Smp Id: CCVIS-210292
Inj Date : 29-SEP-2009 19:22
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : CCVIS-210292
Misc Info : 50 ppm bna4392
Comment :
Method : /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/8270C_08SP.m
Meth Date : 29-Sep-2009 21:35 wahied Quant Type: ISTD
Cal Date : 29-SEP-2009 19:22 Cal File: x2717.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.051 | 1.051 | (0.302) | 991666 | 50.0000 | 51 |
| | 19 N-Nitrosodimethylamine | 74 | 1.251 | 1.251 | (0.359) | 1460451 | 50.0000 | 55 |
| | 71 Pyridine | 79 | 1.263 | 1.263 | (0.362) | 2517976 | 50.0000 | 54 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.251 | 2.251 | (0.646) | 2202823 | 50.0000 | 56 |
| | 110 Benzaldehyde | 77 | 3.034 | 3.034 | (0.870) | 842284 | 50.0000 | 69 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.169 | 3.169 | (0.909) | 2512278 | 50.0000 | 52 |
| | 1 Phenol | 94 | 3.181 | 3.181 | (0.912) | 2760203 | 50.0000 | 50 |
| | 73 Aniline | 93 | 3.157 | 3.157 | (0.906) | 3340302 | 50.0000 | 54 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.240 | 3.240 | (0.929) | 2336133 | 50.0000 | 53 |
| | 2 2-Chlorophenol | 128 | 3.281 | 3.281 | (0.941) | 2104229 | 50.0000 | 51 |
| | 113 n-decane | 43 | 3.357 | 3.357 | (0.963) | 2708132 | 50.0000 | 48 |
| | 21 1,3-Dichlorobenzene | 146 | 3.428 | 3.428 | (0.983) | 2495963 | 50.0000 | 51 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.487 | 3.487 | (1.000) | 1213260 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.504 | 3.504 | (1.005) | 2508633 | 50.0000 | 51 |
| | 74 Benzyl Alcohol | 108 | 3.663 | 3.663 | (1.051) | 1168563 | 50.0000 | 50 |

Data File: /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2717.D
Report Date: 29-Sep-2009 21:35

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| 23 | 1,2-Dichlorobenzene | 146 | 3.657 | 3.657 | (1.049) | 2372114 | 50.0000 | 52 |
| 3 | 2-Methylphenol | 108 | 3.804 | 3.804 | (1.091) | 1741096 | 50.0000 | 50 |
| 24 | bis (2-chloroisopropyl) ether | 45 | 3.798 | 3.798 | (1.089) | 3086495 | 50.0000 | 49 |
| 4 | 4-Methylphenol | 108 | 3.969 | 3.969 | (1.138) | 1840626 | 50.0000 | 48 |
| 124 | 3 & 4 Methylphenol | 108 | 3.969 | 3.969 | (1.138) | 1840626 | 50.0000 | 48(A) |
| 104 | Acetophenone | 105 | 3.934 | 3.934 | (1.128) | 2819258 | 50.0000 | 52 |
| 25 | N-Nitroso-di-n-propylamine | 70 | 3.951 | 3.951 | (1.133) | 1364833 | 50.0000 | 51 |
| 26 | Hexachloroethane | 117 | 4.004 | 4.004 | (1.148) | 977067 | 50.0000 | 51 |
| $ 76 | Nitrobenzene-d5 (SUR) | 82 | 4.075 | 4.075 | (0.850) | 2285912 | 50.0000 | 51(H) |
| 27 | Nitrobenzene | 77 | 4.098 | 4.098 | (0.855) | 3230736 | 50.0000 | 50 |
| 107 | N,N-Dimethylaniline | 120 | 4.104 | 4.104 | (1.177) | 3190413 | 50.0000 | 52 |
| 28 | Isophorone | 82 | 4.351 | 4.351 | (0.908) | 3678488 | 50.0000 | 51 |
| 5 | 2-Nitrophenol | 139 | 4.416 | 4.416 | (0.921) | 1000296 | 50.0000 | 50 |
| 6 | 2,4-Dimethylphenol | 122 | 4.504 | 4.504 | (0.940) | 1480873 | 50.0000 | 48 |
| 29 | bis(2-Chloroethoxy)methane | 93 | 4.592 | 4.592 | (0.958) | 2143886 | 50.0000 | 50 |
| 15 | Benzoic Acid | 122 | 4.692 | 4.692 | (0.979) | 543079 | 50.0000 | 48 |
| 7 | 2,4-Dichlorophenol | 162 | 4.675 | 4.675 | (0.975) | 1421586 | 50.0000 | 50 |
| 30 | 1,2,4-Trichlorobenzene | 180 | 4.745 | 4.745 | (0.990) | 1758680 | 50.0000 | 50 |
| * 80 | Naphthalene-d8 | 136 | 4.792 | 4.792 | (1.000) | 4294068 | 40.0000 | |
| 31 | Naphthalene | 128 | 4.816 | 4.816 | (1.005) | 5791490 | 50.0000 | 52 |
| 32 | 4-Chloroaniline | 127 | 4.892 | 4.892 | (1.021) | 1993218 | 50.0000 | 51 |
| 33 | Hexachlorobutadiene | 225 | 4.963 | 4.963 | (1.036) | 1007994 | 50.0000 | 50 |
| 111 | Caprolactam | 113 | 5.292 | 5.292 | (1.104) | 356324 | 50.0000 | 49 |
| 8 | 4-Chloro-3-methylphenol | 107 | 5.428 | 5.428 | (1.133) | 1401038 | 50.0000 | 52 |
| 34 | 2-Methylnaphthalene | 142 | 5.516 | 5.516 | (1.151) | 3351348 | 50.0000 | 52 |
| 120 | 1-Methylnaphthalene | 142 | 5.610 | 5.610 | (1.171) | 3285103 | 50.0000 | 51 |
| 35 | Hexachlorocyclopentadiene | 237 | 5.686 | 5.686 | (0.869) | 874886 | 50.0000 | 40 |
| 121 | 2-tert-Butyl-4-methylphenol | 149 | 5.769 | 5.769 | (1.204) | 2110401 | 50.0000 | 51 |
| 9 | 2,4,6-Trichlorophenol | 196 | 5.822 | 5.822 | (0.889) | 949783 | 50.0000 | 54 |
| 10 | 2,4,5-Trichlorophenol | 196 | 5.857 | 5.857 | (0.895) | 900141 | 50.0000 | 50 |
| $ 77 | 2-Fluorobiphenyl (SUR) | 172 | 5.898 | 5.898 | (0.901) | 3481406 | 50.0000 | 52 |
| 102 | Diphenyl | 154 | 5.992 | 5.992 | (0.916) | 3776196 | 50.0000 | 52 |
| 36 | 2-Chloronaphthalene | 162 | 5.998 | 5.998 | (0.916) | 3006874 | 50.0000 | 52 |
| 103 | Diphenyl Ether | 170 | 6.098 | 6.098 | (0.932) | 2032643 | 50.0000 | 52 |
| 37 | 2-Nitroaniline | 65 | 6.122 | 6.122 | (0.935) | 898216 | 50.0000 | 46 |
| 123 | 1,3-Dimethylnaphthalene | 156 | 6.222 | 6.222 | (0.951) | 2275551 | 50.0000 | 49 |
| 38 | Dimethylphthalate | 163 | 6.322 | 6.322 | (0.966) | 2833529 | 50.0000 | 52 |
| 114 | Coumarin | 146 | 6.316 | 6.316 | (0.965) | 915167 | 50.0000 | 55 |
| 40 | 2,6-Dinitrotoluene | 165 | 6.375 | 6.375 | (0.974) | 638551 | 50.0000 | 54 |
| 39 | Acenaphthylene | 152 | 6.404 | 6.404 | (0.978) | 4322831 | 50.0000 | 51 |
| 41 | 3-Nitroaniline | 138 | 6.533 | 6.533 | (0.998) | 643087 | 50.0000 | 53 |
| * 82 | Acenaphthene-d10 | 164 | 6.545 | 6.545 | (1.000) | 1918513 | 40.0000 | |
| 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 6.610 | 6.610 | (1.010) | 2515809 | 50.0000 | 52 |
| 42 | Acenaphthene | 154 | 6.581 | 6.581 | (1.005) | 2555538 | 50.0000 | 52 |
| 11 | 2,4-Dinitrophenol | 184 | 6.633 | 6.633 | (1.013) | 269517 | 50.0000 | 49 |
| 12 | 4-Nitrophenol | 65 | 6.733 | 6.733 | (1.029) | 515647 | 50.0000 | 54 |
| 44 | 2,4-Dinitrotoluene | 165 | 6.763 | 6.763 | (1.033) | 756657 | 50.0000 | 51 |

Data File: /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2717.D
Report Date: 29-Sep-2009 21:35

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 43 Dibenzofuran | 168 | 6.751 | 6.751 | (1.031) | 3679616 | 50.0000 | 52 |
| | 45 Diethylphthalate | 149 | 7.022 | 7.022 | (1.073) | 2553821 | 50.0000 | 52 |
| | 47 Fluorene | 166 | 7.086 | 7.086 | (1.083) | 2866774 | 50.0000 | 52 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.098 | 7.098 | (1.084) | 1357210 | 50.0000 | 51 |
| | 48 4-Nitroaniline | 138 | 7.133 | 7.133 | (1.090) | 489641 | 50.0000 | 52 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.163 | 7.163 | (0.897) | 361771 | 50.0000 | 54 |
| | 49 N-Nitrosodiphenylamine | 169 | 7.222 | 7.222 | (0.904) | 1729050 | 50.0000 | 54 |
| | 75 1,2-Diphenylhydrazine | 77 | 7.257 | 7.257 | (0.909) | 3486753 | 50.0000 | 52 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.322 | 7.322 | (1.119) | 328360 | 50.0000 | 55 |
| | 50 4-Bromophenyl-phenylether | 248 | 7.575 | 7.575 | (0.948) | 677851 | 50.0000 | 53 |
| | 51 Hexachlorobenzene | 284 | 7.628 | 7.628 | (0.955) | 680012 | 50.0000 | 53 |
| | 112 Atrazine | 200 | 7.769 | 7.769 | (0.973) | 515983 | 50.0000 | 50 |
| | 14 Pentachlorophenol | 266 | 7.822 | 7.822 | (0.979) | 351176 | 50.0000 | 52 |
| | 115 n-Octadecane | 57 | 7.957 | 7.957 | (0.996) | 2054751 | 50.0000 | 54 |
| * | 83 Phenanthrene-d10 | 188 | 7.986 | 7.986 | (1.000) | 2116045 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.010 | 8.010 | (1.003) | 3187465 | 50.0000 | 53 |
| | 53 Anthracene | 178 | 8.063 | 8.063 | (1.010) | 3122846 | 50.0000 | 52 |
| | 54 Carbazole | 167 | 8.233 | 8.233 | (1.031) | 2476214 | 50.0000 | 51 |
| | 55 Di-n-butylphthalate | 149 | 8.610 | 8.610 | (1.078) | 3319095 | 50.0000 | 53 |
| | 56 Fluoranthene | 202 | 9.163 | 9.163 | (1.147) | 2556124 | 50.0000 | 50 |
| | 58 Benzidine | 184 | 9.322 | 9.322 | (1.167) | 96810 | 50.0000 | 19 |
| | 57 Pyrene | 202 | 9.374 | 9.374 | (0.886) | 2501249 | 50.0000 | 53 |
| $ | 78 Terphenyl-d14 | 244 | 9.563 | 9.563 | (0.904) | 1691498 | 50.0000 | 54 |
| | 59 Butylbenzylphthalate | 149 | 10.057 | 10.057 | (0.951) | 938965 | 50.0000 | 53 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 10.116 | 10.116 | (0.956) | 3218 | 0.50000 | 0.52 |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.569 | 10.569 | (0.999) | 394823 | 50.0000 | 50 |
| | 61 Benzo(a)anthracene | 228 | 10.569 | 10.569 | (0.999) | 1571803 | 50.0000 | 49 |
| * | 81 Chrysene-d12 | 240 | 10.580 | 10.580 | (1.000) | 1127994 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.674 | 10.674 | (1.009) | 1248211 | 50.0000 | 54 |
| | 62 Chrysene | 228 | 10.610 | 10.610 | (1.003) | 1447046 | 50.0000 | 50 |
| | 64 Di-n-octylphthalate | 149 | 11.421 | 11.421 | (0.933) | 1677187 | 50.0000 | 52 |
| | 65 Benzo(b)fluoranthene | 252 | 11.786 | 11.786 | (0.963) | 1050299 | 50.0000 | 55 |
| | 66 Benzo(k)fluoranthene | 252 | 11.821 | 11.821 | (0.965) | 1126737 | 50.0000 | 54 |
| | 67 Benzo(a)pyrene | 252 | 12.174 | 12.174 | (0.994) | 895764 | 50.0000 | 56 |
| * | 84 Perylene-d12 | 264 | 12.245 | 12.245 | (1.000) | 657836 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.562 | 13.562 | (1.108) | 690214 | 50.0000 | 48 |
| | 69 Dibenz(a,h)anthracene | 278 | 13.598 | 13.598 | (1.110) | 717057 | 50.0000 | 48 |
| | 70 Benzo(g,h,i)perylene | 276 | 13.880 | 13.880 | (1.134) | 692468 | 50.0000 | 52 |

QC Flag Legend

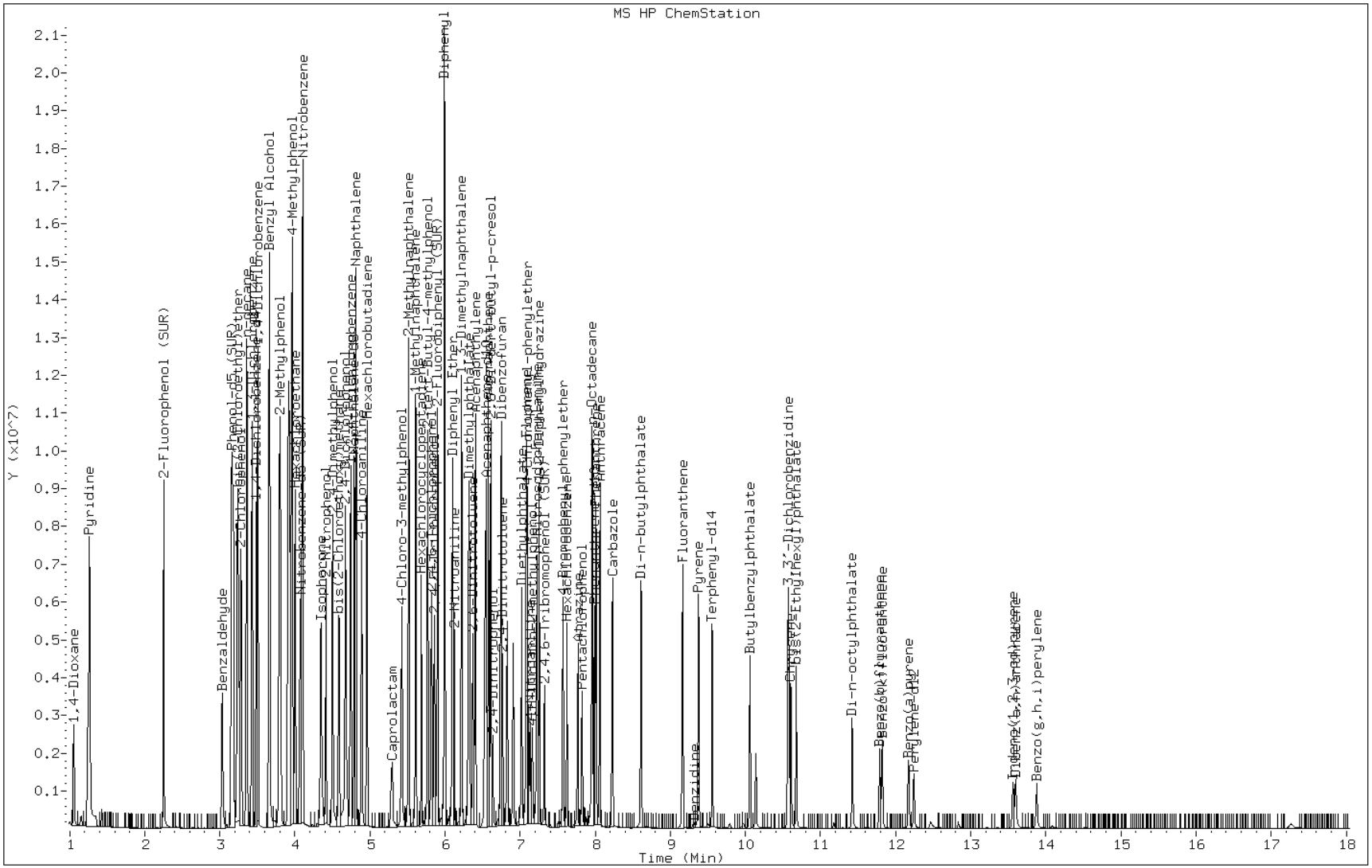
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: x2717.d

Date: 29-SEP-2009 19:22

Client ID: Instrument: BNAMS5.i

Sample Info: CCVIS-210292 Operator: BNAMS 4



TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/625/09-21-09/21sep09.b

Date Generated: 09/21/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 0031 | z4009.d | 1 | DFTPP-61180 | — | — | 0 | 0 | 1 | 2.0 | all | 4329 | 6 |
| 09/21/09 0132 | z4010.d | 2 | ICIS-154120 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | C |
| 09/21/09 0222 | z4011.d | 3 | IC-154124 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | 6 |
| 09/21/09 0246 | z4012.d | 4 | IC-154121 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | 6 |
| 09/21/09 0310 | z4013.d | 5 | IC-154123 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | 6 |
| 09/21/09 0334 | z4014.d | 6 | IC-154122 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | 6 |
| 09/21/09 0423 | z4016.d | 8 | icv | 21sep09 | — | 1000 | 1 | 1 | 1.0 | all | 4401 | 6 |

6pt range 500 except for 1,4-Dioxane benzidine

Low for benzidine

Signed: Michael Morris Read and Understood by:

Date: 9/21/09 Date: 9-22-09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/625/09-21-09/22sep09.b

Date Generated: 09/23/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/22/09 1429 | z4079.d | 1 | DFTPP-61180 | — | — | 0 | 0 | 1 | 2.0 | all | 4379 | G |
| 09/22/09 1446 | z4080.d | 2 | CCVIS-154120 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | NA |
| 09/22/09 1525 | z4081.d | 3 | CCVIS-210292 | — | — | 1000 | 2 | 1 | 1.0 | all | 4407 | no 1,4-Dioxane Benzidine G |
| 09/23/09 0250 | z4108.d | 30 | 460-5762-E-1-A | 460-17323 | 09/18/09 | 980 | 2 | 2 | 1.0 | all | — | not reported |
| 09/23/09 0315 | z4109.d | 31 | 460-5815-E-4-A | 460-17430 | 09/21/09 | 990 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0339 | z4110.d | 32 | 460-5815-E-2-A | 460-17430 | 09/21/09 | 980 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0404 | z4111.d | 33 | 460-5815-D-6-A | 460-17430 | 09/21/09 | 900 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0429 | z4112.d | 34 | 460-5815-D-7-A | 460-17430 | 09/21/09 | 970 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0453 | z4113.d | 35 | MB 460-17674/1-A | 460-17674 | — | 1000 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0518 | z4114.d | 36 | LCS 460-17674/2-A | 460-17674 | — | 1000 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0543 | z4115.d | 37 | LCSD 460-17674/3-A | 460-17674 | — | 1000 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0608 | z4116.d | 38 | 460-5608-H-3-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0632 | z4117.d | 39 | 460-5762-D-1-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | — | high surr recovered due to matrix G 9/23/09 |
| 09/23/09 0657 | z4118.d | 40 | 460-5863-D-1-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | — | G |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/625/09-21-09/22sep09.b

Date Generated: 09/23/2009

Page 2

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/23/09 0721 | z4119.d | 41 | 460-5863-D-2-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | C |
| 09/23/09 0752 | z4120.d | 42 | ISTD 4400G | 22sep09 | - | 1000 | 2 | 1 | 1.0 | all | - | For Istd test purpose |
| 09/23/09 0821 | z4121.d | 43 | 460-5869-D-1-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | C |
| 09/23/09 0845 | z4122.d | 44 | 460-5869-D-2-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | C |
| 09/23/09 0910 | z4123.d | 45 | 220-10149-B-1-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | C |
| 09/23/09 0940 | z4124.d | 46 | 460-5879-A-6-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | C |
| 09/23/09 1004 | z4125.d | 47 | 460-5918-B-1-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | C |

Signed: Michael Rocco Read and Understood by: [signature]

Date: 9/23/09 Date: 9-24-09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS5.i

Analytical Batch: /chem/BNAMS5.i/625/09-24-09/24sep09.b

Date Generated: 09/25/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/24/09 1048 | X2594.d | 1 | DFTPP-61180 | | | 0 | 0 | 1 | 2.0 | all | 4379 | a |
| 09/24/09 1103 | X2595.d | 2 | ICIS-210292 | | | 1000 | 2 | 1 | 1.0 | all | 4407 | a |
| 09/24/09 1128 | X2596.d | 3 | IC-210298 | | | 1000 | 2 | 1 | 1.0 | all | 4407 | a |
| 09/24/09 1217 | X2598.d | 5 | IC-210297 | | | 1000 | 2 | 1 | 1.0 | all | 4407 | a |
| 09/24/09 1242 | X2599.d | 6 | IC-210296 | | | 1000 | 2 | 1 | 1.0 | all | 4407 | a |
| 09/24/09 1334 | X2601.d | 8 | IC-210293 | | | 1000 | 2 | 1 | 1.0 | all | 4407 | a |
| 09/24/09 1424 | X2602.d | 9 | icv | 24sep09 | | 1000 | 1 | 1 | 1.0 | all | ✓ | a |

Signed: _____ Read and Understood by: _____

Date: 9/25/09 Date: 9-25-09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS5.i

Analytical Batch: /chem/BNAMS5.i/8270/09-28-09HL/28sep09.b

Date Generated: 09/29/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/28/09 1155 | x2661.d | 1 | DFTPP-61180 | — | — | 0 | 0 | 1 | 2.0 | all | 4329 | 6 |
| 09/28/09 1210 | x2662.d | 2 | ICIS-210292 | | — | 1 | 10 | 1 | 1.0 | all | 4407 | 6 |
| 09/28/09 1237 | x2663.d | 3 | IC-210298 | — | — | 1 | 10 | 1 | 1.0 | all | 4407 | 6 |
| 09/28/09 1302 | x2664.d | 4 | IC-210293 | — | — | 1 | 10 | 1 | 1.0 | all | 4407 | 6 |
| 09/28/09 1327 | x2665.d | 5 | IC-210297 | — | — | 1 | 10 | 1 | 1.0 | all | 4407 | 6 |
| 09/28/09 1352 | x2666.d | 6 | IC-210296 | — | — | 1 | 10 | 1 | 1.0 | all | 4407 | 6 |
| 09/28/09 1417 | x2667.d | 7 | IC-210307 | — | — | 1 | 10 | 1 | 1.0 | all | 4407 | 6 |
| 09/28/09 1943 | x2679.d | 19 | MB 460-18070/1-A | 460-18070 | — | 1 | 10 | 1 | 1.0 | all | — | 6 |
| 09/28/09 2008 | x2680.d | 20 | LCS 460-18070/2-A | 460-18070 | — | 1 | 10 | 1 | 1.0 | all | — | 6 |
| 09/28/09 2033 | x2681.d | 21 | 460-5842-A-2-C | 460-18070 | 09/25/09 | 1 | 10 | 1 | 1.0 | all | — | RL 1000x |
| 09/28/09 2058 | x2682.d | 22 | 460-5842-A-2-A MS | 460-18070 | 09/25/09 | 1 | 10 | 1 | 1.0 | all | — | |
| 09/28/09 2124 | x2683.d | 23 | 460-5842-A-2-B MSD | 460-18070 | 09/25/09 | 1 | 10 | 1 | 1.0 | all | — | |

8270 HL range for all except for 1) benzaldehyde 2) benzidine

Signed: Michael Moore Read and Understood by:

Date: 9/29/09 Date: 9-29-09

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Report Date: 21-Sep-2009 06:37

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Lab Smp Id: DFTPP-61180
Inj Date  : 21-SEP-2009 00:31
Operator  : BNA2 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

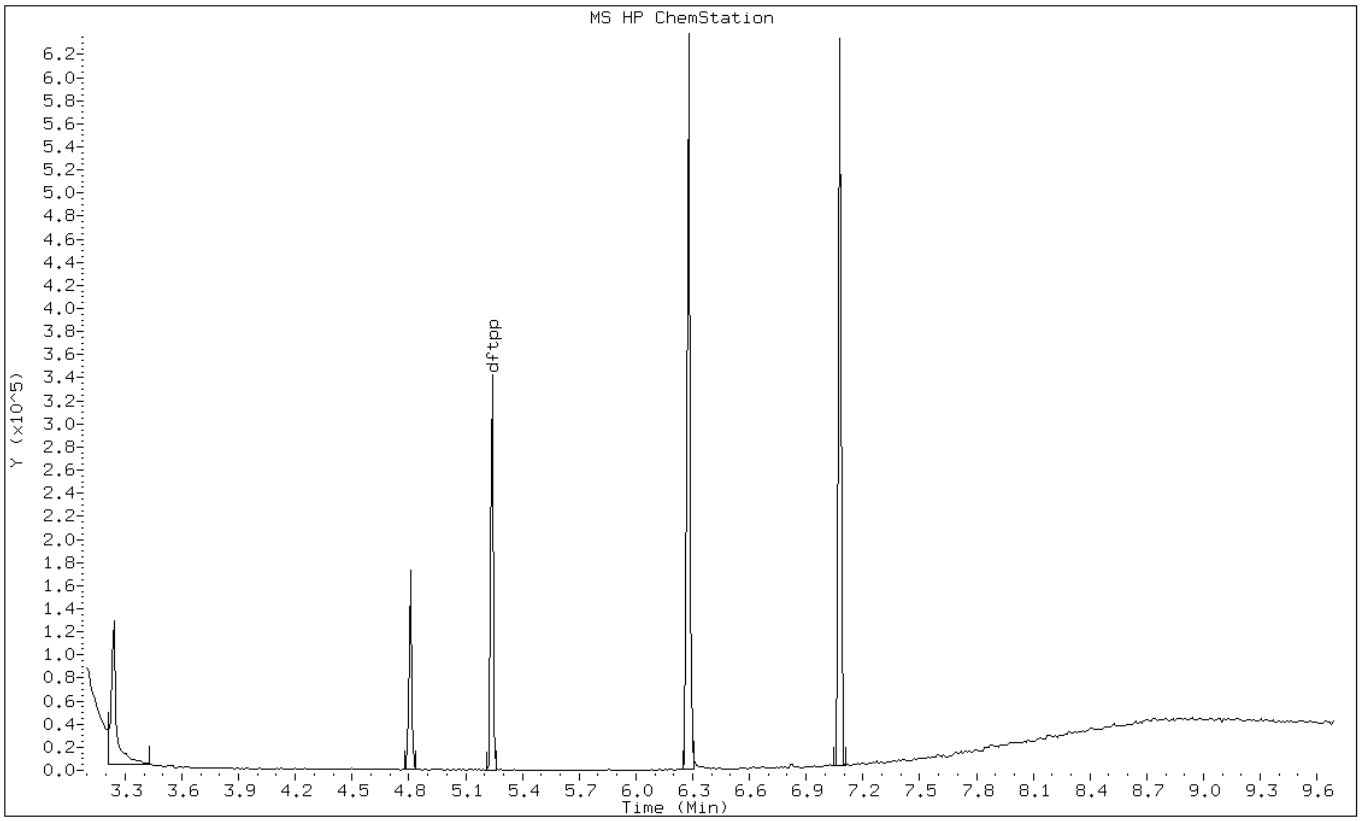
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.242 | 5.377 | -0.135 | 198 | 24154 | | | 0.00- 100.00 | 100.00 |
| 5.242 | 5.377 | -0.135 | 51 | 9514 | | | 30.00- 60.00 | 39.39 |
| 5.242 | 5.377 | -0.135 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 69 | 9052 | | | 0.00- 0.00 | 37.48 |
| 5.242 | 5.377 | -0.135 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 127 | 11815 | | | 40.00- 60.00 | 48.92 |
| 5.242 | 5.377 | -0.135 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 199 | 1541 | | | 5.00- 9.00 | 6.38 |
| 5.242 | 5.377 | -0.135 | 275 | 6290 | | | 10.00- 30.00 | 26.04 |
| 5.242 | 5.377 | -0.135 | 365 | 624 | | | 1.00- 0.00 | 2.58 |
| 5.242 | 5.377 | -0.135 | 441 | 3007 | | | 0.01- 100.00 | 72.01 |
| 5.242 | 5.377 | -0.135 | 442 | 21767 | | | 40.00- 110.00 | 90.12 |
| 5.242 | 5.377 | -0.135 | 443 | 4176 | | | 17.00- 23.00 | 19.19 |

Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2



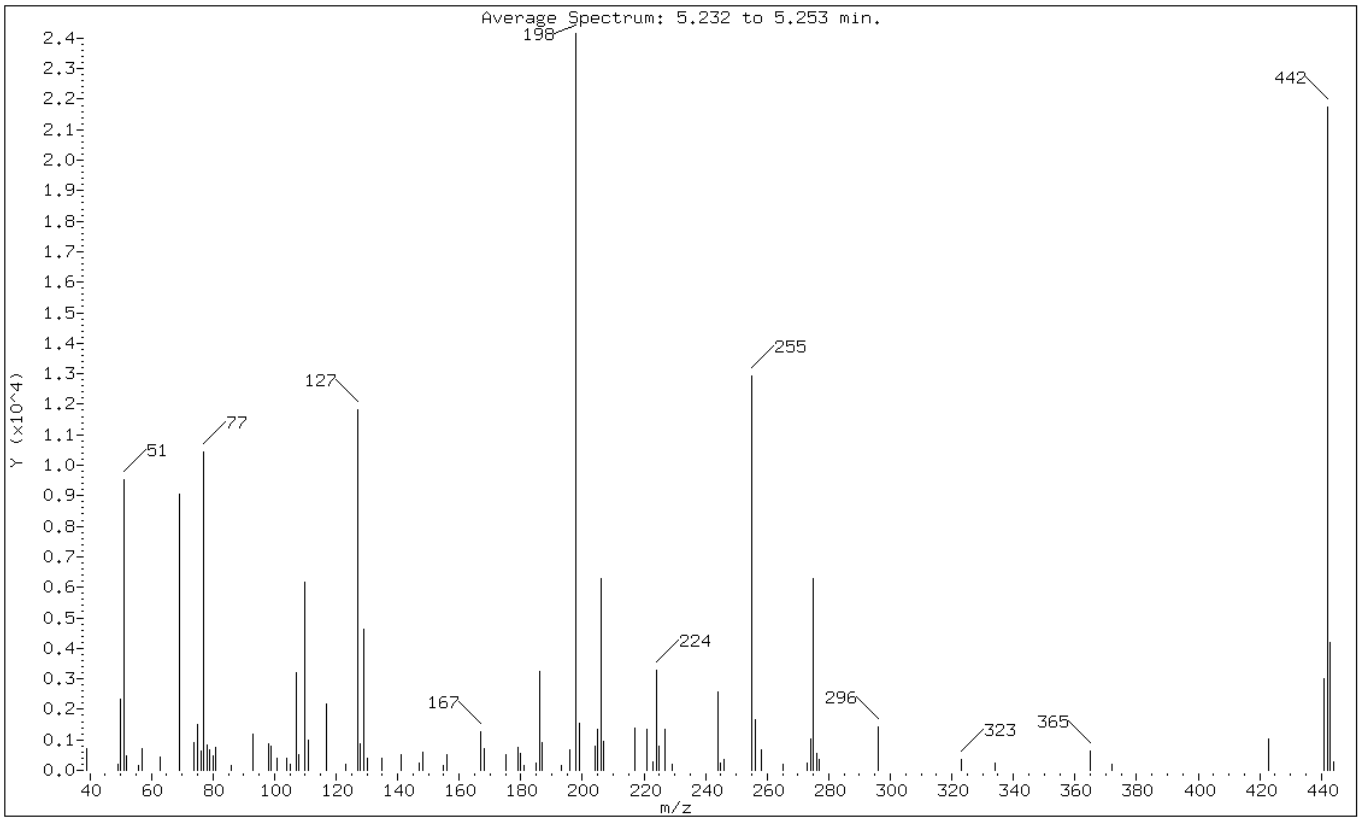
Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 39.39 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 37.48 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 48.92 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.38 |
| 275 | 10.00 - 30.00% of mass 198 | 26.04 |
| 365 | Greater than 1.00% of mass 198 | 2.58 |
| 441 | 0.01 - 100.00% of mass 443 | 12.45 ( 72.01) |
| 442 | 40.00 - 110.00% of mass 198 | 90.12 |
| 443 | 17.00 - 23.00% of mass 442 | 17.29 ( 19.19) |

Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Spectrum: Average Spectrum: 5.232 to 5.253 min.
Location of Maximum: 198.00
Number of points: 86

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 712 | 104.00 | 386 | 180.00 | 565 | 246.00 | 347 |
| 49.00 | 188 | 105.00 | 187 | 181.00 | 176 | 255.00 | 12940 |
| 50.00 | 2316 | 107.00 | 3194 | 185.00 | 248 | 256.00 | 1663 |
| 51.00 | 9514 | 108.00 | 531 | 186.00 | 3257 | 258.00 | 664 |
| 52.00 | 487 | 110.00 | 6169 | 187.00 | 914 | 265.00 | 193 |
| 56.00 | 173 | 111.00 | 971 | 193.00 | 173 | 273.00 | 252 |
| 57.00 | 699 | 117.00 | 2187 | 196.00 | 674 | 274.00 | 1036 |
| 63.00 | 424 | 123.00 | 200 | 198.00 | 24152 | 275.00 | 6290 |
| 69.00 | 9052 | 127.00 | 11815 | 199.00 | 1541 | 276.00 | 545 |
| 74.00 | 895 | 128.00 | 867 | 204.00 | 772 | 277.00 | 357 |
| 75.00 | 1484 | 129.00 | 4615 | 205.00 | 1343 | 296.00 | 1431 |
| 76.00 | 622 | 130.00 | 401 | 206.00 | 6287 | 323.00 | 369 |
| 77.00 | 10447 | 135.00 | 405 | 207.00 | 930 | 334.00 | 222 |
| 78.00 | 811 | 141.00 | 501 | 217.00 | 1399 | 365.00 | 624 |
| 79.00 | 656 | 147.00 | 218 | 221.00 | 1345 | 372.00 | 198 |
| 80.00 | 494 | 148.00 | 598 | 223.00 | 267 | 423.00 | 1025 |
| 81.00 | 756 | 155.00 | 170 | 224.00 | 3289 | 441.00 | 3007 |
| 86.00 | 171 | 156.00 | 513 | 225.00 | 776 | 442.00 | 21760 |
| 93.00 | 1190 | 167.00 | 1276 | 227.00 | 1358 | 443.00 | 4176 |
| 98.00 | 857 | 168.00 | 723 | 229.00 | 183 | 444.00 | 272 |
| 99.00 | 785 | 175.00 | 502 | 244.00 | 2575 | | |
| 101.00 | 379 | 179.00 | 739 | 245.00 | 237 | | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4079.d
Report Date: 22-Sep-2009 14:53

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4079.d
Lab Smp Id: DFTPP-61180
Inj Date  : 22-SEP-2009 14:29
Operator  : BNA2 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.180 | 5.377 | -0.197 | 198 | 25553 | | | 0.00- 100.00 | 100.00 |
| 5.180 | 5.377 | -0.197 | 51 | 10305 | | | 30.00- 60.00 | 40.33 |
| 5.180 | 5.377 | -0.197 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.180 | 5.377 | -0.197 | 69 | 9547 | | | 0.00- 0.00 | 37.36 |
| 5.180 | 5.377 | -0.197 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.180 | 5.377 | -0.197 | 127 | 13279 | | | 40.00- 60.00 | 51.97 |
| 5.180 | 5.377 | -0.197 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.180 | 5.377 | -0.197 | 199 | 1761 | | | 5.00- 9.00 | 6.89 |
| 5.180 | 5.377 | -0.197 | 275 | 6814 | | | 10.00- 30.00 | 26.67 |
| 5.180 | 5.377 | -0.197 | 365 | 547 | | | 1.00- 0.00 | 2.14 |
| 5.180 | 5.377 | -0.197 | 441 | 3455 | | | 0.01- 100.00 | 77.33 |
| 5.180 | 5.377 | -0.197 | 442 | 23123 | | | 40.00- 110.00 | 90.49 |
| 5.180 | 5.377 | -0.197 | 443 | 4468 | | | 17.00- 23.00 | 19.32 |

Data File: z4079.d

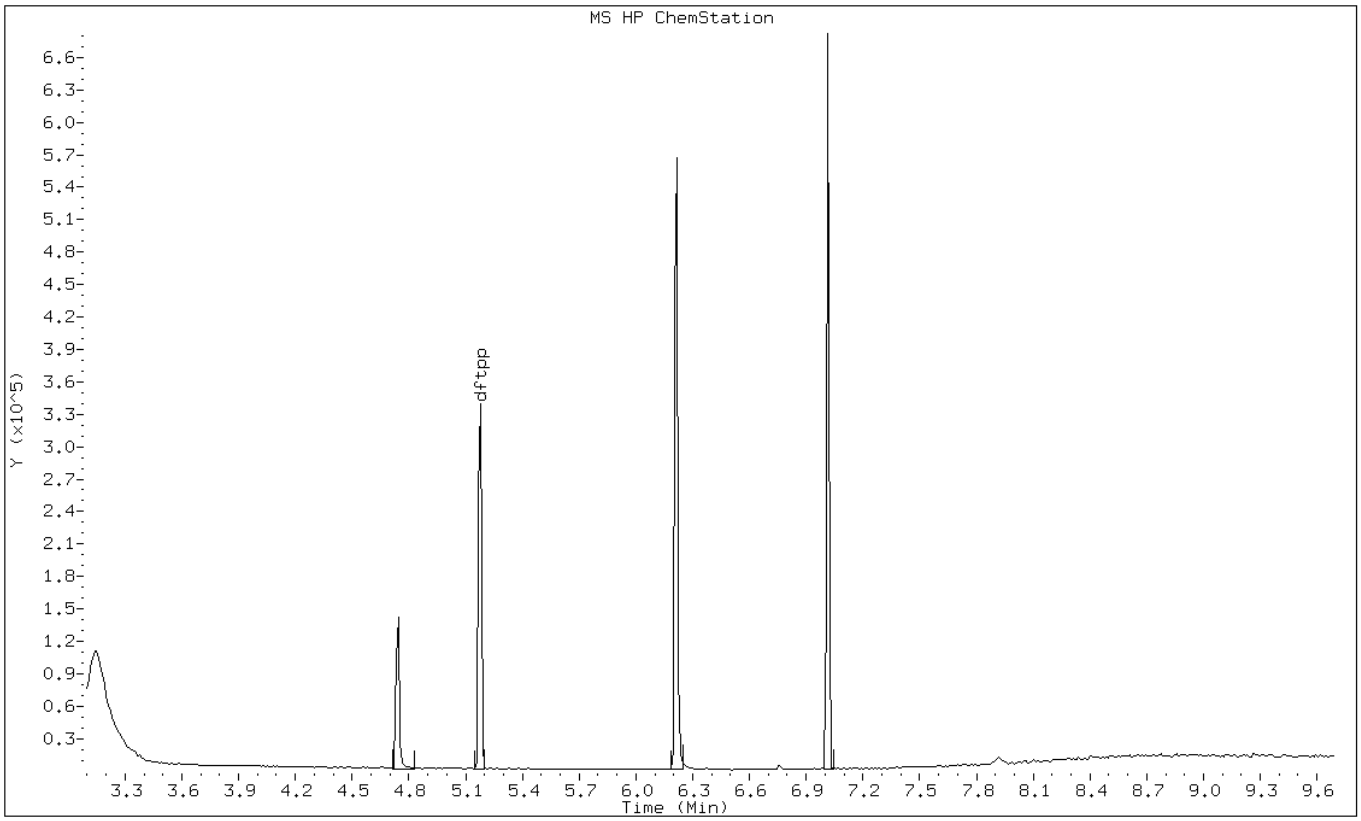
Date: 22-SEP-2009 14:29

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-61180

Operator: BNA2



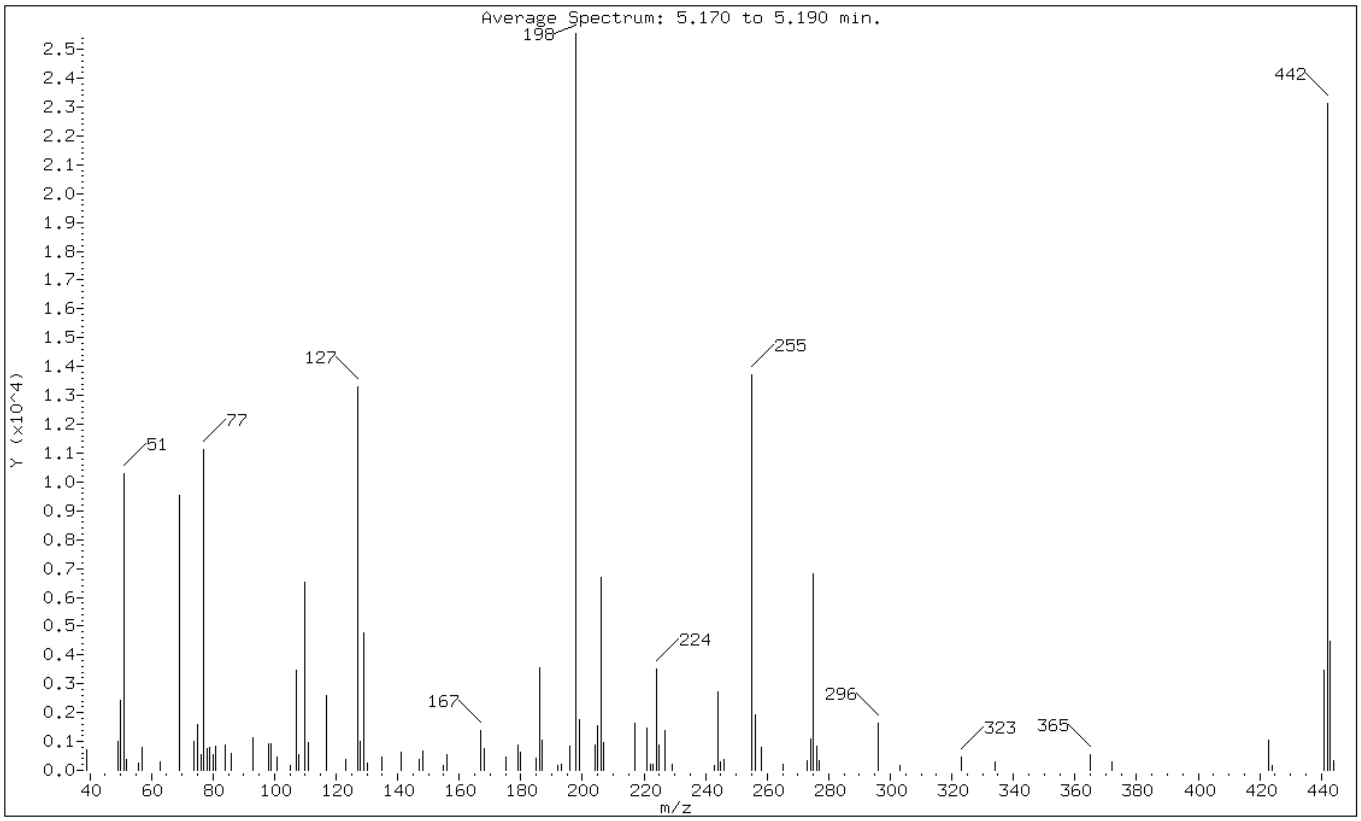
Data File: z4079.d

Date: 22-SEP-2009 14:29

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 40.33 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 37.36 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 51.97 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.89 |
| 275 | 10.00 - 30.00% of mass 198 | 26.67 |
| 365 | Greater than 1.00% of mass 198 | 2.14 |
| 441 | 0.01 - 100.00% of mass 443 | 13.52 ( 77.33) |
| 442 | 40.00 - 110.00% of mass 198 | 90.49 |
| 443 | 17.00 - 23.00% of mass 442 | 17.49 ( 19.32) |

Data File: z4079.d

Date: 22-SEP-2009 14:29

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4079.d
Spectrum: Average Spectrum: 5.170 to 5.190 min.
Location of Maximum: 198.00
Number of points: 90

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 713 | 105.00 | 172 | 186.00 | 3552 | 255.00 | 13718 |
| 49.00 | 1014 | 107.00 | 3479 | 187.00 | 1062 | 256.00 | 1940 |
| 50.00 | 2446 | 108.00 | 545 | 192.00 | 180 | 258.00 | 780 |
| 51.00 | 10305 | 110.00 | 6514 | 193.00 | 189 | 265.00 | 210 |
| 52.00 | 364 | 111.00 | 962 | 196.00 | 854 | 273.00 | 327 |
| 56.00 | 232 | 117.00 | 2576 | 198.00 | 25552 | 274.00 | 1080 |
| 57.00 | 774 | 123.00 | 376 | 199.00 | 1761 | 275.00 | 6814 |
| 63.00 | 293 | 127.00 | 13279 | 204.00 | 860 | 276.00 | 816 |
| 69.00 | 9547 | 128.00 | 1022 | 205.00 | 1545 | 277.00 | 331 |
| 74.00 | 988 | 129.00 | 4766 | 206.00 | 6690 | 296.00 | 1632 |
| 75.00 | 1581 | 130.00 | 263 | 207.00 | 948 | 303.00 | 172 |
| 76.00 | 545 | 135.00 | 446 | 217.00 | 1623 | 323.00 | 465 |
| 77.00 | 11111 | 141.00 | 647 | 221.00 | 1445 | 334.00 | 292 |
| 78.00 | 759 | 147.00 | 361 | 222.00 | 195 | 365.00 | 547 |
| 79.00 | 802 | 148.00 | 666 | 223.00 | 203 | 372.00 | 279 |
| 80.00 | 533 | 155.00 | 175 | 224.00 | 3506 | 423.00 | 1041 |
| 81.00 | 824 | 156.00 | 557 | 225.00 | 866 | 424.00 | 168 |
| 84.00 | 858 | 167.00 | 1375 | 227.00 | 1376 | 441.00 | 3455 |
| 86.00 | 589 | 168.00 | 732 | 229.00 | 226 | 442.00 | 23120 |
| 93.00 | 1134 | 175.00 | 450 | 243.00 | 169 | 443.00 | 4468 |
| 98.00 | 918 | 179.00 | 883 | 244.00 | 2735 | 444.00 | 343 |
| 99.00 | 908 | 180.00 | 639 | 245.00 | 289 | | |
| 101.00 | 464 | 185.00 | 427 | 246.00 | 397 | | |

Data File: /chem/BNAMS11.i/8270/09-21-09/23sep09.b/z4126.d
Report Date: 23-Sep-2009 11:42

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-21-09/23sep09.b/z4126.d
Lab Smp Id: DFTPP-61180
Inj Date  : 23-SEP-2009 11:15
Operator  : BNA2 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/23sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

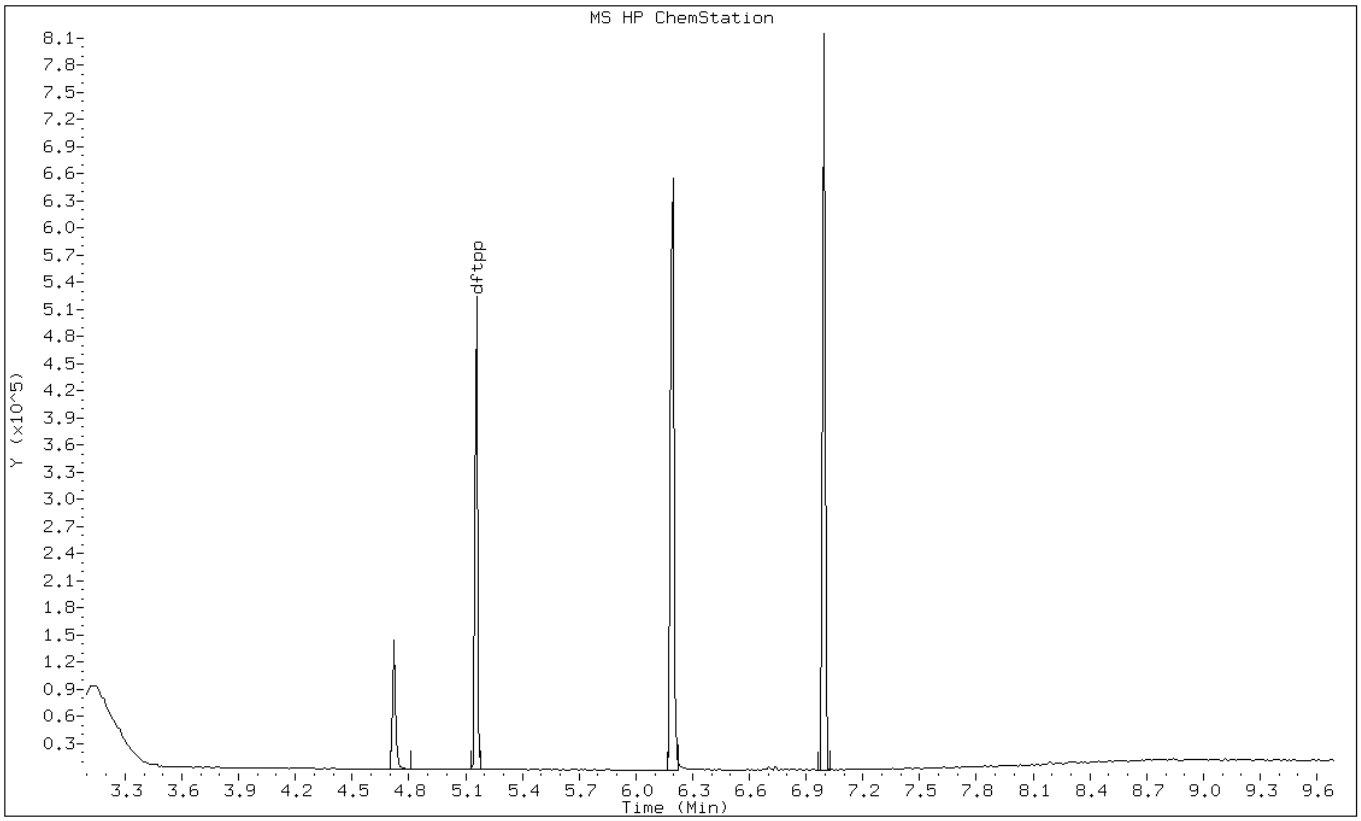
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.159 | 5.377 | -0.218 | 198 | 35566 | | | 0.00- 100.00 | 100.00 |
| 5.159 | 5.377 | -0.218 | 51 | 13583 | | | 30.00- 60.00 | 38.19 |
| 5.159 | 5.377 | -0.218 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.159 | 5.377 | -0.218 | 69 | 13219 | | | 0.00- 0.00 | 37.17 |
| 5.159 | 5.377 | -0.218 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.159 | 5.377 | -0.218 | 127 | 18155 | | | 40.00- 60.00 | 51.05 |
| 5.159 | 5.377 | -0.218 | 197 | 219 | | | 0.00- 1.00 | 0.62 |
| 5.159 | 5.377 | -0.218 | 199 | 2283 | | | 5.00- 9.00 | 6.42 |
| 5.159 | 5.377 | -0.218 | 275 | 8810 | | | 10.00- 30.00 | 24.77 |
| 5.159 | 5.377 | -0.218 | 365 | 1052 | | | 1.00- 0.00 | 2.96 |
| 5.159 | 5.377 | -0.218 | 441 | 4538 | | | 0.01- 100.00 | 74.03 |
| 5.159 | 5.377 | -0.218 | 442 | 31615 | | | 40.00- 110.00 | 88.89 |
| 5.159 | 5.377 | -0.218 | 443 | 6130 | | | 17.00- 23.00 | 19.39 |

Data File: z4126.d

Date: 23-SEP-2009 11:15

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2



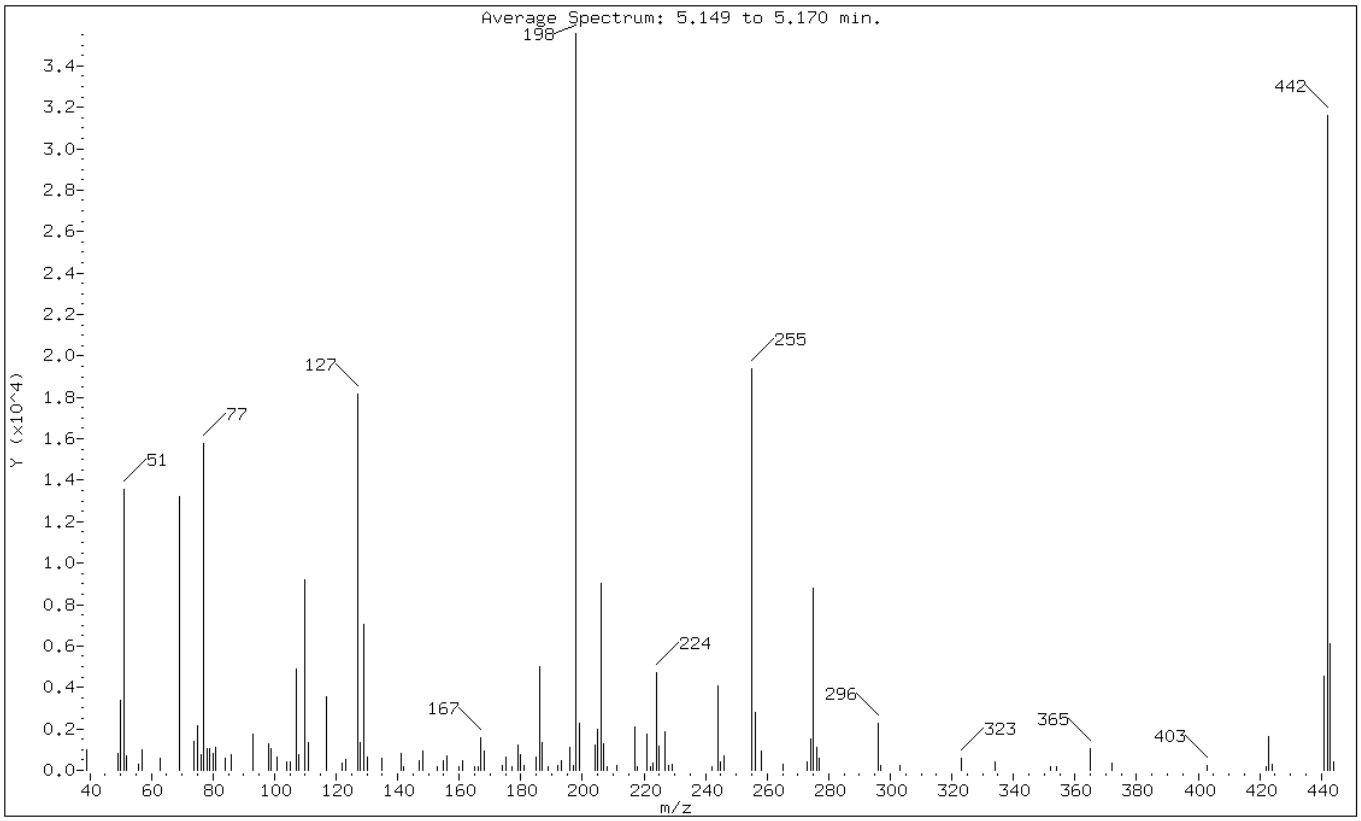
Data File: z4126.d

Date: 23-SEP-2009 11:15

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 38.19 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 37.17 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 51.05 |
| 197 | Less than 1.00% of mass 198 | 0.62 |
| 199 | 5.00 - 9.00% of mass 198 | 6.42 |
| 275 | 10.00 - 30.00% of mass 198 | 24.77 |
| 365 | Greater than 1.00% of mass 198 | 2.96 |
| 441 | 0.01 - 100.00% of mass 443 | 12.76 ( 74.03) |
| 442 | 40.00 - 110.00% of mass 198 | 88.89 |
| 443 | 17.00 - 23.00% of mass 442 | 17.24 ( 19.39) |

Data File: z4126.d

Date: 23-SEP-2009 11:15

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-21-09/23sep09.b/z4126.d
Spectrum: Average Spectrum: 5.149 to 5.170 min.
Location of Maximum: 198.00
Number of points: 112

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 1005 | 117.00 | 3523 | 187.00 | 1361 | 256.00 | 2776 |
| 49.00 | 791 | 122.00 | 365 | 189.00 | 183 | 258.00 | 960 |
| 50.00 | 3382 | 123.00 | 515 | 192.00 | 230 | 265.00 | 288 |
| 51.00 | 13583 | 127.00 | 18152 | 193.00 | 475 | 273.00 | 418 |
| 52.00 | 686 | 128.00 | 1367 | 196.00 | 1109 | 274.00 | 1505 |
| 56.00 | 292 | 129.00 | 7067 | 197.00 | 219 | 275.00 | 8810 |
| 57.00 | 1001 | 130.00 | 635 | 198.00 | 35560 | 276.00 | 1122 |
| 63.00 | 557 | 135.00 | 571 | 199.00 | 2283 | 277.00 | 585 |
| 69.00 | 13219 | 141.00 | 813 | 204.00 | 1246 | 296.00 | 2297 |
| 74.00 | 1396 | 142.00 | 183 | 205.00 | 1986 | 297.00 | 214 |
| 75.00 | 2128 | 147.00 | 481 | 206.00 | 9016 | 303.00 | 260 |
| 76.00 | 764 | 148.00 | 942 | 207.00 | 1294 | 323.00 | 607 |
| 77.00 | 15748 | 153.00 | 176 | 208.00 | 191 | 334.00 | 413 |
| 78.00 | 1050 | 155.00 | 494 | 211.00 | 215 | 352.00 | 178 |
| 79.00 | 1025 | 156.00 | 723 | 217.00 | 2110 | 354.00 | 195 |
| 80.00 | 794 | 160.00 | 184 | 218.00 | 175 | 365.00 | 1052 |
| 81.00 | 1107 | 161.00 | 444 | 221.00 | 1746 | 372.00 | 358 |
| 84.00 | 594 | 165.00 | 179 | 222.00 | 199 | 403.00 | 247 |
| 86.00 | 730 | 166.00 | 173 | 223.00 | 337 | 422.00 | 166 |
| 93.00 | 1725 | 167.00 | 1598 | 224.00 | 4735 | 423.00 | 1647 |
| 98.00 | 1278 | 168.00 | 912 | 225.00 | 1136 | 424.00 | 266 |
| 99.00 | 1036 | 174.00 | 217 | 227.00 | 1840 | 441.00 | 4538 |
| 101.00 | 666 | 175.00 | 649 | 228.00 | 219 | 442.00 | 31608 |
| 104.00 | 409 | 177.00 | 202 | 229.00 | 307 | 443.00 | 6130 |
| 105.00 | 399 | 179.00 | 1206 | 242.00 | 177 | 444.00 | 382 |
| 107.00 | 4865 | 180.00 | 782 | 244.00 | 4050 | | |
| 108.00 | 750 | 181.00 | 237 | 245.00 | 394 | | |
| 110.00 | 9197 | 185.00 | 668 | 246.00 | 689 | | |
| 111.00 | 1338 | 186.00 | 4991 | 255.00 | 19376 | | |

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2594.D
Report Date: 24-Sep-2009 10:50

TestAmerica

Data file : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2594.D
Lab Smp Id: DFTPP-61180
Inj Date  : 24-SEP-2009 10:48
Operator  : BNA2 Inst ID: BNAMS5.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp std bna4379
Comment   :
Method    : /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/BNADFTPP.m
Meth Date : 14-Sep-2009 15:38 czhao Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

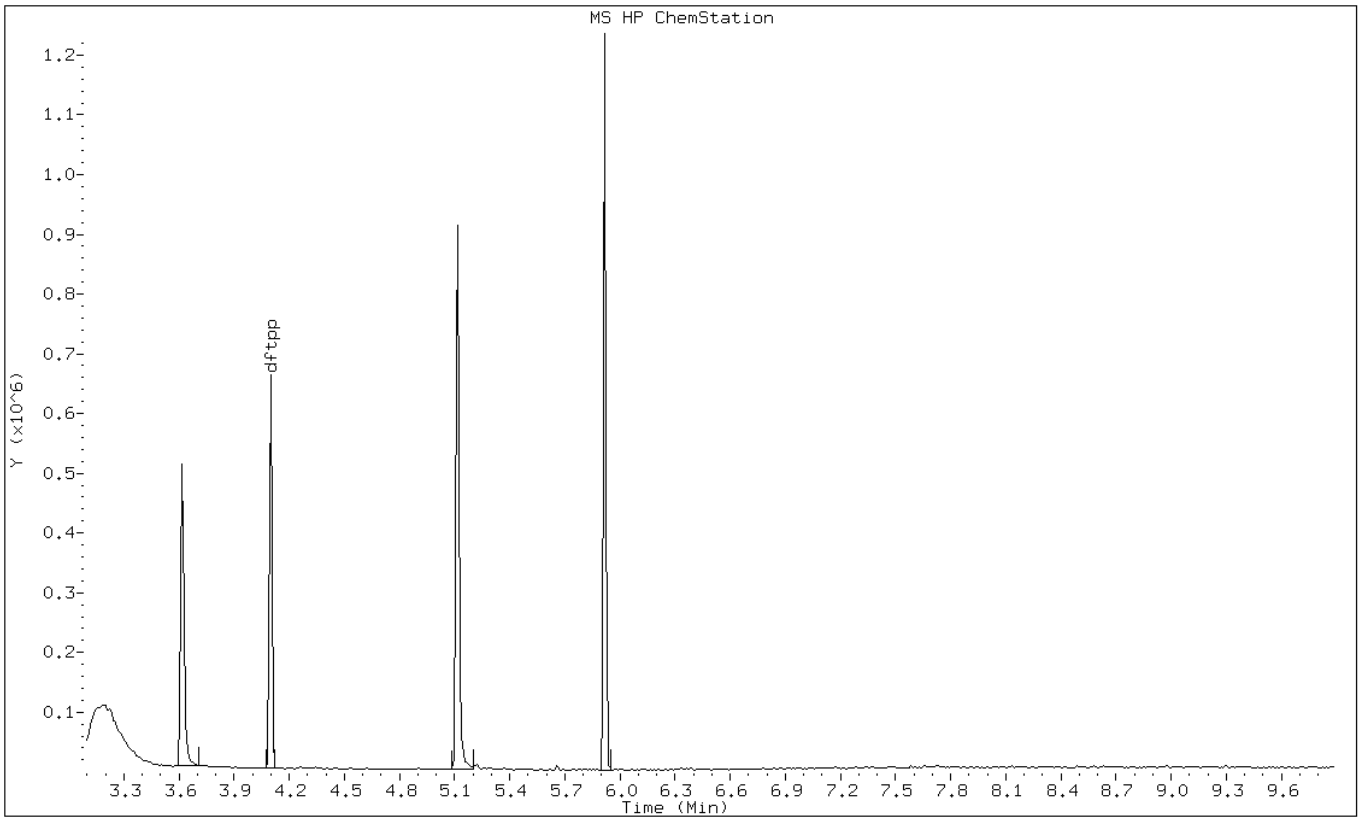
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 4.102 | 4.191 | -0.089 | 198 | 46325 | | | 0.00- 100.00 | 100.00 |
| 4.102 | 4.191 | -0.089 | 51 | 22868 | | | 30.00- 60.00 | 49.36 |
| 4.102 | 4.191 | -0.089 | 68 | 286 | | | 0.00- 2.00 | 1.37 |
| 4.102 | 4.191 | -0.089 | 69 | 20894 | | | 0.00- 0.00 | 45.10 |
| 4.102 | 4.191 | -0.089 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 4.102 | 4.191 | -0.089 | 127 | 23259 | | | 40.00- 60.00 | 50.21 |
| 4.102 | 4.191 | -0.089 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 4.102 | 4.191 | -0.089 | 199 | 2983 | | | 5.00- 9.00 | 6.44 |
| 4.102 | 4.191 | -0.089 | 275 | 11625 | | | 10.00- 30.00 | 25.09 |
| 4.102 | 4.191 | -0.089 | 365 | 1515 | | | 1.00- 0.00 | 3.27 |
| 4.102 | 4.191 | -0.089 | 441 | 4271 | | | 0.01- 100.00 | 81.73 |
| 4.102 | 4.191 | -0.089 | 442 | 28165 | | | 40.00- 110.00 | 60.80 |
| 4.102 | 4.191 | -0.089 | 443 | 5226 | | | 17.00- 23.00 | 18.55 |

Data File: X2594.d

Date: 24-SEP-2009 10:48

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNA2



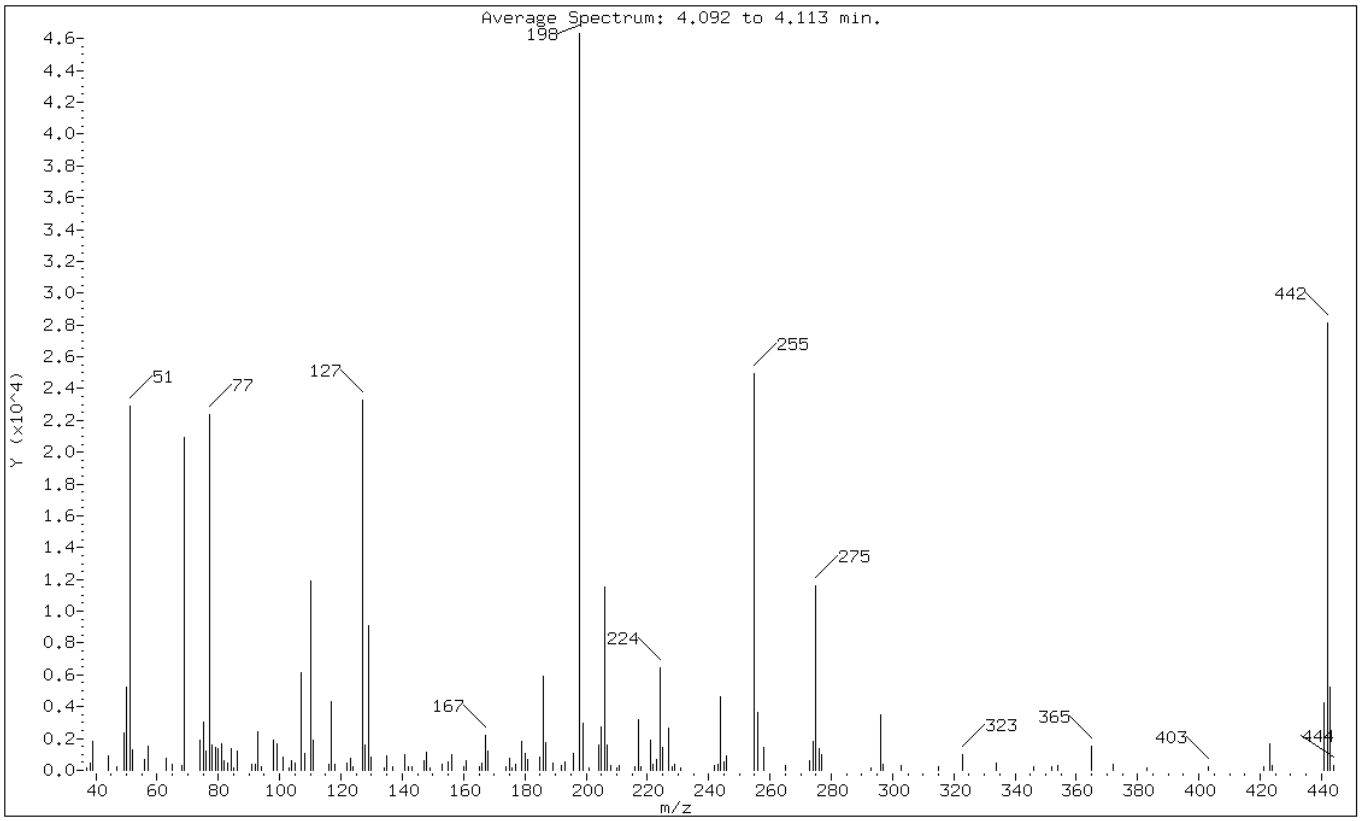
Data File: X2594.d

Date: 24-SEP-2009 10:48

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 49.36 |
| 68 | Less than 2.00% of mass 69 | 0.62 ( 1.37) |
| 69 | Mass 69 relative abundance | 45.10 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 50.21 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.44 |
| 275 | 10.00 - 30.00% of mass 198 | 25.09 |
| 365 | Greater than 1.00% of mass 198 | 3.27 |
| 441 | 0.01 - 100.00% of mass 443 | 9.22 ( 81.73) |
| 442 | 40.00 - 110.00% of mass 198 | 60.80 |
| 443 | 17.00 - 23.00% of mass 442 | 11.28 ( 18.55) |

Data File: X2594.d

Date: 24-SEP-2009 10:48

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS5.i/8270/09-24-09/24sep09a.b/X2594.d
Spectrum: Average Spectrum: 4.092 to 4.113 min.
Location of Maximum: 198.00
Number of points: 141

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 37.00 | 167 | 104.00 | 637 | 176.00 | 169 | 244.00 | 4657 |
| 38.00 | 430 | 105.00 | 436 | 177.00 | 403 | 245.00 | 544 |
| 39.00 | 1808 | 107.00 | 6111 | 179.00 | 1814 | 246.00 | 916 |
| 44.00 | 921 | 108.00 | 1069 | 180.00 | 1076 | 255.00 | 24944 |
| 47.00 | 226 | 110.00 | 11915 | 181.00 | 659 | 256.00 | 3644 |
| 49.00 | 2316 | 111.00 | 1870 | 185.00 | 849 | 258.00 | 1472 |
| 50.00 | 5248 | 116.00 | 379 | 186.00 | 5929 | 265.00 | 307 |
| 51.00 | 22864 | 117.00 | 4341 | 187.00 | 1776 | 273.00 | 579 |
| 52.00 | 1322 | 118.00 | 381 | 189.00 | 471 | 274.00 | 1857 |
| 56.00 | 697 | 122.00 | 450 | 192.00 | 301 | 275.00 | 11625 |
| 57.00 | 1488 | 123.00 | 781 | 193.00 | 551 | 276.00 | 1386 |
| 63.00 | 785 | 124.00 | 238 | 196.00 | 1084 | 277.00 | 948 |
| 65.00 | 348 | 127.00 | 23256 | 198.00 | 46320 | 293.00 | 177 |
| 68.00 | 286 | 128.00 | 1629 | 199.00 | 2983 | 296.00 | 3457 |
| 69.00 | 20888 | 129.00 | 9123 | 201.00 | 170 | 297.00 | 358 |
| 74.00 | 1931 | 130.00 | 870 | 204.00 | 1584 | 303.00 | 299 |
| 75.00 | 3027 | 134.00 | 169 | 205.00 | 2753 | 315.00 | 258 |
| 76.00 | 1185 | 135.00 | 903 | 206.00 | 11526 | 323.00 | 986 |
| 77.00 | 22400 | 137.00 | 250 | 207.00 | 1618 | 334.00 | 458 |
| 78.00 | 1599 | 141.00 | 1004 | 208.00 | 337 | 346.00 | 212 |
| 79.00 | 1423 | 142.00 | 203 | 210.00 | 170 | 352.00 | 239 |
| 80.00 | 1348 | 143.00 | 209 | 211.00 | 291 | 354.00 | 273 |
| 81.00 | 1636 | 147.00 | 635 | 216.00 | 218 | 365.00 | 1515 |
| 82.00 | 578 | 148.00 | 1128 | 217.00 | 3186 | 372.00 | 393 |
| 83.00 | 454 | 149.00 | 170 | 218.00 | 235 | 383.00 | 167 |
| 84.00 | 1391 | 153.00 | 365 | 221.00 | 1899 | 403.00 | 208 |
| 85.00 | 186 | 155.00 | 567 | 222.00 | 352 | 421.00 | 205 |
| 86.00 | 1234 | 156.00 | 965 | 223.00 | 708 | 423.00 | 1634 |
| 91.00 | 352 | 160.00 | 206 | 224.00 | 6457 | 424.00 | 268 |
| 92.00 | 387 | 161.00 | 631 | 225.00 | 1418 | 441.00 | 4271 |
| 93.00 | 2430 | 165.00 | 249 | 227.00 | 2687 | 442.00 | 28160 |
| 94.00 | 192 | 166.00 | 426 | 228.00 | 257 | 443.00 | 5226 |
| 98.00 | 1927 | 167.00 | 2228 | 229.00 | 369 | 444.00 | 305 |
| 99.00 | 1644 | 168.00 | 1216 | 231.00 | 175 | | |
| 101.00 | 869 | 174.00 | 262 | 242.00 | 310 | | |
| 103.00 | 179 | 175.00 | 728 | 243.00 | 346 | | |

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2616.d
Report Date: 25-Sep-2009 04:03

TestAmerica

Data file : /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2616.d
Lab Smp Id: DFTPP-61180
Inj Date  : 25-SEP-2009 03:29
Operator  : BNAMS3 Inst ID: BNAMS5.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp std bna4379
Comment   :
Method    : /chem/BNAMS5.i/8270/09-24-09/25sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 15:38 czhao Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

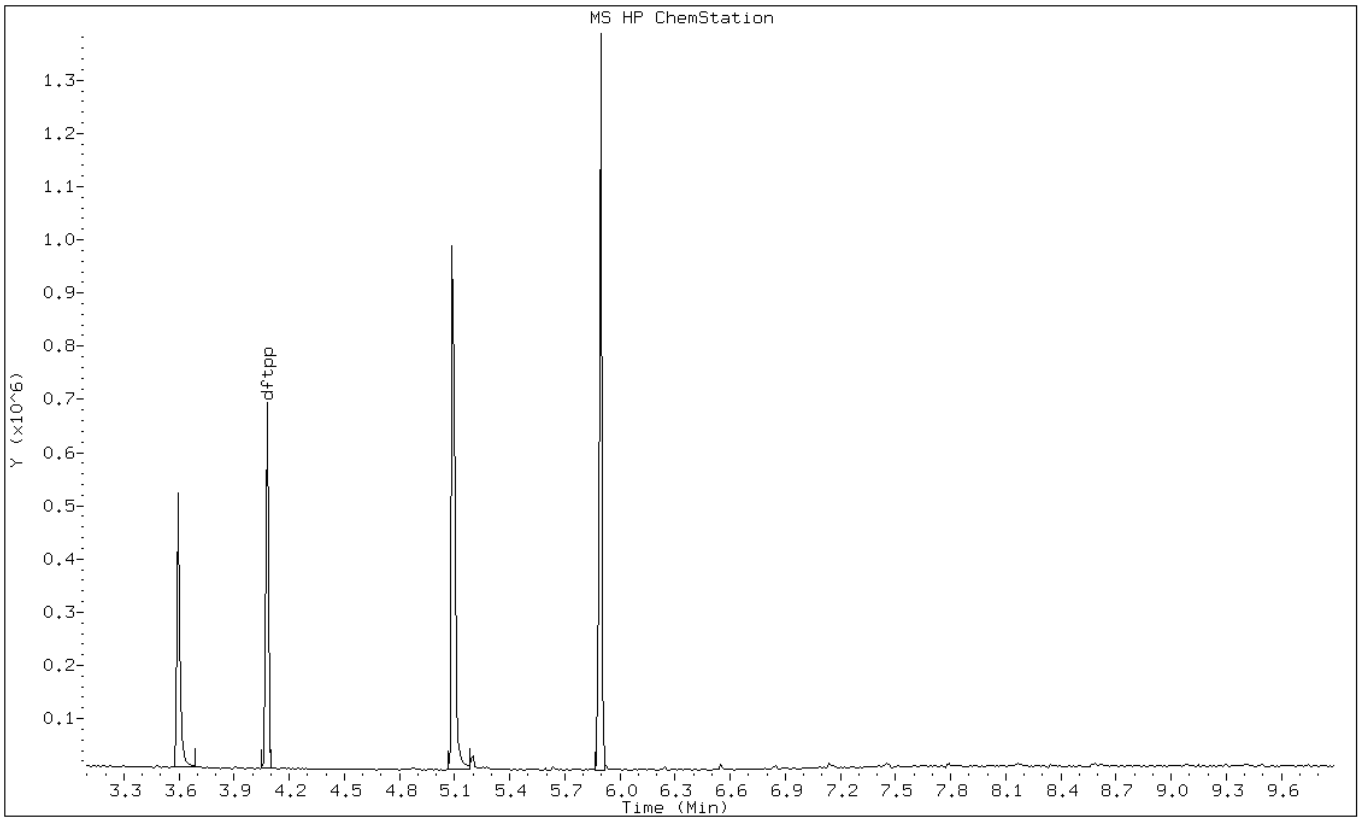
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 4.082 | 4.191 | -0.109 | 198 | 47637 | | | 0.00- 100.00 | 100.00 |
| 4.082 | 4.191 | -0.109 | 51 | 23193 | | | 30.00- 60.00 | 48.69 |
| 4.082 | 4.191 | -0.109 | 68 | 414 | | | 0.00- 2.00 | 1.98 |
| 4.082 | 4.191 | -0.109 | 69 | 20961 | | | 0.00- 0.00 | 44.00 |
| 4.082 | 4.191 | -0.109 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 4.082 | 4.191 | -0.109 | 127 | 23345 | | | 40.00- 60.00 | 49.01 |
| 4.082 | 4.191 | -0.109 | 197 | 375 | | | 0.00- 1.00 | 0.79 |
| 4.082 | 4.191 | -0.109 | 199 | 3188 | | | 5.00- 9.00 | 6.69 |
| 4.082 | 4.191 | -0.109 | 275 | 11542 | | | 10.00- 30.00 | 24.23 |
| 4.082 | 4.191 | -0.109 | 365 | 1663 | | | 1.00- 0.00 | 3.49 |
| 4.082 | 4.191 | -0.109 | 441 | 4925 | | | 0.01- 100.00 | 86.56 |
| 4.082 | 4.191 | -0.109 | 442 | 29916 | | | 40.00- 110.00 | 62.80 |
| 4.082 | 4.191 | -0.109 | 443 | 5690 | | | 17.00- 23.00 | 19.02 |

Data File: x2616.d

Date: 25-SEP-2009 03:29

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNAMS3



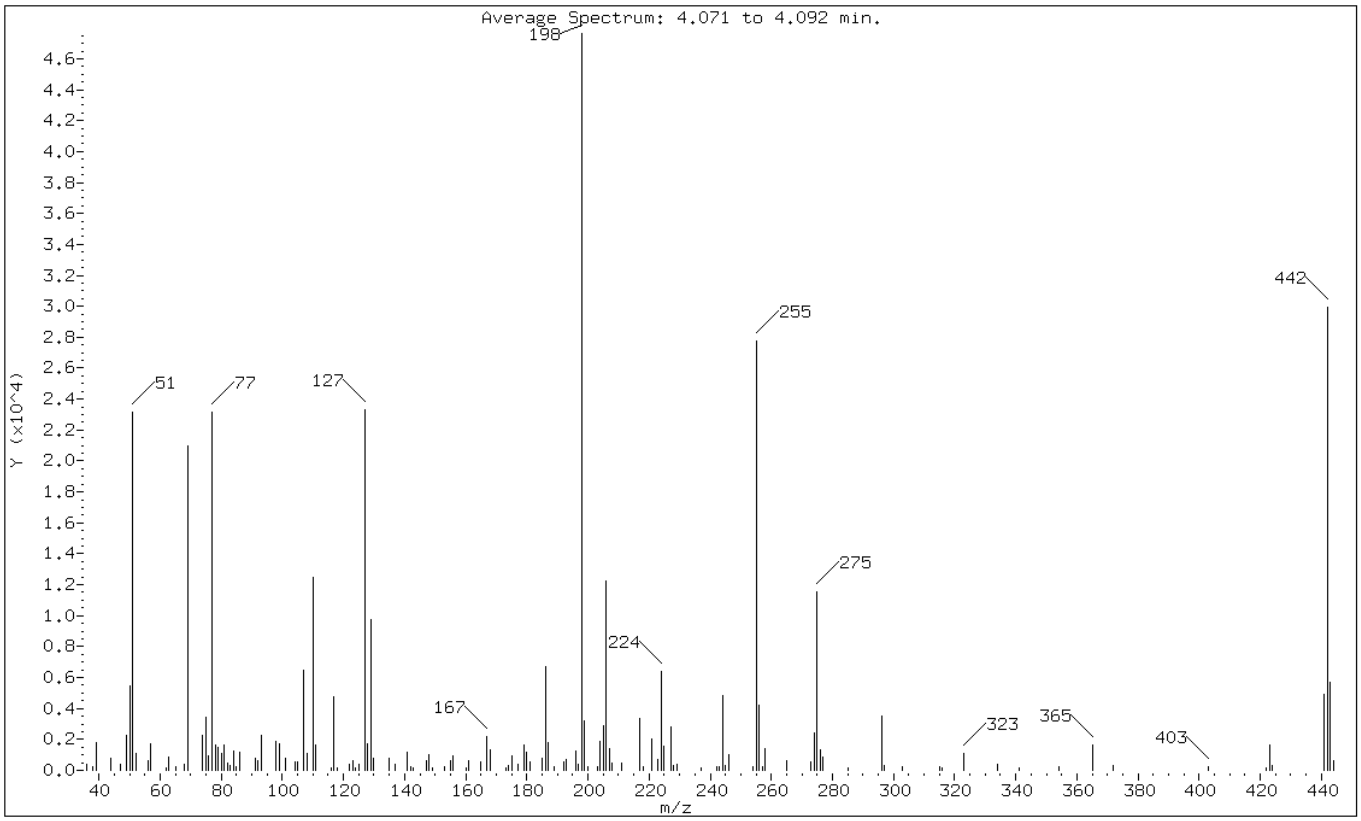
Data File: x2616.d

Date: 25-SEP-2009 03:29

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNAMS3

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 48.69 |
| 68 | Less than 2.00% of mass 69 | 0.87 ( 1.98) |
| 69 | Mass 69 relative abundance | 44.00 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 49.01 |
| 197 | Less than 1.00% of mass 198 | 0.79 |
| 199 | 5.00 - 9.00% of mass 198 | 6.69 |
| 275 | 10.00 - 30.00% of mass 198 | 24.23 |
| 365 | Greater than 1.00% of mass 198 | 3.49 |
| 441 | 0.01 - 100.00% of mass 443 | 10.34 ( 86.56) |
| 442 | 40.00 - 110.00% of mass 198 | 62.80 |
| 443 | 17.00 - 23.00% of mass 442 | 11.94 ( 19.02) |

Data File: x2616.d

Date: 25-SEP-2009 03:29

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNAMS3

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2616.d
Spectrum: Average Spectrum: 4.071 to 4.092 min.
Location of Maximum: 198.00
Number of points: 139

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 379 | 104.00 | 534 | 175.00 | 947 | 244.00 | 4811 |
| 38.00 | 212 | 105.00 | 540 | 177.00 | 396 | 245.00 | 344 |
| 39.00 | 1823 | 107.00 | 6458 | 179.00 | 1658 | 246.00 | 1051 |
| 44.00 | 806 | 108.00 | 1064 | 180.00 | 1172 | 254.00 | 252 |
| 47.00 | 356 | 110.00 | 12448 | 181.00 | 530 | 255.00 | 27720 |
| 49.00 | 2293 | 111.00 | 1635 | 185.00 | 795 | 256.00 | 4209 |
| 50.00 | 5438 | 116.00 | 184 | 186.00 | 6681 | 257.00 | 204 |
| 51.00 | 23192 | 117.00 | 4762 | 187.00 | 1793 | 258.00 | 1425 |
| 52.00 | 1078 | 118.00 | 180 | 189.00 | 232 | 265.00 | 603 |
| 56.00 | 642 | 122.00 | 414 | 192.00 | 534 | 273.00 | 536 |
| 57.00 | 1738 | 123.00 | 657 | 193.00 | 738 | 274.00 | 2388 |
| 62.00 | 182 | 124.00 | 183 | 196.00 | 1249 | 275.00 | 11542 |
| 63.00 | 874 | 125.00 | 387 | 197.00 | 375 | 276.00 | 1337 |
| 65.00 | 257 | 127.00 | 23344 | 198.00 | 47632 | 277.00 | 896 |
| 68.00 | 414 | 128.00 | 1707 | 199.00 | 3188 | 285.00 | 175 |
| 69.00 | 20960 | 129.00 | 9746 | 200.00 | 205 | 296.00 | 3495 |
| 74.00 | 2251 | 130.00 | 787 | 203.00 | 260 | 297.00 | 289 |
| 75.00 | 3457 | 135.00 | 757 | 204.00 | 1895 | 303.00 | 234 |
| 76.00 | 925 | 137.00 | 367 | 205.00 | 2850 | 315.00 | 254 |
| 77.00 | 23168 | 141.00 | 1151 | 206.00 | 12274 | 316.00 | 171 |
| 78.00 | 1611 | 142.00 | 216 | 207.00 | 1425 | 323.00 | 1073 |
| 79.00 | 1464 | 143.00 | 181 | 208.00 | 460 | 334.00 | 354 |
| 80.00 | 1118 | 147.00 | 597 | 211.00 | 448 | 341.00 | 171 |
| 81.00 | 1631 | 148.00 | 1049 | 217.00 | 3380 | 354.00 | 257 |
| 82.00 | 431 | 149.00 | 173 | 218.00 | 208 | 365.00 | 1663 |
| 83.00 | 285 | 153.00 | 229 | 221.00 | 2024 | 372.00 | 286 |
| 84.00 | 1286 | 155.00 | 649 | 223.00 | 692 | 403.00 | 216 |
| 85.00 | 224 | 156.00 | 916 | 224.00 | 6422 | 422.00 | 178 |
| 86.00 | 1186 | 160.00 | 176 | 225.00 | 1558 | 423.00 | 1663 |
| 91.00 | 806 | 161.00 | 615 | 227.00 | 2813 | 424.00 | 277 |
| 92.00 | 651 | 165.00 | 571 | 228.00 | 293 | 441.00 | 4925 |
| 93.00 | 2224 | 167.00 | 2188 | 229.00 | 426 | 442.00 | 29912 |
| 98.00 | 1853 | 168.00 | 1289 | 237.00 | 175 | 443.00 | 5690 |
| 99.00 | 1695 | 173.00 | 176 | 242.00 | 225 | 444.00 | 593 |
| 101.00 | 785 | 174.00 | 297 | 243.00 | 212 | | |

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2661.d
Report Date: 28-Sep-2009 11:58

TestAmerica

Data file : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2661.d
Lab Smp Id: DFTPP-61180
Inj Date  : 28-SEP-2009 11:55
Operator  : BNA2 Inst ID: BNAMS5.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp std bna4379
Comment   :
Method    : /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/BNADFTPP.m
Meth Date : 14-Sep-2009 15:38 czhao Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

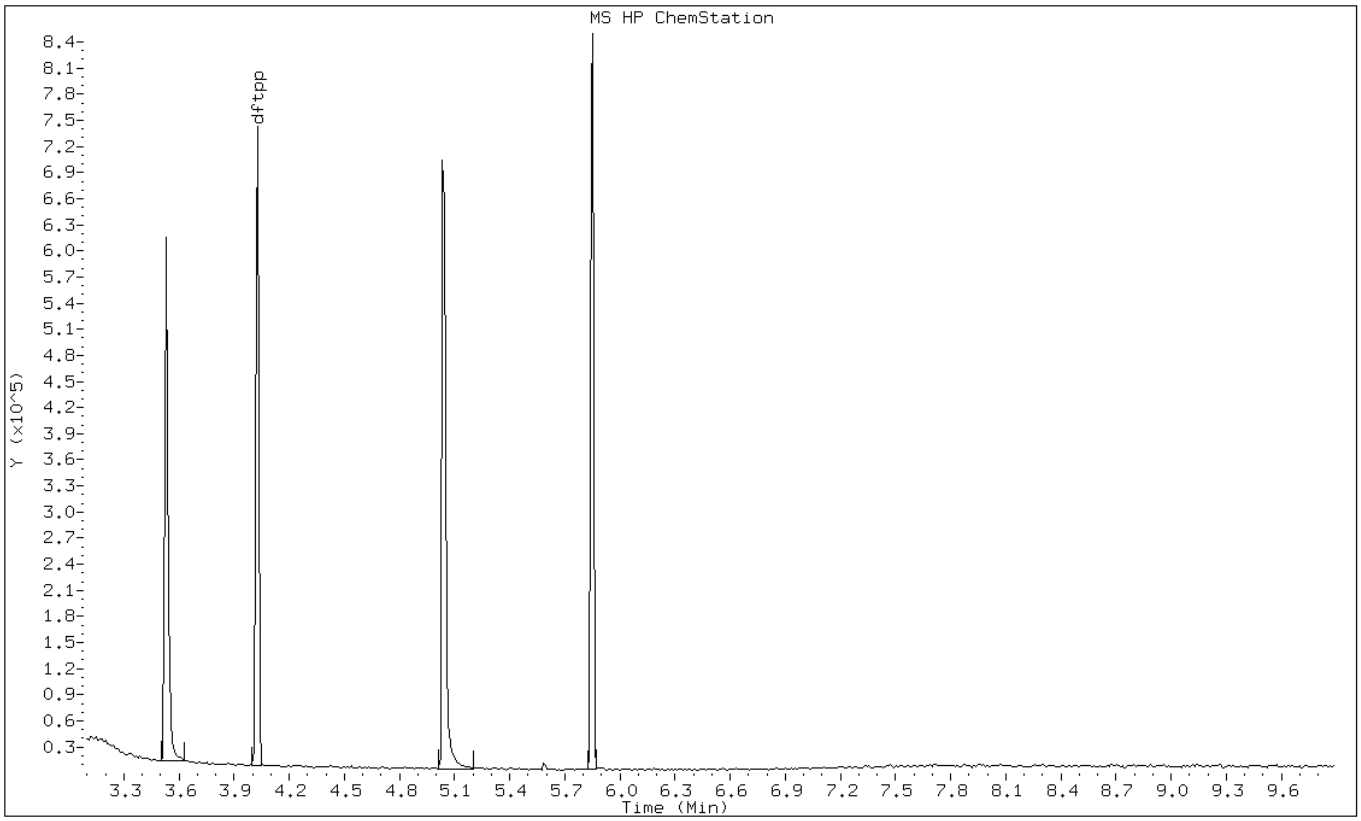
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 4.030 | 4.191 | -0.161 | 198 | 55076 | | | 0.00- 100.00 | 100.00 |
| 4.030 | 4.191 | -0.161 | 51 | 26650 | | | 30.00- 60.00 | 48.39 |
| 4.030 | 4.191 | -0.161 | 68 | 474 | | | 0.00- 2.00 | 1.91 |
| 4.030 | 4.191 | -0.161 | 69 | 24855 | | | 0.00- 0.00 | 45.13 |
| 4.030 | 4.191 | -0.161 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 4.030 | 4.191 | -0.161 | 127 | 27738 | | | 40.00- 60.00 | 50.36 |
| 4.030 | 4.191 | -0.161 | 197 | 286 | | | 0.00- 1.00 | 0.52 |
| 4.030 | 4.191 | -0.161 | 199 | 3500 | | | 5.00- 9.00 | 6.35 |
| 4.030 | 4.191 | -0.161 | 275 | 13628 | | | 10.00- 30.00 | 24.74 |
| 4.030 | 4.191 | -0.161 | 365 | 1855 | | | 1.00- 0.00 | 3.37 |
| 4.030 | 4.191 | -0.161 | 441 | 5192 | | | 0.01- 100.00 | 76.94 |
| 4.030 | 4.191 | -0.161 | 442 | 34911 | | | 40.00- 110.00 | 63.39 |
| 4.030 | 4.191 | -0.161 | 443 | 6748 | | | 17.00- 23.00 | 19.33 |

Data File: x2661.d

Date: 28-SEP-2009 11:55

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNA2



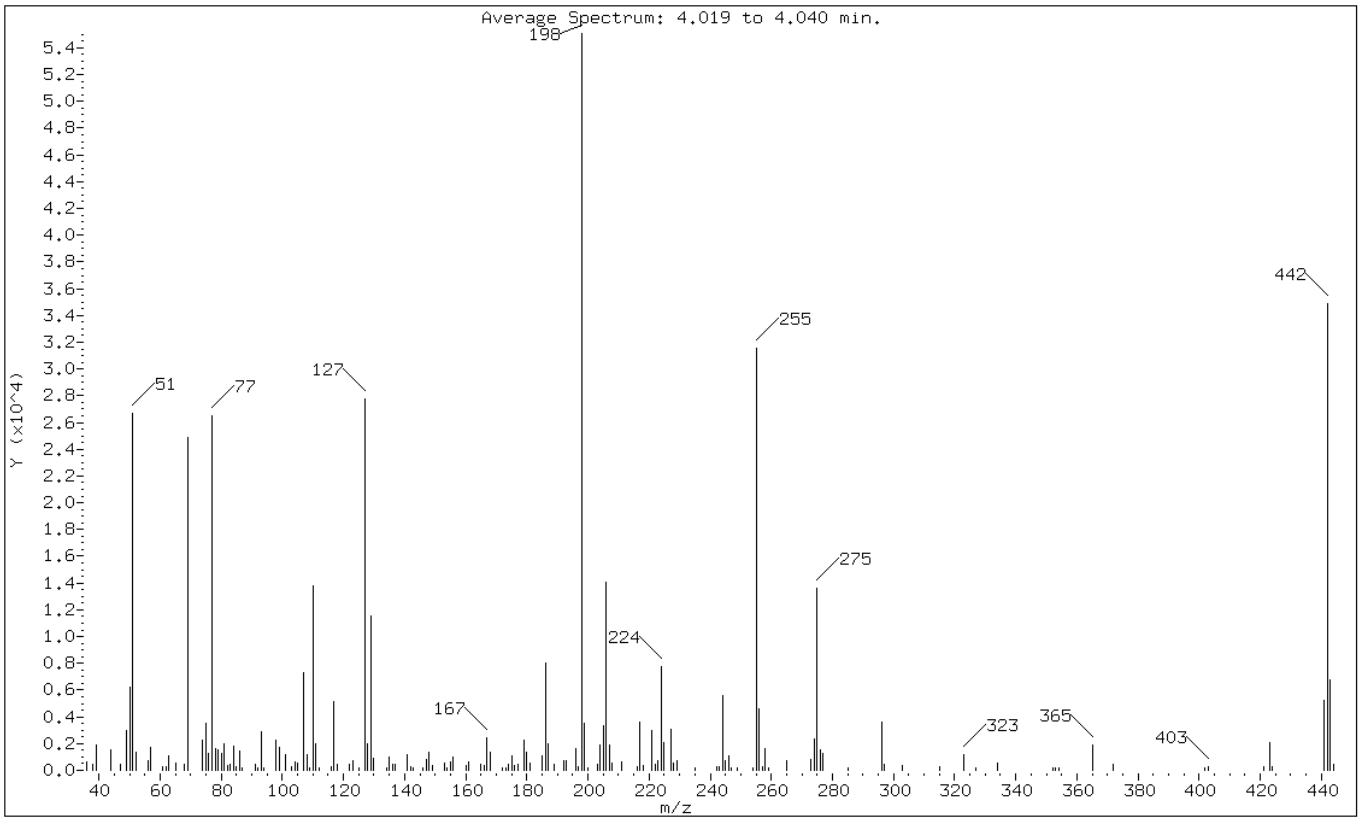
Data File: x2661.d

Date: 28-SEP-2009 11:55

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 48.39 |
| 68 | Less than 2.00% of mass 69 | 0.86 ( 1.91) |
| 69 | Mass 69 relative abundance | 45.13 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 50.36 |
| 197 | Less than 1.00% of mass 198 | 0.52 |
| 199 | 5.00 - 9.00% of mass 198 | 6.35 |
| 275 | 10.00 - 30.00% of mass 198 | 24.74 |
| 365 | Greater than 1.00% of mass 198 | 3.37 |
| 441 | 0.01 - 100.00% of mass 443 | 9.43 ( 76.94) |
| 442 | 40.00 - 110.00% of mass 198 | 63.39 |
| 443 | 17.00 - 23.00% of mass 442 | 12.25 ( 19.33) |

Data File: x2661.d

Date: 28-SEP-2009 11:55

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS5.i/8270/09-28-09/28sep09a.b/x2661.d
Spectrum: Average Spectrum: 4.019 to 4.040 min.
Location of Maximum: 198.00
Number of points: 158

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 646 | 105.00 | 576 | 174.00 | 494 | 245.00 | 714 |
| 38.00 | 427 | 107.00 | 7278 | 175.00 | 1086 | 246.00 | 1082 |
| 39.00 | 1931 | 108.00 | 1204 | 176.00 | 403 | 247.00 | 170 |
| 44.00 | 1500 | 109.00 | 174 | 177.00 | 492 | 249.00 | 173 |
| 47.00 | 443 | 110.00 | 13781 | 179.00 | 2283 | 254.00 | 176 |
| 49.00 | 2954 | 111.00 | 2004 | 180.00 | 1321 | 255.00 | 31504 |
| 50.00 | 6215 | 112.00 | 172 | 181.00 | 509 | 256.00 | 4640 |
| 51.00 | 26648 | 116.00 | 261 | 185.00 | 1072 | 257.00 | 234 |
| 52.00 | 1383 | 117.00 | 5100 | 186.00 | 8047 | 258.00 | 1626 |
| 56.00 | 710 | 118.00 | 437 | 187.00 | 1979 | 259.00 | 182 |
| 57.00 | 1717 | 122.00 | 462 | 189.00 | 487 | 265.00 | 709 |
| 61.00 | 228 | 123.00 | 753 | 192.00 | 708 | 273.00 | 781 |
| 62.00 | 242 | 125.00 | 184 | 193.00 | 761 | 274.00 | 2386 |
| 63.00 | 1054 | 127.00 | 27736 | 196.00 | 1615 | 275.00 | 13628 |
| 65.00 | 514 | 128.00 | 1980 | 197.00 | 286 | 276.00 | 1558 |
| 68.00 | 474 | 129.00 | 11536 | 198.00 | 55072 | 277.00 | 1252 |
| 69.00 | 24848 | 130.00 | 874 | 199.00 | 3500 | 285.00 | 187 |
| 74.00 | 2293 | 134.00 | 176 | 200.00 | 178 | 296.00 | 3588 |
| 75.00 | 3545 | 135.00 | 975 | 203.00 | 413 | 297.00 | 480 |
| 76.00 | 1291 | 136.00 | 410 | 204.00 | 1925 | 303.00 | 398 |
| 77.00 | 26504 | 137.00 | 431 | 205.00 | 3369 | 315.00 | 237 |
| 78.00 | 1584 | 141.00 | 1183 | 206.00 | 14025 | 323.00 | 1180 |
| 79.00 | 1521 | 142.00 | 232 | 207.00 | 1859 | 327.00 | 221 |
| 80.00 | 1270 | 143.00 | 182 | 208.00 | 564 | 334.00 | 507 |
| 81.00 | 1958 | 146.00 | 200 | 211.00 | 632 | 352.00 | 223 |
| 82.00 | 361 | 147.00 | 841 | 216.00 | 280 | 353.00 | 218 |
| 83.00 | 439 | 148.00 | 1389 | 217.00 | 3569 | 354.00 | 224 |
| 84.00 | 1843 | 149.00 | 350 | 218.00 | 345 | 365.00 | 1855 |
| 85.00 | 234 | 153.00 | 496 | 221.00 | 2987 | 372.00 | 441 |
| 86.00 | 1432 | 154.00 | 168 | 222.00 | 465 | 402.00 | 179 |
| 87.00 | 209 | 155.00 | 623 | 223.00 | 728 | 403.00 | 263 |
| 91.00 | 427 | 156.00 | 977 | 224.00 | 7743 | 421.00 | 239 |
| 92.00 | 221 | 160.00 | 402 | 225.00 | 2048 | 423.00 | 2029 |
| 93.00 | 2873 | 161.00 | 629 | 227.00 | 3043 | 424.00 | 268 |
| 94.00 | 175 | 165.00 | 476 | 228.00 | 543 | 441.00 | 5192 |
| 98.00 | 2237 | 166.00 | 322 | 229.00 | 683 | 442.00 | 34904 |
| 99.00 | 1673 | 167.00 | 2434 | 235.00 | 200 | 443.00 | 6748 |
| 101.00 | 1157 | 168.00 | 1334 | 242.00 | 230 | 444.00 | 421 |
| 103.00 | 230 | 172.00 | 191 | 243.00 | 291 | | |
| 104.00 | 646 | 173.00 | 166 | 244.00 | 5633 | | |

Data File: /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2716.D
Report Date: 29-Sep-2009 22:09

TestAmerica

Data file : /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2716.D
Lab Smp Id: DFTPP-61180
Inj Date : 29-SEP-2009 19:07
Operator : BNAMS3 Inst ID: BNAMS5.i
Smp Info : DFTPP-61180
Misc Info : 25 ppm dftpp std bna4379
Comment :
Method : /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/BNADFTPP.m
Meth Date : 14-Sep-2009 15:38 czhao Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: hpd1

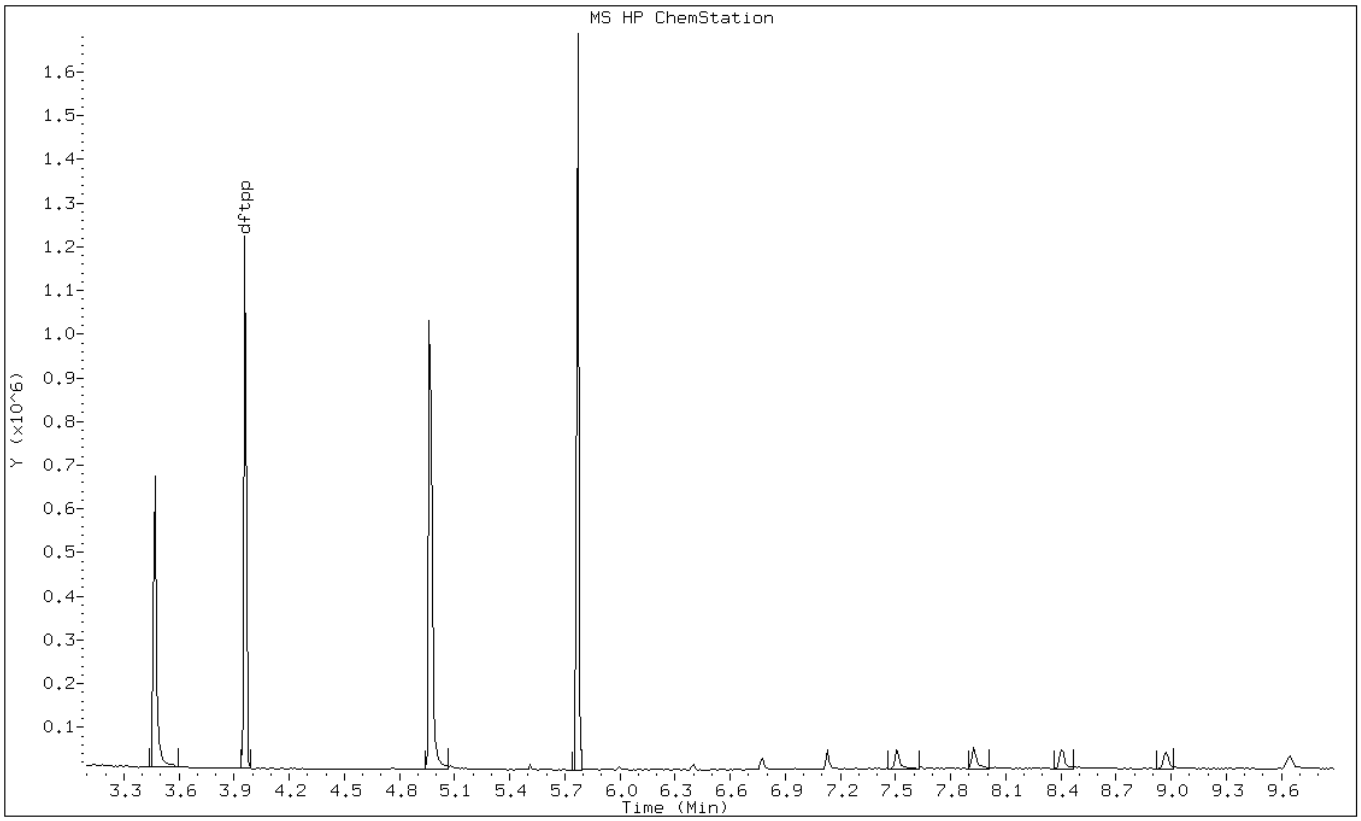
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 3.957 | 4.191 | -0.234 | 198 | 70115 | | | 0.00- 100.00 | 100.00 |
| 3.957 | 4.191 | -0.234 | 51 | 36573 | | | 30.00- 60.00 | 52.16 |
| 3.957 | 4.191 | -0.234 | 68 | 507 | | | 0.00- 2.00 | 1.49 |
| 3.957 | 4.191 | -0.234 | 69 | 34129 | | | 0.00- 0.00 | 48.68 |
| 3.957 | 4.191 | -0.234 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 3.957 | 4.191 | -0.234 | 127 | 37359 | | | 40.00- 60.00 | 53.28 |
| 3.957 | 4.191 | -0.234 | 197 | 618 | | | 0.00- 1.00 | 0.88 |
| 3.957 | 4.191 | -0.234 | 199 | 4787 | | | 5.00- 9.00 | 6.83 |
| 3.957 | 4.191 | -0.234 | 275 | 17423 | | | 10.00- 30.00 | 24.85 |
| 3.957 | 4.191 | -0.234 | 365 | 2133 | | | 1.00- 0.00 | 3.04 |
| 3.957 | 4.191 | -0.234 | 441 | 6728 | | | 0.01- 100.00 | 77.79 |
| 3.957 | 4.191 | -0.234 | 442 | 46732 | | | 40.00- 110.00 | 66.65 |
| 3.957 | 4.191 | -0.234 | 443 | 8649 | | | 17.00- 23.00 | 18.51 |

Data File: x2716.d

Date: 29-SEP-2009 19:07

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNAMS3



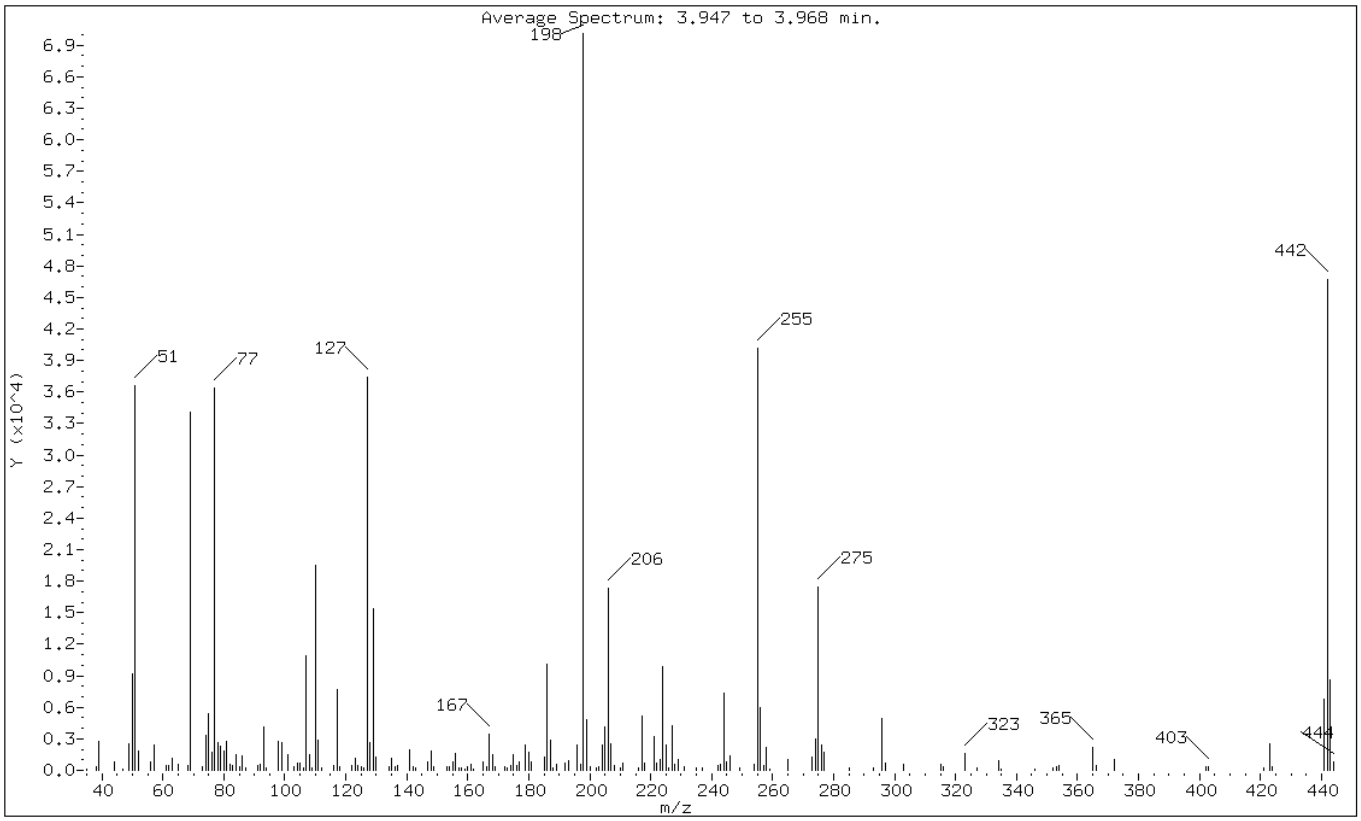
Data File: x2716.d

Date: 29-SEP-2009 19:07

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNAMS3

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 52.16 |
| 68 | Less than 2.00% of mass 69 | 0.72 ( 1.49) |
| 69 | Mass 69 relative abundance | 48.68 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 53.28 |
| 197 | Less than 1.00% of mass 198 | 0.88 |
| 199 | 5.00 - 9.00% of mass 198 | 6.83 |
| 275 | 10.00 - 30.00% of mass 198 | 24.85 |
| 365 | Greater than 1.00% of mass 198 | 3.04 |
| 441 | 0.01 - 100.00% of mass 443 | 9.60 ( 77.79) |
| 442 | 40.00 - 110.00% of mass 198 | 66.65 |
| 443 | 17.00 - 23.00% of mass 442 | 12.34 ( 18.51) |

Data File: x2716.d

Date: 29-SEP-2009 19:07

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-61180 Operator: BNAMS3

Data File: /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2716.d
Spectrum: Average Spectrum: 3.947 to 3.968 min.
Location of Maximum: 198.00
Number of points: 176

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 35.00 | 167 | 109.00 | 242 | 176.00 | 426 | 246.00 | 1331 |
| 38.00 | 377 | 110.00 | 19552 | 177.00 | 798 | 249.00 | 200 |
| 39.00 | 2769 | 111.00 | 2905 | 179.00 | 2433 | 254.00 | 566 |
| 44.00 | 756 | 112.00 | 276 | 180.00 | 1703 | 255.00 | 40136 |
| 47.00 | 169 | 116.00 | 433 | 181.00 | 800 | 256.00 | 5991 |
| 49.00 | 2496 | 117.00 | 7666 | 185.00 | 1308 | 257.00 | 405 |
| 50.00 | 9217 | 118.00 | 360 | 186.00 | 10064 | 258.00 | 2126 |
| 51.00 | 36568 | 122.00 | 425 | 187.00 | 2819 | 259.00 | 169 |
| 52.00 | 1876 | 123.00 | 1095 | 188.00 | 261 | 265.00 | 988 |
| 56.00 | 845 | 124.00 | 417 | 189.00 | 587 | 273.00 | 1214 |
| 57.00 | 2405 | 125.00 | 312 | 192.00 | 741 | 274.00 | 2936 |
| 61.00 | 455 | 126.00 | 232 | 193.00 | 942 | 275.00 | 17416 |
| 62.00 | 454 | 127.00 | 37352 | 196.00 | 2408 | 276.00 | 2368 |
| 63.00 | 1168 | 128.00 | 2594 | 197.00 | 618 | 277.00 | 1694 |
| 65.00 | 587 | 129.00 | 15414 | 198.00 | 70112 | 285.00 | 195 |
| 68.00 | 507 | 130.00 | 1247 | 199.00 | 4787 | 293.00 | 233 |
| 69.00 | 34128 | 134.00 | 317 | 200.00 | 298 | 296.00 | 4966 |
| 73.00 | 289 | 135.00 | 1164 | 202.00 | 284 | 297.00 | 645 |
| 74.00 | 3370 | 136.00 | 354 | 203.00 | 316 | 303.00 | 525 |
| 75.00 | 5364 | 137.00 | 492 | 204.00 | 2385 | 315.00 | 556 |
| 76.00 | 1747 | 141.00 | 1998 | 205.00 | 4129 | 316.00 | 369 |
| 77.00 | 36424 | 142.00 | 340 | 206.00 | 17328 | 323.00 | 1617 |
| 78.00 | 2616 | 143.00 | 286 | 207.00 | 2527 | 327.00 | 215 |
| 79.00 | 2341 | 147.00 | 831 | 208.00 | 461 | 334.00 | 876 |
| 80.00 | 1808 | 148.00 | 1861 | 210.00 | 204 | 335.00 | 170 |
| 81.00 | 2699 | 149.00 | 315 | 211.00 | 722 | 346.00 | 168 |
| 82.00 | 554 | 153.00 | 371 | 216.00 | 250 | 352.00 | 241 |
| 83.00 | 430 | 154.00 | 357 | 217.00 | 5146 | 353.00 | 355 |
| 84.00 | 1489 | 155.00 | 821 | 218.00 | 639 | 354.00 | 467 |
| 85.00 | 294 | 156.00 | 1611 | 221.00 | 3244 | 365.00 | 2133 |
| 86.00 | 1394 | 157.00 | 272 | 222.00 | 650 | 366.00 | 456 |
| 87.00 | 225 | 158.00 | 229 | 223.00 | 1015 | 372.00 | 977 |
| 91.00 | 453 | 159.00 | 170 | 224.00 | 9919 | 402.00 | 287 |
| 92.00 | 589 | 160.00 | 395 | 225.00 | 2433 | 403.00 | 325 |
| 93.00 | 4146 | 161.00 | 606 | 226.00 | 184 | 421.00 | 250 |
| 94.00 | 194 | 162.00 | 172 | 227.00 | 4296 | 423.00 | 2523 |
| 98.00 | 2729 | 165.00 | 845 | 228.00 | 536 | 424.00 | 400 |
| 99.00 | 2658 | 166.00 | 394 | 229.00 | 998 | 441.00 | 6728 |
| 101.00 | 1526 | 167.00 | 3398 | 231.00 | 307 | 442.00 | 46728 |
| 103.00 | 292 | 168.00 | 1489 | 235.00 | 181 | 443.00 | 8649 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 104.00 | 640 | 169.00 | 336 | 237.00 | 188 | 444.00 | 800 |
| 105.00 | 657 | 172.00 | 317 | 242.00 | 464 | | |
| 106.00 | 227 | 173.00 | 285 | 243.00 | 568 | | |
| 107.00 | 10875 | 174.00 | 460 | 244.00 | 7291 | | |
| 108.00 | 1513 | 175.00 | 1475 | 245.00 | 841 | | |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-17565/1-A

Matrix: Water | Lab File ID: z4092.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/22/2009 20:15

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 88 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 97 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 94 | 38-141 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4092.d
Report Date: 23-Sep-2009 12:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4092.d
Lab Smp Id: MB 460-17565/1-A
Inj Date : 22-SEP-2009 20:15
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : MB 460-17565/1-A
Misc Info : MB 460-17565/1-A
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom Quant Type: ISTD
Cal Date : 22-SEP-2009 15:25 Cal File: z4081.d
Als bottle: 14 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.698 | 1.651 | (0.395) | 877 | 0.14251 | 0.28(aH) |
| $ 16 2-Fluorophenol (SUR) | 112 | 3.034 | 3.028 | (0.705) | 326013 | 22.6952 | 45 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.940 | 3.957 | (0.915) | 242662 | 15.6073 | 31 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 424152 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.475 | 4.481 | (1.040) | 2786 | 0.17424 | 0.35(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.863 | 4.869 | (0.870) | 734824 | 48.5856 | 97 |
| * 80 Naphthalene-d8 | 136 | 5.586 | 5.592 | (1.000) | 1583283 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1237455 | 44.2482 | 88 |
| * 82 Acenaphthene-d10 | 164 | 7.339 | 7.345 | (1.000) | 785056 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.116 | 8.122 | (1.106) | 123658 | 44.8986 | 90 |
| * 83 Phenanthrene-d10 | 188 | 8.804 | 8.804 | (1.000) | 1025717 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.380 | 10.380 | (0.899) | 766251 | 46.8636 | 94 |
| * 81 Chrysene-d12 | 240 | 11.551 | 11.557 | (1.000) | 501658 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 286461 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4092.d
Report Date: 23-Sep-2009 12:39

QC Flag Legend

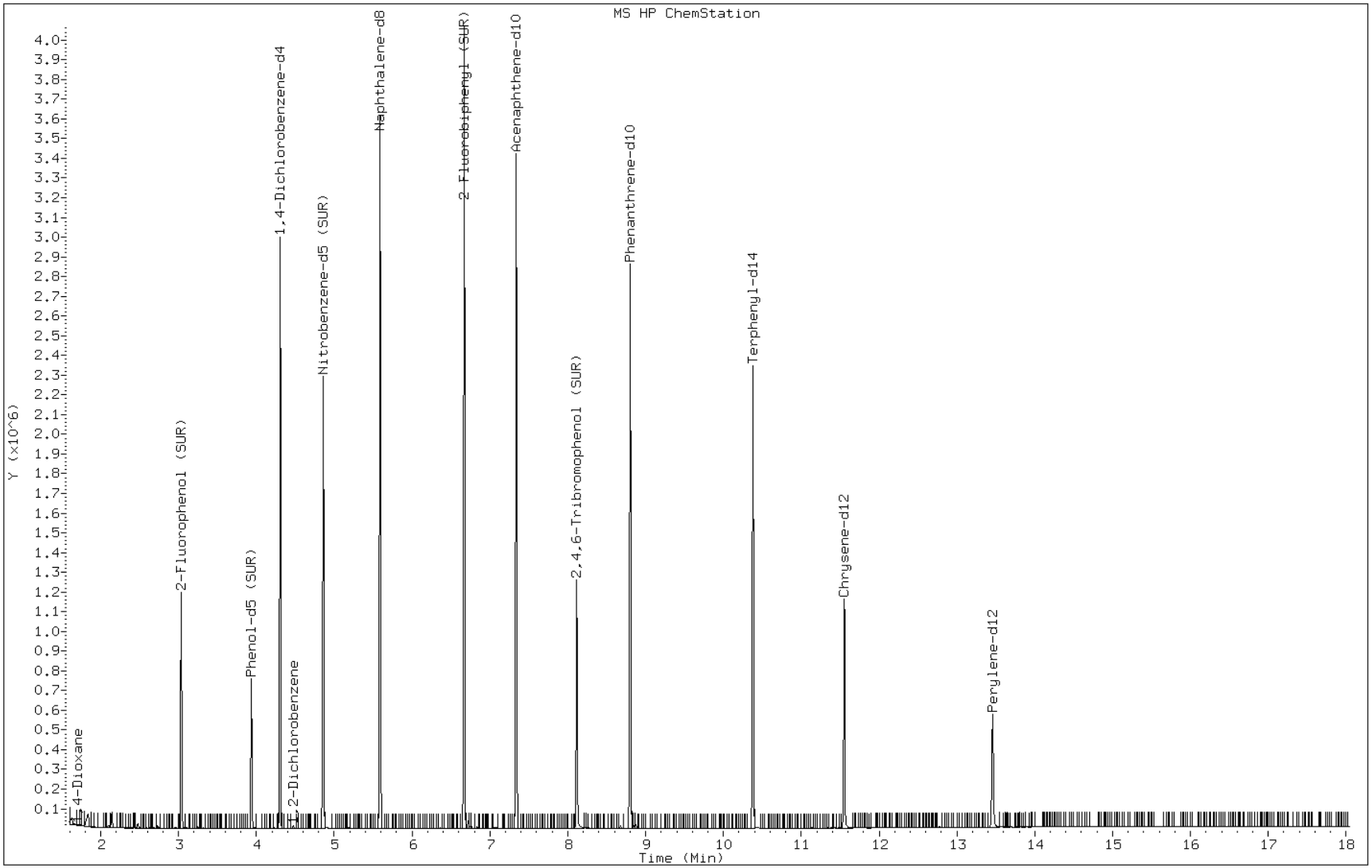
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z4092.d

Date: 22-SEP-2009 20:15

Client ID: Instrument: BNAMS11.i

Sample Info: MB 460-17565/1-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-17692/1-A

Matrix: Water | Lab File ID: x2623.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/23/2009 07:17

Sample wt/vol: 1000(mL) | Date Analyzed: 09/25/2009 06:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 18193 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 84 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 89 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 78 | 38-141 | |

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2623.d
Report Date: 28-Sep-2009 17:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2623.d
Lab Smp Id: MB 460-17692/1-A
Inj Date : 25-SEP-2009 06:24
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : MB 460-17692/1-A
Misc Info : MB 460-17692/1-A
Comment :
Method : /chem/BNAMS5.i/8270/09-24-09/25sep09.b/8270C_08SP.m
Meth Date : 25-Sep-2009 12:29 croccom Quant Type: ISTD
Cal Date : 25-SEP-2009 03:48 Cal File: x2617.d
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 16 2-Fluorophenol (SUR) | 112 | 2.360 | 2.360 | (0.655) | 768657 | 19.9067 | 40 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.254 | 3.278 | (0.904) | 556714 | 12.4230 | 25 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 3.601 | 3.607 | (1.000) | 1132515 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 3.778 | 3.778 | (1.049) | 5745 | 0.13132 | 0.26(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.172 | 4.184 | (0.851) | 1954361 | 44.4882 | 89 |
| * 80 Naphthalene-d8 | 136 | 4.901 | 4.907 | (1.000) | 4037770 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.001 | 6.007 | (0.903) | 2936889 | 42.0163 | 84 |
| * 82 Acenaphthene-d10 | 164 | 6.648 | 6.654 | (1.000) | 1863482 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 7.425 | 7.431 | (1.117) | 225328 | 38.1099 | 76 |
| * 83 Phenanthrene-d10 | 188 | 8.095 | 8.101 | (1.000) | 2155510 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 9.666 | 9.672 | (0.903) | 1193345 | 38.7891 | 78 |
| * 81 Chrysene-d12 | 240 | 10.707 | 10.713 | (1.000) | 1112291 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 12.413 | 12.418 | (1.000) | 741173 | 40.0000 | |
| 70 Benzo(g,h,i)perylene | 276 | 14.071 | 14.083 | (1.134) | 1841 | 0.10640 | 0.21(a) |

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2623.d
Report Date: 28-Sep-2009 17:28

QC Flag Legend

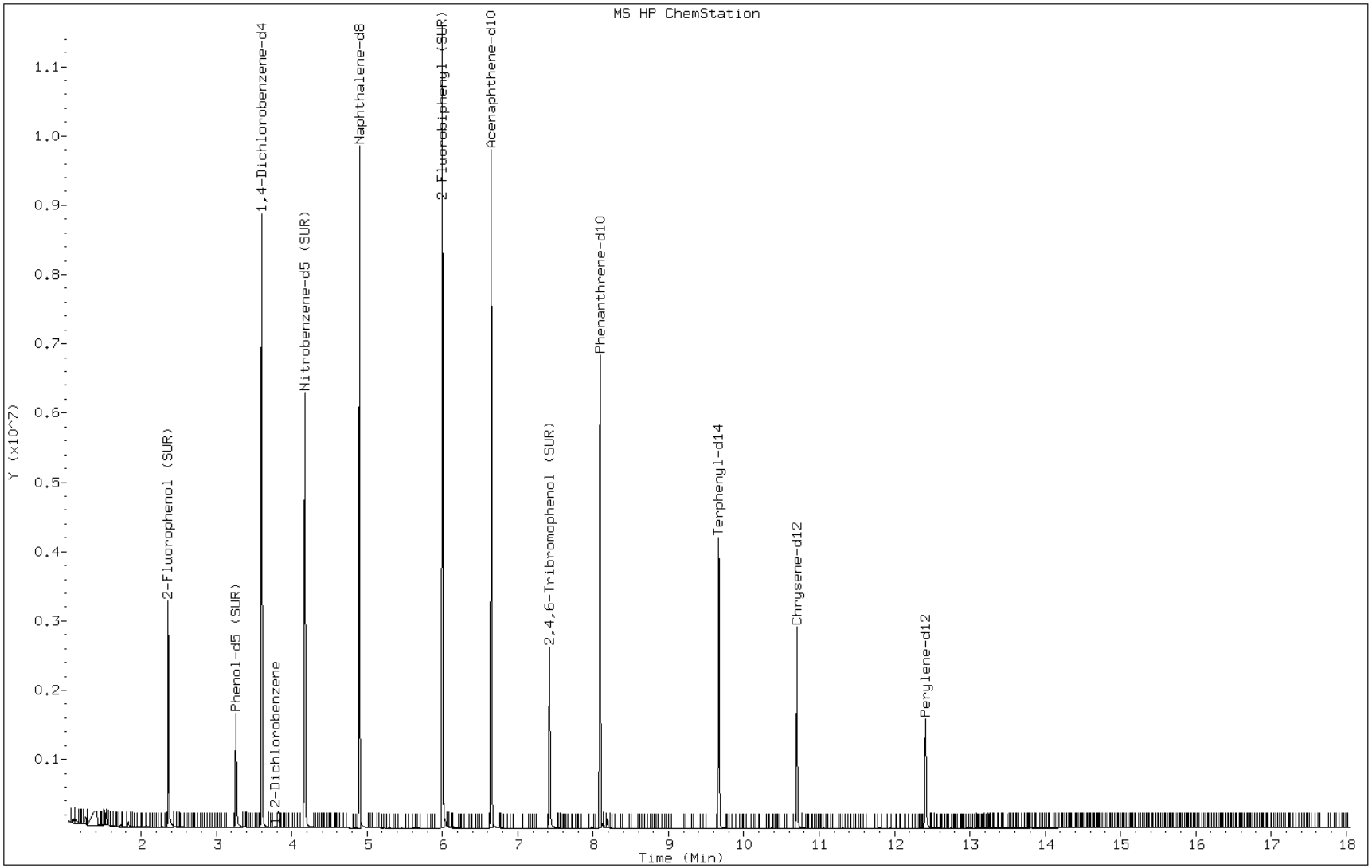
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: x2623.d

Date: 25-SEP-2009 06:24

Client ID: Instrument: BNAMS5.i

Sample Info: MB 460-17692/1-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-17565/2-A

Matrix: Water | Lab File ID: z4093.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/22/2009 20:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 74.0 | | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 87.2 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 93 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 99 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 89 | 38-141 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4093.d
Report Date: 23-Sep-2009 12:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4093.d
Lab Smp Id: LCS 460-17565/2-A
Inj Date : 22-SEP-2009 20:40
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : LCS 460-17565/2-A
Misc Info : LCS 460-17565/2-A
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom Quant Type: ISTD
Cal Date : 22-SEP-2009 15:25 Cal File: z4081.d
Als bottle: 15 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.687 | 1.651 | (0.392) | 152099 | 25.8363 | 52(H) |
| | 19 N-Nitrosodimethylamine | 74 | 1.911 | 1.881 | (0.444) | 209003 | 26.4064 | 53 |
| | 71 Pyridine | 79 | 1.940 | 1.910 | (0.451) | 369981 | 25.7199 | 51 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.040 | 3.028 | (0.706) | 326332 | 23.7478 | 47 |
| | 110 Benzaldehyde | 77 | 3.869 | 3.863 | (0.899) | 523521 | 190.837 | 380(AR) |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.946 | 3.957 | (0.917) | 223014 | 14.9942 | 30 |
| | 1 Phenol | 94 | 3.963 | 3.975 | (0.921) | 295073 | 18.2603 | 36 |
| | 73 Aniline | 93 | 3.981 | 3.981 | (0.925) | 720974 | 37.0013 | 74 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.040 | 4.045 | (0.938) | 660871 | 48.8997 | 98 |
| | 2 2-Chlorophenol | 128 | 4.104 | 4.104 | (0.954) | 604846 | 43.7621 | 88 |
| | 21 1,3-Dichlorobenzene | 146 | 4.252 | 4.257 | (0.988) | 716267 | 43.4846 | 87 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 405748 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.328 | 4.328 | (1.005) | 723582 | 44.3622 | 89 |
| | 74 Benzyl Alcohol | 108 | 4.452 | 4.457 | (1.034) | 321815 | 37.6066 | 75 |
| | 23 1,2-Dichlorobenzene | 146 | 4.481 | 4.481 | (1.041) | 689365 | 45.0705 | 90 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4093.d
Report Date: 23-Sep-2009 12:39

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.569 | 4.575 | (1.061) | 405173 | 36.7760 | 74 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.587 | 4.587 | (1.066) | 672067 | 48.3958 | 97 |
| | 104 Acetophenone | 105 | 4.716 | 4.722 | (1.096) | 861972 | 52.3169 | 100 |
| | 4 4-Methylphenol | 108 | 4.728 | 4.734 | (1.098) | 331188 | 30.9072 | 62 |
| | 124 3 & 4 methylphenol | 108 | 4.728 | 4.734 | (1.098) | 331188 | 30.8756 | 62 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.728 | 4.728 | (1.098) | 401890 | 51.1262 | 100 |
| | 26 Hexachloroethane | 117 | 4.816 | 4.822 | (1.119) | 276655 | 42.7625 | 86 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.869 | 4.869 | (0.871) | 677043 | 49.6681 | 99 |
| | 27 Nitrobenzene | 77 | 4.893 | 4.892 | (0.875) | 857693 | 48.0382 | 96 |
| | 107 N,N-Dimethylaniline | 120 | 4.893 | 4.898 | (1.137) | 880203 | 43.6222 | 87 |
| | 28 Isophorone | 82 | 5.134 | 5.134 | (0.918) | 1140213 | 50.3016 | 100 |
| | 5 2-Nitrophenol | 139 | 5.210 | 5.210 | (0.932) | 346109 | 49.3602 | 99 |
| | 6 2,4-Dimethylphenol | 122 | 5.263 | 5.263 | (0.941) | 475656 | 45.4220 | 91 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.351 | 5.351 | (0.957) | 687299 | 49.8017 | 100 |
| | 7 2,4-Dichlorophenol | 162 | 5.457 | 5.457 | (0.976) | 453206 | 48.1878 | 96 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.534 | 5.539 | (0.989) | 539001 | 46.5397 | 93 |
| * | 80 Naphthalene-d8 | 136 | 5.593 | 5.592 | (1.000) | 1426993 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.616 | 5.616 | (1.004) | 1727478 | 46.8605 | 94 |
| | 32 4-Chloroaniline | 127 | 5.669 | 5.669 | (1.014) | 669170 | 47.7428 | 95 |
| | 33 Hexachlorobutadiene | 225 | 5.746 | 5.745 | (1.027) | 312722 | 44.8075 | 90 |
| | 111 Caprolactam | 113 | 6.034 | 6.051 | (1.079) | 30558 | 10.7364 | 21 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.169 | 6.175 | (1.103) | 432050 | 45.5969 | 91 |
| | 34 2-Methylnaphthalene | 142 | 6.304 | 6.304 | (1.127) | 1068214 | 48.3786 | 97 |
| | 120 1-Methylnaphthalene | 142 | 6.398 | 6.404 | (1.144) | 12570 | 0.57522 | 1.2(a) |
| | 35 Hexachlorocyclopentadiene | 237 | 6.469 | 6.475 | (0.881) | 280062 | 38.2014 | 76 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.593 | 6.598 | (0.898) | 294178 | 48.9537 | 98 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.634 | 6.639 | (0.903) | 307109 | 49.7214 | 99 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1090613 | 46.4296 | 93 |
| | 102 Diphenyl | 154 | 6.775 | 6.775 | (0.922) | 1257380 | 49.4983 | 99 |
| | 36 2-Chloronaphthalene | 162 | 6.793 | 6.792 | (0.925) | 973260 | 48.9702 | 98 |
| | 103 Diphenyl Ether | 170 | 6.881 | 6.881 | (0.937) | 668439 | 48.6931 | 97 |
| | 37 2-Nitroaniline | 65 | 6.898 | 6.898 | (0.939) | 338907 | 56.1618 | 110 |
| | 38 Dimethylphthalate | 163 | 7.081 | 7.081 | (0.964) | 1015489 | 51.8756 | 100 |
| | 40 2,6-Dinitrotoluene | 165 | 7.140 | 7.139 | (0.972) | 229087 | 50.7096 | 100 |
| | 39 Acenaphthylene | 152 | 7.204 | 7.204 | (0.981) | 1500027 | 49.0871 | 98 |
| | 41 3-Nitroaniline | 138 | 7.304 | 7.304 | (0.994) | 224152 | 48.4866 | 97 |
| * | 82 Acenaphthene-d10 | 164 | 7.345 | 7.345 | (1.000) | 659391 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.375 | 7.375 | (1.004) | 865920 | 50.6978 | 100 |
| | 11 2,4-Dinitrophenol | 184 | 7.404 | 7.410 | (1.008) | 69517 | 36.4215 | 73 |
| | 12 4-Nitrophenol | 65 | 7.481 | 7.481 | (1.018) | 35839 | 12.5317 | 25(a) |
| | 44 2,4-Dinitrotoluene | 165 | 7.534 | 7.539 | (1.026) | 268494 | 51.5576 | 100 |
| | 43 Dibenzofuran | 168 | 7.545 | 7.545 | (1.027) | 1239873 | 50.2941 | 100 |
| | 45 Diethylphthalate | 149 | 7.781 | 7.780 | (1.059) | 954100 | 51.7459 | 100 |
| | 47 Fluorene | 166 | 7.887 | 7.886 | (1.074) | 938308 | 50.1568 | 100 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.881 | 7.886 | (1.073) | 467009 | 51.4822 | 100 |
| | 48 4-Nitroaniline | 138 | 7.910 | 7.910 | (1.077) | 195415 | 50.0523 | 100 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.940 | 7.939 | (0.902) | 113195 | 46.6131 | 93 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4093.d
Report Date: 23-Sep-2009 12:39

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 49 N-Nitrosodiphenylamine | 169 | 8.004 | 8.004 | (0.909) | 652080 | 54.8491 | 110 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.040 | 8.039 | (0.913) | 1078761 | 48.9737 | 98 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.122 | 8.122 | (1.106) | 110941 | 47.9579 | 96 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.363 | 8.363 | (0.950) | 257899 | 50.9576 | 100 |
| | 51 Hexachlorobenzene | 284 | 8.434 | 8.433 | (0.958) | 245640 | 49.9955 | 100 |
| | 112 Atrazine | 200 | 8.534 | 8.533 | (0.969) | 191299 | 49.4102 | 99 |
| | 14 Pentachlorophenol | 266 | 8.628 | 8.627 | (0.980) | 90531 | 39.8719 | 80 |
| * | 83 Phenanthrene-d10 | 188 | 8.804 | 8.804 | (1.000) | 797900 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.828 | 8.827 | (1.003) | 1116156 | 50.6421 | 100 |
| | 53 Anthracene | 178 | 8.881 | 8.880 | (1.009) | 1127917 | 49.8031 | 100 |
| | 54 Carbazole | 167 | 9.039 | 9.039 | (1.027) | 866124 | 49.4843 | 99 |
| | 55 Di-n-butylphthalate | 149 | 9.381 | 9.386 | (1.065) | 1183433 | 49.9186 | 100 |
| | 56 Fluoranthene | 202 | 9.998 | 9.998 | (1.136) | 875067 | 48.6885 | 97 |
| | 58 Benzidine | 184 | 10.122 | 10.127 | (1.150) | 113056 | 126.678 | 250(AR) |
| | 57 Pyrene | 202 | 10.222 | 10.222 | (0.884) | 851819 | 48.2622 | 96 |
| $ | 78 Terphenyl-d14 | 244 | 10.375 | 10.380 | (0.898) | 573858 | 44.4588 | 89 |
| | 59 Butylbenzylphthalate | 149 | 10.898 | 10.904 | (0.943) | 346187 | 50.2969 | 100 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.516 | 11.516 | (0.996) | 161429 | 64.8907 | 130(R) |
| | 61 Benzo(a)anthracene | 228 | 11.545 | 11.545 | (0.999) | 553306 | 52.1881 | 100 |
| * | 81 Chrysene-d12 | 240 | 11.557 | 11.557 | (1.000) | 396022 | 40.0000 | |
| | 62 Chrysene | 228 | 11.586 | 11.592 | (1.003) | 518496 | 51.7575 | 100 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.586 | 11.592 | (1.003) | 439422 | 51.2005 | 100 |
| | 64 Di-n-octylphthalate | 149 | 12.439 | 12.439 | (0.924) | 607014 | 49.6579 | 99 |
| | 65 Benzo(b)fluoranthene | 252 | 12.939 | 12.945 | (0.962) | 386403 | 47.1816 | 94 |
| | 66 Benzo(k)fluoranthene | 252 | 12.980 | 12.980 | (0.965) | 442047 | 53.6721 | 110 |
| | 67 Benzo(a)pyrene | 252 | 13.380 | 13.386 | (0.994) | 293411 | 43.5762 | 87 |
| * | 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 266754 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 14.957 | 14.957 | (1.111) | 310762 | 52.9401 | 100 |
| | 69 Dibenz(a,h)anthracene | 278 | 14.992 | 14.992 | (1.114) | 310316 | 53.0278 | 110 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.368 | 15.368 | (1.142) | 311310 | 52.9867 | 100 |

QC Flag Legend

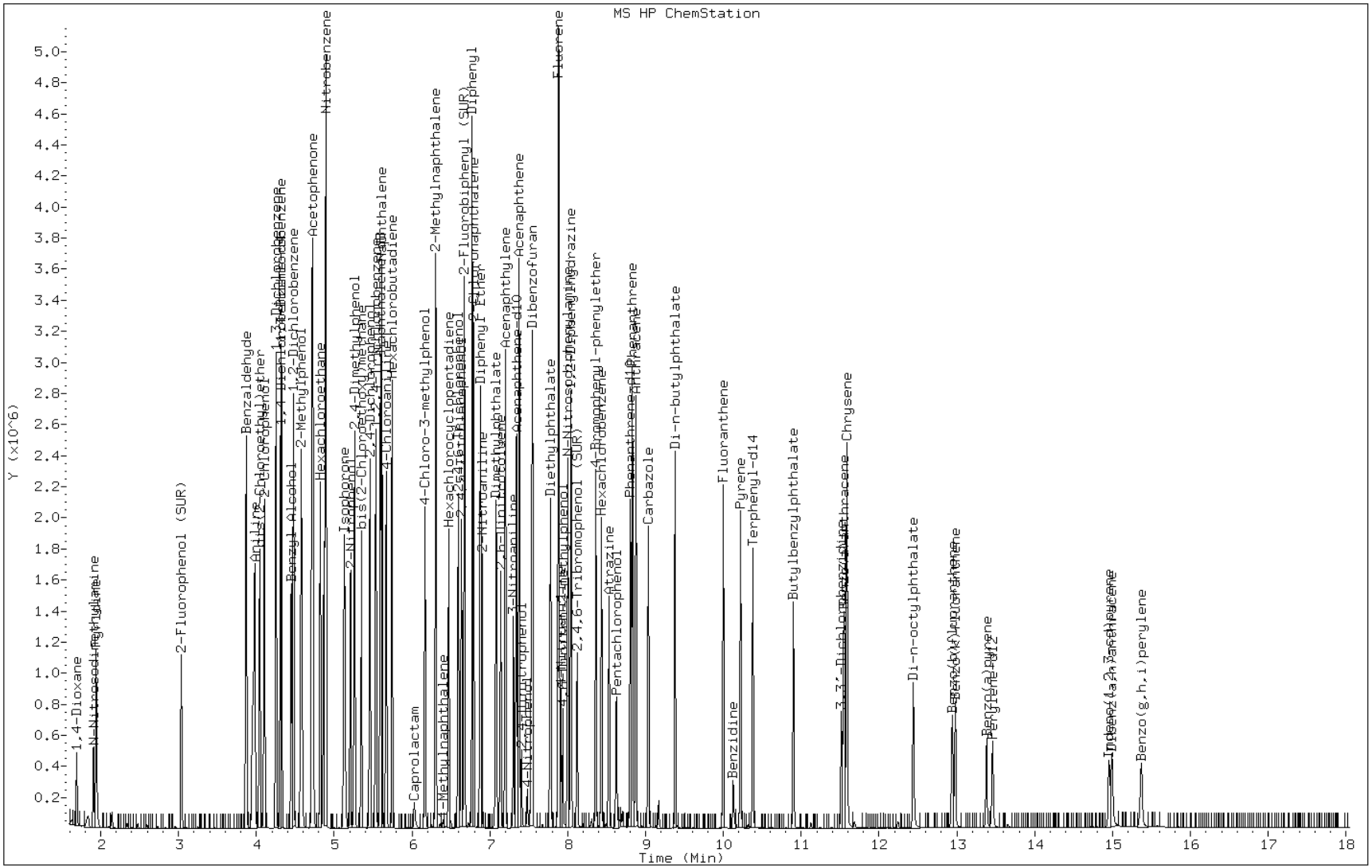
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: z4093.d

Date: 22-SEP-2009 20:40

Client ID: Instrument: BNAMS11.i

Sample Info: LCS 460-17565/2-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-17692/2-A

Matrix: Water | Lab File ID: x2624.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/23/2009 07:17

Sample wt/vol: 1000(mL) | Date Analyzed: 09/25/2009 06:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 18193 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 60.1 | | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 75.6 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 82 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 84 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 79 | 38-141 | |

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2624.d
Report Date: 27-Sep-2009 03:51

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2624.d
Lab Smp Id: LCS 460-17692/2-A
Inj Date : 25-SEP-2009 06:50
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : LCS 460-17692/2-A
Misc Info : LCS 460-17692/2-A
Comment :
Method : /chem/BNAMS5.i/8270/09-24-09/25sep09.b/8270C_08SP.m
Meth Date : 25-Sep-2009 12:29 croccom Quant Type: ISTD
Cal Date : 25-SEP-2009 03:48 Cal File: x2617.d
Als bottle: 9 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.143 | 1.131 | (0.317) | 323928 | 23.7640 | 48 |
| | 19 N-Nitrosodimethylamine | 74 | 1.331 | 1.325 | (0.369) | 480021 | 22.6090 | 45 |
| | 71 Pyridine | 79 | 1.354 | 1.343 | (0.375) | 774105 | 20.2254 | 40 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.360 | 2.360 | (0.654) | 666084 | 19.2469 | 38 |
| | 110 Benzaldehyde | 77 | 3.154 | 3.154 | (0.874) | 1179099 | 138.071 | 280(AR) |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.266 | 3.278 | (0.905) | 465728 | 11.5955 | 23 |
| | 1 Phenol | 94 | 3.278 | 3.296 | (0.909) | 620262 | 14.1530 | 28 |
| | 73 Aniline | 93 | 3.272 | 3.278 | (0.907) | 1632380 | 30.0376 | 60 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.348 | 3.354 | (0.928) | 1510664 | 40.1273 | 80 |
| | 2 2-Chlorophenol | 128 | 3.396 | 3.401 | (0.941) | 1214952 | 35.8520 | 72 |
| | 21 1,3-Dichlorobenzene | 146 | 3.548 | 3.548 | (0.984) | 1747613 | 41.5881 | 83 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.607 | 3.607 | (1.000) | 1015031 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.625 | 3.625 | (1.005) | 1745252 | 41.4462 | 83 |
| | 74 Benzyl Alcohol | 108 | 3.766 | 3.772 | (1.044) | 661707 | 31.9652 | 64 |
| | 23 1,2-Dichlorobenzene | 146 | 3.778 | 3.778 | (1.047) | 1607042 | 40.9852 | 82 |

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2624.d
Report Date: 27-Sep-2009 03:51

| | | QUANT SIG | | | | | CONCENTRATIONS ON-COLUMN | FINAL |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | ( ug/L) |
| | 3 2-Methylphenol | 108 | 3.901 | 3.913 | (1.082) | 859705 | 31.2192 | 62 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 3.907 | 3.907 | (1.083) | 2274901 | 41.7680 | 84 |
| | 4 4-Methylphenol | 108 | 4.066 | 4.072 | (1.127) | 714020 | 23.9361 | 48 |
| | 124 3 & 4 Methylphenol | 108 | 4.066 | 4.072 | (1.127) | 718491 | 24.0860 | 48(A) |
| | 104 Acetophenone | 105 | 4.031 | 4.043 | (1.117) | 1882207 | 42.5065 | 85 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.048 | 4.054 | (1.122) | 974397 | 43.0225 | 86 |
| | 26 Hexachloroethane | 117 | 4.119 | 4.119 | (1.142) | 690030 | 41.2133 | 82 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.178 | 4.184 | (0.852) | 1530132 | 42.0717 | 84 |
| | 27 Nitrobenzene | 77 | 4.201 | 4.207 | (0.857) | 2164040 | 41.7932 | 84 |
| | 107 N,N-Dimethylaniline | 120 | 4.207 | 4.213 | (1.166) | 1959536 | 37.8178 | 76 |
| | 28 Isophorone | 82 | 4.448 | 4.454 | (0.908) | 2480289 | 43.2227 | 86 |
| | 5 2-Nitrophenol | 139 | 4.525 | 4.525 | (0.923) | 629947 | 39.1691 | 78 |
| | 6 2,4-Dimethylphenol | 122 | 4.601 | 4.607 | (0.939) | 884146 | 37.4028 | 75 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 4.690 | 4.695 | (0.957) | 1485815 | 43.4085 | 87 |
| | 7 2,4-Dichlorophenol | 162 | 4.778 | 4.784 | (0.975) | 899039 | 42.0192 | 84 |
| | 30 1,2,4-Trichlorobenzene | 180 | 4.854 | 4.854 | (0.990) | 1175661 | 42.2058 | 84 |
| * | 80 Naphthalene-d8 | 136 | 4.901 | 4.907 | (1.000) | 3342875 | 40.0000 | |
| | 31 Naphthalene | 128 | 4.925 | 4.925 | (1.005) | 3789951 | 41.6243 | 83 |
| | 32 4-Chloroaniline | 127 | 4.995 | 5.001 | (1.019) | 1269735 | 40.9835 | 82 |
| | 33 Hexachlorobutadiene | 225 | 5.072 | 5.072 | (1.035) | 681998 | 42.2624 | 84 |
| | 111 Caprolactam | 113 | 5.348 | 5.384 | (1.091) | 42419 | 8.82092 | 18 |
| | 8 4-Chloro-3-methylphenol | 107 | 5.513 | 5.525 | (1.125) | 795356 | 39.3978 | 79 |
| | 34 2-Methylnaphthalene | 142 | 5.625 | 5.625 | (1.148) | 2182363 | 42.7836 | 86 |
| | 35 Hexachlorocyclopentadiene | 237 | 5.795 | 5.795 | (0.871) | 537983 | 35.4117 | 71 |
| | 9 2,4,6-Trichlorophenol | 196 | 5.919 | 5.925 | (0.890) | 576690 | 43.1996 | 86 |
| | 10 2,4,5-Trichlorophenol | 196 | 5.954 | 5.966 | (0.895) | 614364 | 45.3953 | 91 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.001 | 6.007 | (0.902) | 2215839 | 41.2066 | 82 |
| | 102 Diphenyl | 154 | 6.095 | 6.101 | (0.916) | 2534641 | 43.5402 | 87 |
| | 36 2-Chloronaphthalene | 162 | 6.107 | 6.107 | (0.918) | 2038101 | 43.4296 | 87 |
| | 103 Diphenyl Ether | 170 | 6.207 | 6.207 | (0.933) | 1323400 | 43.0506 | 86 |
| | 37 2-Nitroaniline | 65 | 6.219 | 6.225 | (0.935) | 730488 | 58.2483 | 120(R) |
| | 38 Dimethylphthalate | 163 | 6.425 | 6.425 | (0.966) | 1795631 | 43.0711 | 86 |
| | 40 2,6-Dinitrotoluene | 165 | 6.472 | 6.472 | (0.973) | 412672 | 45.6109 | 91 |
| | 39 Acenaphthylene | 152 | 6.507 | 6.513 | (0.978) | 2855785 | 44.0182 | 88 |
| | 41 3-Nitroaniline | 138 | 6.631 | 6.636 | (0.996) | 378173 | 42.5280 | 85 |
| * | 82 Acenaphthene-d10 | 164 | 6.654 | 6.654 | (1.000) | 1433596 | 40.0000 | |
| | 42 Acenaphthene | 154 | 6.684 | 6.684 | (1.004) | 1624588 | 42.1552 | 84 |
| | 11 2,4-Dinitrophenol | 184 | 6.731 | 6.736 | (1.011) | 108512 | 31.3213 | 63 |
| | 12 4-Nitrophenol | 65 | 6.831 | 6.836 | (1.027) | 49341 | 8.41706 | 17(a) |
| | 44 2,4-Dinitrotoluene | 165 | 6.860 | 6.866 | (1.031) | 477507 | 44.4780 | 89 |
| | 43 Dibenzofuran | 168 | 6.854 | 6.860 | (1.030) | 2391221 | 43.6671 | 87 |
| | 45 Diethylphthalate | 149 | 7.119 | 7.119 | (1.070) | 1603547 | 44.7331 | 89 |
| | 47 Fluorene | 166 | 7.189 | 7.189 | (1.080) | 1853124 | 43.8452 | 88 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.201 | 7.207 | (1.082) | 874553 | 43.7782 | 88 |
| | 48 4-Nitroaniline | 138 | 7.231 | 7.231 | (1.087) | 302498 | 46.6003 | 93 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.260 | 7.260 | (0.897) | 197408 | 43.4798 | 87 |
| | 49 N-Nitrosodiphenylamine | 169 | 7.325 | 7.325 | (0.905) | 1153708 | 48.6341 | 97 |

Data File: /chem/BNAMS5.i/8270/09-24-09/25sep09.b/x2624.d
Report Date: 27-Sep-2009 03:51

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 75 1,2-Diphenylhydrazine | 77 | 7.360 | 7.360 | (0.909) | 2272955 | 43.0646 | 86 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 7.425 | 7.431 | (1.116) | 189247 | 41.6054 | 83 |
| | 50 4-Bromophenyl-phenylether | 248 | 7.678 | 7.678 | (0.948) | 428120 | 44.2396 | 88 |
| | 51 Hexachlorobenzene | 284 | 7.731 | 7.736 | (0.955) | 397839 | 43.0052 | 86 |
| | 112 Atrazine | 200 | 7.866 | 7.872 | (0.972) | 313668 | 42.2285 | 84 |
| | 14 Pentachlorophenol | 266 | 7.931 | 7.931 | (0.980) | 172617 | 36.7293 | 73 |
| * | 83 Phenanthrene-d10 | 188 | 8.095 | 8.101 | (1.000) | 1536771 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.119 | 8.125 | (1.003) | 1940740 | 43.3007 | 87 |
| | 53 Anthracene | 178 | 8.166 | 8.172 | (1.009) | 1912005 | 43.2986 | 86 |
| | 54 Carbazole | 167 | 8.336 | 8.342 | (1.030) | 1552565 | 44.1218 | 88 |
| | 55 Di-n-butylphthalate | 149 | 8.713 | 8.719 | (1.076) | 1998153 | 43.6726 | 87 |
| | 56 Fluoranthene | 202 | 9.272 | 9.277 | (1.145) | 1583300 | 43.1581 | 86 |
| | 58 Benzidine | 184 | 9.430 | 9.430 | (1.165) | 29394 | 13.4304 | 27(R) |
| | 57 Pyrene | 202 | 9.489 | 9.495 | (0.886) | 1508800 | 42.7180 | 85 |
| $ | 78 Terphenyl-d14 | 244 | 9.666 | 9.672 | (0.903) | 924967 | 39.4704 | 79 |
| | 59 Butylbenzylphthalate | 149 | 10.166 | 10.172 | (0.949) | 607818 | 44.3115 | 89 |
| | 60 3,3'-Dichlorobenzidine | 252 | 10.695 | 10.695 | (0.999) | 299488 | 50.4084 | 100(R) |
| | 61 Benzo(a)anthracene | 228 | 10.695 | 10.701 | (0.999) | 1042001 | 44.5187 | 89 |
| * | 81 Chrysene-d12 | 240 | 10.707 | 10.713 | (1.000) | 847261 | 40.0000 | |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 10.801 | 10.801 | (1.009) | 772545 | 43.0236 | 86 |
| | 62 Chrysene | 228 | 10.736 | 10.742 | (1.003) | 965911 | 43.7622 | 88 |
| | 64 Di-n-octylphthalate | 149 | 11.560 | 11.566 | (0.931) | 1102326 | 40.7414 | 81 |
| | 65 Benzo(b)fluoranthene | 252 | 11.948 | 11.954 | (0.963) | 825903 | 45.6183 | 91 |
| | 66 Benzo(k)fluoranthene | 252 | 11.983 | 11.983 | (0.965) | 828395 | 40.8142 | 82 |
| | 67 Benzo(a)pyrene | 252 | 12.342 | 12.348 | (0.994) | 588860 | 36.4450 | 73 |
| * | 84 Perylene-d12 | 264 | 12.413 | 12.418 | (1.000) | 614912 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 13.754 | 13.760 | (1.108) | 599782 | 43.0624 | 86 |
| | 69 Dibenz(a,h)anthracene | 278 | 13.789 | 13.795 | (1.111) | 576282 | 41.5060 | 83 |
| | 70 Benzo(g,h,i)perylene | 276 | 14.077 | 14.083 | (1.134) | 656647 | 45.7412 | 91 |

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: x2624.d

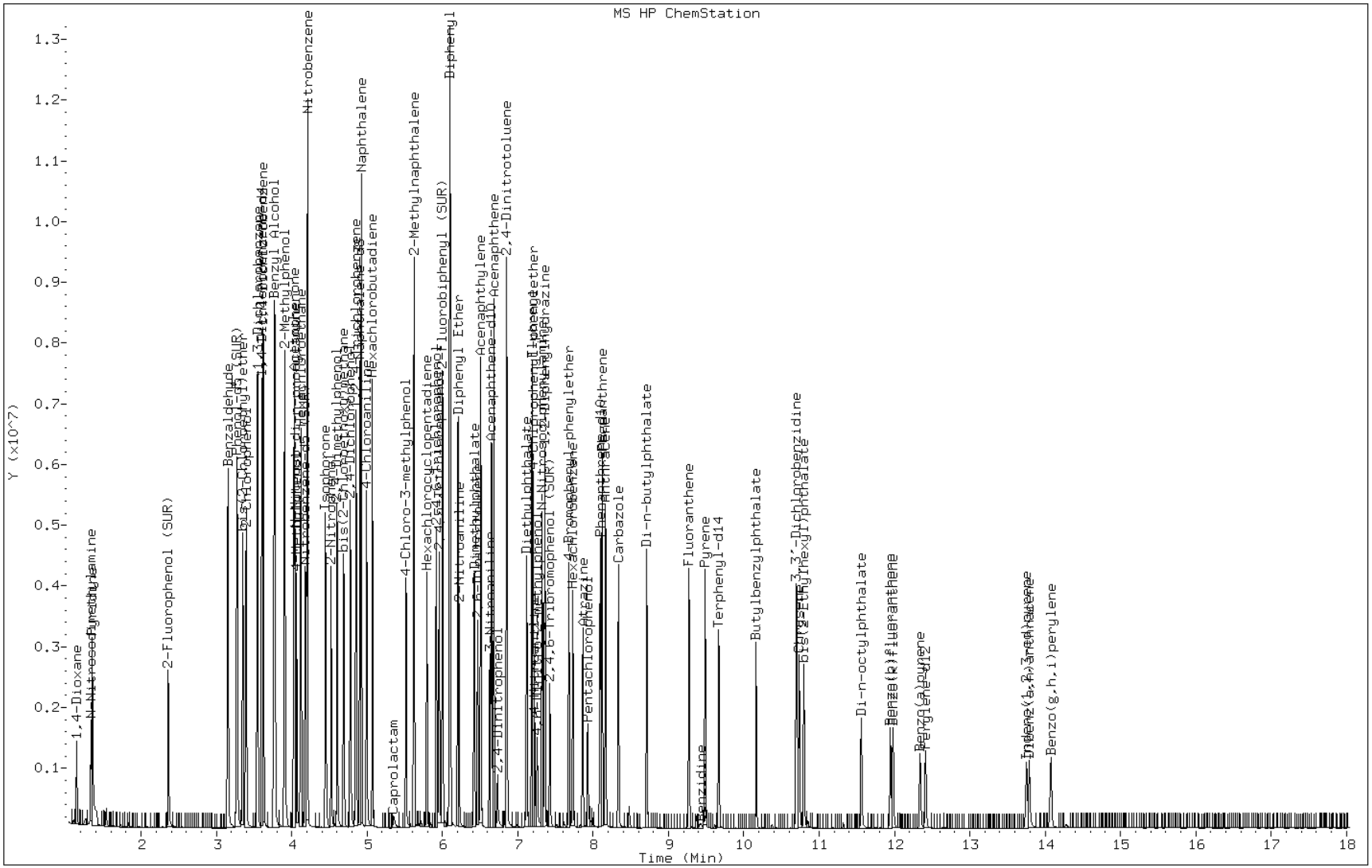
Date: 25-SEP-2009 06:50

Client ID:

Instrument: BNAMS5.i

Sample Info: LCS 460-17692/2-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-17565/3-A

Matrix: Water | Lab File ID: z4094.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/22/2009 21:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 66.7 | | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 81.7 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 90 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 94 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 83 | 38-141 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4094.d
Report Date: 23-Sep-2009 12:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4094.d
Lab Smp Id: LCSD 460-17565/3-A
Inj Date : 22-SEP-2009 21:05
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : LCSD 460-17565/3-A
Misc Info : LCSD 460-17565/3-A
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom Quant Type: ISTD
Cal Date : 22-SEP-2009 15:25 Cal File: z4081.d
Als bottle: 16 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.681 | 1.651 | (0.391) | 126118 | 22.4776 | 45(H) |
| | 19 N-Nitrosodimethylamine | 74 | 1.904 | 1.881 | (0.442) | 177953 | 23.5902 | 47 |
| | 71 Pyridine | 79 | 1.934 | 1.910 | (0.449) | 259175 | 18.9040 | 38 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.034 | 3.028 | (0.705) | 286781 | 21.8970 | 44 |
| | 110 Benzaldehyde | 77 | 3.869 | 3.863 | (0.899) | 489856 | 187.356 | 370(AR) |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.945 | 3.957 | (0.917) | 197238 | 13.9140 | 28 |
| | 1 Phenol | 94 | 3.957 | 3.975 | (0.919) | 263664 | 17.1198 | 34 |
| | 73 Aniline | 93 | 3.975 | 3.981 | (0.923) | 619252 | 33.3453 | 67 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.040 | 4.045 | (0.938) | 588830 | 45.7140 | 91 |
| | 2 2-Chlorophenol | 128 | 4.104 | 4.104 | (0.954) | 537926 | 40.8362 | 82 |
| | 21 1,3-Dichlorobenzene | 146 | 4.251 | 4.257 | (0.988) | 633595 | 40.3591 | 81 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 386711 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.322 | 4.328 | (1.004) | 641512 | 41.2667 | 82 |
| | 74 Benzyl Alcohol | 108 | 4.451 | 4.457 | (1.034) | 283735 | 34.7889 | 70 |
| | 23 1,2-Dichlorobenzene | 146 | 4.481 | 4.481 | (1.041) | 611785 | 41.9673 | 84 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4094.d
Report Date: 23-Sep-2009 12:39

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.569 | 4.575 | (1.061) | 361040 | 34.3834 | 69 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.587 | 4.587 | (1.066) | 609704 | 46.0664 | 92 |
| | 104 Acetophenone | 105 | 4.716 | 4.722 | (1.096) | 776934 | 49.4769 | 99 |
| | 4 4-Methylphenol | 108 | 4.728 | 4.734 | (1.098) | 297931 | 29.1723 | 58 |
| | 124 3 & 4 methylphenol | 108 | 4.728 | 4.734 | (1.098) | 297931 | 29.1425 | 58 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.722 | 4.728 | (1.097) | 367994 | 49.1187 | 98 |
| | 26 Hexachloroethane | 117 | 4.816 | 4.822 | (1.119) | 245220 | 39.7695 | 80 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.869 | 4.869 | (0.871) | 613976 | 46.8368 | 94 |
| | 27 Nitrobenzene | 77 | 4.892 | 4.892 | (0.875) | 776710 | 45.2365 | 90 |
| | 107 N,N-Dimethylaniline | 120 | 4.892 | 4.898 | (1.137) | 785673 | 40.8542 | 82 |
| | 28 Isophorone | 82 | 5.134 | 5.134 | (0.918) | 1027855 | 47.1523 | 94 |
| | 5 2-Nitrophenol | 139 | 5.210 | 5.210 | (0.932) | 312677 | 46.3698 | 93 |
| | 6 2,4-Dimethylphenol | 122 | 5.263 | 5.263 | (0.941) | 424457 | 42.1485 | 84 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.351 | 5.351 | (0.957) | 624581 | 47.0611 | 94 |
| | 7 2,4-Dichlorophenol | 162 | 5.457 | 5.457 | (0.976) | 410050 | 45.3370 | 91 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.534 | 5.539 | (0.989) | 482767 | 43.3457 | 87 |
| * | 80 Naphthalene-d8 | 136 | 5.592 | 5.592 | (1.000) | 1372294 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.616 | 5.616 | (1.004) | 1567745 | 44.2226 | 88 |
| | 32 4-Chloroaniline | 127 | 5.669 | 5.669 | (1.014) | 596542 | 44.2575 | 88 |
| | 33 Hexachlorobutadiene | 225 | 5.745 | 5.745 | (1.027) | 276822 | 41.2446 | 82 |
| | 111 Caprolactam | 113 | 6.028 | 6.051 | (1.078) | 25473 | 9.30658 | 19 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.169 | 6.175 | (1.103) | 386380 | 42.4025 | 85 |
| | 34 2-Methylnaphthalene | 142 | 6.304 | 6.304 | (1.127) | 967274 | 45.5532 | 91 |
| | 120 1-Methylnaphthalene | 142 | 6.398 | 6.404 | (1.144) | 10939 | 0.52054 | 1.0(a) |
| | 35 Hexachlorocyclopentadiene | 237 | 6.469 | 6.475 | (0.881) | 263958 | 37.9185 | 76 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.592 | 6.598 | (0.897) | 263882 | 46.2462 | 92 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.634 | 6.639 | (0.903) | 280160 | 47.7692 | 96 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1002268 | 44.9365 | 90 |
| | 102 Diphenyl | 154 | 6.775 | 6.775 | (0.922) | 1144961 | 47.4685 | 95 |
| | 36 2-Chloronaphthalene | 162 | 6.792 | 6.792 | (0.925) | 888275 | 47.0697 | 94 |
| | 103 Diphenyl Ether | 170 | 6.875 | 6.881 | (0.936) | 608173 | 46.6578 | 93 |
| | 37 2-Nitroaniline | 65 | 6.898 | 6.898 | (0.939) | 307546 | 53.6737 | 110 |
| | 38 Dimethylphthalate | 163 | 7.081 | 7.081 | (0.964) | 898481 | 48.3379 | 97 |
| | 40 2,6-Dinitrotoluene | 165 | 7.139 | 7.139 | (0.972) | 205937 | 48.0082 | 96 |
| | 39 Acenaphthylene | 152 | 7.198 | 7.204 | (0.980) | 1360590 | 46.8907 | 94 |
| | 41 3-Nitroaniline | 138 | 7.304 | 7.304 | (0.994) | 199890 | 45.5367 | 91 |
| * | 82 Acenaphthene-d10 | 164 | 7.345 | 7.345 | (1.000) | 626112 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.375 | 7.375 | (1.004) | 778711 | 48.0152 | 96 |
| | 11 2,4-Dinitrophenol | 184 | 7.404 | 7.410 | (1.008) | 60380 | 33.3158 | 67 |
| | 12 4-Nitrophenol | 65 | 7.481 | 7.481 | (1.018) | 30428 | 11.2052 | 22(a) |
| | 44 2,4-Dinitrotoluene | 165 | 7.533 | 7.539 | (1.026) | 236184 | 47.7639 | 96 |
| | 43 Dibenzofuran | 168 | 7.545 | 7.545 | (1.027) | 1104437 | 47.1815 | 94 |
| | 45 Diethylphthalate | 149 | 7.775 | 7.780 | (1.058) | 843810 | 48.1968 | 96 |
| | 47 Fluorene | 166 | 7.881 | 7.886 | (1.073) | 841337 | 47.3637 | 95 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.881 | 7.886 | (1.073) | 413883 | 48.0508 | 96 |
| | 48 4-Nitroaniline | 138 | 7.904 | 7.910 | (1.076) | 171567 | 46.2797 | 92 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.939 | 7.939 | (0.902) | 97632 | 43.4800 | 87 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4094.d
Report Date: 23-Sep-2009 12:39

| | | | QUANT SIG | | | | | CONCENTRATIONS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL ( ug/L) |
| | 49 | N-Nitrosodiphenylamine | 169 | 8.004 | 8.004 | (0.909) | 579720 | 52.7356 | 100 |
| | 75 | 1,2-Diphenylhydrazine | 77 | 8.039 | 8.039 | (0.913) | 958414 | 47.0552 | 94 |
| $ | 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.122 | 8.122 | (1.106) | 99100 | 45.1163 | 90 |
| | 50 | 4-Bromophenyl-phenylether | 248 | 8.363 | 8.363 | (0.950) | 229933 | 49.1335 | 98 |
| | 51 | Hexachlorobenzene | 284 | 8.433 | 8.433 | (0.958) | 216122 | 47.5716 | 95 |
| | 112 | Atrazine | 200 | 8.528 | 8.533 | (0.969) | 169193 | 47.2610 | 94 |
| | 14 | Pentachlorophenol | 266 | 8.628 | 8.627 | (0.980) | 80464 | 38.3255 | 77 |
| * | 83 | Phenanthrene-d10 | 188 | 8.804 | 8.804 | (1.000) | 737788 | 40.0000 | |
| | 52 | Phenanthrene | 178 | 8.828 | 8.827 | (1.003) | 982896 | 48.2293 | 96 |
| | 53 | Anthracene | 178 | 8.875 | 8.880 | (1.008) | 1001094 | 47.8047 | 96 |
| | 54 | Carbazole | 167 | 9.033 | 9.039 | (1.026) | 762168 | 47.0928 | 94 |
| | 55 | Di-n-butylphthalate | 149 | 9.380 | 9.386 | (1.065) | 1012162 | 46.1727 | 92 |
| | 56 | Fluoranthene | 202 | 9.998 | 9.998 | (1.136) | 767789 | 46.2002 | 92 |
| | 58 | Benzidine | 184 | 10.122 | 10.127 | (1.150) | 59358 | 71.9291 | 140(R) |
| | 57 | Pyrene | 202 | 10.222 | 10.222 | (0.884) | 737171 | 45.3058 | 91 |
| $ | 78 | Terphenyl-d14 | 244 | 10.374 | 10.380 | (0.898) | 496017 | 41.6845 | 83 |
| | 59 | Butylbenzylphthalate | 149 | 10.898 | 10.904 | (0.943) | 297733 | 46.9227 | 94 |
| | 60 | 3,3'-Dichlorobenzidine | 252 | 11.516 | 11.516 | (0.996) | 140979 | 61.4724 | 120(R) |
| | 61 | Benzo(a)anthracene | 228 | 11.539 | 11.545 | (0.998) | 476150 | 48.7164 | 97 |
| * | 81 | Chrysene-d12 | 240 | 11.557 | 11.557 | (1.000) | 365085 | 40.0000 | |
| | 62 | Chrysene | 228 | 11.586 | 11.592 | (1.003) | 446510 | 48.3486 | 97 |
| | 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.586 | 11.592 | (1.003) | 371356 | 46.9362 | 94 |
| | 64 | Di-n-octylphthalate | 149 | 12.439 | 12.439 | (0.924) | 505326 | 44.6653 | 89 |
| | 65 | Benzo(b)fluoranthene | 252 | 12.939 | 12.945 | (0.962) | 342269 | 45.1553 | 90 |
| | 66 | Benzo(k)fluoranthene | 252 | 12.974 | 12.980 | (0.964) | 374069 | 49.0729 | 98 |
| | 67 | Benzo(a)pyrene | 252 | 13.380 | 13.386 | (0.994) | 254844 | 40.8937 | 82 |
| * | 84 | Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 246889 | 40.0000 | |
| | 68 | Indeno(1,2,3-cd)pyrene | 276 | 14.957 | 14.957 | (1.111) | 275120 | 50.6394 | 100 |
| | 69 | Dibenz(a,h)anthracene | 278 | 14.992 | 14.992 | (1.114) | 267868 | 49.4572 | 99 |
| | 70 | Benzo(g,h,i)perylene | 276 | 15.368 | 15.368 | (1.142) | 275140 | 50.5984 | 100 |

QC Flag Legend

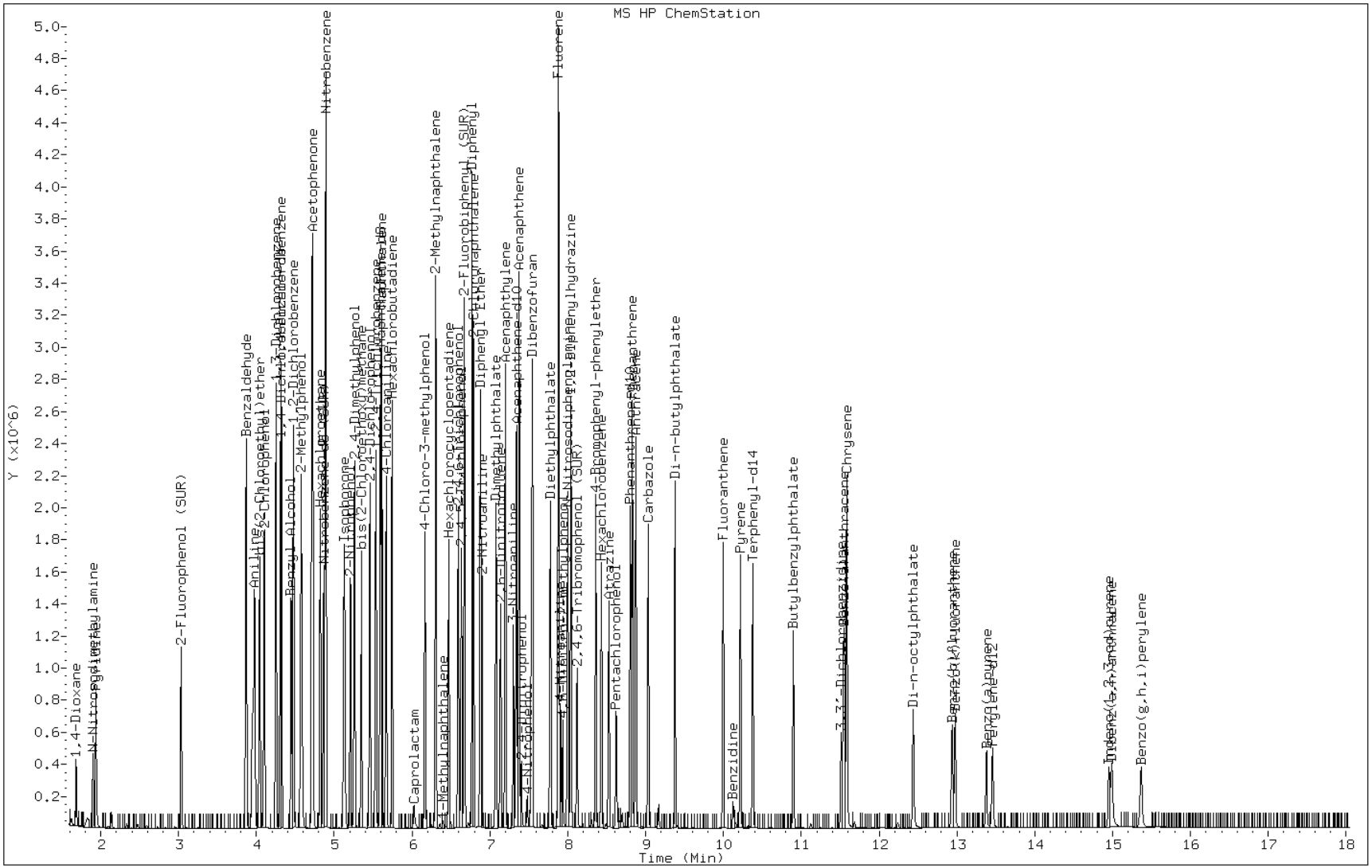
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: z4094.d

Date: 22-SEP-2009 21:05

Client ID: Instrument: BNAMS11.i

Sample Info: LCSD 460-17565/3-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-17692/3-A

Matrix: Water | Lab File ID: x2719.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/23/2009 07:17

Sample wt/vol: 1000(mL) | Date Analyzed: 09/29/2009 20:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 18382 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 55.7 | | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 71.2 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 85 | 64-119 | |
| 4165-60-0 | Nitrobenzene-d5 | 87 | 69-120 | |
| 1718-51-0 | Terphenyl-d14 | 81 | 38-141 | |

Data File: /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2719.d
Report Date: 30-Sep-2009 09:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2719.d
Lab Smp Id: LCSD 460-17692/3-A
Inj Date : 29-SEP-2009 20:38
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : LCSD 460-17692/3-A
Misc Info :
Comment :
Method : /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/8270C_08SP.m
Meth Date : 29-Sep-2009 21:35 wahied Quant Type: ISTD
Cal Date : 29-SEP-2009 19:22 Cal File: x2717.D
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.063 | 1.051 | (0.305) | 318398 | 22.4439 | 45 |
| | 19 N-Nitrosodimethylamine | 74 | 1.246 | 1.251 | (0.358) | 440467 | 21.0824 | 42 |
| | 71 Pyridine | 79 | 1.263 | 1.263 | (0.363) | 613615 | 17.0348 | 34 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 2.246 | 2.251 | (0.645) | 540770 | 17.1604 | 34 |
| | 110 Benzaldehyde | 77 | 3.028 | 3.034 | (0.870) | 1024072 | 84.9895 | 170 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.146 | 3.169 | (0.904) | 400966 | 11.1566 | 22 |
| | 1 Phenol | 94 | 3.157 | 3.181 | (0.907) | 542042 | 13.7273 | 27 |
| | 73 Aniline | 93 | 3.146 | 3.157 | (0.904) | 1331962 | 27.8740 | 56 |
| | 20 bis(2-Chloroethyl)ether | 93 | 3.228 | 3.240 | (0.927) | 1340790 | 40.1196 | 80 |
| | 2 2-Chlorophenol | 128 | 3.269 | 3.281 | (0.939) | 1070195 | 35.5519 | 71 |
| | 21 1,3-Dichlorobenzene | 146 | 3.422 | 3.428 | (0.983) | 1501329 | 42.0466 | 84 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 3.481 | 3.487 | (1.000) | 867822 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 3.498 | 3.504 | (1.005) | 1521046 | 42.3837 | 85 |
| | 74 Benzyl Alcohol | 108 | 3.651 | 3.663 | (1.049) | 560818 | 33.5477 | 67 |
| | 23 1,2-Dichlorobenzene | 146 | 3.657 | 3.657 | (1.051) | 1410341 | 41.5606 | 83 |

Data File: /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2719.d
Report Date: 30-Sep-2009 09:58

| | | QUANT SIG | | | | | CONCENTRATIONS ON-COLUMN | FINAL |
|---|---|---|---|---|---|---|---|---|
| Compounds | | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | ( ug/L) |
| | 3 2-Methylphenol | 108 | 3.787 | 3.804 | (1.088) | 760762 | 30.5435 | 61 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 3.793 | 3.798 | (1.090) | 1976942 | 44.7736 | 90 |
| | 4 4-Methylphenol | 108 | 3.951 | 3.969 | (1.135) | 648534 | 24.6298 | 49 |
| | 124 3 & 4 Methylphenol | 108 | 3.951 | 3.969 | (1.135) | 653418 | 24.8153 | 50(A) |
| | 104 Acetophenone | 105 | 3.916 | 3.934 | (1.125) | 1729207 | 42.8751 | 86 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 3.934 | 3.951 | (1.130) | 922226 | 47.2336 | 94 |
| | 26 Hexachloroethane | 117 | 3.998 | 4.004 | (1.149) | 594525 | 42.5343 | 85 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.063 | 4.075 | (0.848) | 1424706 | 43.4812 | 87 |
| | 27 Nitrobenzene | 77 | 4.087 | 4.098 | (0.853) | 1930786 | 41.6935 | 83 |
| | 107 N,N-Dimethylaniline | 120 | 4.093 | 4.104 | (1.176) | 1625372 | 35.6122 | 71 |
| | 28 Isophorone | 82 | 4.340 | 4.351 | (0.905) | 2369265 | 44.9345 | 90 |
| | 5 2-Nitrophenol | 139 | 4.410 | 4.416 | (0.920) | 602389 | 42.0131 | 84 |
| | 6 2,4-Dimethylphenol | 122 | 4.493 | 4.504 | (0.937) | 734167 | 34.5870 | 69 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 4.581 | 4.592 | (0.956) | 1411124 | 45.9197 | 92 |
| | 15 Benzoic Acid | 122 | 4.740 | 4.692 | (0.989) | 7172 | 0.92133 | 1.8(aH) |
| | 7 2,4-Dichlorophenol | 162 | 4.669 | 4.675 | (0.974) | 846761 | 41.5550 | 83 |
| | 30 1,2,4-Trichlorobenzene | 180 | 4.740 | 4.745 | (0.989) | 1093823 | 43.3906 | 87 |
| * | 80 Naphthalene-d8 | 136 | 4.793 | 4.792 | (1.000) | 3077536 | 40.0000 | |
| | 31 Naphthalene | 128 | 4.810 | 4.816 | (1.004) | 3500169 | 42.1633 | 84 |
| | 32 4-Chloroaniline | 127 | 4.887 | 4.892 | (1.020) | 1169218 | 40.9238 | 82 |
| | 33 Hexachlorobutadiene | 225 | 4.963 | 4.963 | (1.036) | 627731 | 43.4462 | 87 |
| | 111 Caprolactam | 113 | 5.245 | 5.292 | (1.095) | 43023 | 8.42348 | 17(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 5.410 | 5.428 | (1.129) | 779338 | 38.8071 | 78 |
| | 34 2-Methylnaphthalene | 142 | 5.516 | 5.516 | (1.151) | 2157570 | 44.9139 | 90 |
| | 35 Hexachlorocyclopentadiene | 237 | 5.687 | 5.686 | (0.870) | 388236 | 28.9366 | 58 |
| | 9 2,4,6-Trichlorophenol | 196 | 5.810 | 5.822 | (0.888) | 584774 | 40.1483 | 80 |
| | 10 2,4,5-Trichlorophenol | 196 | 5.845 | 5.857 | (0.894) | 613142 | 44.4175 | 89 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 5.898 | 5.898 | (0.902) | 2261496 | 42.3589 | 85 |
| | 102 Diphenyl | 154 | 5.987 | 5.992 | (0.915) | 2582067 | 44.5878 | 89 |
| | 36 2-Chloronaphthalene | 162 | 5.992 | 5.998 | (0.916) | 2038060 | 44.1983 | 88 |
| | 103 Diphenyl Ether | 170 | 6.098 | 6.098 | (0.933) | 1318608 | 42.3017 | 85 |
| | 37 2-Nitroaniline | 65 | 6.116 | 6.122 | (0.935) | 738655 | 53.6246 | 110 |
| | 38 Dimethylphthalate | 163 | 6.322 | 6.322 | (0.967) | 1972055 | 45.3832 | 91 |
| | 40 2,6-Dinitrotoluene | 165 | 6.363 | 6.375 | (0.973) | 438330 | 44.7620 | 90 |
| | 39 Acenaphthylene | 152 | 6.398 | 6.404 | (0.978) | 2841685 | 42.8658 | 86 |
| | 41 3-Nitroaniline | 138 | 6.522 | 6.533 | (0.997) | 407705 | 41.3409 | 83 |
| * | 82 Acenaphthene-d10 | 164 | 6.539 | 6.545 | (1.000) | 1471063 | 40.0000 | |
| | 42 Acenaphthene | 154 | 6.575 | 6.581 | (1.005) | 1668953 | 42.5858 | 85 |
| | 11 2,4-Dinitrophenol | 184 | 6.622 | 6.633 | (1.013) | 138363 | 33.4763 | 67 |
| | 12 4-Nitrophenol | 65 | 6.728 | 6.733 | (1.029) | 58154 | 7.35412 | 15(a) |
| | 44 2,4-Dinitrotoluene | 165 | 6.751 | 6.763 | (1.032) | 550040 | 47.4022 | 95 |
| | 43 Dibenzofuran | 168 | 6.745 | 6.751 | (1.031) | 2509915 | 44.4795 | 89 |
| | 45 Diethylphthalate | 149 | 7.016 | 7.022 | (1.073) | 1801930 | 46.0099 | 92 |
| | 47 Fluorene | 166 | 7.081 | 7.086 | (1.083) | 1931085 | 43.9250 | 88 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.098 | 7.098 | (1.085) | 934335 | 44.8910 | 90 |
| | 48 4-Nitroaniline | 138 | 7.122 | 7.133 | (1.089) | 310338 | 41.3295 | 83 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.151 | 7.163 | (0.895) | 237172 | 39.8720 | 80 |

Data File: /chem/BNAMS5.i/8270/09-28-09/29sep09a.b/x2719.d
Report Date: 30-Sep-2009 09:58

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 49 | N-Nitrosodiphenylamine | 169 | 7.222 | 7.222 | (0.904) | 1300913 | 45.7593 | 92 |
| 75 | 1,2-Diphenylhydrazine | 77 | 7.251 | 7.257 | (0.908) | 2356642 | 41.1065 | 82 |
| $ 18 | 2,4,6-Tribromophenol (SUR) | 330 | 7.316 | 7.322 | (1.119) | 216252 | 42.9451 | 86 |
| 50 | 4-Bromophenyl-phenylether | 248 | 7.569 | 7.575 | (0.948) | 467379 | 41.9347 | 84 |
| 51 | Hexachlorobenzene | 284 | 7.622 | 7.628 | (0.954) | 461213 | 41.2500 | 82 |
| 112 | Atrazine | 200 | 7.763 | 7.769 | (0.972) | 340787 | 40.1685 | 80 |
| 14 | Pentachlorophenol | 266 | 7.822 | 7.822 | (0.979) | 188885 | 32.7123 | 65(R) |
| * 83 | Phenanthrene-d10 | 188 | 7.986 | 7.986 | (1.000) | 1739628 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.010 | 8.010 | (1.003) | 2185515 | 41.7010 | 83 |
| 53 | Anthracene | 178 | 8.057 | 8.063 | (1.009) | 2161928 | 42.1046 | 84 |
| 54 | Carbazole | 167 | 8.228 | 8.233 | (1.030) | 1718571 | 42.2102 | 84 |
| 55 | Di-n-butylphthalate | 149 | 8.610 | 8.610 | (1.078) | 2300878 | 42.1611 | 84 |
| 56 | Fluoranthene | 202 | 9.163 | 9.163 | (1.147) | 1812855 | 43.1340 | 86 |
| 58 | Benzidine | 184 | 9.328 | 9.322 | (1.168) | 2564 | 1.61078 | 3.2(a) |
| 57 | Pyrene | 202 | 9.375 | 9.374 | (0.887) | 1765309 | 44.0623 | 88 |
| $ 78 | Terphenyl-d14 | 244 | 9.557 | 9.563 | (0.904) | 1091697 | 40.2934 | 80 |
| 59 | Butylbenzylphthalate | 149 | 10.057 | 10.057 | (0.951) | 664934 | 44.2112 | 88 |
| 60 | 3,3'-Dichlorobenzidine | 252 | 10.563 | 10.569 | (0.999) | 303651 | 48.0149 | 96 |
| 61 | Benzo(a)anthracene | 228 | 10.569 | 10.569 | (0.999) | 1124403 | 44.6609 | 89 |
| * 81 | Chrysene-d12 | 240 | 10.574 | 10.580 | (1.000) | 903386 | 40.0000 | |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 10.674 | 10.674 | (1.009) | 840827 | 42.0554 | 84 |
| 62 | Chrysene | 228 | 10.604 | 10.610 | (1.003) | 1016564 | 43.8587 | 88 |
| 64 | Di-n-octylphthalate | 149 | 11.422 | 11.421 | (0.933) | 1089708 | 41.0443 | 82 |
| 65 | Benzo(b)fluoranthene | 252 | 11.786 | 11.786 | (0.963) | 773848 | 46.5443 | 93 |
| 66 | Benzo(k)fluoranthene | 252 | 11.821 | 11.821 | (0.965) | 785879 | 44.0613 | 88 |
| 67 | Benzo(a)pyrene | 252 | 12.174 | 12.174 | (0.994) | 535843 | 37.7892 | 76 |
| * 84 | Perylene-d12 | 264 | 12.245 | 12.245 | (1.000) | 520671 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 13.563 | 13.562 | (1.108) | 465011 | 42.5602 | 85 |
| 69 | Dibenz(a,h)anthracene | 278 | 13.598 | 13.598 | (1.110) | 471866 | 41.5709 | 83 |
| 70 | Benzo(g,h,i)perylene | 276 | 13.874 | 13.880 | (1.133) | 500330 | 45.6437 | 91 |

QC Flag Legend

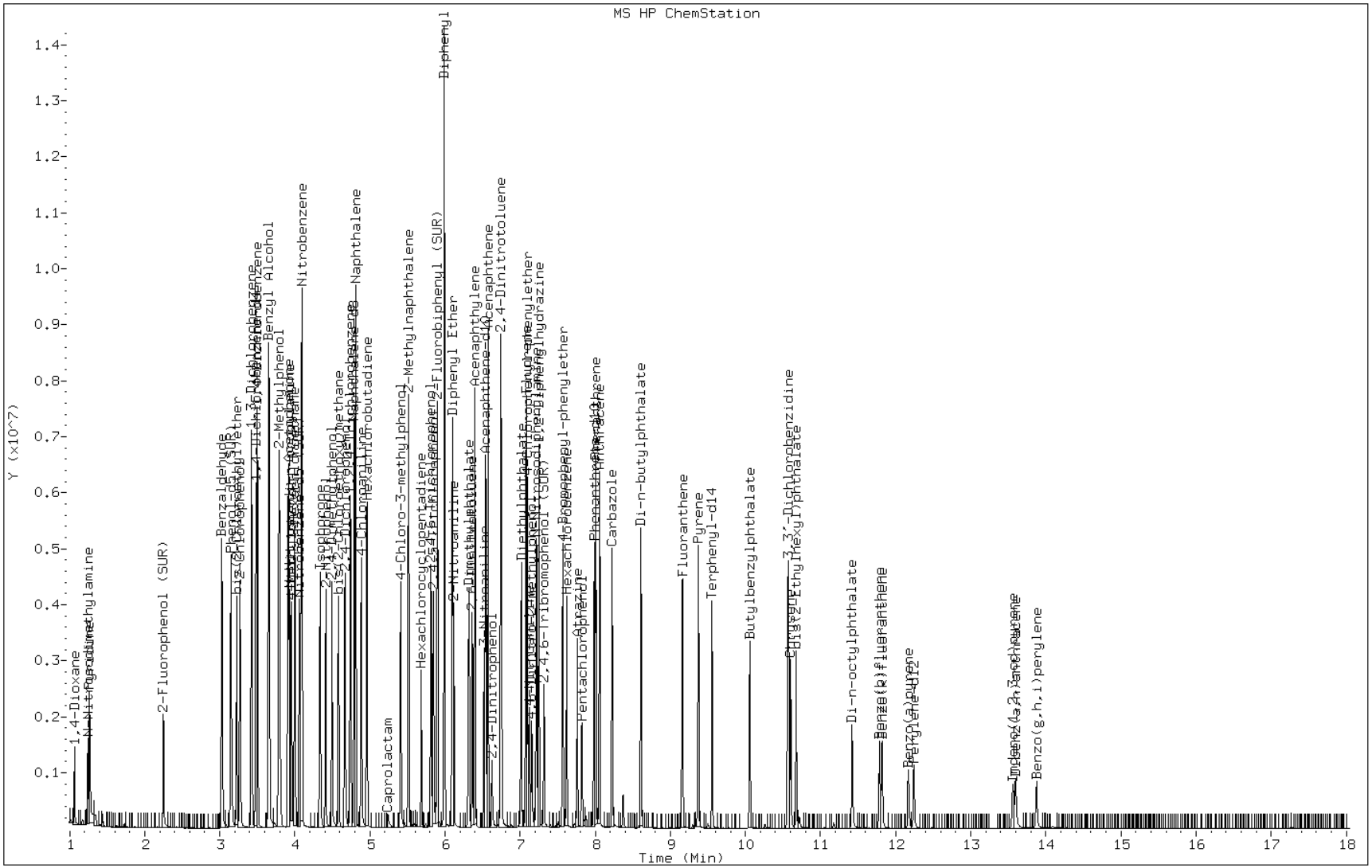
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: x2719.d

Date: 29-SEP-2009 20:38

Client ID: Instrument: BNAMS5.i

Sample Info: LCSD 460-17692/3-A Operator: BNAMS 4



# Organic Prep Worksheet

Batch Number: 460-17565
Method: 3510C
Analyst: Chen, Mandi

Date Open: Sep 22 2009 7:22AM
Batch End: Sep 22 2009 3:00PM

| Lab ID | Client ID | Method Chain | Basis | pH of the sample at receipt | Initial weight/volume of sample | Final weight/volume of sample | pH of the sample after first adjustment | pH of the sample after the second adjust | OP625/82SP_00009 |
|---|---|---|---|---|---|---|---|---|---|
| MB~460-17565/1 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | |
| LCS~460-17565/2 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| LCSD~460-17565/3 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| 460-5829-H-1 | MW-17R | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-G-2 | MW-25S | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-H-3 | MW-23I | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-H-4 | MW-23S | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-G-5 | MW-18 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-G-6 | PZ-5S | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-G-7 | PZ-5D | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-G-8 | MW-19 | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5830-B-31 | FB | | T | 7 | 980 mL | 2 mL | <2 | >12 | |
| 460-5887-H-1 | MW-24DR | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5887-H-2 | MW-24SR | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5914-A-10 | FB092109 | | T | 7 | 970 mL | 2 mL | <2 | >12 | |

# Organic Prep Worksheet

Batch Number: 460-17565
Method: 3510C
Analyst: Chen, Mandi

Date Open: Sep 22 2009 7:22AM
Batch End: Sep 22 2009 3:00PM

| Lab ID | Client ID | Method Chain | Basis | OP625/82SU_00006 |
|---|---|---|---|---|
| MB~460-17565/1 | | 3510C, 8270C | | 1 mL |
| LCS~460-17565/2 | | 3510C, 8270C | | 1 mL |
| LCSD~460-17565/3 | | 3510C, 8270C | | 1 mL |
| 460-5829-H-1 | MW-17R | 3510C, 8270C | T | 1 mL |
| 460-5829-G-2 | MW-25S | 3510C, 8270C | T | 1 mL |
| 460-5829-H-3 | MW-23I | 3510C, 8270C | T | 1 mL |
| 460-5829-H-4 | MW-23S | | T | 1 mL |
| 460-5829-G-5 | MW-18 | 3510C, 8270C | T | 1 mL |
| 460-5829-G-6 | PZ-5S | 3510C, 8270C | T | 1 mL |
| 460-5829-G-7 | PZ-5D | 3510C, 8270C | T | 1 mL |
| 460-5829-G-8 | MW-19 | | T | 1 mL |
| 460-5830-B-31 | FB | | T | 1 mL |
| 460-5887-H-1 | MW-24DR | | T | 1 mL |
| 460-5887-H-2 | MW-24SR | | T | 1 mL |
| 460-5914-A-10 | FB092109 | | T | 1 mL |

| | |
|---|---|
| Person's name who did the prep: | MC |
| Prep Solvent Name: | MeCl2 |
| Prep Solvent Lot #: | H29E06 |
| Prep Solvent Volume Used: | 180 mL |
| Person's name who witnessed reagent drop: | JCR |
| Acid used for pH adjustment: | H2SO4 |
| Acid used for pH adjust Lot #: | G35029 |
| Base used for pH adjustment: | NaOH |
| Base used for pH adjust Lot #: | OP075 |
| Person's name who did the concentration: | MC |
| Concentration Start Time: | 11:00AM |
| Concentration End Time: | 12:00PM |
| Na2SO4 Lot Number: | H12597 |
| Oven, Bath or Block Temperature 1: | 100 |

# Organic Prep Worksheet

Batch Number: 460-17565
Method: 3510C
Analyst: Chen, Mandi

Date Open: Sep 22 2009 7:22AM
Batch End: Sep 22 2009 3:00PM

Comments

| Lab ID | Client ID | Method Chain | Basis | Analysis comment |
|---|---|---|---|---|
| MB~460-17565/1 | | 3510C, 8270C | | |
| LCS~460-17565/2 | | 3510C, 8270C | | |
| LCSD~460-17565/3 | | 3510C, 8270C | | |
| 460-5829-H-1 | MW-17R | 3510C, 8270C | T | |
| 460-5829-G-2 | MW-25S | 3510C, 8270C | T | |
| 460-5829-H-3 | MW-23I | 3510C, 8270C | T | |
| 460-5829-H-4 | MW-23S | | T | |
| 460-5829-G-5 | MW-18 | 3510C, 8270C | T | |
| 460-5829-G-6 | PZ-5S | 3510C, 8270C | T | |
| 460-5829-G-7 | PZ-5D | 3510C, 8270C | T | |
| 460-5829-G-8 | MW-19 | | T | |
| 460-5830-B-31 | FB | | T | |
| 460-5887-H-1 | MW-24DR | | T | |
| 460-5887-H-2 | MW-24SR | | T | |
| 460-5914-A-10 | FB092109 | | T | |

Batch Comment: SM_ISTD_00009

# Organic Prep Worksheet

Batch Number: 460-17692
Method: 3510C
Analyst: Chen, Mandi

Date Open: Sep 23 2009 7:17AM
Batch End: Sep 23 2009 3:00PM

| Lab ID | Client ID | Method Chain | Basis | pH of the sample at receipt | Initial weight/volume of sample | Final weight/volume of sample | pH of the sample after first adjustment | pH of the sample after the second adjust | OP625/82SP_00009 |
|---|---|---|---|---|---|---|---|---|---|
| MB~460-17692/1 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | |
| LCS~460-17692/2 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| LCSD~460-17692/3 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| 460-5944-I-10 | FB0922 | | T | 7 | 970 mL | 2 mL | <2 | >12 | |
| 460-5938-A-3 | FB092209 | | T | 7 | 890 mL | 2 mL | <2 | >12 | |
| 460-5829-G-4 | MW-23S | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-H-8 | MW-19 | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |

# Organic Prep Worksheet

Batch Number: 460-17692
Method: 3510C
Analyst: Chen, Mandi

Date Open: Sep 23 2009 7:17AM
Batch End: Sep 23 2009 3:00PM

| Lab ID | Client ID | Method Chain | Basis | OP625/82SU_00006 |
|---|---|---|---|---|
| MB~460-17692/1 | | 3510C, 8270C | | 1 mL |
| LCS~460-17692/2 | | 3510C, 8270C | | 1 mL |
| LCSD~460-17692/3 | | 3510C, 8270C | | 1 mL |
| 460-5944-I-10 | FB0922 | | T | 1 mL |
| 460-5938-A-3 | FB092209 | | T | 1 mL |
| 460-5829-G-4 | MW-23S | 3510C, 8270C | T | 1 mL |
| 460-5829-H-8 | MW-19 | 3510C, 8270C | T | 1 mL |

| | |
|---|---|
| Person's name who did the prep: | MC |
| Prep Solvent Name: | MeCl2 |
| Prep Solvent Lot #: | H31E24 |
| Prep Solvent Volume Used: | 180 mL |
| Person's name who witnessed reagent drop: | JCR |
| Acid used for pH adjustment: | H2SO4 |
| Acid used for pH adjust Lot #: | G35029 |
| Base used for pH adjustment: | NaOH |
| Base used for pH adjust Lot #: | OP075 |
| Person's name who did the concentration: | MC |
| Concentration Start Time: | 9:00AM |
| Concentration End Time: | 11:00AM |
| Na2SO4 Lot Number: | H12597 |
| Oven, Bath or Block Temperature 1: | 100 |

# GC VOA

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b

Date Generated: 09/21/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 0908 | gc5f4108 | 1 | RINSE-DI | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/21/09 0914 | gc5f4109 | 1 | CCVRT-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/21/09 0920 | gc5f4110 | 1 | LCS | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/21/09 0926 | gc5f4111 | 1 | LCSD | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/21/09 0933 | gc5f4112 | 1 | RINSE-DI | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/21/09 0939 | gc5f4113 | 1 | MB | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 0945 | gc5f4114 | 1 | 460-5829-A-1 | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 0951 | gc5f4115 | 1 | 460-5829-C-2 | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 0958 | gc5f4116 | 1 | 460-5829-A-3 | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 1004 | gc5f4117 | 1 | 460-5829-B-4 | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 1010 | gc5f4118 | 1 | 460-5829-A-5 | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 1016 | gc5f4119 | 1 | 460-5829-B-6 | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 1022 | gc5f4120 | 1 | N/A MB | 21sep098b | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 1043 | gc5f4121 | 1 | CCV-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |

Signed: 9/21/09 Read and Understood by: 9/21/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAGC5.i

Analytical Batch: /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b

Date Generated: 09/21/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 1043 | gc5f4121 | 1 | CCVRT-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |
| 09/21/09 1053 | gc5f4122 | 1 | RINSE-DI | 21sep098c | | 1 | 0 | 1 | 1 | C1-C4 | | — |
| 09/21/09 1059 | gc5f4123 | 1 | 460-5829-B-7 | 21sep098c | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 1105 | gc5f4124 | 1 | 460-5829-A-8 | 21sep098c | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 1111 | gc5f4125 | 1 | 460-5887-A-1 | 21sep098c | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 1117 | gc5f4126 | 1 | 460-5887-B-2 | 21sep098c | | 1 | 0 | 1 | 1 | C1-C4 | | ND OK |
| 09/21/09 1133 | gc5f4127 | 1 | CCV-SGALCL3_00002 | — | | 1 | 0 | 1 | 1 | C1-C4 | | OK |

Signed: _____ Read and Understood by: _____

Date: 9/21/09 Date: 9/21/09

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.53 (mm)

| Client Sample ID | Lab Sample ID | 1Pent1 # |
|---|---|---|
| MW-17R | 460-5829-1 | 94 |
| MW-25S | 460-5829-2 | 110 |
| MW-23I | 460-5829-3 | 109 |
| MW-23S | 460-5829-4 | 114 |
| MW-18 | 460-5829-5 | 113 |
| PZ-5S | 460-5829-6 | 113 |
| PZ-5D | 460-5829-7 | 105 |
| MW-19 | 460-5829-8 | 113 |
| | MB 460-17479/6 | 104 |
| | LCS 460-17479/3 | 95 |
| | LCSD 460-17479/4 | 94 |

| | QC LIMITS |
|---|---|
| 1Pent = 1-Pentanol | 52-122 |

# Column to be used to flag recovery values

FORM II 8015B

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4110.d

Lab ID: LCS 460-17479/3 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methanol | 5000 | 4890 | 98 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GC VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4111.d

Lab ID: LCSD 460-17479/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methanol | 5000 | 4850 | 97 | 1 | 30 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Lab Sample ID: MB 460-17479/6

Matrix: Water  Date Extracted:

Lab File ID:(1) gc5f4113.d  Lab File ID:(2)

Date Analyzed:(1) 09/21/2009 09:39  Date Analyzed:(2)

Instrument ID:(1) BNAGC5  Instrument ID:(2)

GC Column:(1) Rtx-624 ID: 0.53(mm)  GC Column:(2)  ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|
| | LCS 460-17479/3 | 09/21/2009 09:20 | |
| | LCSD 460-17479/4 | 09/21/2009 09:26 | |
| MW-17R | 460-5829-1 | 09/21/2009 09:45 | |
| MW-25S | 460-5829-2 | 09/21/2009 09:51 | |
| MW-23I | 460-5829-3 | 09/21/2009 09:58 | |
| MW-23S | 460-5829-4 | 09/21/2009 10:04 | |
| MW-18 | 460-5829-5 | 09/21/2009 10:10 | |
| PZ-5S | 460-5829-6 | 09/21/2009 10:16 | |
| PZ-5D | 460-5829-7 | 09/21/2009 10:59 | |
| MW-19 | 460-5829-8 | 09/21/2009 11:05 | |

FORM VIII
HYDROCARBONS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Instrument ID: BNAGC5 Calibration Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calibration End Date: 09/21/2009 08:55

Calibration ID: 3159

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | 1Pent | | |
|---|---|---|---|---|---|---|
| | | | | RT # | | |
| SURROGATE RT FROM CONTINUING CALIBRATION | | | | 3.60 | | |
| UPPER LIMIT | | | | 3.70 | | |
| LOWER LIMIT | | | | 3.50 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 460-17479/2 | | 09/21/2009 09:14 | gc5f4109.d | 3.60 | | |
| LCS 460-17479/3 | | 09/21/2009 09:20 | gc5f4110.d | 3.60 | | |
| LCSD 460-17479/4 | | 09/21/2009 09:26 | gc5f4111.d | 3.61 | | |
| MB 460-17479/6 | | 09/21/2009 09:39 | gc5f4113.d | 3.61 | | |
| 460-5829-1 | MW-17R | 09/21/2009 09:45 | gc5f4114.d | 3.61 | | |
| 460-5829-2 | MW-25S | 09/21/2009 09:51 | gc5f4115.d | 3.63 | | |
| 460-5829-3 | MW-23I | 09/21/2009 09:58 | gc5f4116.d | 3.63 | | |
| 460-5829-4 | MW-23S | 09/21/2009 10:04 | gc5f4117.d | 3.62 | | |
| 460-5829-5 | MW-18 | 09/21/2009 10:10 | gc5f4118.d | 3.63 | | |
| 460-5829-6 | PZ-5S | 09/21/2009 10:16 | gc5f4119.d | 3.65 | | |
| CCV 460-17479/14 | | 09/21/2009 10:43 | gc5f4121.d | 3.68 | | |

1Pent = 1-Pentanol

1Pent RT Limit = ± 0.10 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII 8015B

FORM VIII
HYDROCARBONS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Instrument ID: BNAGC5 Calibration Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calibration End Date: 09/21/2009 08:55

Calibration ID: 3159

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | 1Pent RT # | | |
|---|---|---|---|---|---|---|
| SURROGATE RT FROM CONTINUING CALIBRATION | | | | 3.68 | | |
| UPPER LIMIT | | | | 3.78 | | |
| LOWER LIMIT | | | | 3.58 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 460-17484/1 | | 09/21/2009 10:43 | gc5f4121.d | 3.68 | | |
| 460-5829-7 | PZ-5D | 09/21/2009 10:59 | gc5f4123.d | 3.69 | | |
| 460-5829-8 | MW-19 | 09/21/2009 11:05 | gc5f4124.d | 3.70 | | |
| CCV 460-17484/7 | | 09/21/2009 11:33 | gc5f4127.d | 3.74 | | |

1Pent = 1-Pentanol

1Pent RT Limit = ± 0.10 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII 8015B

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-17R  Lab Sample ID: 460-5829-1

Matrix: Water  Lab File ID: gc5f4114.d

Analysis Method: 8015B  Date Collected: 09/17/2009 15:35

Sample wt/vol: 1(uL)  Date Analyzed: 09/21/2009 09:45

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17479  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 94 | 52-122 | |

Data File: gc5f4114.d
Report Date: 21-Sep-2009 11:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4114.d
Lab Smp Id: 460-5829-A-1 Client Smp ID: MW-17R
Inj Date : 21-SEP-2009 09:45
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5829-A-1
Misc Info : 460-5829-A-1
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.613 | 3.596 | 0.017 | 22978 | 4714.44 | 4710 |

Data File: gc5f4114.d

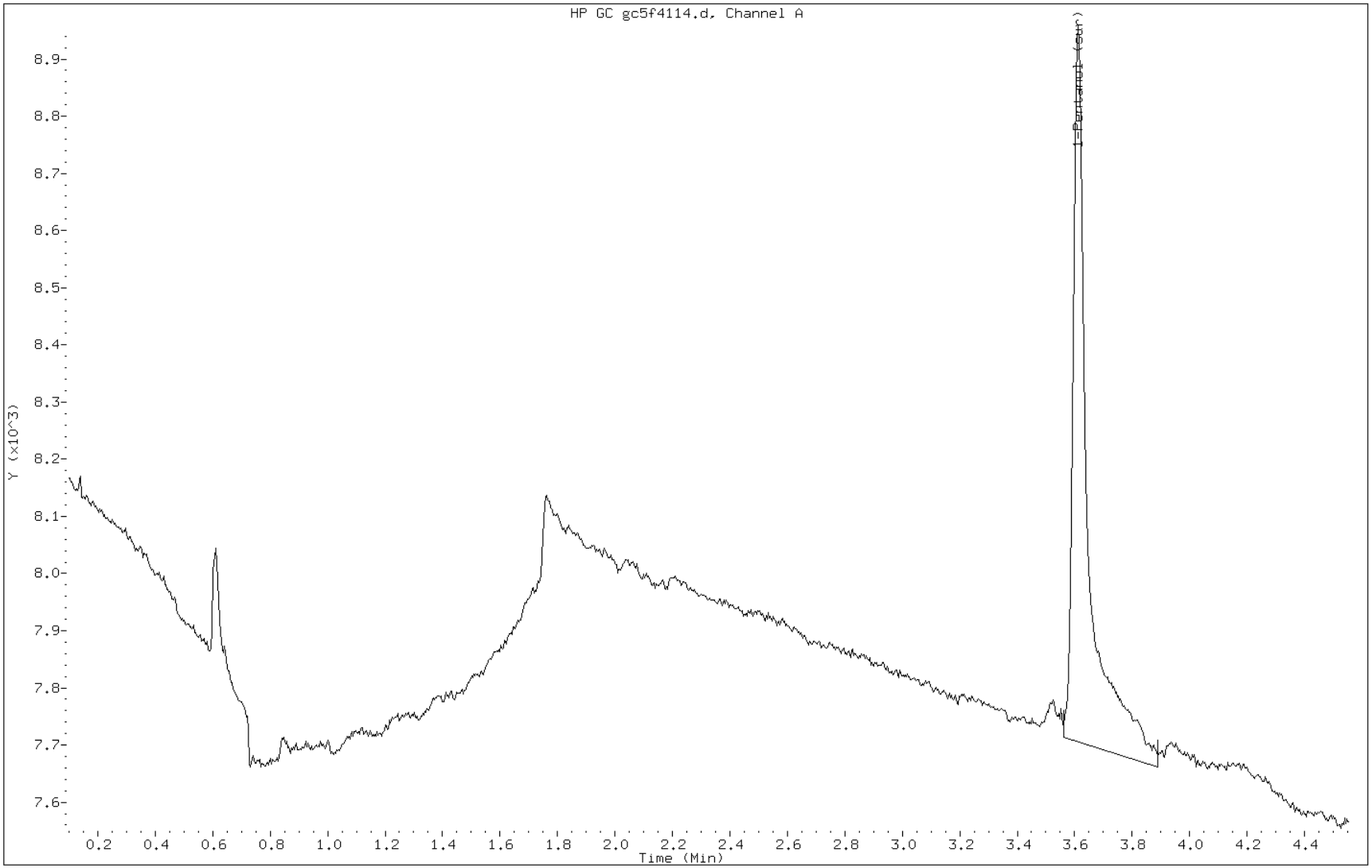
Date: 21-SEP-2009 09:45

Client ID: MW-17R

Instrument: BNAGC5.i

Sample Info: 460-5829-A-1

Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-25S Lab Sample ID: 460-5829-2

Matrix: Water Lab File ID: gc5f4115.d

Analysis Method: 8015B Date Collected: 09/17/2009 09:50

Sample wt/vol: 1(uL) Date Analyzed: 09/21/2009 09:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17479 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 110 | 52-122 | |

Data File: gc5f4115.d
Report Date: 21-Sep-2009 11:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4115.d
Lab Smp Id: 460-5829-C-2 Client Smp ID: MW-25S
Inj Date : 21-SEP-2009 09:51
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5829-C-2
Misc Info : 460-5829-C-2
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.626 | 3.596 | 0.030 | 26836 | 5506.00 | 5500 |

Data File: gc5f4115.d

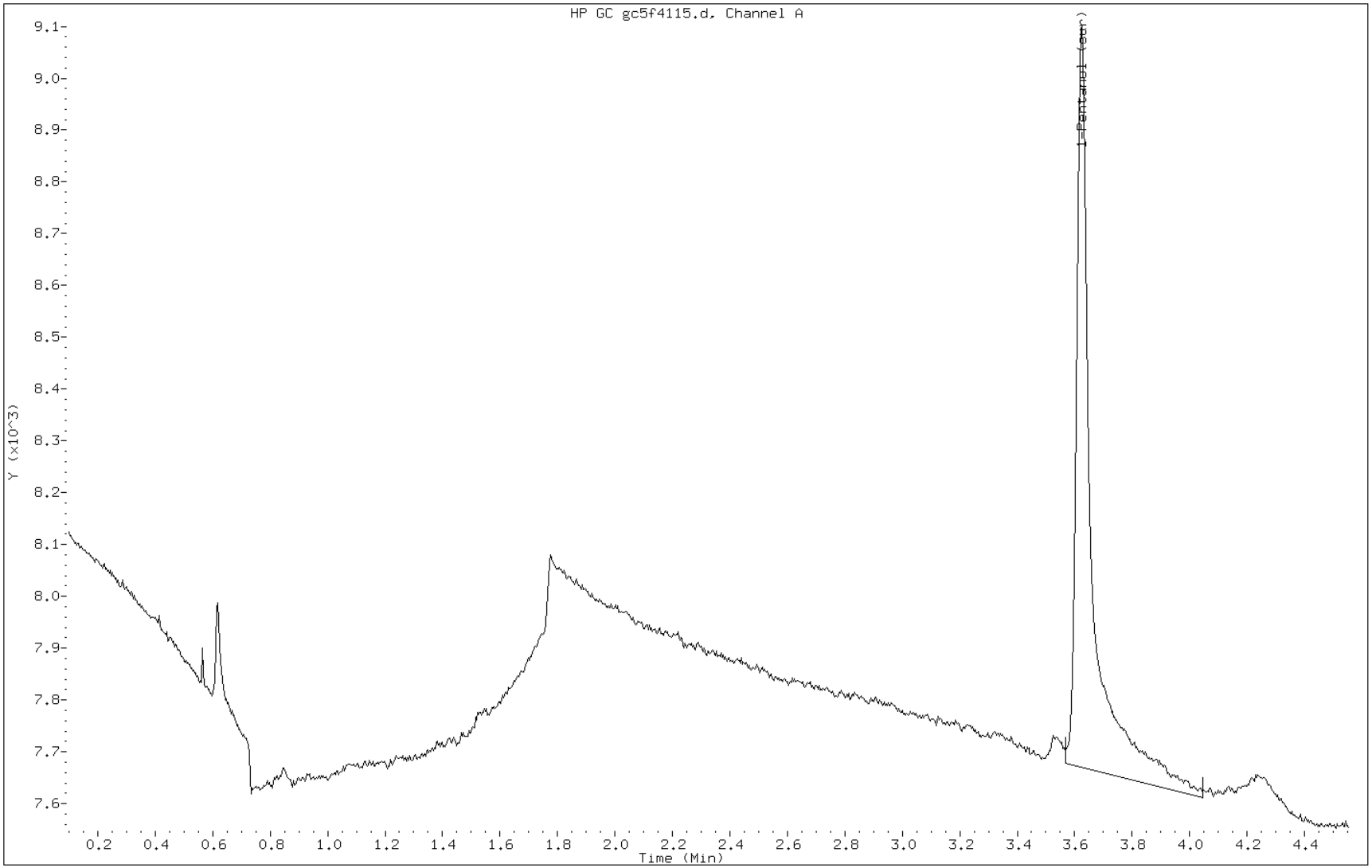
Date: 21-SEP-2009 09:51

Client ID: MW-25S

Instrument: BNAGC5.i

Sample Info: 460-5829-C-2

Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-23I  Lab Sample ID: 460-5829-3

Matrix: Water  Lab File ID: gc5f4116.d

Analysis Method: 8015B  Date Collected: 09/17/2009 11:30

Sample wt/vol: 1(uL)  Date Analyzed: 09/21/2009 09:58

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17479  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 109 | 52-122 | |

Data File: gc5f4116.d
Report Date: 21-Sep-2009 11:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4116.d
Lab Smp Id: 460-5829-A-3 Client Smp ID: MW-23I
Inj Date : 21-SEP-2009 09:58
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5829-A-3
Misc Info : 460-5829-A-3
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.626 | 3.596 | 0.030 | 26467 | 5430.29 | 5430 |

Data File: gc5f4116.d

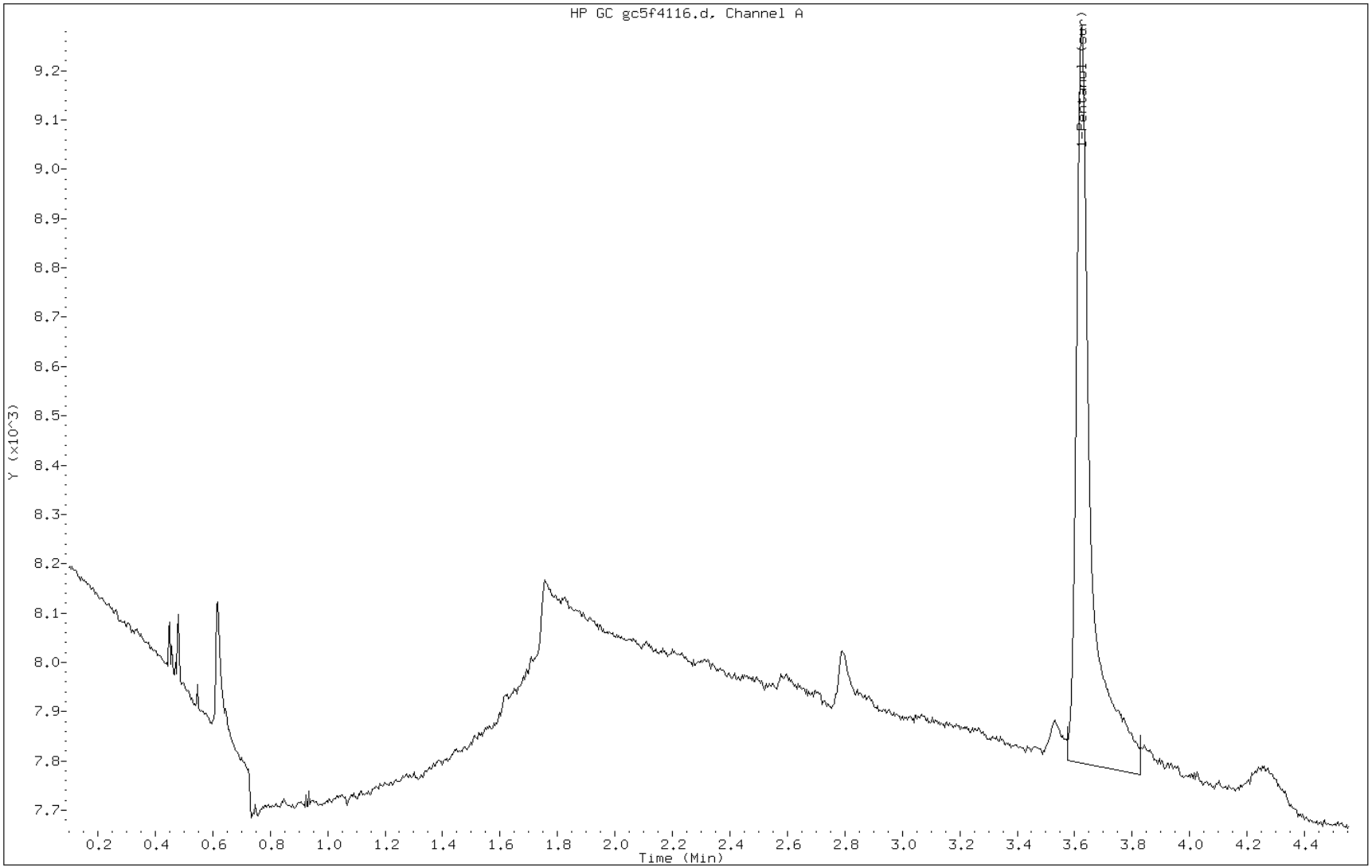
Date: 21-SEP-2009 09:58

Client ID: MW-23I

Instrument: BNAGC5.i

Sample Info: 460-5829-A-3

Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-23S  Lab Sample ID: 460-5829-4

Matrix: Water  Lab File ID: gc5f4117.d

Analysis Method: 8015B  Date Collected: 09/17/2009 12:25

Sample wt/vol: 1(uL)  Date Analyzed: 09/21/2009 10:04

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17479  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 114 | 52-122 | |

Data File: gc5f4117.d
Report Date: 21-Sep-2009 11:23

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4117.d
Lab Smp Id: 460-5829-B-4 Client Smp ID: MW-23S
Inj Date : 21-SEP-2009 10:04
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5829-B-4
Misc Info : 460-5829-B-4
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.624 | 3.596 | 0.028 | 27838 | 5711.58 | 5710 |

Data File: gc5f4117.d

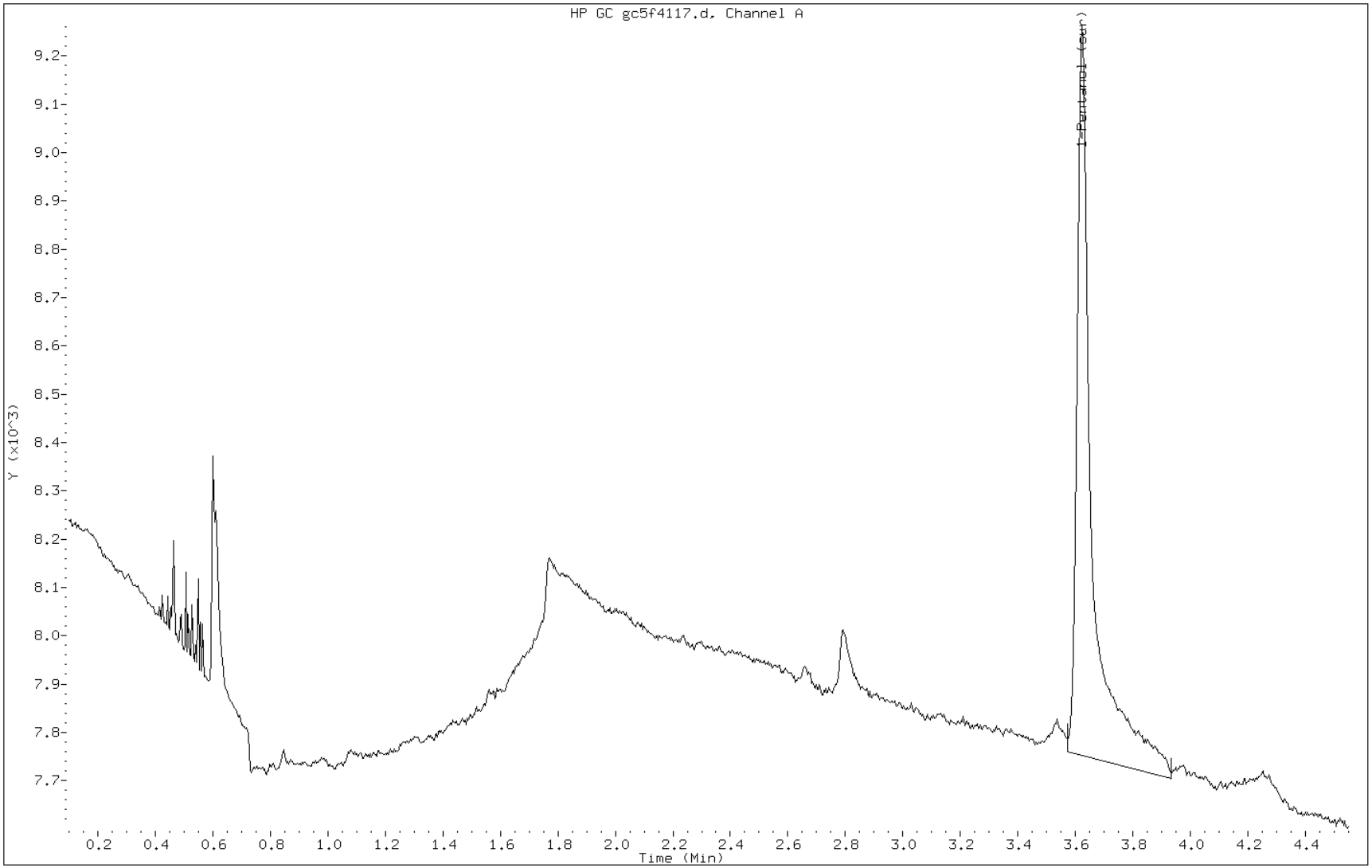
Date: 21-SEP-2009 10:04

Client ID: MW-23S

Instrument: BNAGC5.i

Sample Info: 460-5829-B-4

Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-18  Lab Sample ID: 460-5829-5

Matrix: Water  Lab File ID: gc5f4118.d

Analysis Method: 8015B  Date Collected: 09/17/2009 14:30

Sample wt/vol: 1(uL)  Date Analyzed: 09/21/2009 10:10

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17479  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 113 | 52-122 | |

Data File: gc5f4118.d
Report Date: 21-Sep-2009 11:23

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4118.d
Lab Smp Id: 460-5829-A-5 Client Smp ID: MW-18
Inj Date : 21-SEP-2009 10:10
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5829-A-5
Misc Info : 460-5829-A-5
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

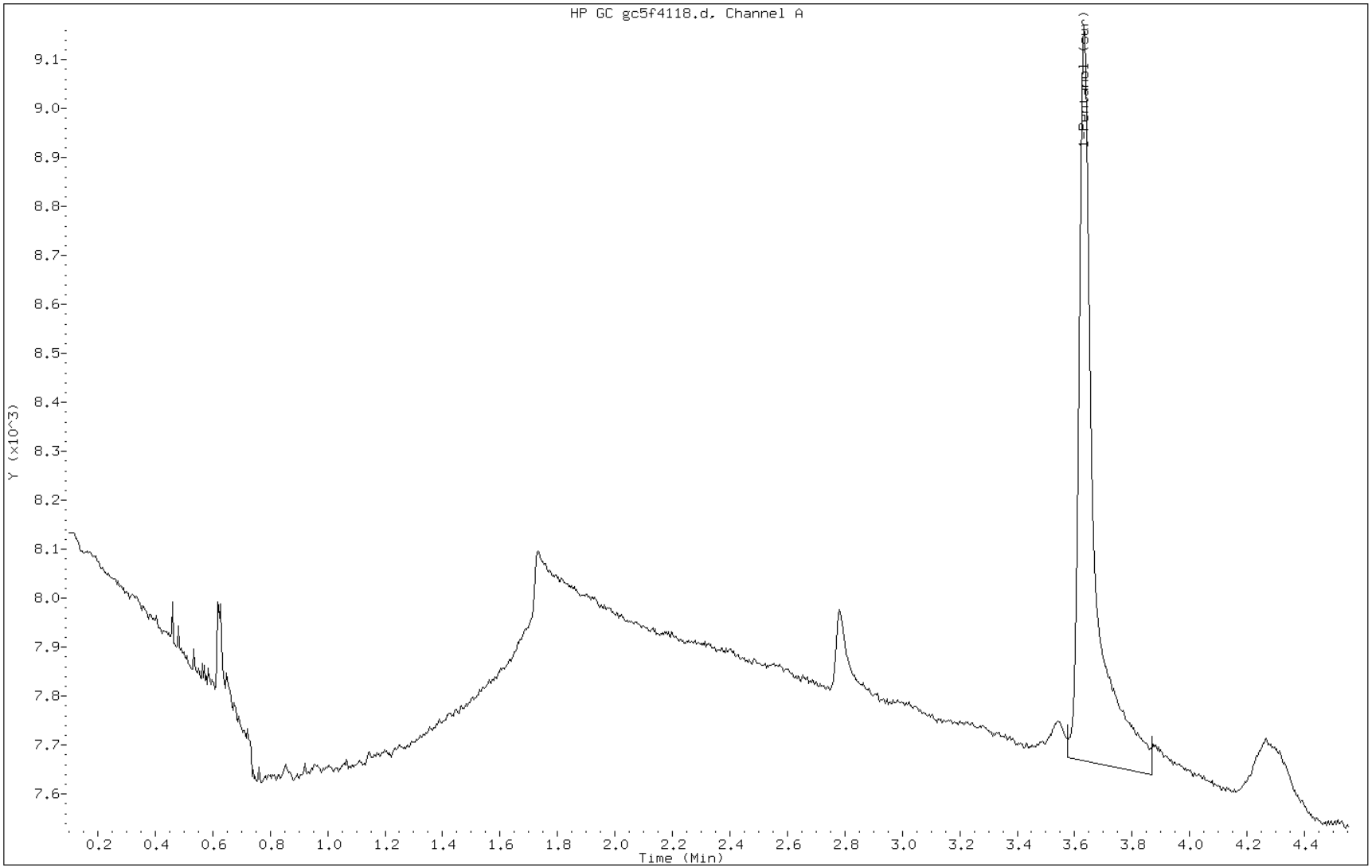
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.634 | 3.596 | 0.038 | 27460 | 5634.02 | 5630 |

Data File: gc5f4118.d

Date: 21-SEP-2009 10:10

Client ID: MW-18 Instrument: BNAGC5.i

Sample Info: 460-5829-A-5 Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Client Sample ID: PZ-5S Lab Sample ID: 460-5829-6

Matrix: Water Lab File ID: gc5f4119.d

Analysis Method: 8015B Date Collected: 09/17/2009 11:10

Sample wt/vol: 1(uL) Date Analyzed: 09/21/2009 10:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17479 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 113 | 52-122 | |

Data File: gc5f4119.d
Report Date: 21-Sep-2009 11:29

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4119.d
Lab Smp Id: 460-5829-B-6 Client Smp ID: PZ-5S
Inj Date : 21-SEP-2009 10:16
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5829-B-6
Misc Info : 460-5829-B-6
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

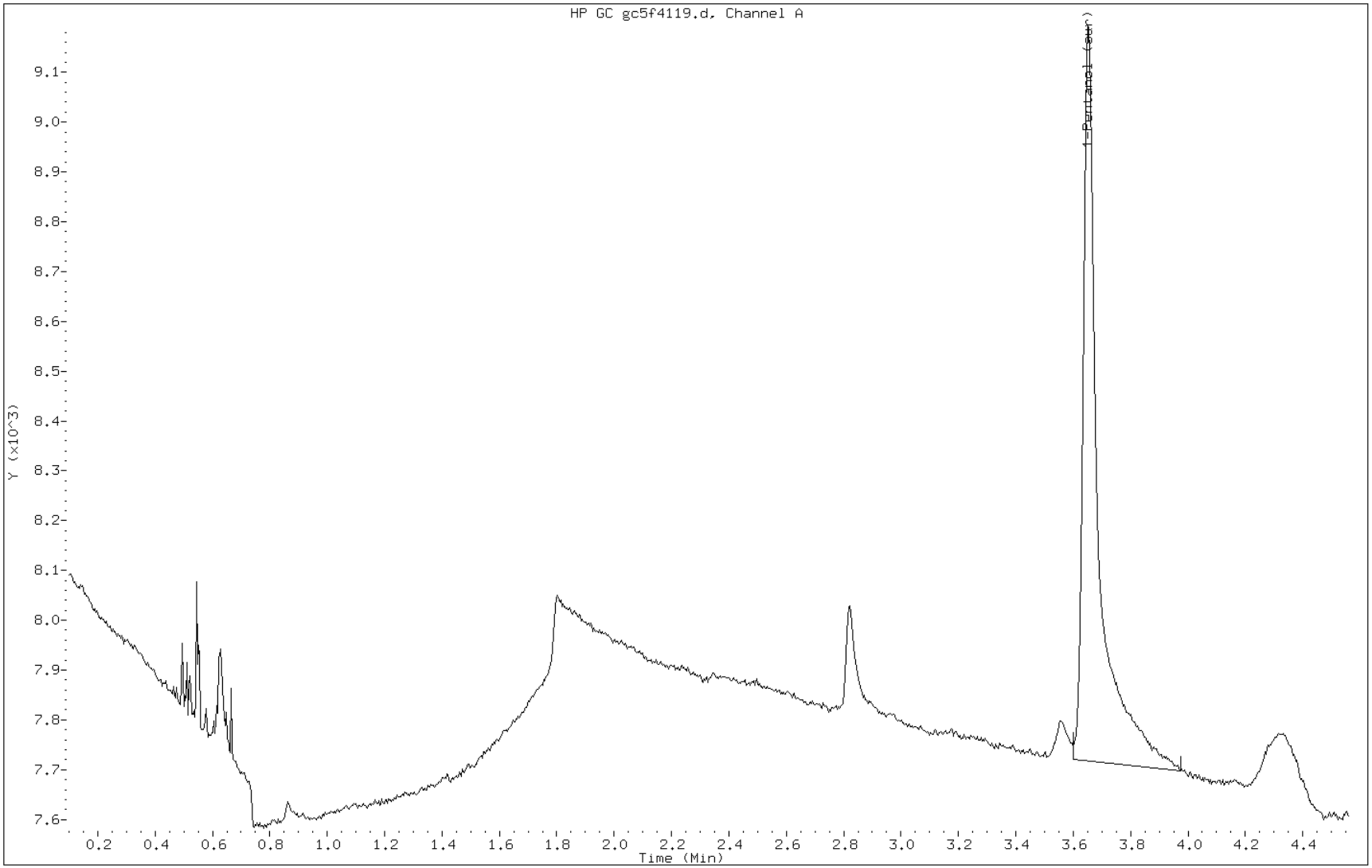
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.652 | 3.596 | 0.056 | 27458 | 5633.61 | 5630 |

Data File: gc5f4119.d

Date: 21-SEP-2009 10:16

Client ID: PZ-5S Instrument: BNAGC5.i

Sample Info: 460-5829-B-6 Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Client Sample ID: PZ-5D  Lab Sample ID: 460-5829-7

Matrix: Water  Lab File ID: gc5f4123.d

Analysis Method: 8015B  Date Collected: 09/17/2009 09:50

Sample wt/vol: 1(uL)  Date Analyzed: 09/21/2009 10:59

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17484  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 105 | 52-122 | |

Data File: gc5f4123.d
Report Date: 21-Sep-2009 12:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/gc5f4123.d
Lab Smp Id: 460-5829-B-7 Client Smp ID: PZ-5D
Inj Date : 21-SEP-2009 10:59
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5829-B-7
Misc Info : 460-5829-B-7
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/alcohols2008.m
Meth Date : 21-Sep-2009 12:15 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.690 | 3.683 | 0.007 | 25486 | 5229.01 | 5230(M) |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4123.d

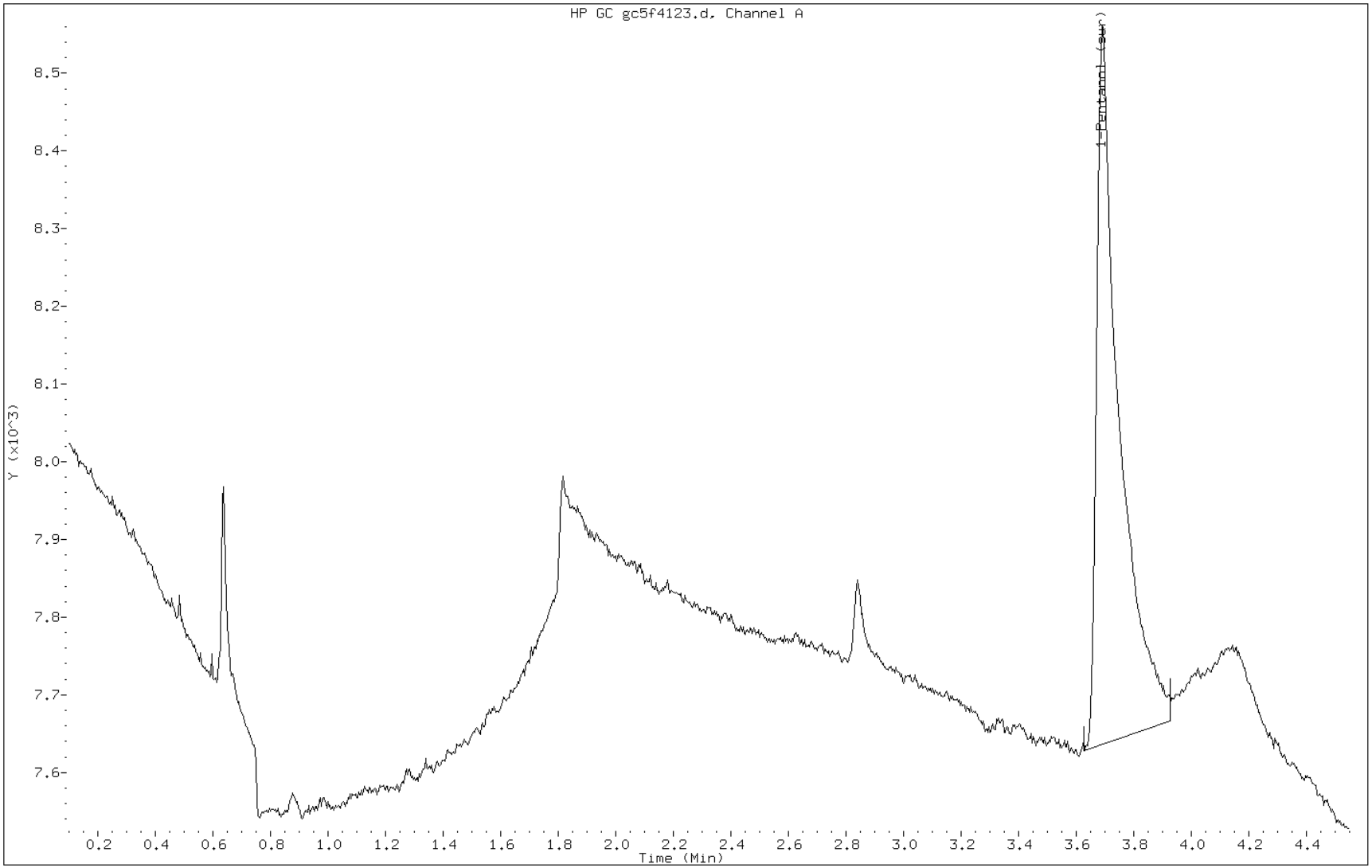
Date: 21-SEP-2009 10:59

Client ID: PZ-5D

Instrument: BNAGC5.i

Sample Info: 460-5829-B-7

Operator: 615



# Manual Integration Report

Data File: gc5f4123.d
Inj. Date and Time: 21-SEP-2009 10:59
Instrument ID: BNAGC5.i
Client ID: PZ-5D
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.68

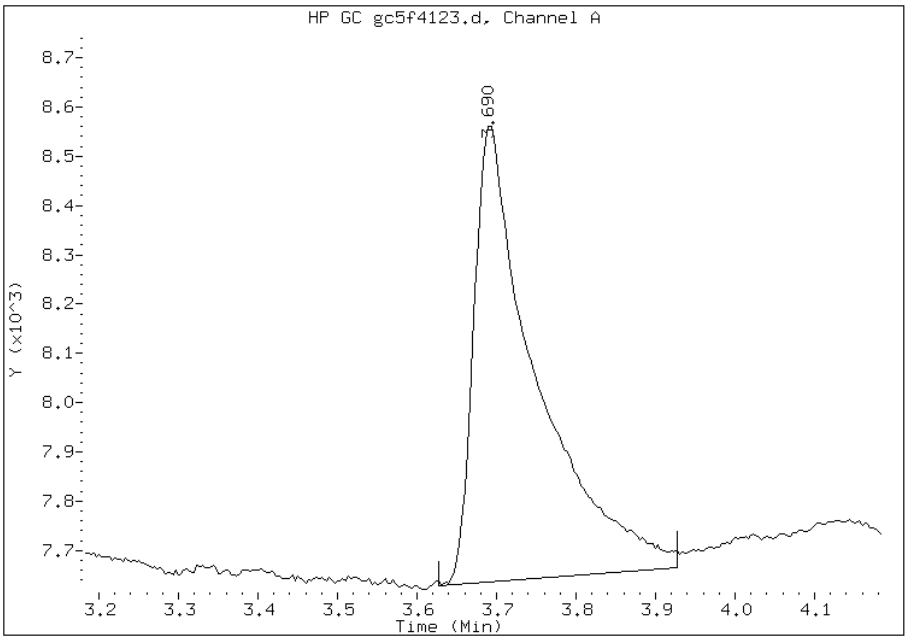
## Manual Integration Results

RT: 3.69

Response: 25486

Amount: 5229.01

Conc: 5229.01




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Client Sample ID: MW-19  Lab Sample ID: 460-5829-8

Matrix: Water  Lab File ID: gc5f4124.d

Analysis Method: 8015B  Date Collected: 09/17/2009 13:20

Sample wt/vol: 1(uL)  Date Analyzed: 09/21/2009 11:05

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624  ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17484  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 113 | 52-122 | |

Data File: gc5f4124.d
Report Date: 21-Sep-2009 12:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/gc5f4124.d
Lab Smp Id: 460-5829-A-8 Client Smp ID: MW-19
Inj Date : 21-SEP-2009 11:05
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5829-A-8
Misc Info : 460-5829-A-8
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/alcohols2008.m
Meth Date : 21-Sep-2009 12:15 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

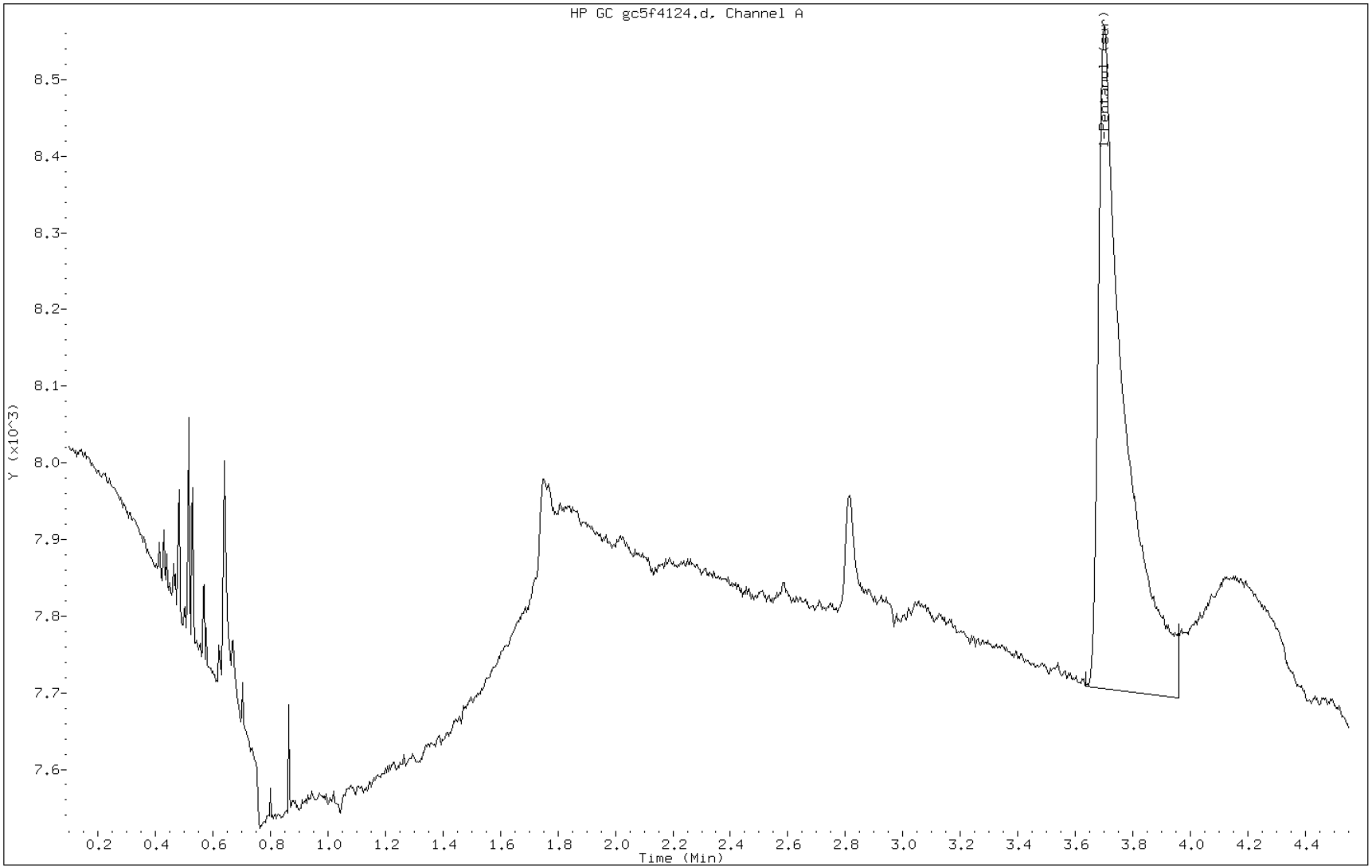
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.701 | 3.683 | 0.018 | 27555 | 5653.51 | 5650 |

Data File: gc5f4124.d

Date: 21-SEP-2009 11:05

Client ID: MW-19 Instrument: BNAGC5.i

Sample Info: 460-5829-A-8 Operator: 615



FORM VI
GC VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17459

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 08:30 Calibration End Date: 09/21/2009 08:55 Calibration ID: 3159

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17459/6 | gc5f4107.d |
| Level 2 | IC 460-17459/5 | gc5f4106.d |
| Level 3 | IC 460-17459/4 | gc5f4105.d |
| Level 4 | IC 460-17459/3 | gc5f4104.d |
| Level 5 | IC 460-17459/2 | gc5f4103.d |

| ANALYTE | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | | | | | RT WINDOW | AVG RT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Methanol | 0.827 | 0.829 | 0.820 | 0.820 | 0.823 | | | | | | 0.720 - 0.920 | 0.824 |
| Ethanol | 1.050 | 1.053 | 1.043 | 1.043 | 1.047 | | | | | | 0.943 - 1.143 | 1.047 |
| 2-Methyl-2-propanol | 1.243 | 1.245 | 1.233 | 1.237 | 1.237 | | | | | | 1.133 - 1.333 | 1.239 |
| Isopropyl alcohol | 1.397 | 1.401 | 1.390 | 1.390 | 1.393 | | | | | | 1.290 - 1.490 | 1.394 |
| Propanol | 1.680 | 1.680 | 1.667 | 1.670 | 1.673 | | | | | | 1.567 - 1.767 | 1.674 |
| Isobutyl alcohol | 1.960 | 1.963 | 1.950 | 1.950 | 1.953 | | | | | | 1.850 - 2.050 | 1.955 |
| n-Butanol | 2.230 | 2.232 | 2.220 | 2.220 | 2.223 | | | | | | 2.120 - 2.320 | 2.225 |
| sec-Butyl Alcohol | 2.567 | 2.570 | 2.557 | 2.557 | 2.560 | | | | | | 2.457 - 2.657 | 2.562 |
| 1-Pentanol | 3.577 | 3.580 | 3.570 | 3.563 | 3.567 | | | | | | 3.470 - 3.670 | 3.571 |

FORM VI
GC VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17459

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 08:30 Calibration End Date: 09/21/2009 08:55 Calibration ID: 3159

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17459/6 | gc5f4107.d |
| Level 2 | IC 460-17459/5 | gc5f4106.d |
| Level 3 | IC 460-17459/4 | gc5f4105.d |
| Level 4 | IC 460-17459/3 | gc5f4104.d |
| Level 5 | IC 460-17459/2 | gc5f4103.d |

| ANALYTE | RRF | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 5 | LVL 2 | LVL 3 | LVL 4 | | B | M1 | M2 | | | | | | | | |
| Methanol | 4.6100 3.5648 | 3.9525 | 3.7032 | 3.4312 | Ave | | 4 | | | | 12.1 | | 20.0 | | | |
| Ethanol | 4.9380 3.8010 | 4.1620 | 3.9490 | 3.5963 | Ave | | 4 | | | | 12.7 | | 20.0 | | | |
| 2-Methyl-2-propanol | 5.6280 4.0479 | 4.3915 | 4.1698 | 3.7892 | Ave | | 4 | | | | 16.3 | | 20.0 | | | |
| Isopropyl alcohol | 7.3460 5.8680 | 6.0060 | 5.9358 | 5.6988 | Ave | | 6 | | | | 10.8 | | 20.0 | | | |
| Propanol | 5.2380 4.8987 | 4.9730 | 5.5700 | 4.9894 | Ave | | 5 | | | | 5.4 | | 20.0 | | | |
| Isobutyl alcohol | 5.3120 4.6190 | 4.7825 | 4.5912 | 4.5591 | Ave | | 5 | | | | 6.6 | | 20.0 | | | |
| n-Butanol | 5.6860 5.2839 | 4.8855 | 4.9810 | 5.2038 | Ave | | 5 | | | | 6.0 | | 20.0 | | | |
| sec-Butyl Alcohol | 5.4280 5.0800 | 4.6580 | 4.5232 | 4.9853 | Ave | | 5 | | | | 7.3 | | 20.0 | | | |
| 1-Pentanol | 4.7080 5.0987 | 4.7010 | 4.6502 | 5.2119 | Ave | | 5 | | | | 5.4 | | 20.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5829-1 Analy Batch No.: 17459

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 08:30 Calibration End Date: 09/21/2009 08:55 Calibration ID: 3159

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17459/6 | gc5f4107.d |
| Level 2 | IC 460-17459/5 | gc5f4106.d |
| Level 3 | IC 460-17459/4 | gc5f4105.d |
| Level 4 | IC 460-17459/3 | gc5f4104.d |
| Level 5 | IC 460-17459/2 | gc5f4103.d |

| ANALYTE | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Methanol | Ave | 2305 | 7905 | 18516 | 85781 | 178239 | 500 | 2000 | 5000 | 25000 | 50000 |
| Ethanol | Ave | 2469 | 8324 | 19745 | 89907 | 190050 | 500 | 2000 | 5000 | 25000 | 50000 |
| 2-Methyl-2-propanol | Ave | 2814 | 8783 | 20849 | 94731 | 202395 | 500 | 2000 | 5000 | 25000 | 50000 |
| Isopropyl alcohol | Ave | 3673 | 12012 | 29679 | 142469 | 293398 | 500 | 2000 | 5000 | 25000 | 50000 |
| Propanol | Ave | 2619 | 9946 | 27850 | 124735 | 244933 | 500 | 2000 | 5000 | 25000 | 50000 |
| Isobutyl alcohol | Ave | 2656 | 9565 | 22956 | 113978 | 230951 | 500 | 2000 | 5000 | 25000 | 50000 |
| n-Butanol | Ave | 2843 | 9771 | 24905 | 130095 | 264193 | 500 | 2000 | 5000 | 25000 | 50000 |
| sec-Butyl Alcohol | Ave | 2714 | 9316 | 22616 | 124633 | 254001 | 500 | 2000 | 5000 | 25000 | 50000 |
| 1-Pentanol | Ave | 2354 | 9402 | 23251 | 130298 | 254934 | 500 | 2000 | 5000 | 25000 | 50000 |

Curve Type Legend:
Ave = Average

Data File: gc5f4103.d
Report Date: 21-Sep-2009 09:57

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/gc5f4103.d
Lab Smp Id: SGALCL5_00002
Inj Date : 21-SEP-2009 08:30
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL5_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/alcohols2008.m
Meth Date : 21-Sep-2009 09:57 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:30 Cal File: gc5f4103.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|
| | | | | | CAL-AMT | ON-COL |
| Compounds | RT | EXP RT | DLT RT | RESPONSE | ( ug/L) | ( ug/L) |
| 3 Methanol | 0.823 | 0.820 | 0.003 | 178239 | 50000.0 | 50000(M) |
| 5 Ethanol | 1.047 | 1.043 | 0.004 | 190050 | 50000.0 | 50200(AM) |
| 4 tert-Butyl Alcohol | 1.237 | 1.233 | 0.004 | 202395 | 50000.0 | 50600(AM) |
| 6 Isopropanol | 1.393 | 1.390 | 0.003 | 293398 | 50000.0 | 50300(AM) |
| 7 1-Propanol | 1.673 | 1.667 | 0.006 | 244933 | 50000.0 | 47500(M) |
| 9 Isobutanol | 1.953 | 1.950 | 0.003 | 230951 | 50000.0 | 50300(AM) |
| 10 n-Butanol(1-Butanol) | 2.223 | 2.220 | 0.003 | 264193 | 50000.0 | 51200(AM) |
| 8 2-Butanol | 2.560 | 2.557 | 0.003 | 254001 | 50000.0 | 52200(AM) |
| $ 11 1-Pentanol (sur) | 3.567 | 3.570 | -0.003 | 254934 | 50000.0 | 51100(AM) |

QC Flag Legend

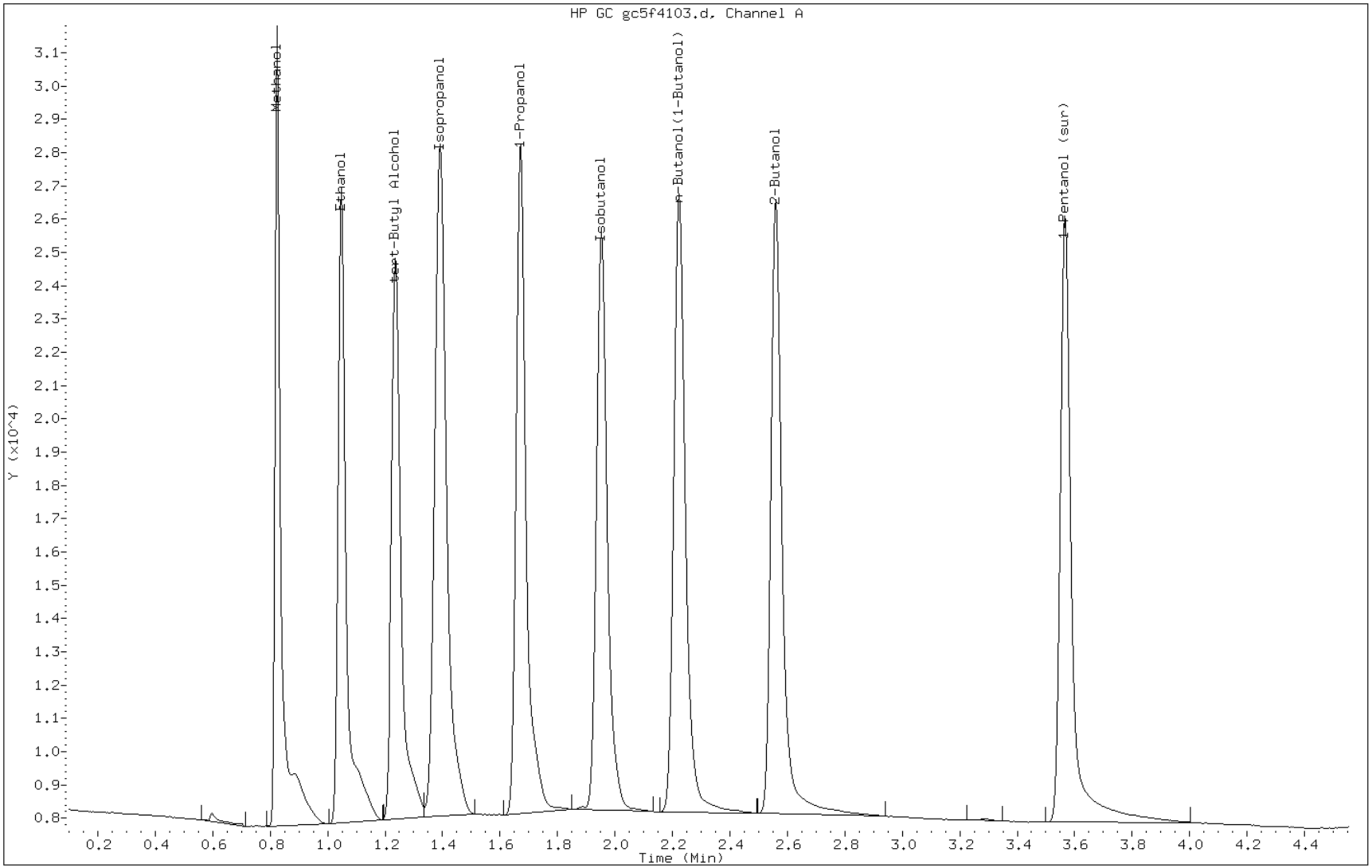
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Data File: gc5f4103.d

Date: 21-SEP-2009 08:30

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL5_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.67

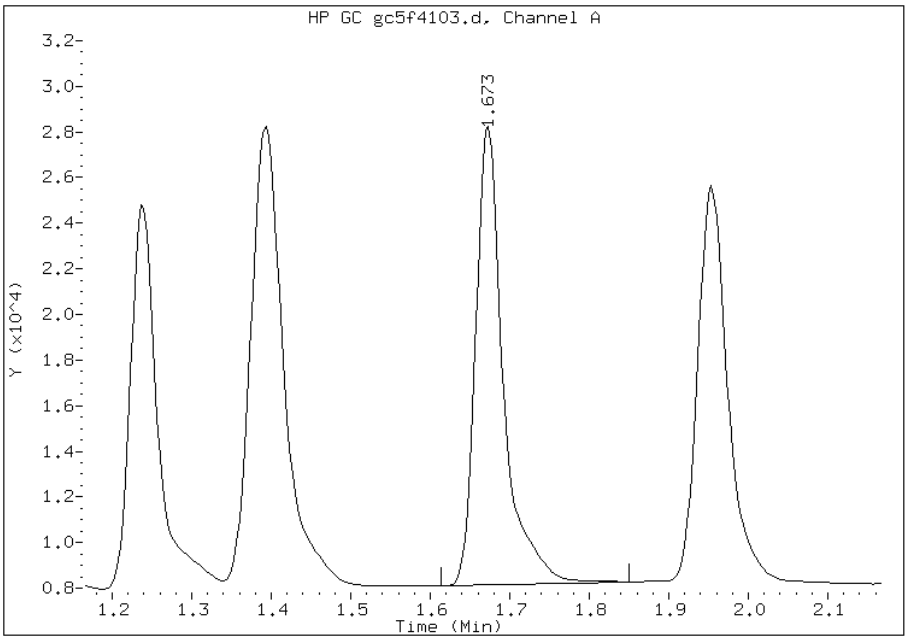
## Manual Integration Results

RT: 1.67

Response: 244933

Amount: 47535.01

Conc: 47535.01




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.22

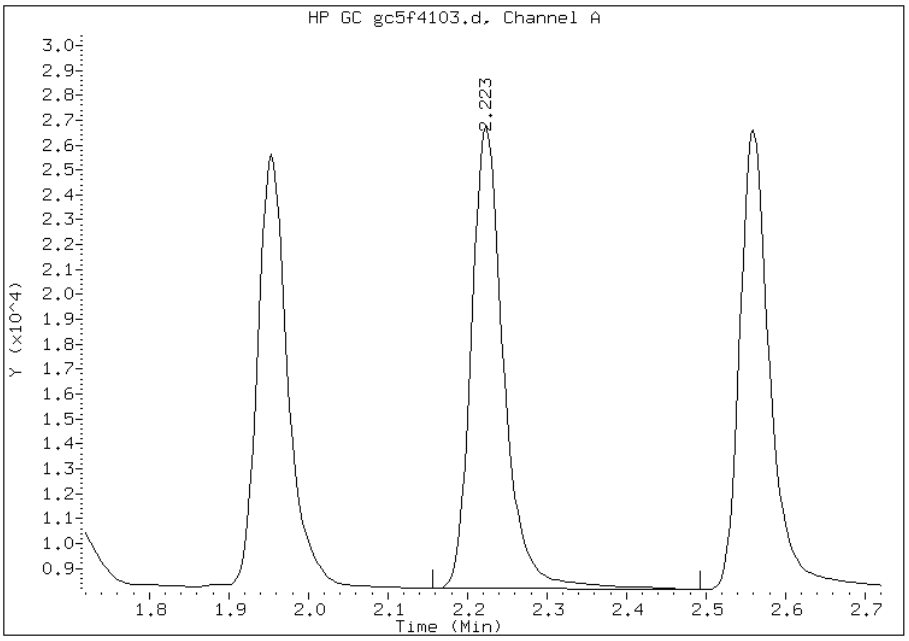
## Manual Integration Results

RT: 2.22

Response: 264193

Amount: 51237.73

Conc: 51237.73




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound: 4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.23

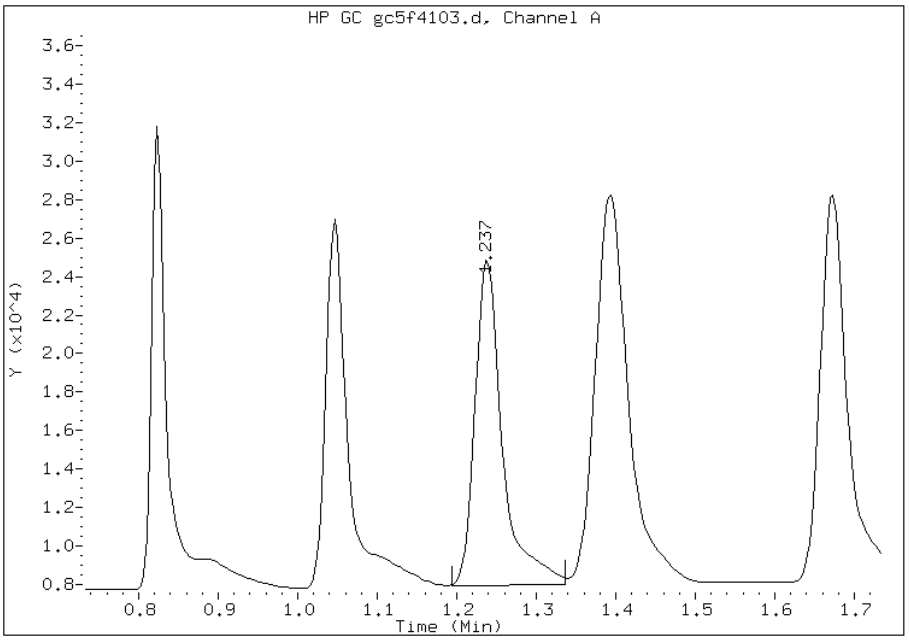
## Manual Integration Results

RT: 1.24

Response: 202395

Amount: 50569.50

Conc: 50569.50




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

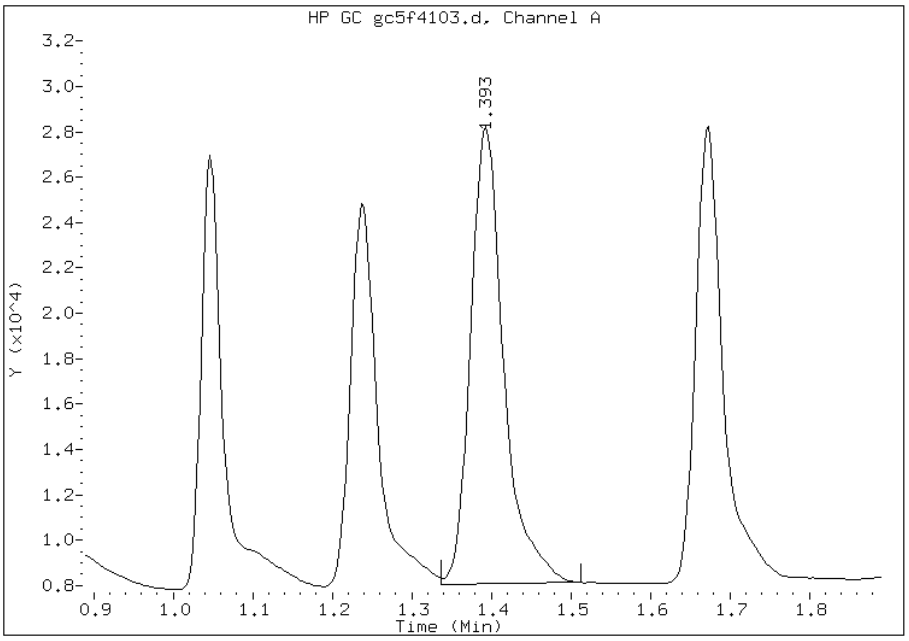
## Manual Integration Results

RT: 1.39

Response: 293398

Amount: 50289.56

Conc: 50289.56




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.04

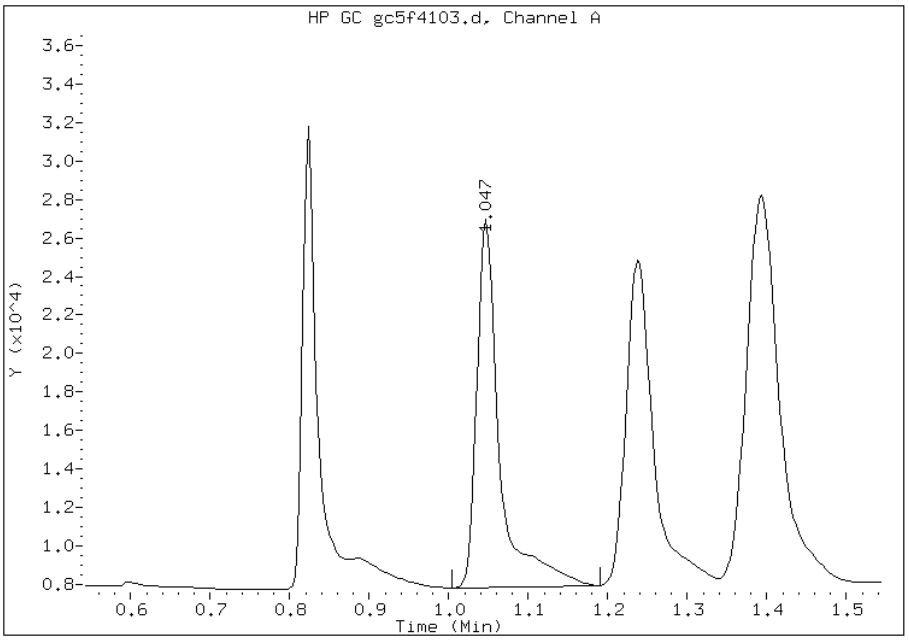
## Manual Integration Results

RT: 1.05

Response: 190050

Amount: 50249.95

Conc: 50249.95




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.57

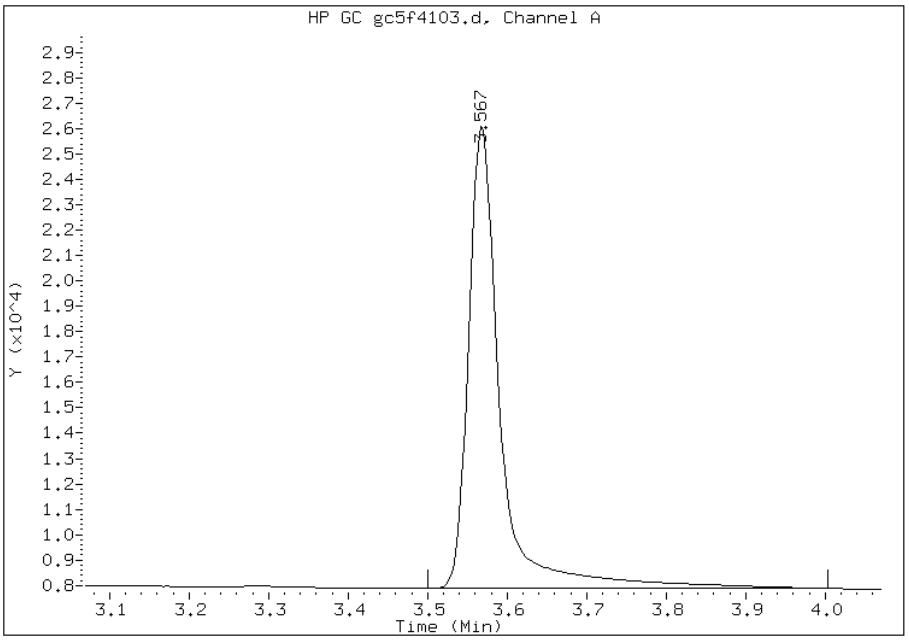
## Manual Integration Results

RT: 3.57

Response: 254934

Amount: 51120.39

Conc: 51120.39




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.56

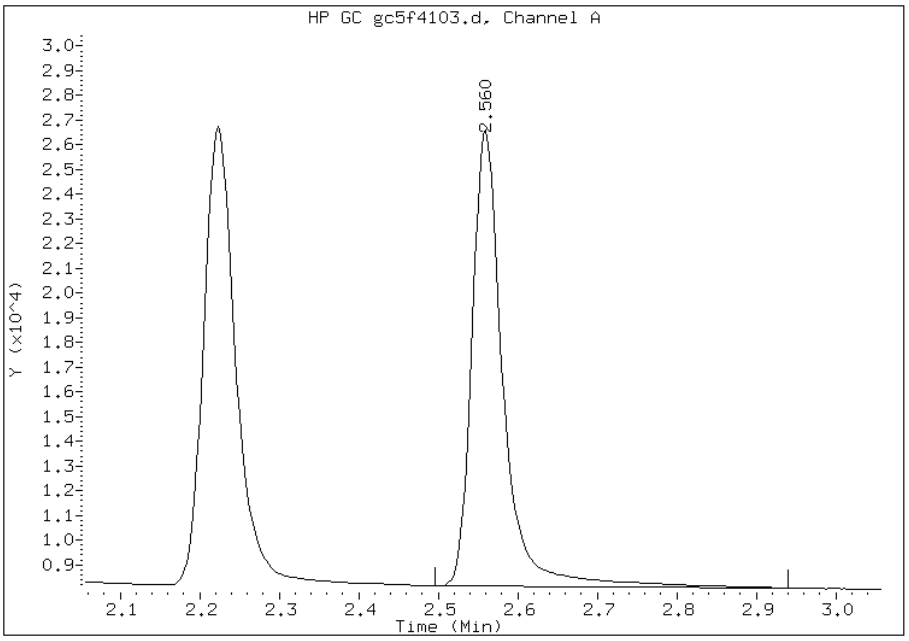
## Manual Integration Results

RT: 2.56

Response: 254001

Amount: 52232.99

Conc: 52232.99




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.95

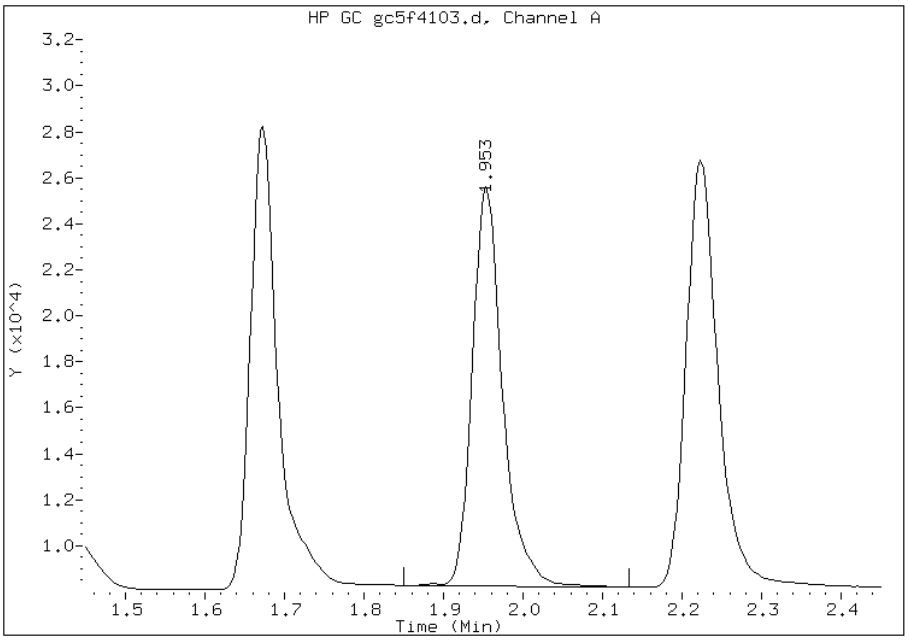
## Manual Integration Results

RT: 1.95

Response: 230951

Amount: 50318.53

Conc: 50318.53




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 0.82

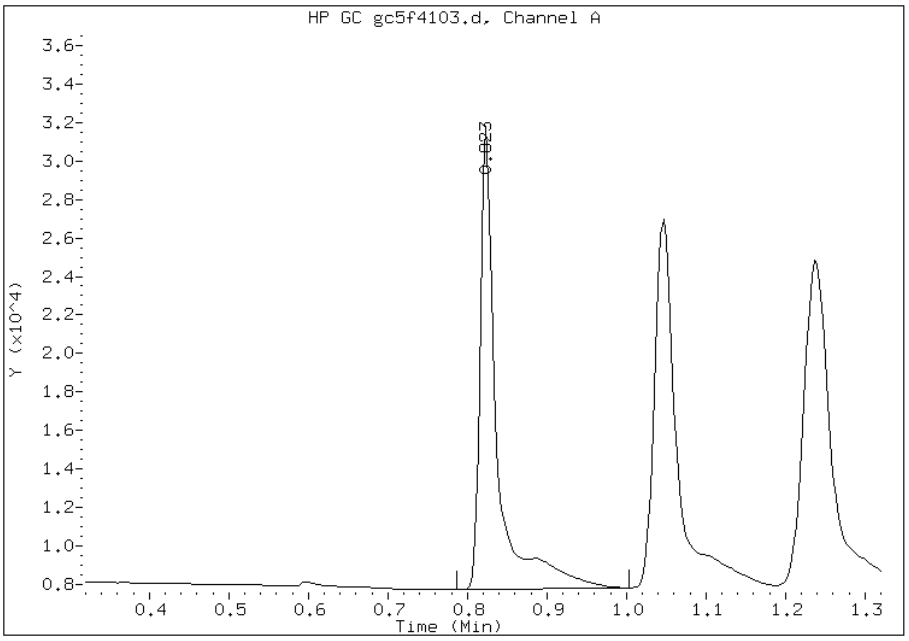
## Manual Integration Results

RT: 0.82

Response: 178239

Amount: 49977.19

Conc: 49977.19




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4104.d
Report Date: 21-Sep-2009 09:57

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/gc5f4104.d
Lab Smp Id: SGALCL4_00002
Inj Date  : 21-SEP-2009 08:37
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : SGALCL4_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/alcohols2008.m
Meth Date : 21-Sep-2009 09:57 patelhe Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:37 Cal File: gc5f4104.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.820 | 0.820 | 0.000 | 85781 | 25000.0 | 24000(M) |
| 5 Ethanol | 1.043 | 1.043 | 0.000 | 89907 | 25000.0 | 23800(M) |
| 4 tert-Butyl Alcohol | 1.237 | 1.233 | 0.004 | 94731 | 25000.0 | 23700(M) |
| 6 Isopropanol | 1.390 | 1.390 | 0.000 | 142469 | 25000.0 | 24400(M) |
| 7 1-Propanol | 1.670 | 1.667 | 0.003 | 124735 | 25000.0 | 24200(M) |
| 9 Isobutanol | 1.950 | 1.950 | 0.000 | 113978 | 25000.0 | 24800(M) |
| 10 n-Butanol(1-Butanol) | 2.220 | 2.220 | 0.000 | 130095 | 25000.0 | 25200(M) |
| 8 2-Butanol | 2.557 | 2.557 | 0.000 | 124633 | 25000.0 | 25600(M) |
| $ 11 1-Pentanol (sur) | 3.563 | 3.570 | -0.007 | 130298 | 25000.0 | 26100 |

QC Flag Legend

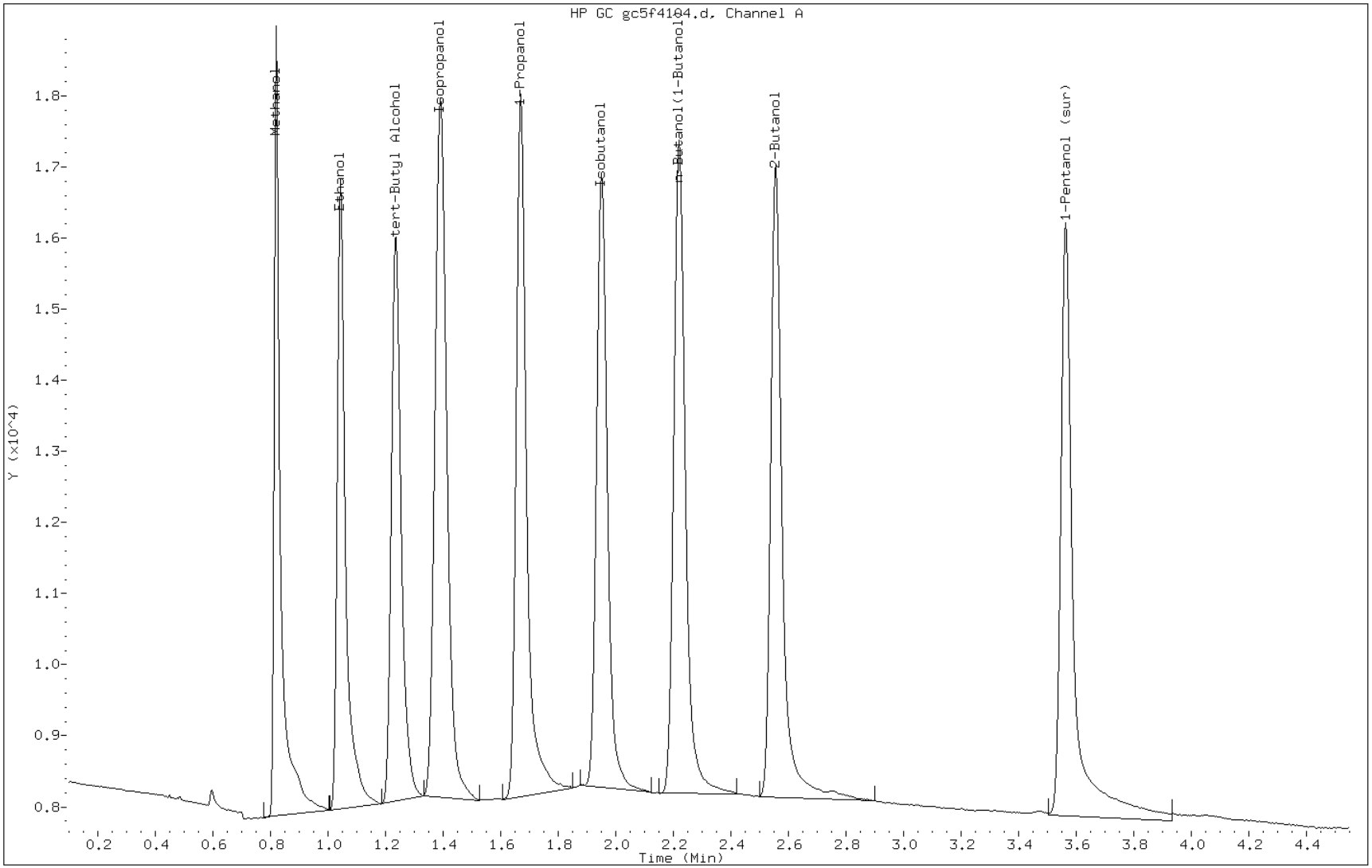
M - Compound response manually integrated.

Data File: gc5f4104.d

Date: 21-SEP-2009 08:37

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL4_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.95

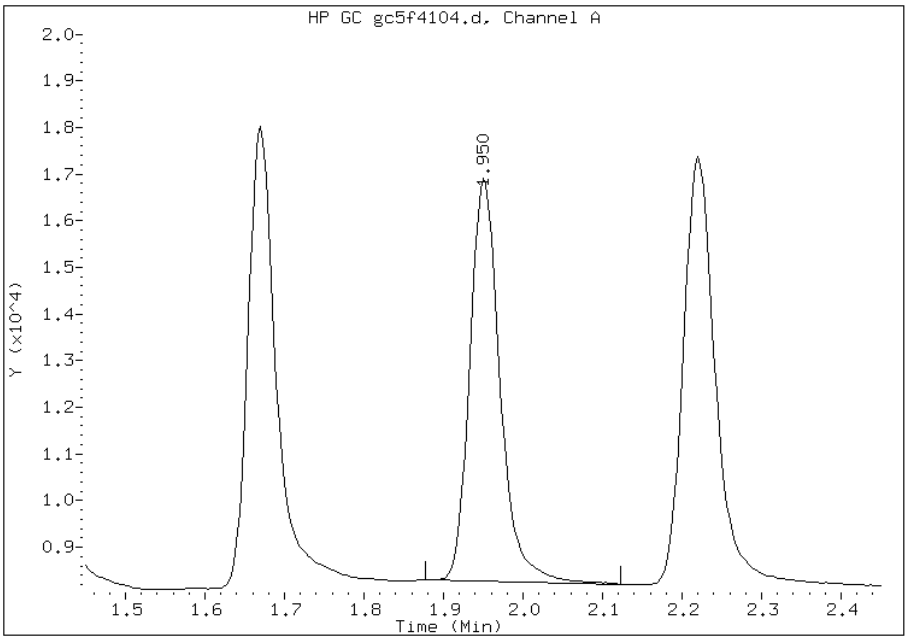
## Manual Integration Results

RT: 1.95

Response: 113978

Amount: 24833.00

Conc: 24833.00




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.22

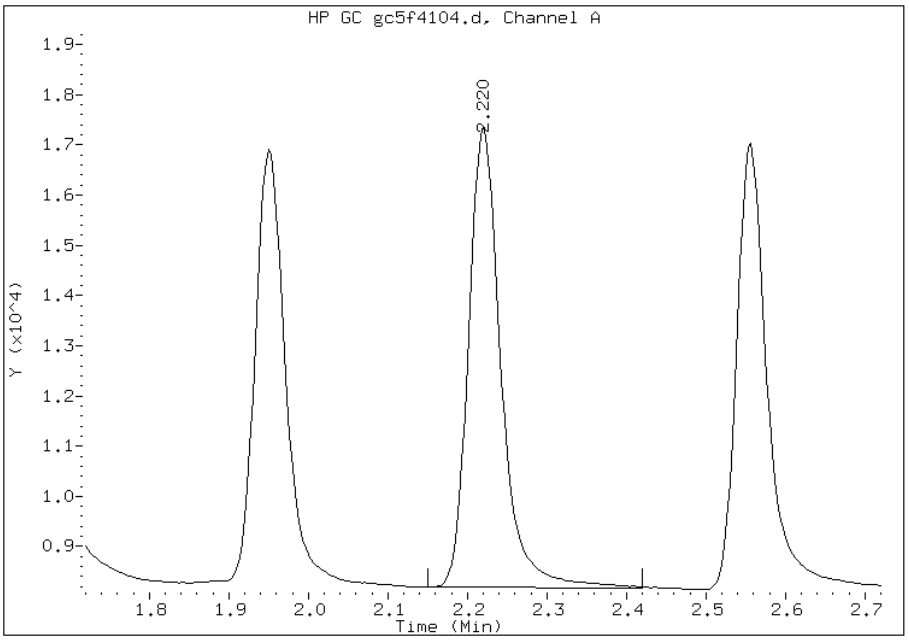
## Manual Integration Results

RT: 2.22

Response: 130095

Amount: 25230.69

Conc: 25230.69




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

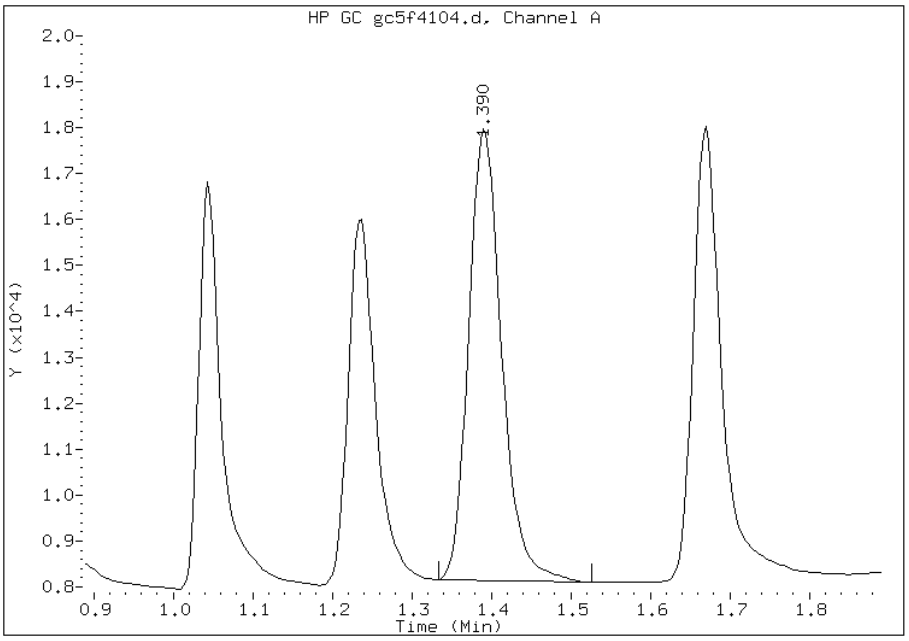
## Manual Integration Results

RT: 1.39

Response: 142469

Amount: 24419.74

Conc: 24419.74




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 0.82

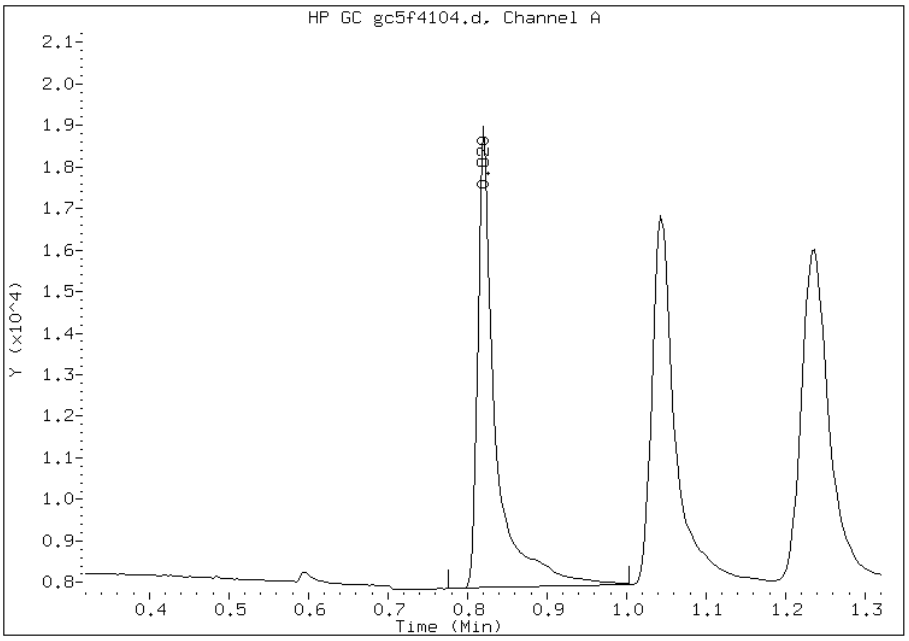
## Manual Integration Results

RT: 0.82

Response: 85781

Amount: 24052.50

Conc: 24052.50




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.67

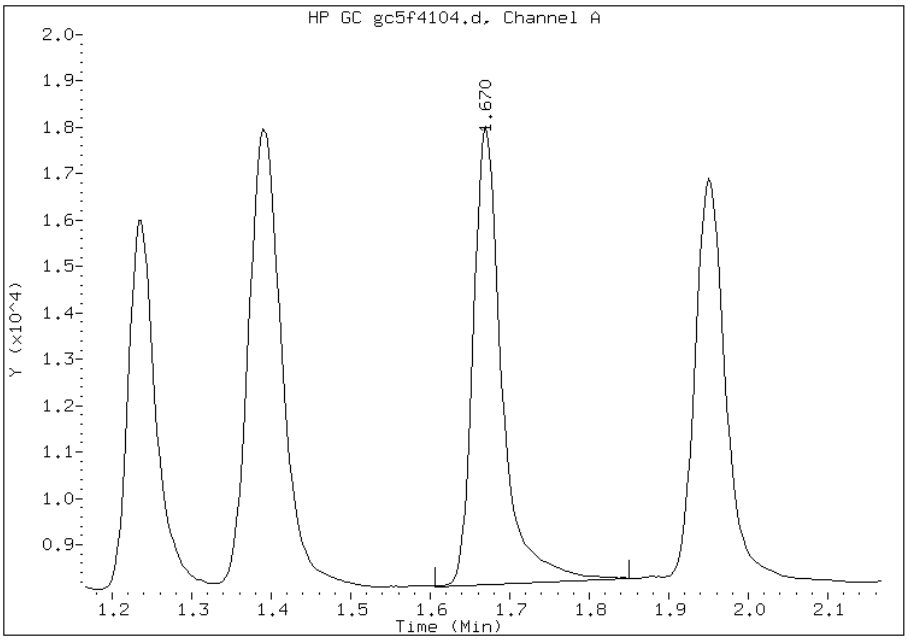
## Manual Integration Results

RT: 1.67

Response: 124735

Amount: 24207.76

Conc: 24207.76




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.04

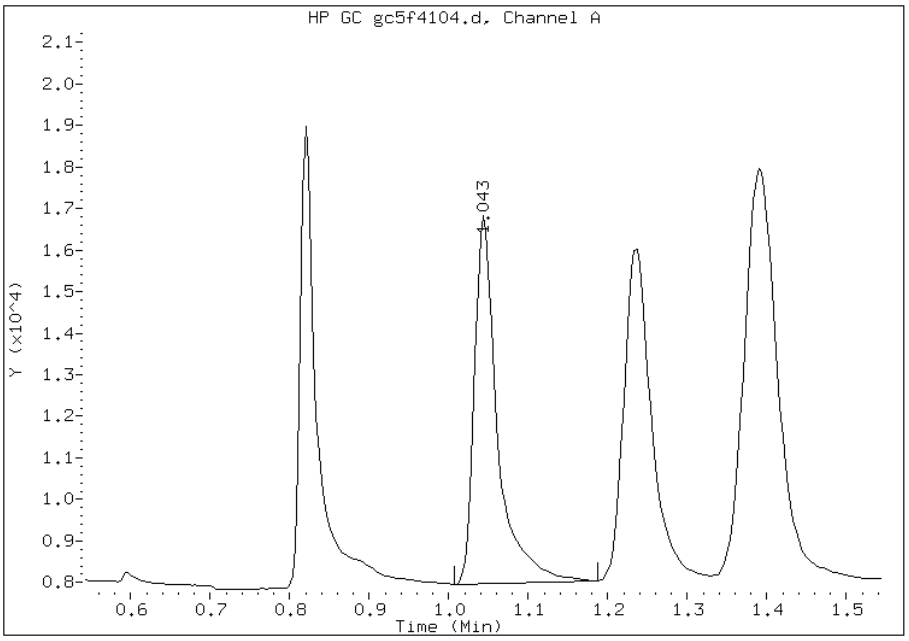
## Manual Integration Results

RT: 1.04

Response: 89907

Amount: 23771.76

Conc: 23771.76




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/21/2009

Processing Integration Results

Not Detected

Expected RT: 1.23

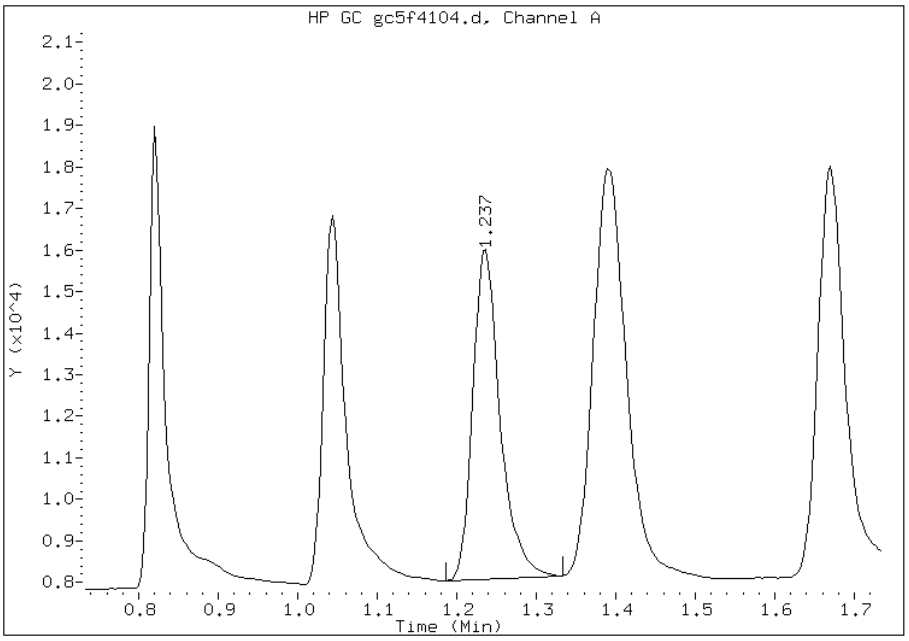
Manual Integration Results

RT: 1.24

Response: 94731

Amount: 23669.06

Conc: 23669.06




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.56

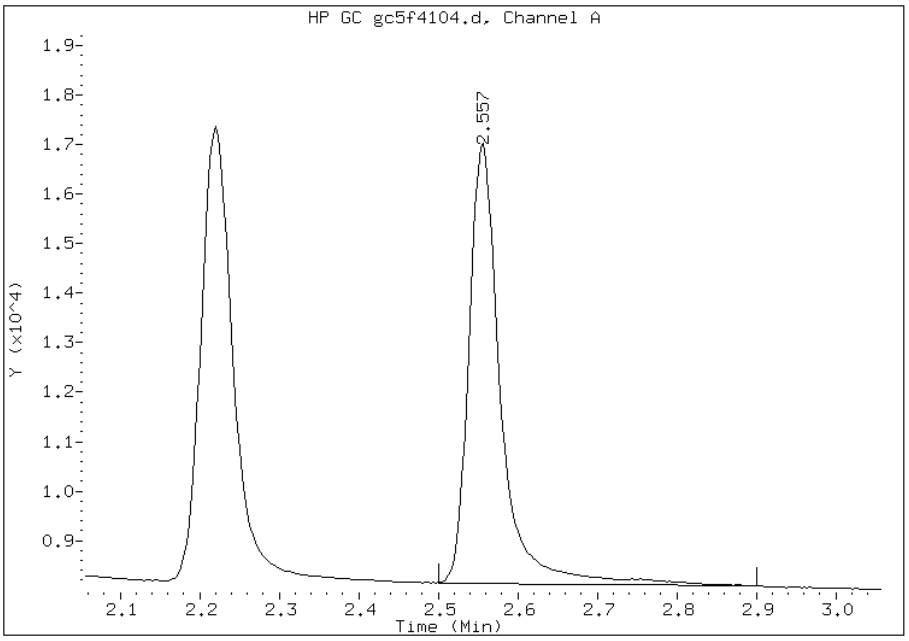
## Manual Integration Results

RT: 2.56

Response: 124633

Amount: 25629.64

Conc: 25629.64




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4105.d
Report Date: 21-Sep-2009 09:57

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/gc5f4105.d
Lab Smp Id: SGALCL3_00002
Inj Date  : 21-SEP-2009 08:43
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/alcohols2008.m
Meth Date : 21-Sep-2009 09:57 patelhe Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:43 Cal File: gc5f4105.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.820 | 0.820 | 0.000 | 18516 | 5000.00 | 5190(M) |
| 5 Ethanol | 1.043 | 1.043 | 0.000 | 19745 | 5000.00 | 5220(M) |
| 4 tert-Butyl Alcohol | 1.233 | 1.233 | 0.000 | 20849 | 5000.00 | 5210(M) |
| 6 Isopropanol | 1.390 | 1.390 | 0.000 | 29679 | 5000.00 | 5090(M) |
| 7 1-Propanol | 1.667 | 1.667 | 0.000 | 27850 | 5000.00 | 5400(M) |
| 9 Isobutanol | 1.950 | 1.950 | 0.000 | 22956 | 5000.00 | 5000(M) |
| 10 n-Butanol(1-Butanol) | 2.220 | 2.220 | 0.000 | 24905 | 5000.00 | 4830(M) |
| 8 2-Butanol | 2.557 | 2.557 | 0.000 | 22616 | 5000.00 | 4650(M) |
| $ 11 1-Pentanol (sur) | 3.570 | 3.570 | 0.000 | 23251 | 5000.00 | 4660(M) |

QC Flag Legend

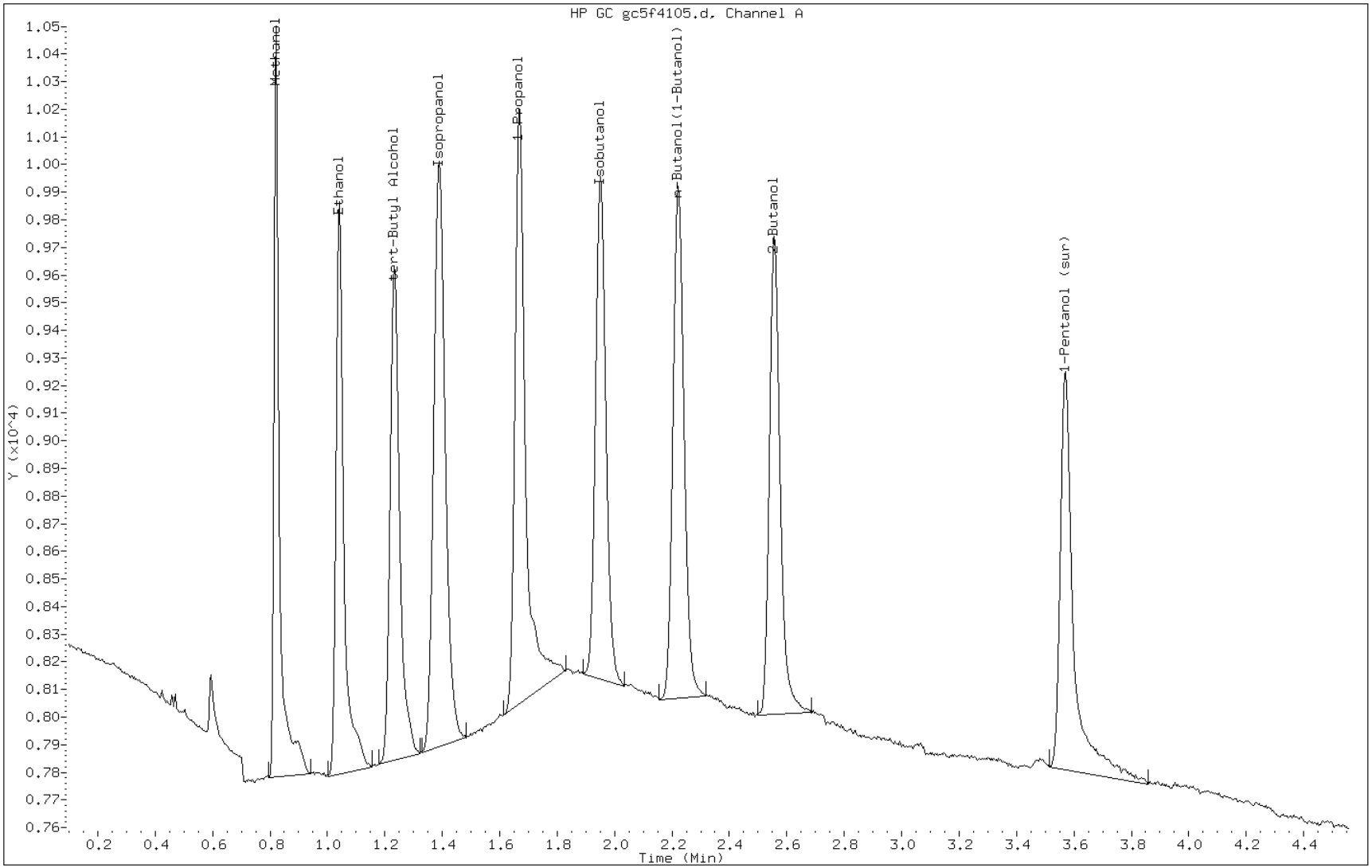
M - Compound response manually integrated.

Data File: gc5f4105.d

Date: 21-SEP-2009 08:43

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.04

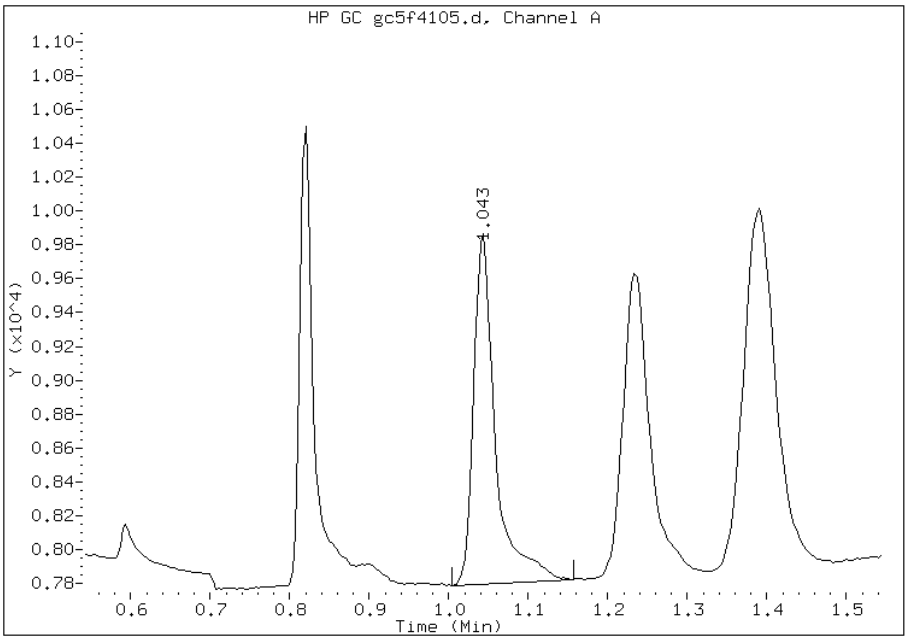
## Manual Integration Results

RT: 1.04

Response: 19745

Amount: 5220.65

Conc: 5220.65




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 0.82

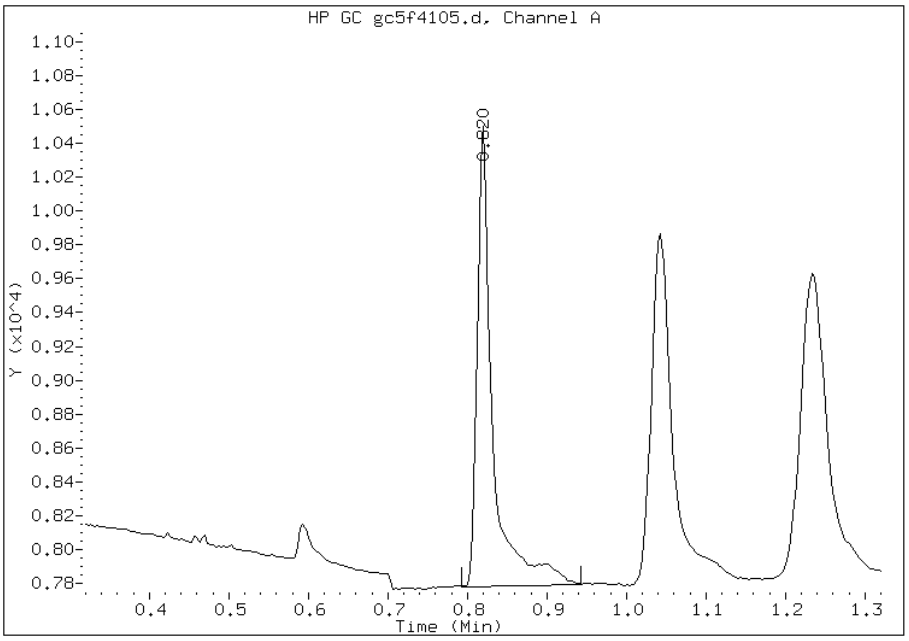
## Manual Integration Results

RT: 0.82

Response: 18516

Amount: 5191.78

Conc: 5191.78




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.57

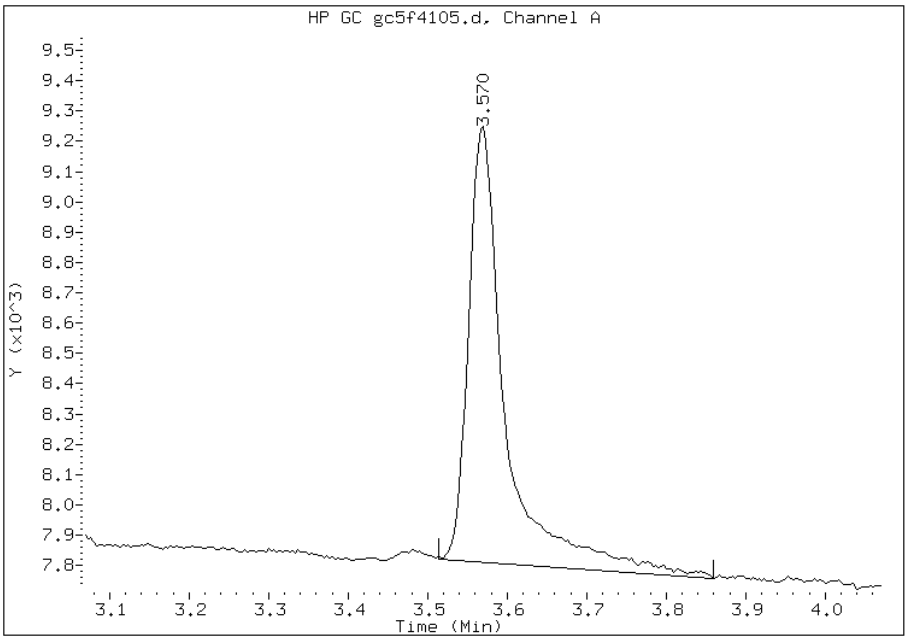
## Manual Integration Results

RT: 3.57

Response: 23251

Amount: 4662.38

Conc: 4662.38




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.22

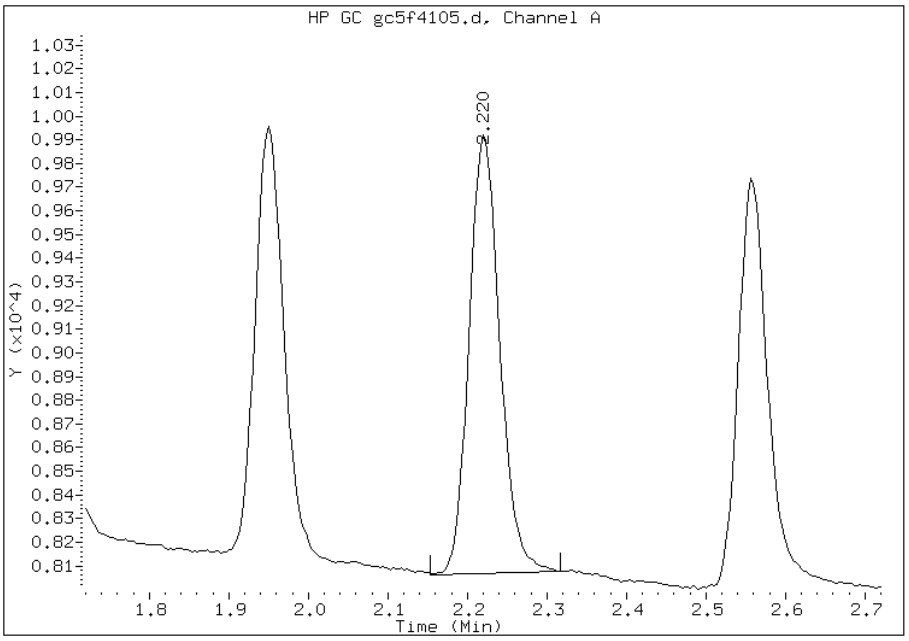
## Manual Integration Results

RT: 2.22

Response: 24905

Amount: 4830.09

Conc: 4830.09




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.67

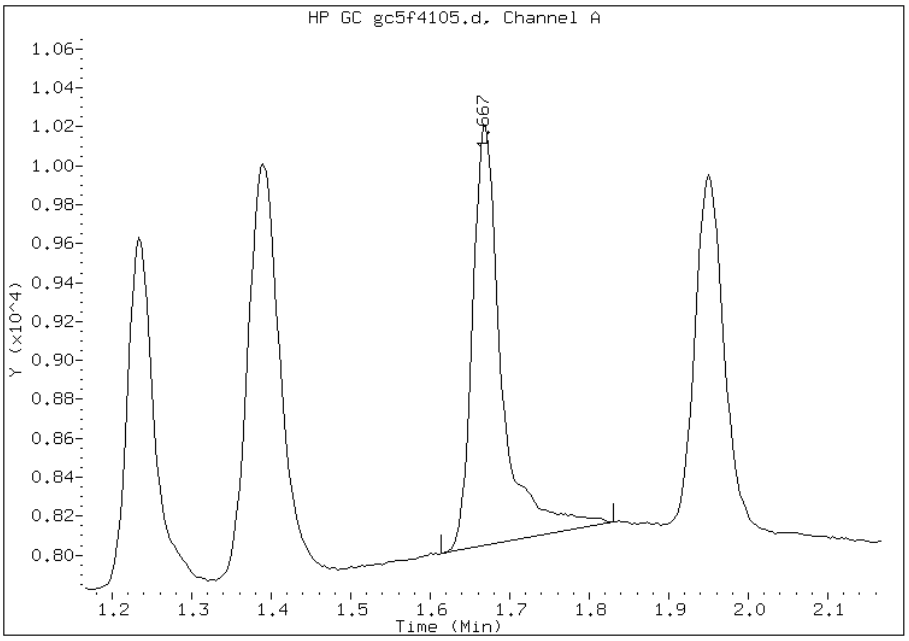
## Manual Integration Results

RT: 1.67

Response: 27850

Amount: 5404.95

Conc: 5404.95




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

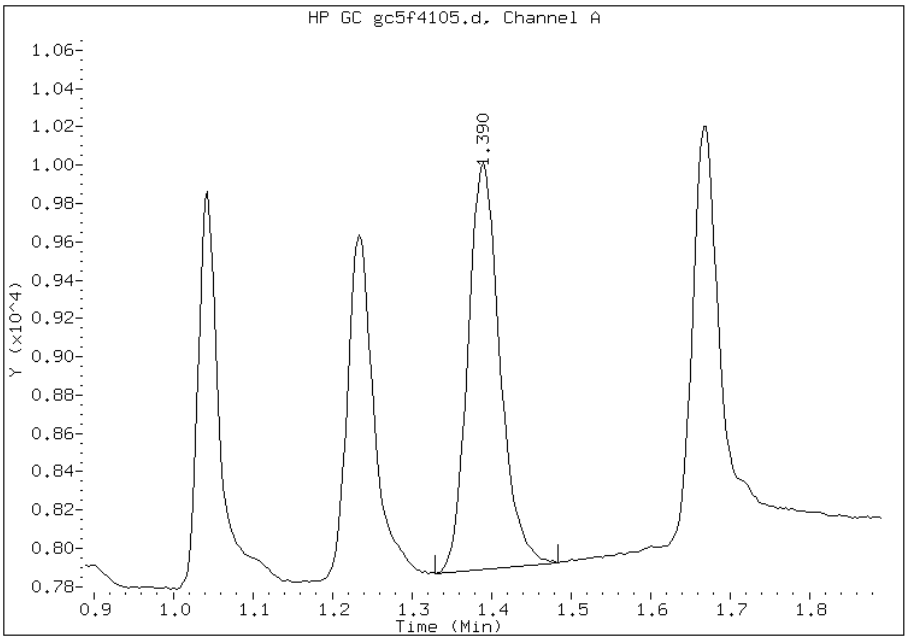
## Manual Integration Results

RT: 1.39

Response: 29679

Amount: 5087.10

Conc: 5087.10




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.56

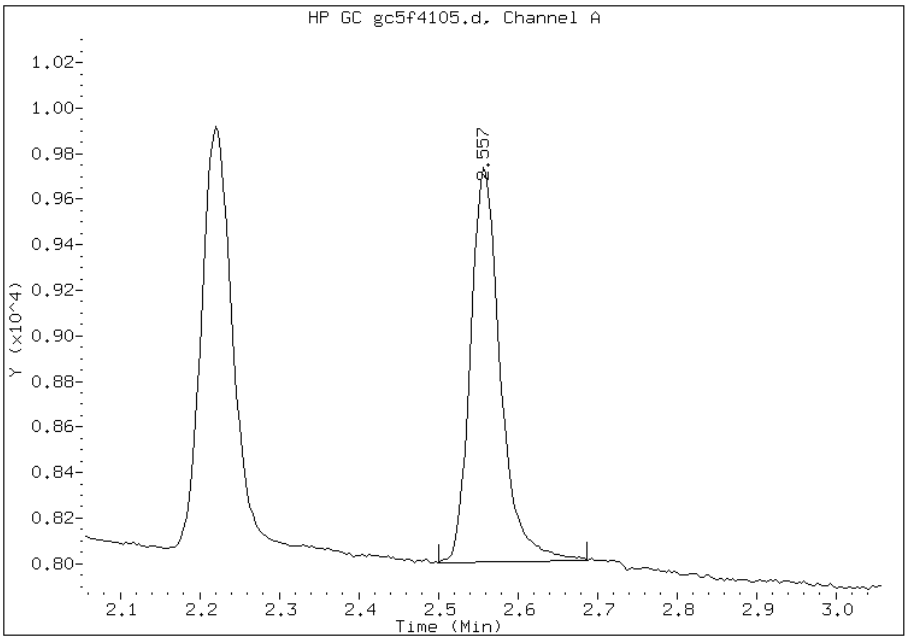
## Manual Integration Results

RT: 2.56

Response: 22616

Amount: 4650.77

Conc: 4650.77




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.95

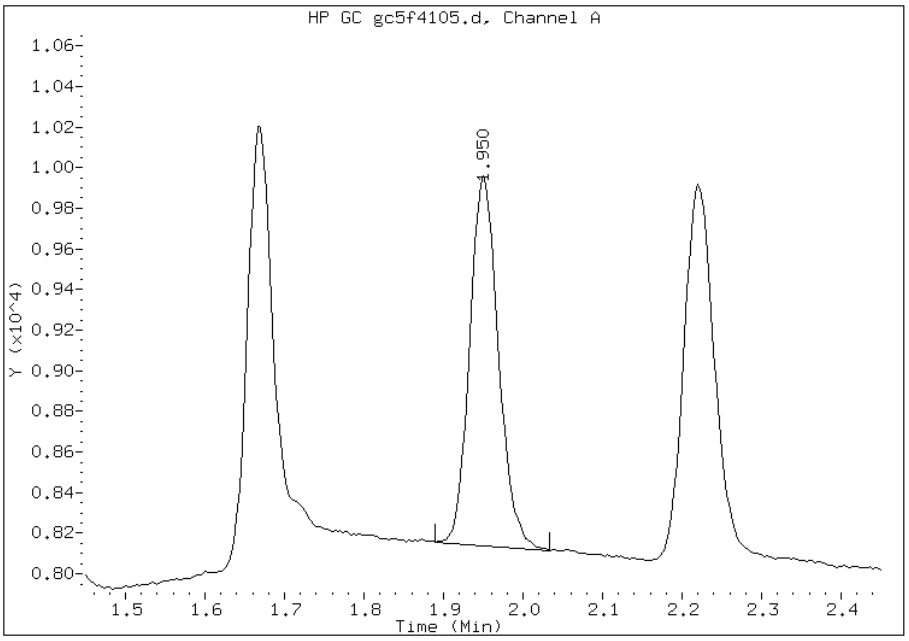
## Manual Integration Results

RT: 1.95

Response: 22956

Amount: 5001.55

Conc: 5001.55




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.23

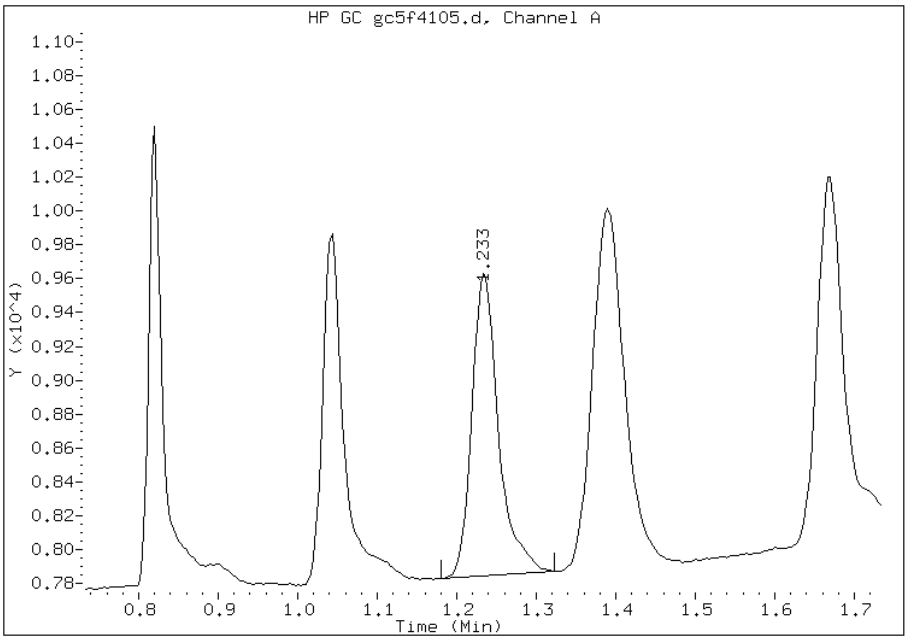
## Manual Integration Results

RT: 1.23

Response: 20849

Amount: 5209.24

Conc: 5209.24




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4106.d
Report Date: 21-Sep-2009 10:02

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/gc5f4106.d
Lab Smp Id: SGALCL2_00002
Inj Date : 21-SEP-2009 08:49
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL2_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/alcohols2008.m
Meth Date : 21-Sep-2009 10:02 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:49 Cal File: gc5f4106.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.829 | 0.820 | 0.009 | 7905 | 2000.00 | 2160 |
| 5 Ethanol | 1.053 | 1.043 | 0.010 | 8324 | 2000.00 | 2150 |
| 4 tert-Butyl Alcohol | 1.245 | 1.233 | 0.012 | 8783 | 2000.00 | 2140 |
| 6 Isopropanol | 1.401 | 1.390 | 0.011 | 12012 | 2000.00 | 2040 |
| 7 1-Propanol | 1.680 | 1.667 | 0.013 | 9946 | 2000.00 | 1950(M) |
| 9 Isobutanol | 1.963 | 1.950 | 0.013 | 9565 | 2000.00 | 2060 |
| 10 n-Butanol(1-Butanol) | 2.232 | 2.220 | 0.012 | 9771 | 2000.00 | 1920 |
| 8 2-Butanol | 2.570 | 2.557 | 0.013 | 9316 | 2000.00 | 1940(M) |
| $ 11 1-Pentanol (sur) | 3.580 | 3.570 | 0.010 | 9402 | 2000.00 | 1910(M) |

QC Flag Legend

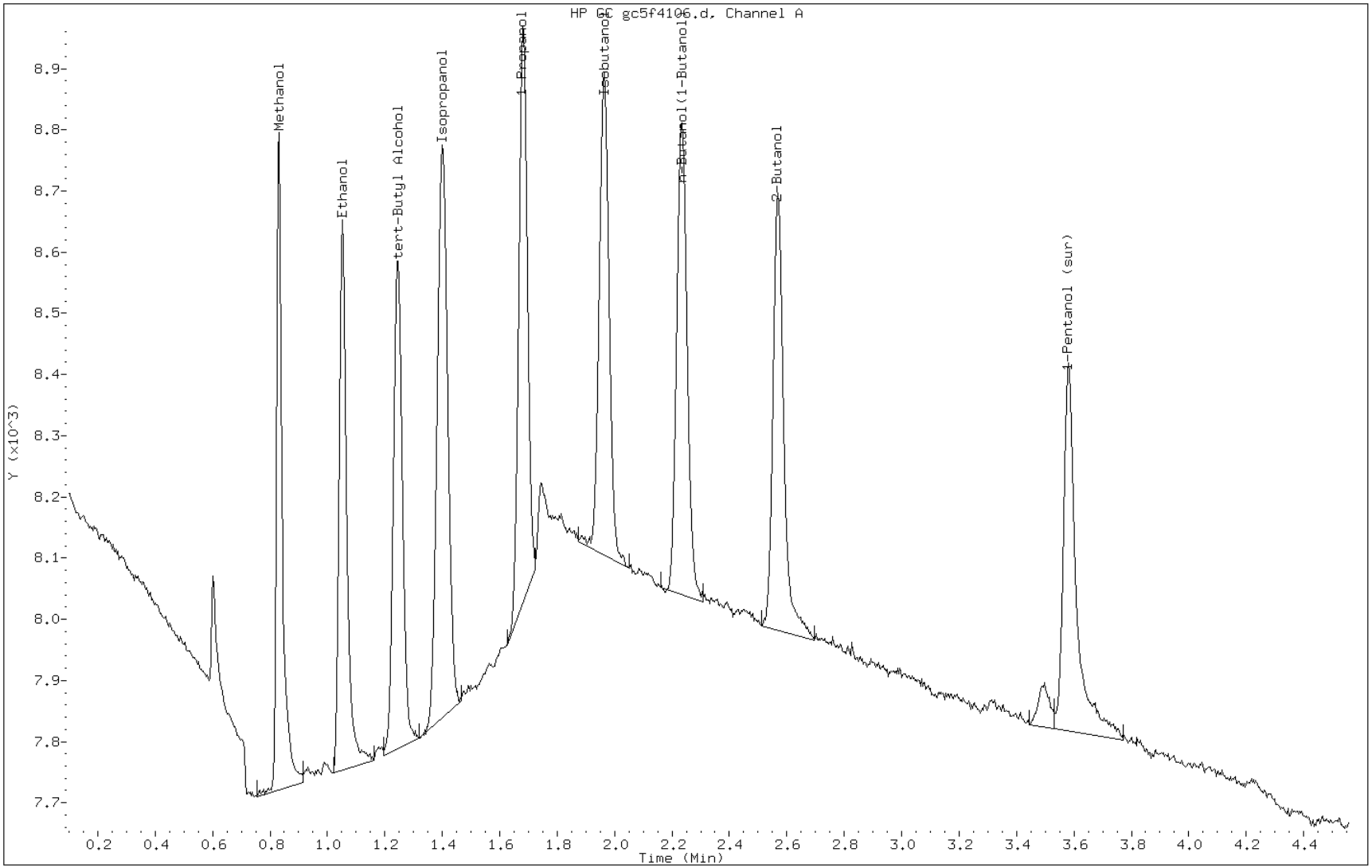
M - Compound response manually integrated.

Data File: gc5f4106.d

Date: 21-SEP-2009 08:49

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL2_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4106.d
Inj. Date and Time: 21-SEP-2009 08:49
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.67

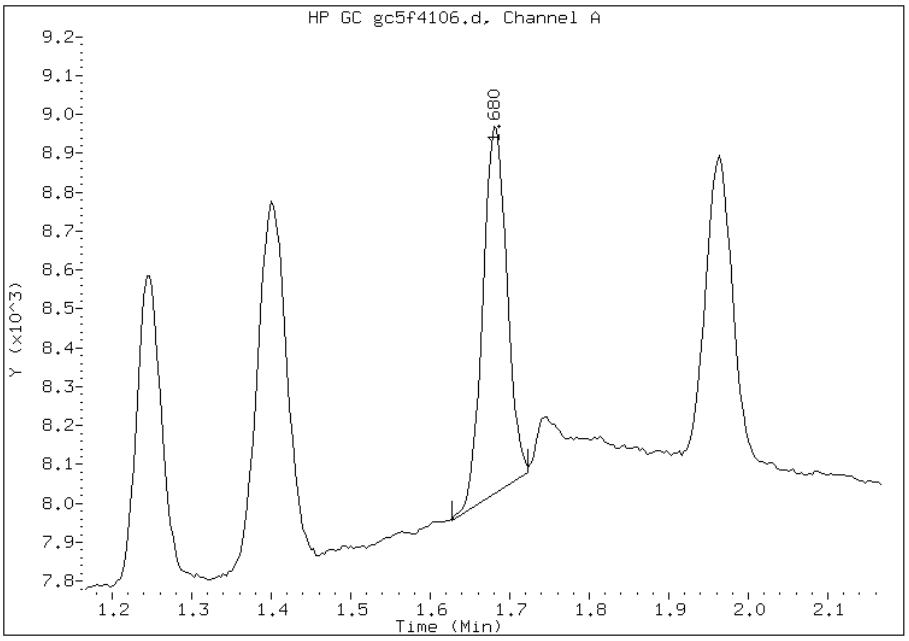
## Manual Integration Results

RT: 1.68

Response: 9946

Amount: 1947.23

Conc: 1947.23




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4106.d
Inj. Date and Time: 21-SEP-2009 08:49
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.57

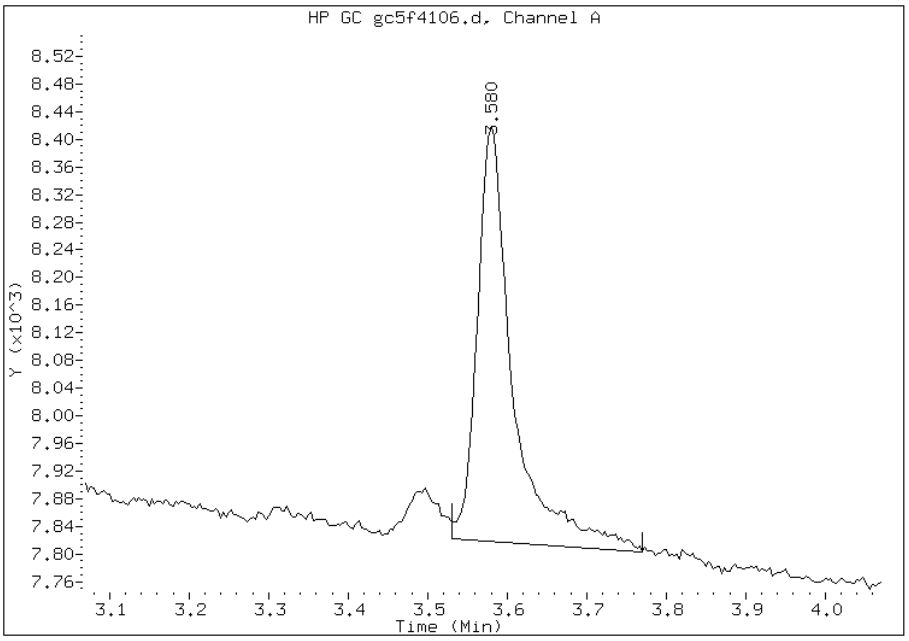
## Manual Integration Results

RT: 3.58

Response: 9402

Amount: 1912.74

Conc: 1912.74




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4106.d
Inj. Date and Time: 21-SEP-2009 08:49
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.56

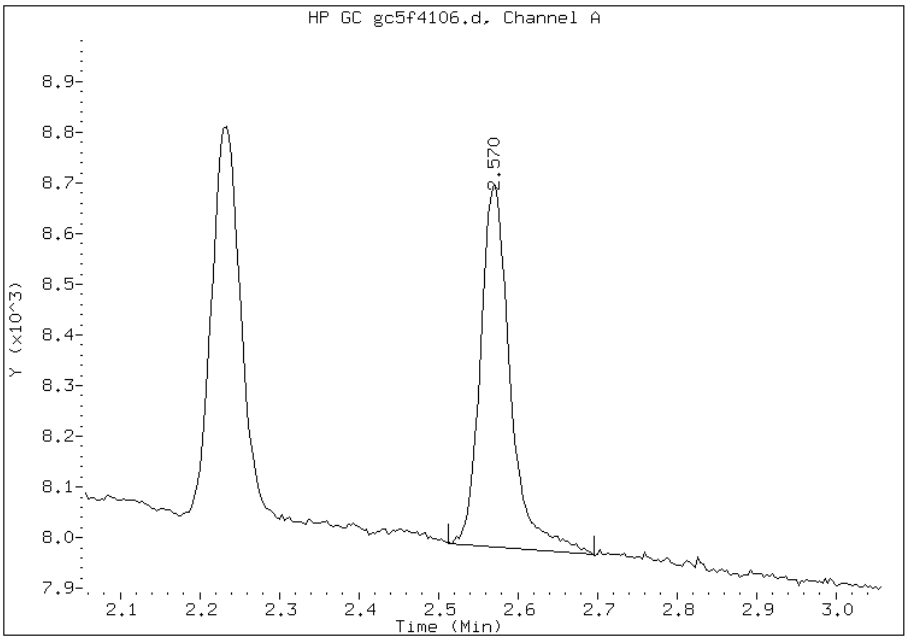
## Manual Integration Results

RT: 2.57

Response: 9316

Amount: 1936.14

Conc: 1936.14




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4107.d
Report Date: 21-Sep-2009 10:08

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/gc5f4107.d
Lab Smp Id: SGALCL1_00002
Inj Date : 21-SEP-2009 08:55
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL1_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/alcohols2008.m
Meth Date : 21-Sep-2009 10:08 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.827 | 0.820 | 0.007 | 2305 | 500.000 | 598(M) |
| 5 Ethanol | 1.050 | 1.043 | 0.007 | 2469 | 500.000 | 604(M) |
| 4 tert-Butyl Alcohol | 1.243 | 1.233 | 0.010 | 2814 | 500.000 | 639(M) |
| 6 Isopropanol | 1.397 | 1.390 | 0.007 | 3673 | 500.000 | 595(M) |
| 7 1-Propanol | 1.680 | 1.667 | 0.013 | 2619 | 500.000 | 510(M) |
| 9 Isobutanol | 1.960 | 1.950 | 0.010 | 2656 | 500.000 | 556 |
| 10 n-Butanol(1-Butanol) | 2.230 | 2.220 | 0.010 | 2843 | 500.000 | 546(M) |
| 8 2-Butanol | 2.567 | 2.557 | 0.010 | 2714 | 500.000 | 550(M) |
| $ 11 1-Pentanol (sur) | 3.577 | 3.570 | 0.007 | 2354 | 500.000 | 483(aM) |

QC Flag Legend

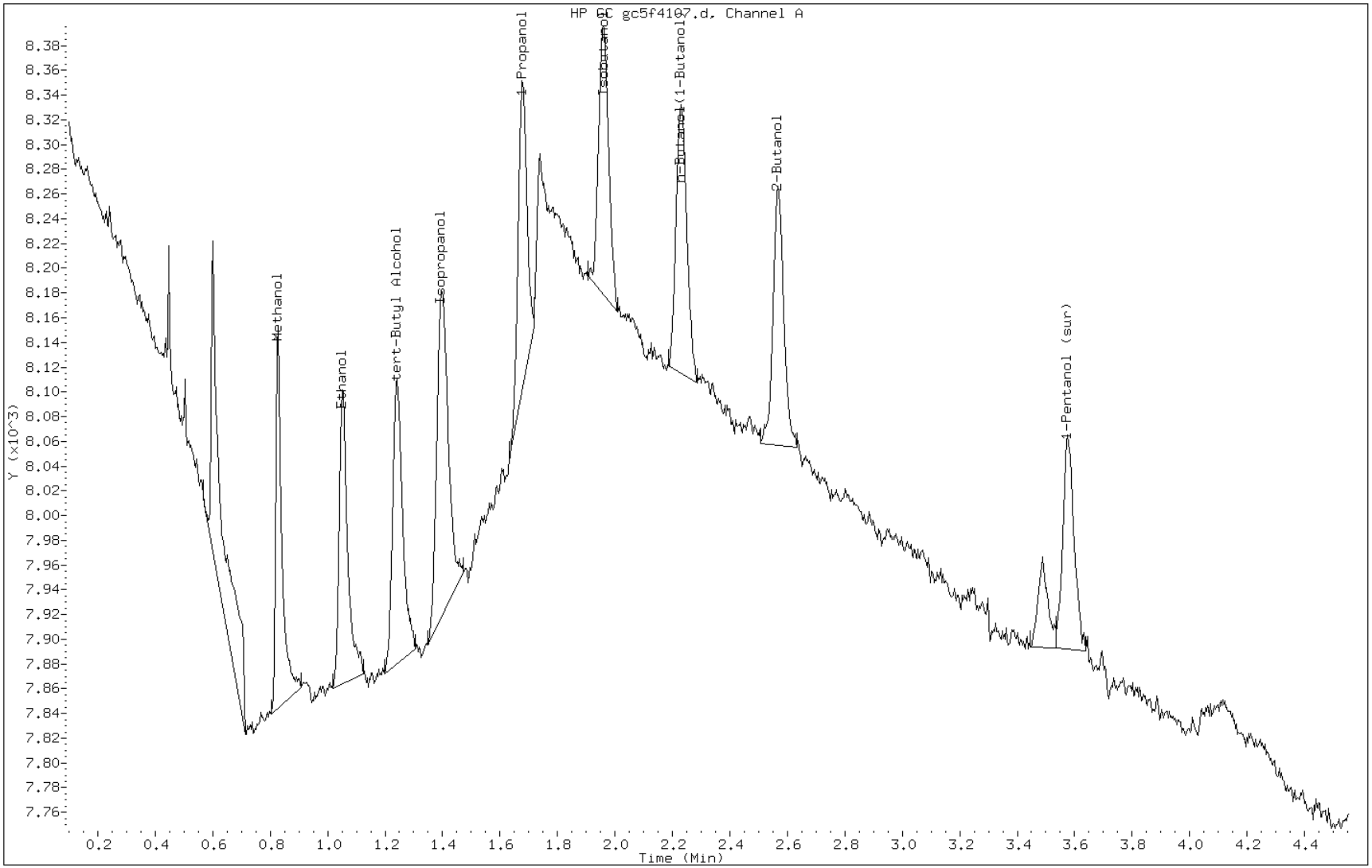
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: gc5f4107.d

Date: 21-SEP-2009 08:55

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL1_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.57

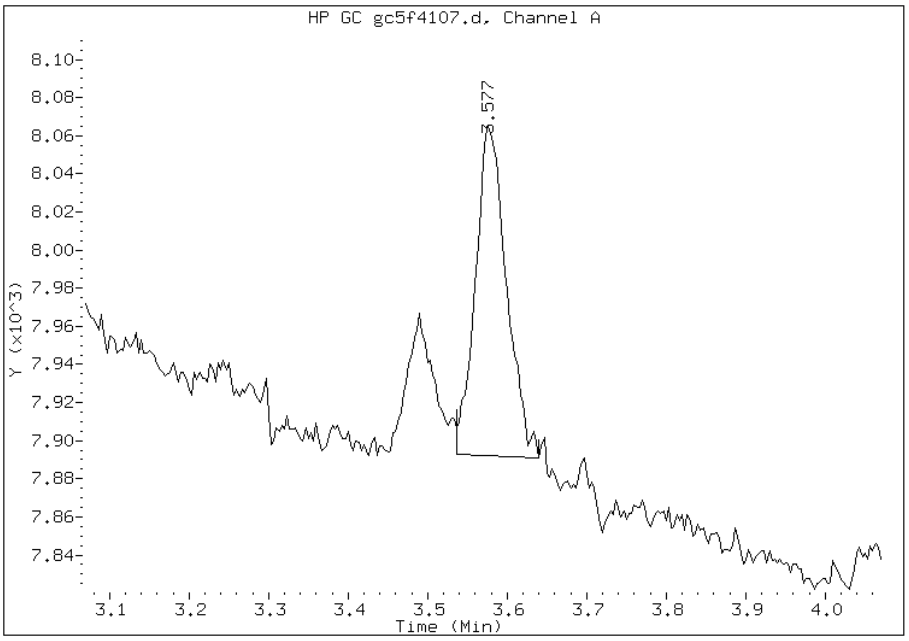
## Manual Integration Results

RT: 3.58

Response: 2354

Amount: 482.97

Conc: 482.97




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.22

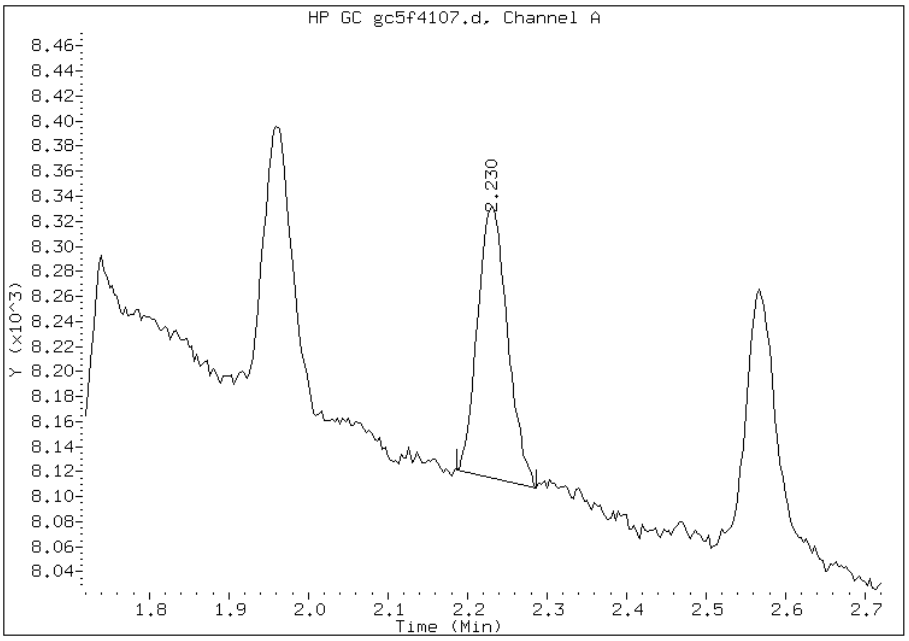
## Manual Integration Results

RT: 2.23

Response: 2843

Amount: 545.89

Conc: 545.89




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound: 3 Methanol
CAS #: 67-56-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 0.82

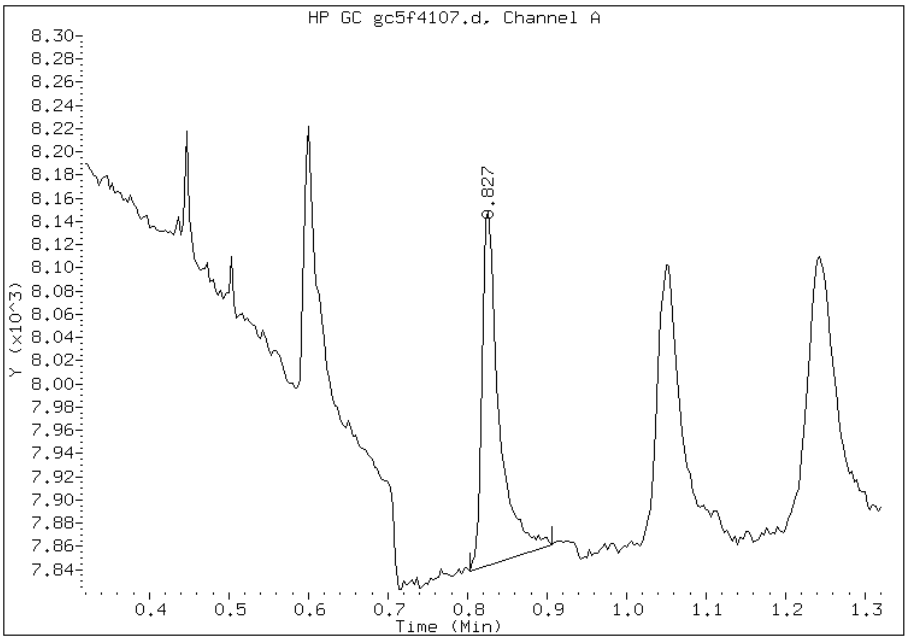
## Manual Integration Results

RT: 0.83

Response: 2305

Amount: 598.34

Conc: 598.34




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/21/2009

Processing Integration Results

Not Detected

Expected RT: 1.39

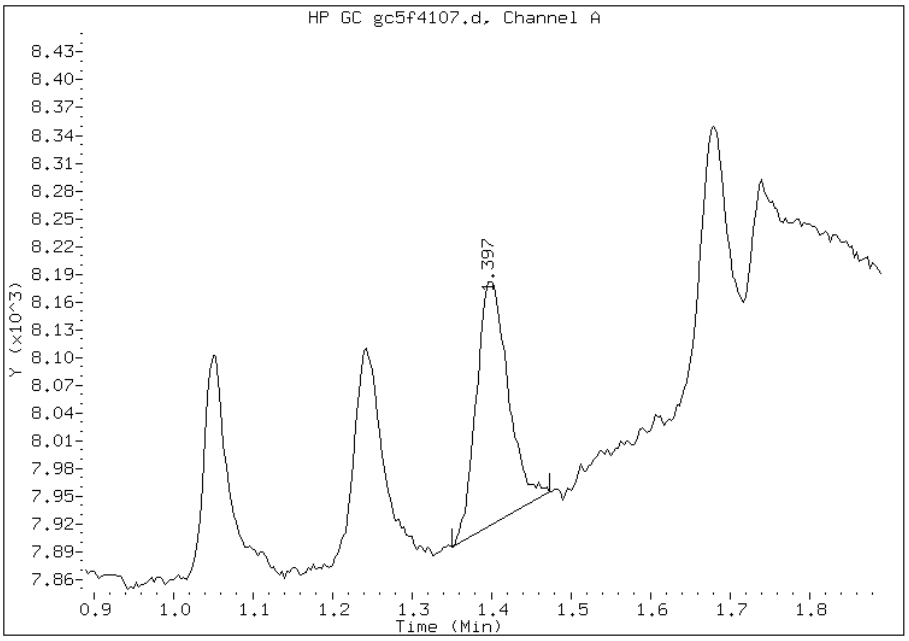
Manual Integration Results

RT: 1.40

Response: 3673

Amount: 595.21

Conc: 595.21




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.56

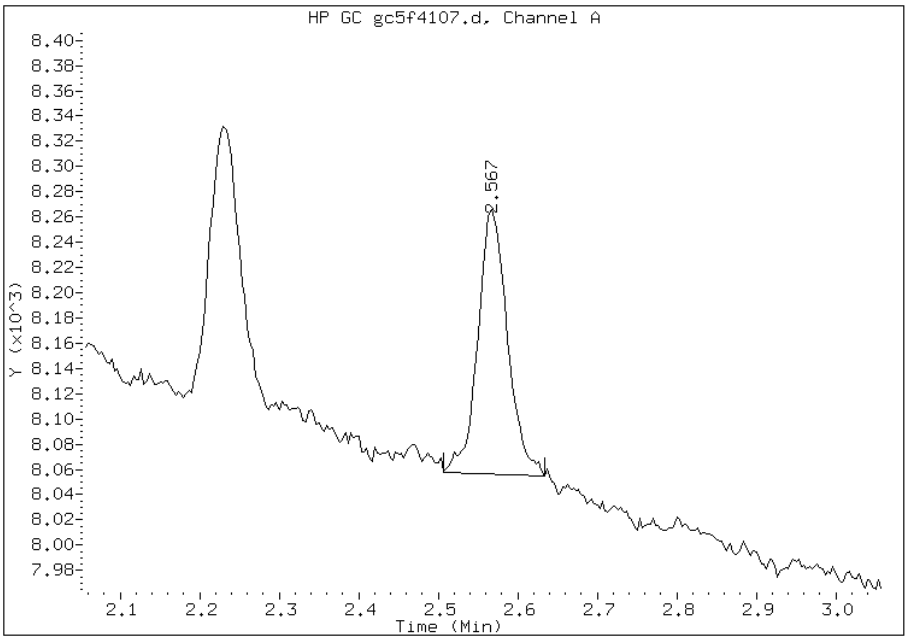
## Manual Integration Results

RT: 2.57

Response: 2714

Amount: 549.96

Conc: 549.96




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.67

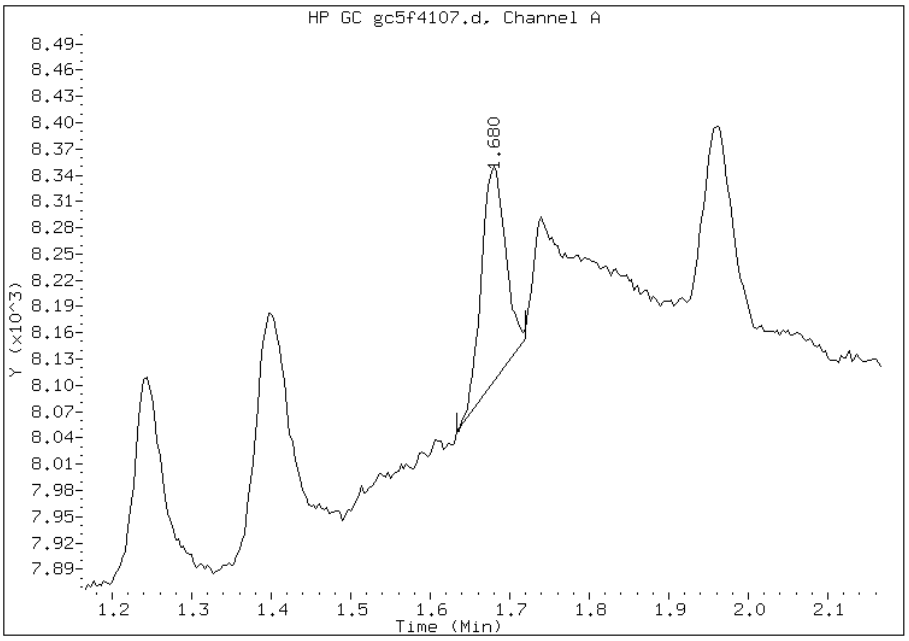
## Manual Integration Results

RT: 1.68

Response: 2619

Amount: 510.15

Conc: 510.15




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.04

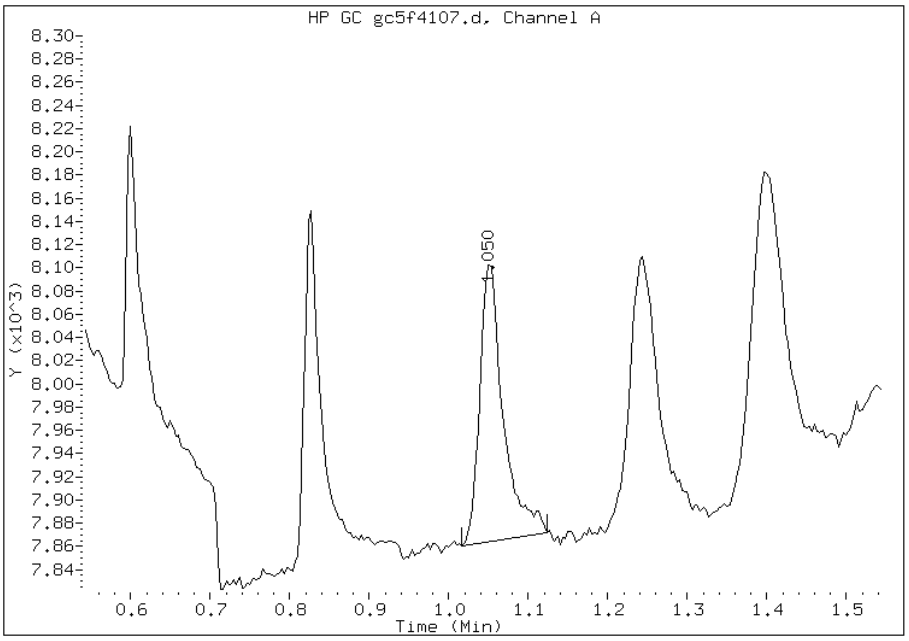
## Manual Integration Results

RT: 1.05

Response: 2469

Amount: 603.78

Conc: 603.78




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound: 4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.23

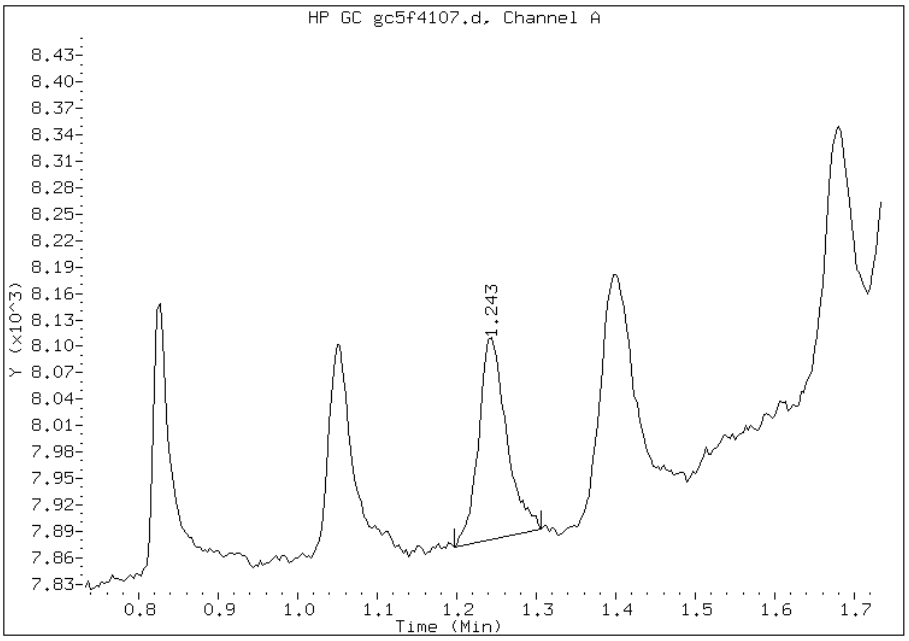
## Manual Integration Results

RT: 1.24

Response: 2814

Amount: 638.78

Conc: 638.78




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVRT 460-17479/2 Calibration Date: 09/21/2009 09:14

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4109.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.852 | 3.907 | | 5070 | 5000 | 1.4 | 15.0 |
| Ethanol | Ave | 4.089 | 4.083 | | 4990 | 5000 | -0.1 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.405 | 4.249 | | 4820 | 5000 | -3.5 | 15.0 |
| Isopropyl alcohol | Ave | 6.171 | 5.946 | | 4820 | 5000 | -3.6 | 15.0 |
| Propanol | Ave | 5.134 | 4.890 | | 4760 | 5000 | -4.8 | 15.0 |
| Isobutyl alcohol | Ave | 4.773 | 4.667 | | 4890 | 5000 | -2.2 | 15.0 |
| n-Butanol | Ave | 5.208 | 5.075 | | 4870 | 5000 | -2.6 | 15.0 |
| sec-Butyl Alcohol | Ave | 4.935 | 4.755 | | 4820 | 5000 | -3.6 | 15.0 |
| 1-Pentanol | Ave | 4.874 | 4.801 | | 4930 | 5000 | -1.5 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVRT 460-17479/2 Calibration Date: 09/21/2009 09:14

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4109.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.83 | 0.77 | 0.97 |
| Ethanol | 1.06 | 1.01 | 1.21 |
| 2-Methyl-2-propanol | 1.25 | 1.21 | 1.41 |
| Isopropyl alcohol | 1.41 | 1.37 | 1.57 |
| Propanol | 1.69 | 1.66 | 1.86 |
| Isobutyl alcohol | 1.98 | 1.95 | 2.15 |
| n-Butanol | 2.25 | 2.22 | 2.42 |
| sec-Butyl Alcohol | 2.58 | 2.56 | 2.76 |
| 1-Pentanol | 3.60 | 3.58 | 3.78 |

Data File: gc5f4109.d
Report Date: 21-Sep-2009 11:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4109.d
Lab Smp Id: CCVRT-SGALCL3_00002
Inj Date  : 21-SEP-2009 09:14
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCVRT-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| | Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 3 | Methanol | 0.833 | 0.833 | 0.000 | 19536 | 5000.00 | 5070 |
| 5 | Ethanol | 1.060 | 1.060 | 0.000 | 20416 | 5000.00 | 4990 |
| 4 | tert-Butyl Alcohol | 1.254 | 1.254 | 0.000 | 21247 | 5000.00 | 4820 |
| 6 | Isopropanol | 1.411 | 1.411 | 0.000 | 29729 | 5000.00 | 4820 |
| 7 | 1-Propanol | 1.693 | 1.693 | 0.000 | 24449 | 5000.00 | 4760(M) |
| 9 | Isobutanol | 1.975 | 1.975 | 0.000 | 23335 | 5000.00 | 4890 |
| 10 | n-Butanol(1-Butanol) | 2.247 | 2.247 | 0.000 | 25375 | 5000.00 | 4870 |
| 8 | 2-Butanol | 2.584 | 2.584 | 0.000 | 23776 | 5000.00 | 4820 |
| $ 11 | 1-Pentanol (sur) | 3.596 | 3.596 | 0.000 | 24005 | 5000.00 | 4920 |

QC Flag Legend

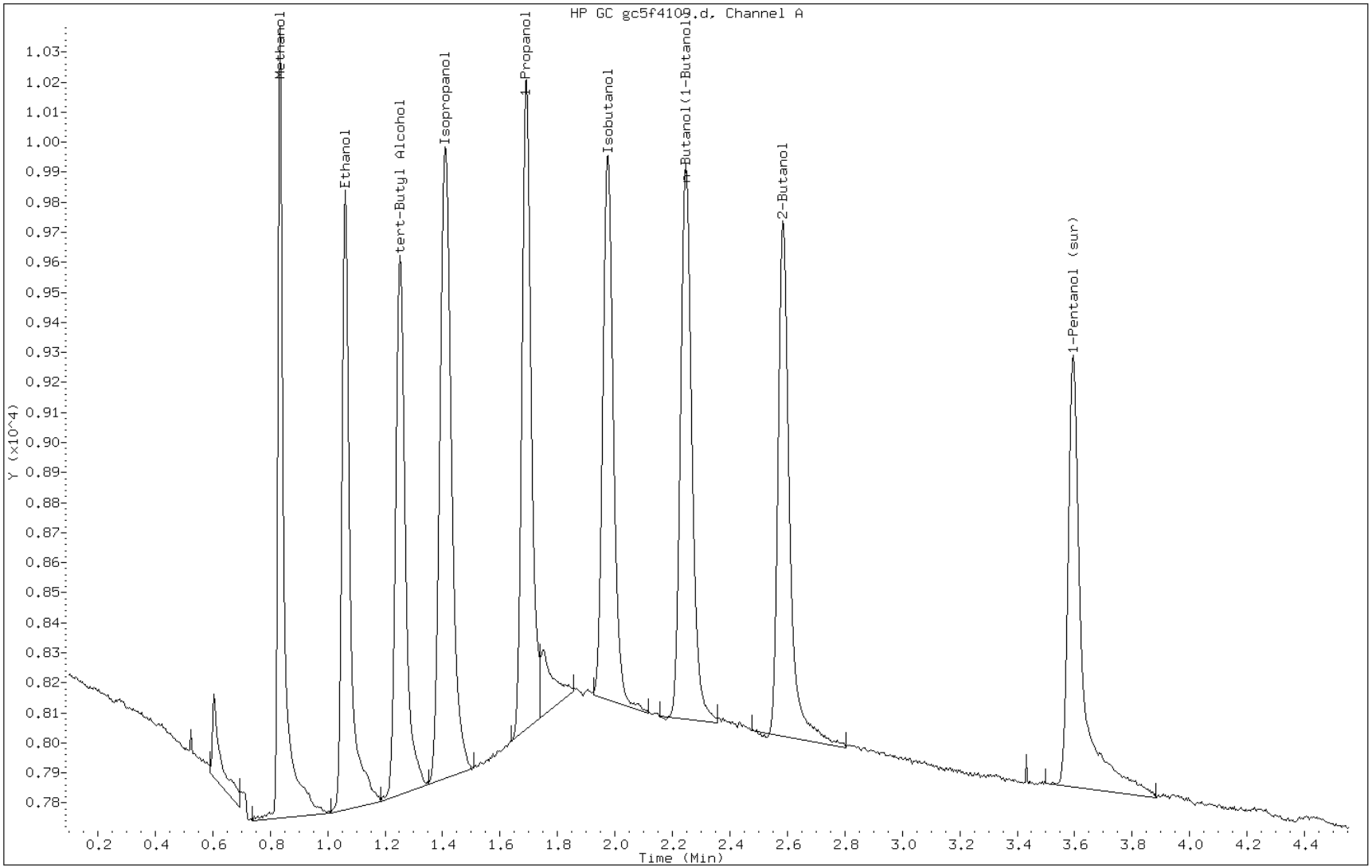
M - Compound response manually integrated.

Data File: gc5f4109.d

Date: 21-SEP-2009 09:14

Client ID: Instrument: BNAGC5.i

Sample Info: CCVRT-SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4109.d
Inj. Date and Time: 21-SEP-2009 09:14
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

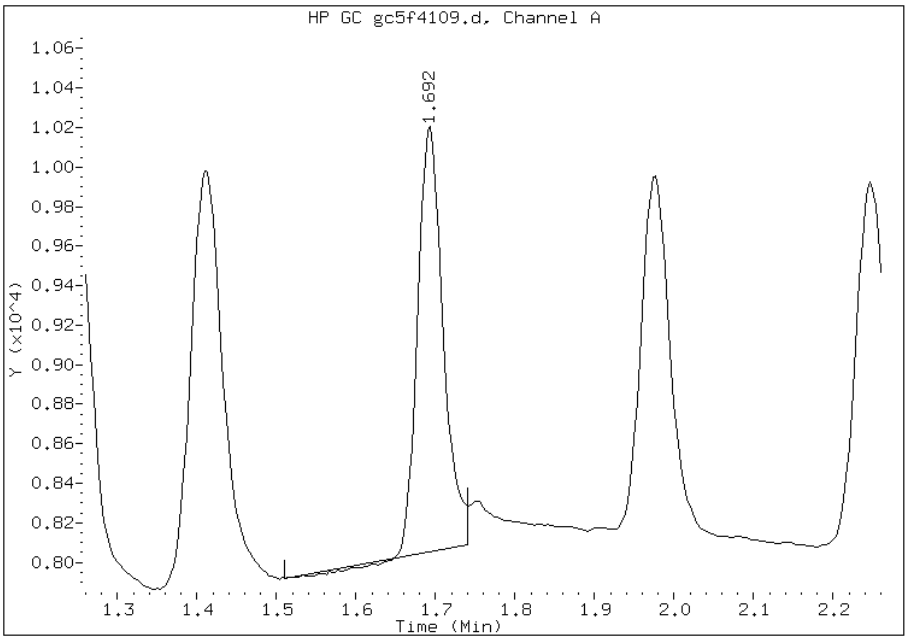
## Processing Integration Results

RT: 1.69

Response: 23663

Amount: 4609.44

Conc: 4609.44



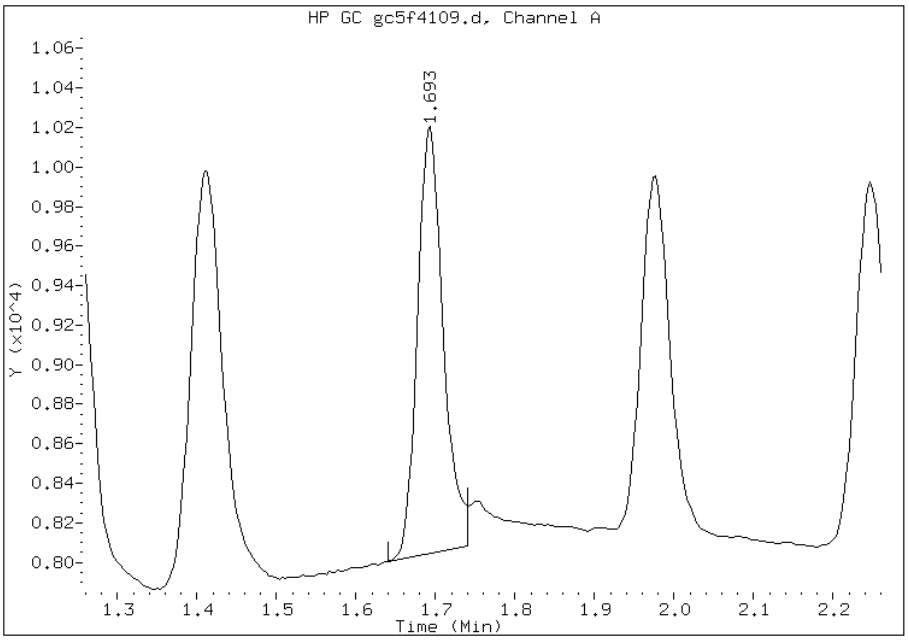

## Manual Integration Results

RT: 1.69

Response: 24449

Amount: 4762.35

Conc: 4762.35




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCV 460-17479/14 Calibration Date: 09/21/2009 10:43

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4121.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.852 | 3.439 | | 4460 | 5000 | -10.7 | 15.0 |
| Ethanol | Ave | 4.089 | 3.644 | | 4460 | 5000 | -10.9 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.405 | 3.752 | | 4260 | 5000 | -14.8 | 15.0 |
| Isopropyl alcohol | Ave | 6.171 | 5.475 | | 4440 | 5000 | -11.3 | 15.0 |
| Propanol | Ave | 5.134 | 5.546 | | 5400 | 5000 | 8.0 | 15.0 |
| Isobutyl alcohol | Ave | 4.773 | 4.423 | | 4630 | 5000 | -7.3 | 15.0 |
| n-Butanol | Ave | 5.208 | 5.228 | | 5020 | 5000 | 0.4 | 15.0 |
| sec-Butyl Alcohol | Ave | 4.935 | 4.696 | | 4760 | 5000 | -4.8 | 15.0 |
| 1-Pentanol | Ave | 4.874 | 4.453 | | 4570 | 5000 | -8.6 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVRT 460-17484/1 Calibration Date: 09/21/2009 10:43

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4121.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.852 | 3.439 | | 4460 | 5000 | -10.7 | 15.0 |
| Ethanol | Ave | 4.089 | 3.644 | | 4460 | 5000 | -10.9 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.405 | 3.752 | | 4260 | 5000 | -14.8 | 15.0 |
| Isopropyl alcohol | Ave | 6.171 | 5.475 | | 4440 | 5000 | -11.3 | 15.0 |
| Propanol | Ave | 5.134 | 5.546 | | 5400 | 5000 | 8.0 | 15.0 |
| Isobutyl alcohol | Ave | 4.773 | 4.423 | | 4630 | 5000 | -7.3 | 15.0 |
| n-Butanol | Ave | 5.208 | 5.228 | | 5020 | 5000 | 0.4 | 15.0 |
| sec-Butyl Alcohol | Ave | 4.935 | 4.696 | | 4760 | 5000 | -4.8 | 15.0 |
| 1-Pentanol | Ave | 4.874 | 4.453 | | 4570 | 5000 | -8.6 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCV 460-17479/14 Calibration Date: 09/21/2009 10:43

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4121.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.87 | 0.77 | 0.97 |
| Ethanol | 1.11 | 1.01 | 1.21 |
| 2-Methyl-2-propanol | 1.31 | 1.21 | 1.41 |
| Isopropyl alcohol | 1.47 | 1.37 | 1.57 |
| Propanol | 1.76 | 1.66 | 1.86 |
| Isobutyl alcohol | 2.05 | 1.95 | 2.15 |
| n-Butanol | 2.32 | 2.22 | 2.42 |
| sec-Butyl Alcohol | 2.66 | 2.56 | 2.76 |
| 1-Pentanol | 3.68 | 3.58 | 3.78 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCVRT 460-17484/1 Calibration Date: 09/21/2009 10:43

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4121.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.87 | 0.77 | 0.97 |
| Ethanol | 1.11 | 1.01 | 1.21 |
| 2-Methyl-2-propanol | 1.31 | 1.21 | 1.41 |
| Isopropyl alcohol | 1.47 | 1.37 | 1.57 |
| Propanol | 1.76 | 1.66 | 1.86 |
| Isobutyl alcohol | 2.05 | 1.95 | 2.15 |
| n-Butanol | 2.32 | 2.22 | 2.42 |
| sec-Butyl Alcohol | 2.66 | 2.56 | 2.76 |
| 1-Pentanol | 3.68 | 3.58 | 3.78 |

Data File: gc5f4121.d
Report Date: 21-Sep-2009 11:53

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4121.d
Lab Smp Id: CCV-SGALCL3_00002
Inj Date  : 21-SEP-2009 10:43
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCV-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:53 patelhe Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| | Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 3 | Methanol | 0.874 | 0.874 | 0.000 | 17193 | 5000.00 | 4460 |
| 5 | Ethanol | 1.112 | 1.112 | 0.000 | 18221 | 5000.00 | 4460 |
| 4 | tert-Butyl Alcohol | 1.312 | 1.312 | 0.000 | 18758 | 5000.00 | 4260 |
| 6 | Isopropanol | 1.473 | 1.473 | 0.000 | 27375 | 5000.00 | 4440 |
| 7 | 1-Propanol | 1.760 | 1.760 | 0.000 | 27730 | 5000.00 | 5400(M) |
| 9 | Isobutanol | 2.047 | 2.047 | 0.000 | 22116 | 5000.00 | 4630(M) |
| 10 | n-Butanol(1-Butanol) | 2.322 | 2.322 | 0.000 | 26139 | 5000.00 | 5020 |
| 8 | 2-Butanol | 2.664 | 2.664 | 0.000 | 23480 | 5000.00 | 4760 |
| $ 11 | 1-Pentanol (sur) | 3.683 | 3.683 | 0.000 | 22267 | 5000.00 | 4570(M) |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4121.d
Report Date: 21-Sep-2009 12:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/gc5f4121.d
Lab Smp Id: CCVRT-SGALCL3_00002
Inj Date : 21-SEP-2009 10:43
Operator : 615 Inst ID: BNAGC5.i
Smp Info : CCVRT-SGALCL3_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/alcohols2008.m
Meth Date : 21-Sep-2009 12:15 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.874 | 0.874 | 0.000 | 17193 | 5000.00 | 4460 |
| 5 Ethanol | 1.112 | 1.112 | 0.000 | 18221 | 5000.00 | 4460 |
| 4 tert-Butyl Alcohol | 1.312 | 1.312 | 0.000 | 18758 | 5000.00 | 4260 |
| 6 Isopropanol | 1.473 | 1.473 | 0.000 | 27375 | 5000.00 | 4440 |
| 7 1-Propanol | 1.760 | 1.760 | 0.000 | 27730 | 5000.00 | 5400(M) |
| 9 Isobutanol | 2.047 | 2.047 | 0.000 | 22116 | 5000.00 | 4630(M) |
| 10 n-Butanol(1-Butanol) | 2.322 | 2.322 | 0.000 | 26139 | 5000.00 | 5020 |
| 8 2-Butanol | 2.664 | 2.664 | 0.000 | 23480 | 5000.00 | 4760 |
| $ 11 1-Pentanol (sur) | 3.683 | 3.683 | 0.000 | 22267 | 5000.00 | 4570(M) |

QC Flag Legend

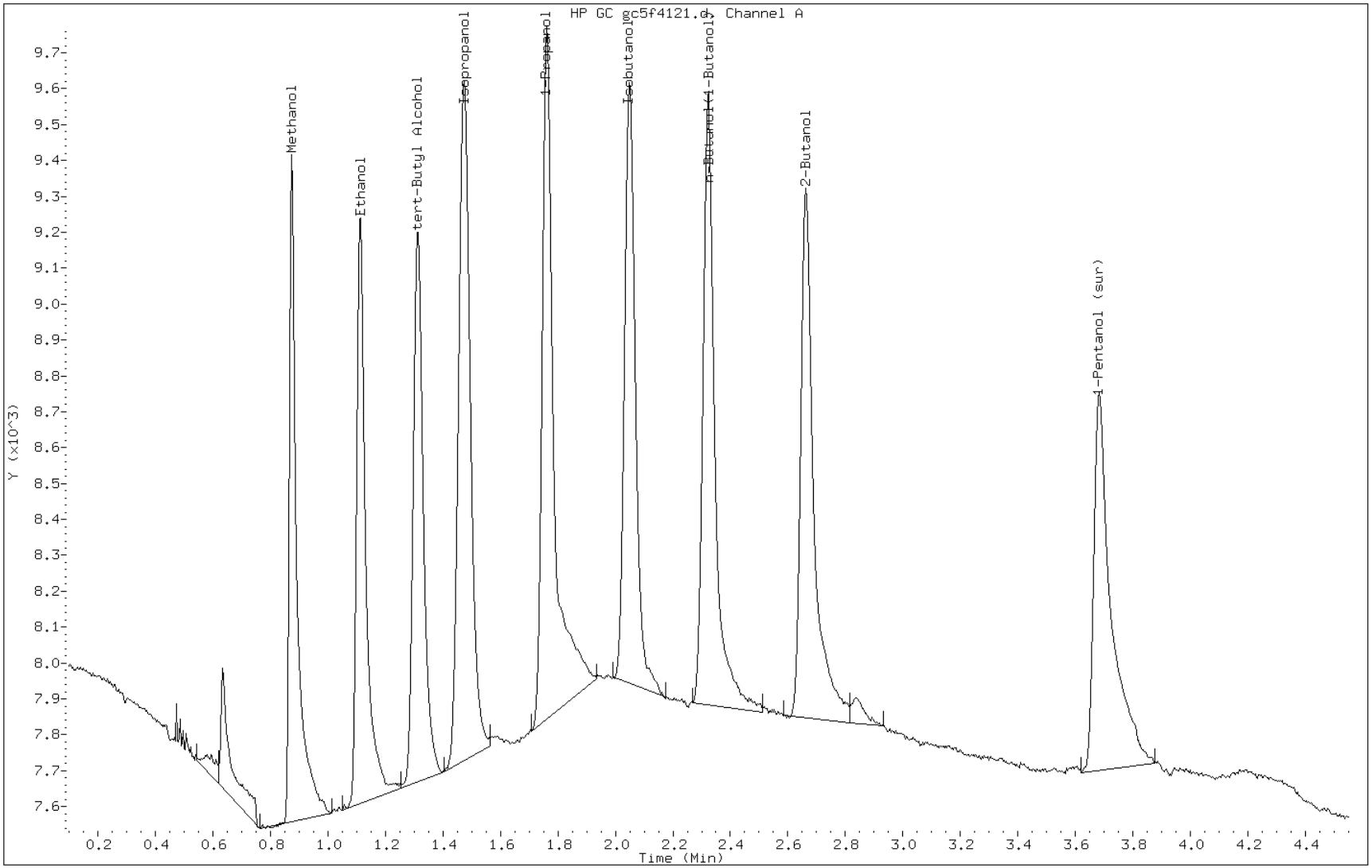
M - Compound response manually integrated.

Data File: gc5f4121.d

Date: 21-SEP-2009 10:43

Client ID: Instrument: BNAGC5.i

Sample Info: CCV-SGALCL3_00002 Operator: 615

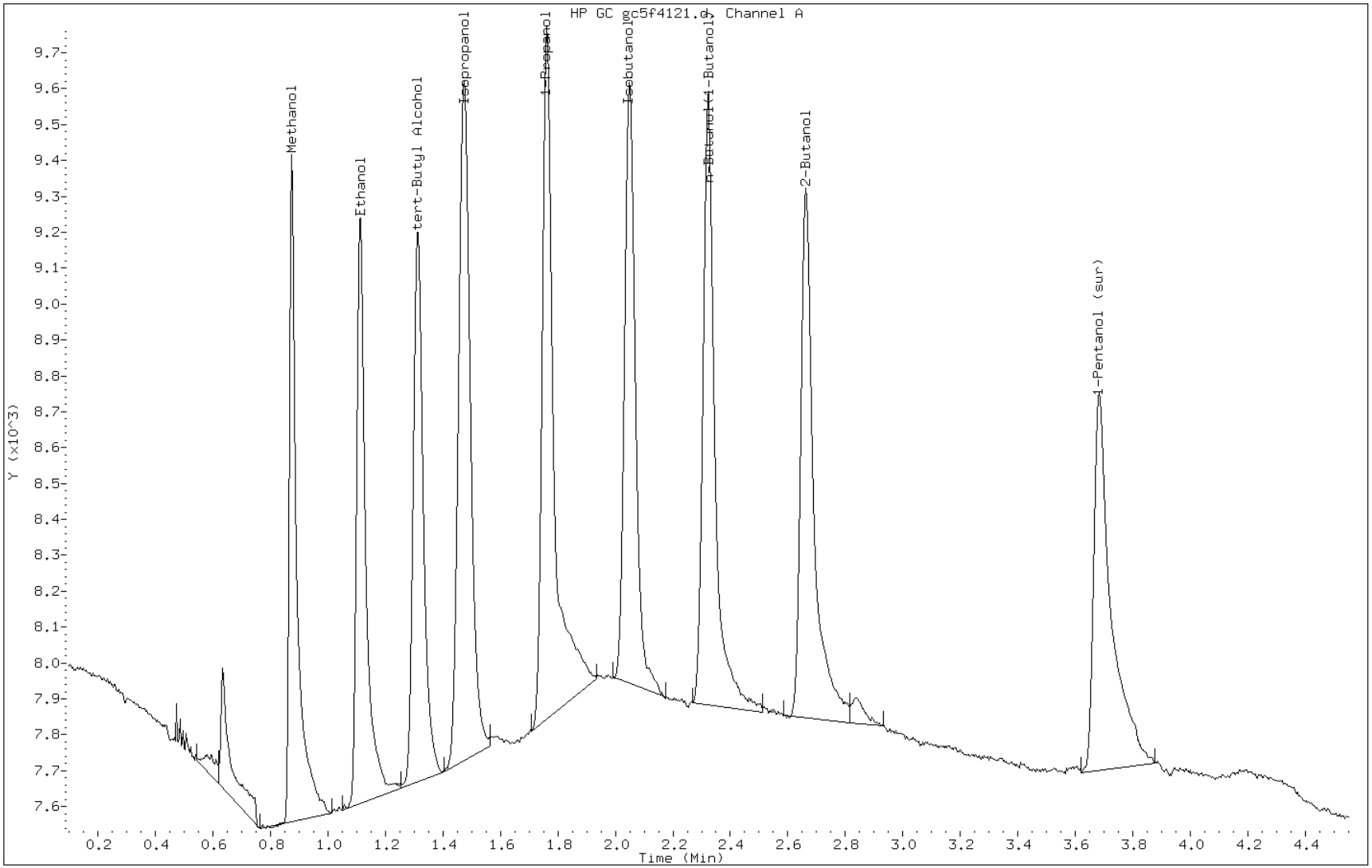


Data File: gc5f4121.d

Date: 21-SEP-2009 10:43

Client ID: Instrument: BNAGC5.i

Sample Info: CCVRT-SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.76

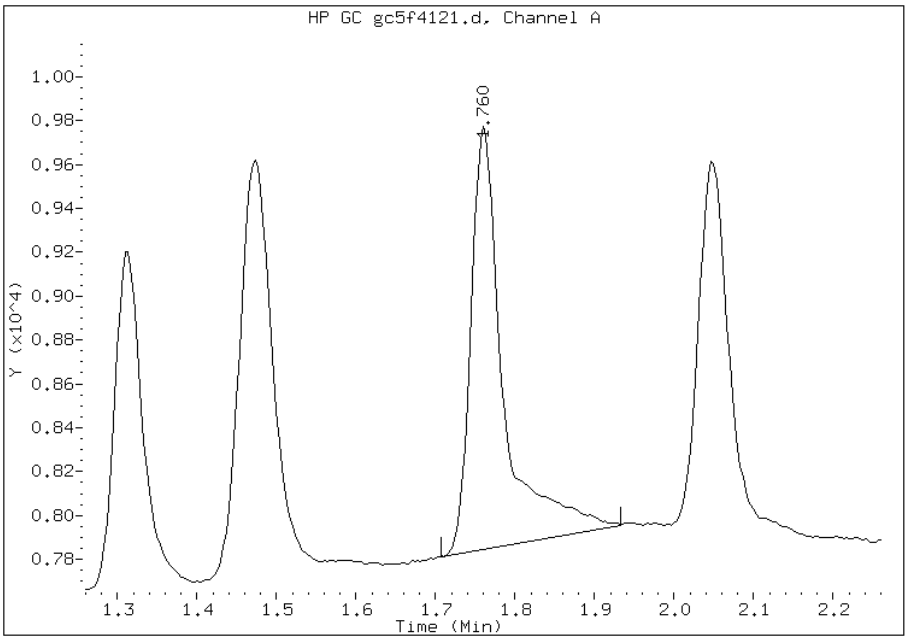
## Manual Integration Results

RT: 1.76

Response: 27730

Amount: 5401.44

Conc: 5401.44




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.05

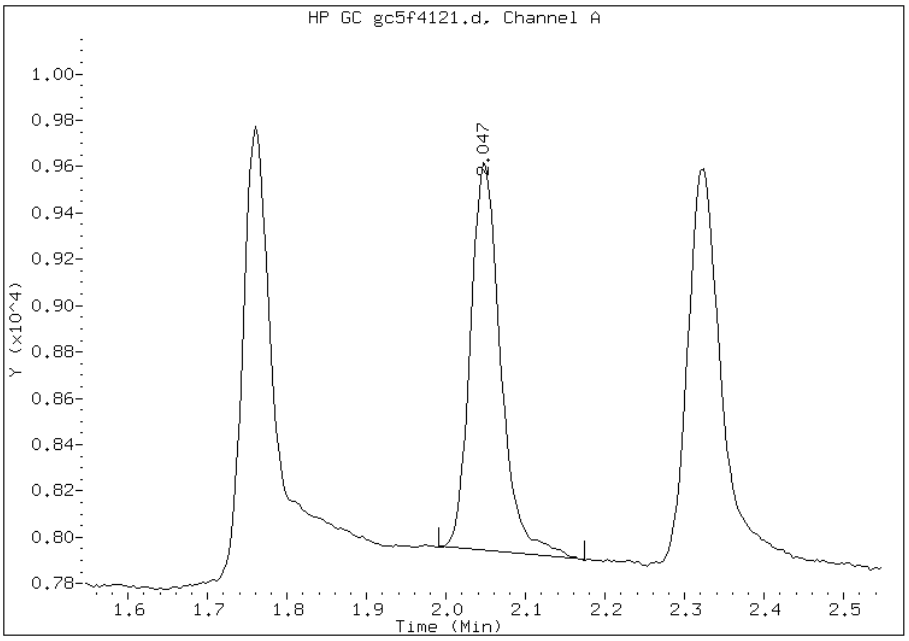
## Manual Integration Results

RT: 2.05

Response: 22116

Amount: 4633.79

Conc: 4633.79




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.68

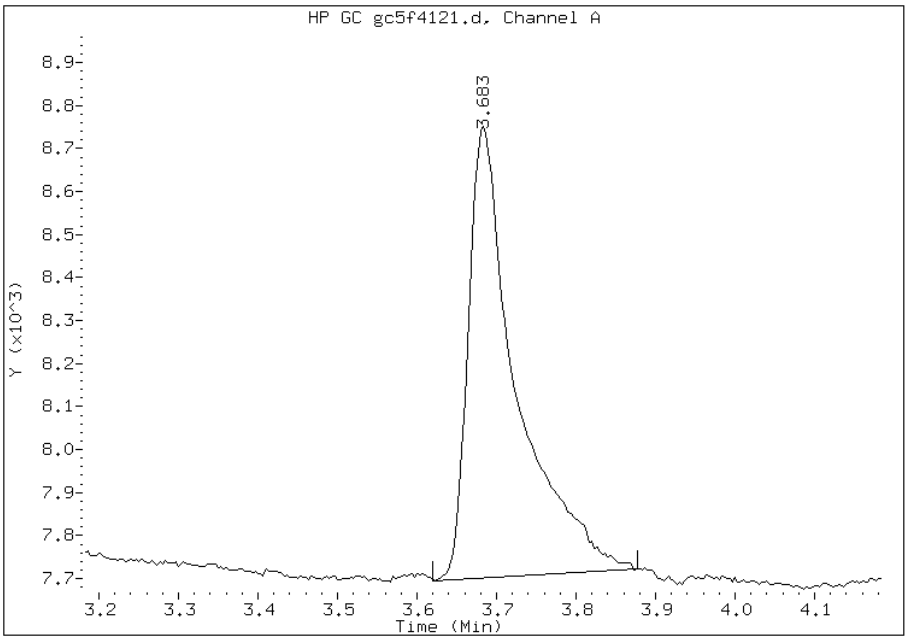
## Manual Integration Results

RT: 3.68

Response: 22267

Amount: 4568.56

Conc: 4568.56




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.76

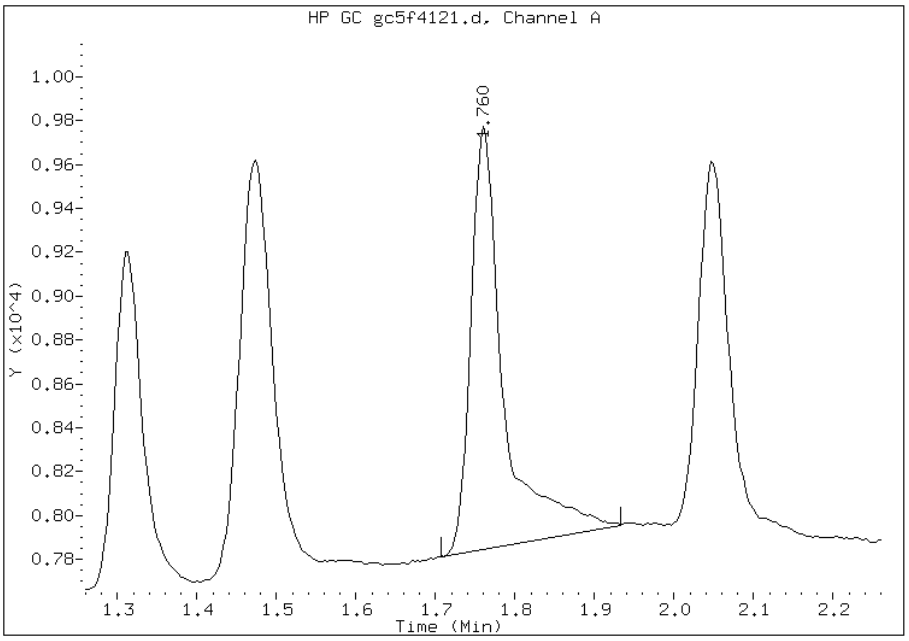
## Manual Integration Results

RT: 1.76

Response: 27730

Amount: 5401.44

Conc: 5401.44




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.68

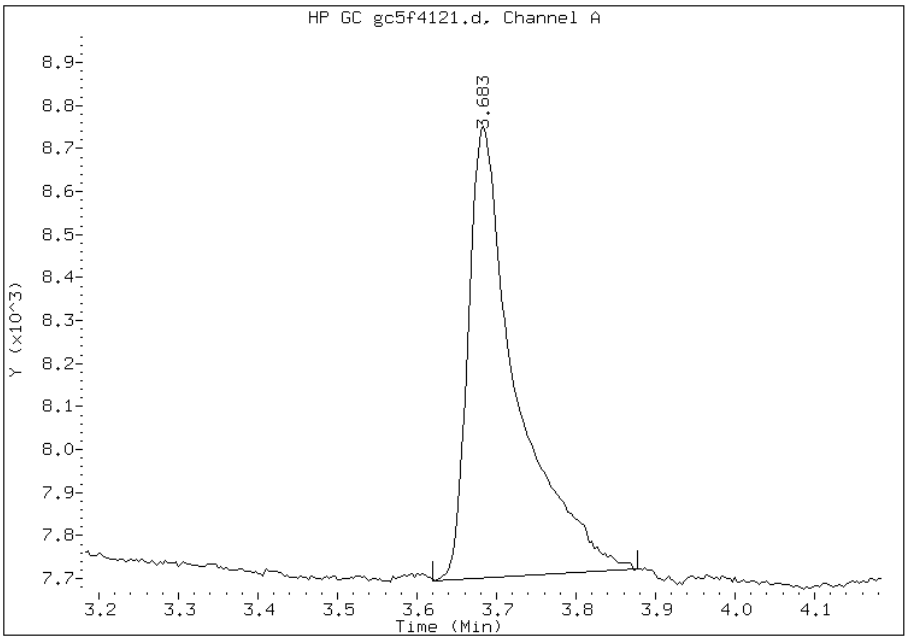
## Manual Integration Results

RT: 3.68

Response: 22267

Amount: 4568.56

Conc: 4568.56




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.05

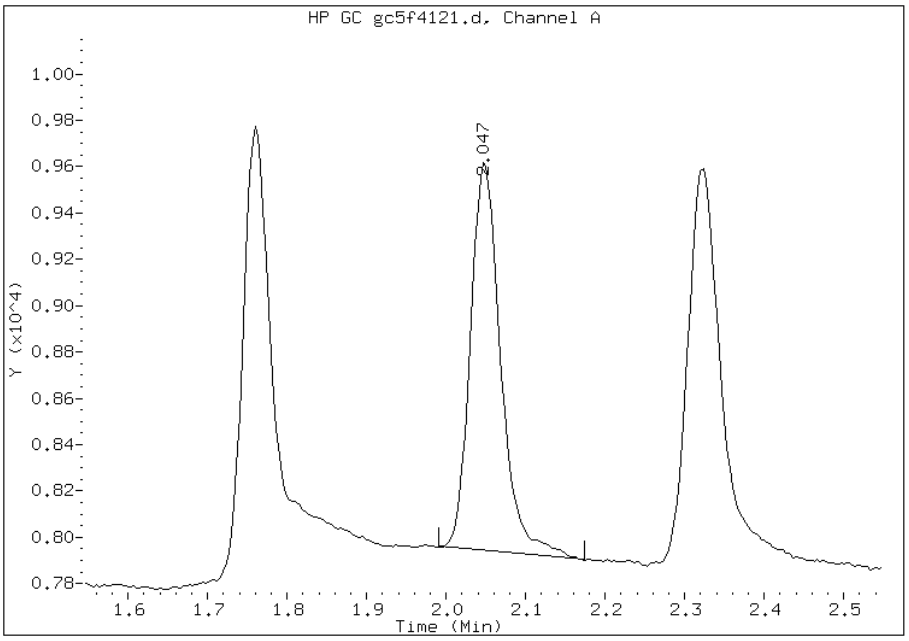
## Manual Integration Results

RT: 2.05

Response: 22116

Amount: 4633.79

Conc: 4633.79




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCV 460-17484/7 Calibration Date: 09/21/2009 11:33

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4127.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.852 | 3.372 | | 4380 | 5000 | -12.5 | 15.0 |
| Ethanol | Ave | 4.089 | 3.606 | | 4410 | 5000 | -11.8 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.405 | 3.836 | | 4350 | 5000 | -12.9 | 15.0 |
| Isopropyl alcohol | Ave | 6.171 | 5.915 | | 4790 | 5000 | -4.1 | 15.0 |
| Propanol | Ave | 5.134 | 5.632 | | 5480 | 5000 | 9.7 | 15.0 |
| Isobutyl alcohol | Ave | 4.773 | 5.124 | | 5370 | 5000 | 7.4 | 15.0 |
| n-Butanol | Ave | 5.208 | 5.509 | | 5290 | 5000 | 5.8 | 15.0 |
| sec-Butyl Alcohol | Ave | 4.935 | 4.279 | | 4340 | 5000 | -13.3 | 15.0 |
| 1-Pentanol | Ave | 4.874 | 5.130 | | 5260 | 5000 | 5.3 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5829-1

SDG No.:

Lab Sample ID: CCV 460-17484/7 Calibration Date: 09/21/2009 11:33

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4127.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.89 | 0.79 | 0.99 |
| Ethanol | 1.14 | 1.04 | 1.24 |
| 2-Methyl-2-propanol | 1.34 | 1.24 | 1.44 |
| Isopropyl alcohol | 1.50 | 1.40 | 1.60 |
| Propanol | 1.79 | 1.69 | 1.89 |
| Isobutyl alcohol | 2.08 | 1.98 | 2.18 |
| n-Butanol | 2.36 | 2.26 | 2.46 |
| sec-Butyl Alcohol | 2.70 | 2.60 | 2.80 |
| 1-Pentanol | 3.74 | 3.64 | 3.84 |

Data File: gc5f4127.d
Report Date: 21-Sep-2009 12:48

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/gc5f4127.d
Lab Smp Id: CCV-SGALCL3_00002
Inj Date  : 21-SEP-2009 11:33
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCV-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/alcohols2008.m
Meth Date : 21-Sep-2009 12:48 patelhe Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.890 | 0.890 | 0.000 | 16860 | 5000.00 | 4380(M) |
| 5 Ethanol | 1.137 | 1.137 | 0.000 | 18030 | 5000.00 | 4410(M) |
| 4 tert-Butyl Alcohol | 1.337 | 1.337 | 0.000 | 19180 | 5000.00 | 4350(M) |
| 6 Isopropanol | 1.500 | 1.500 | 0.000 | 29575 | 5000.00 | 4790(M) |
| 7 1-Propanol | 1.789 | 1.789 | 0.000 | 28158 | 5000.00 | 5480 |
| 9 Isobutanol | 2.081 | 2.081 | 0.000 | 25618 | 5000.00 | 5370 |
| 10 n-Butanol(1-Butanol) | 2.358 | 2.358 | 0.000 | 27543 | 5000.00 | 5290 |
| 8 2-Butanol | 2.701 | 2.701 | 0.000 | 21396 | 5000.00 | 4340 |
| $ 11 1-Pentanol (sur) | 3.737 | 3.737 | 0.000 | 25652 | 5000.00 | 5260(M) |

QC Flag Legend

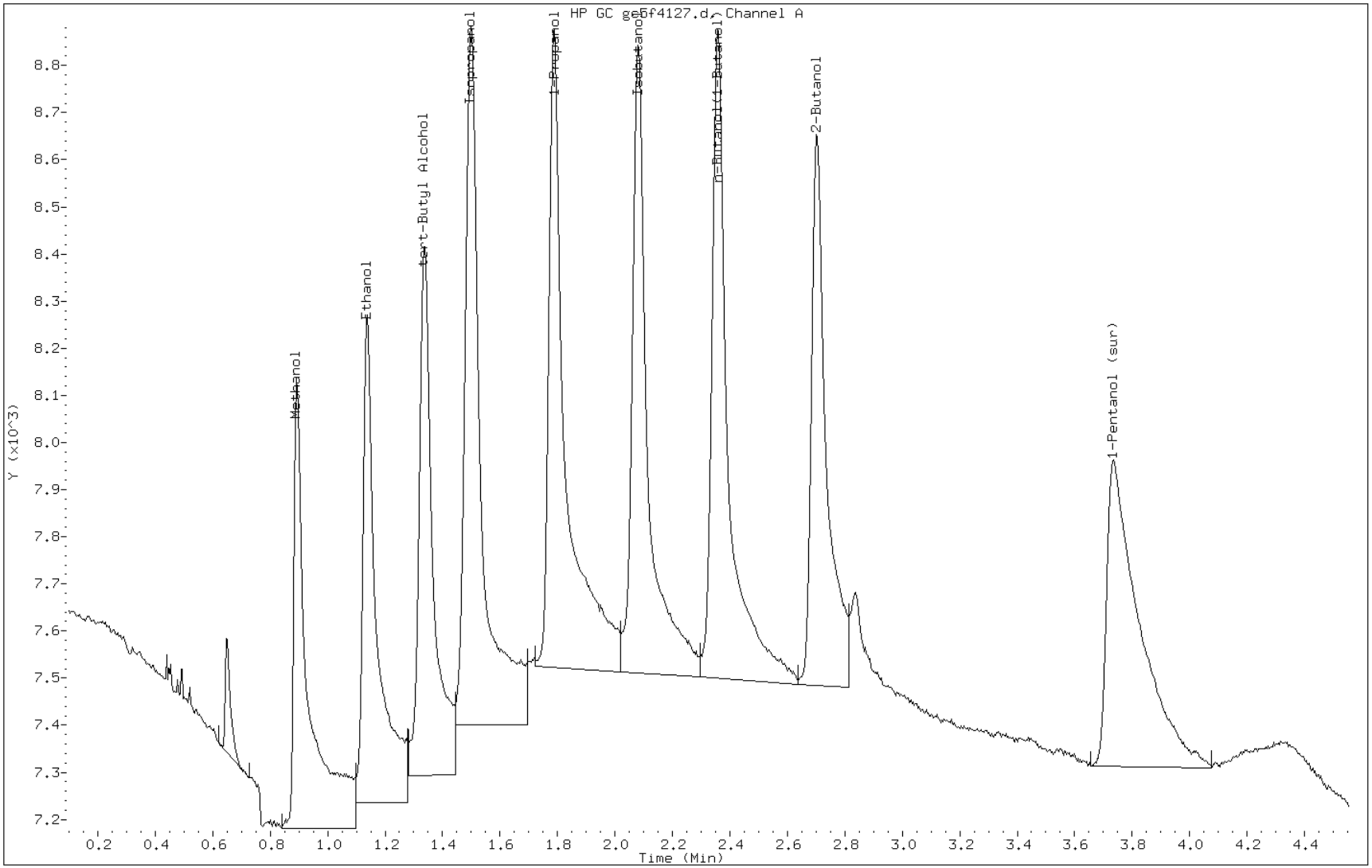
M - Compound response manually integrated.

Data File: gc5f4127.d

Date: 21-SEP-2009 11:33

Client ID: Instrument: BNAGC5.i

Sample Info: CCV-SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4127.d
Inj. Date and Time: 21-SEP-2009 11:33
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.50

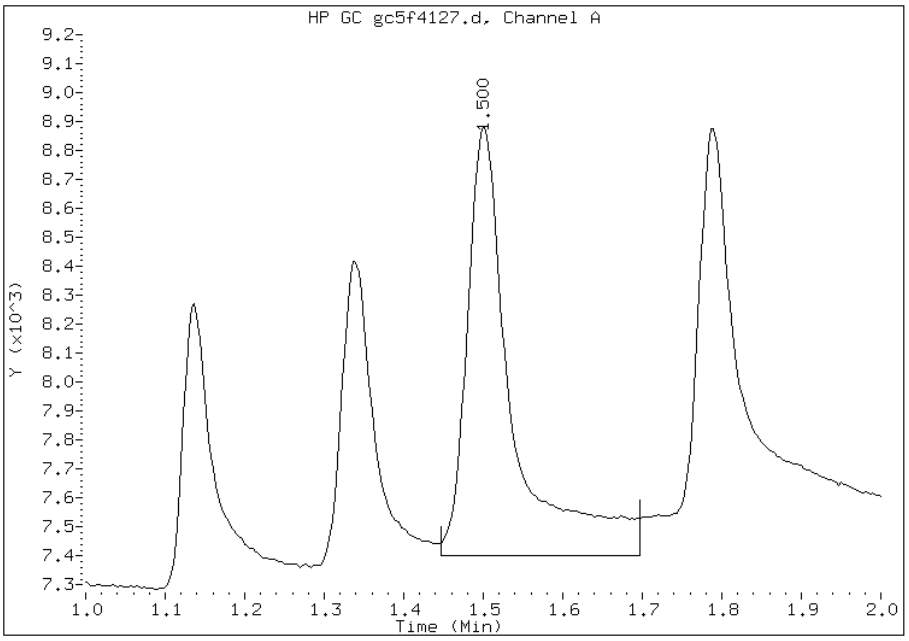
## Manual Integration Results

RT: 1.50

Response: 29575

Amount: 4792.65

Conc: 4792.65




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4127.d
Inj. Date and Time: 21-SEP-2009 11:33
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.34

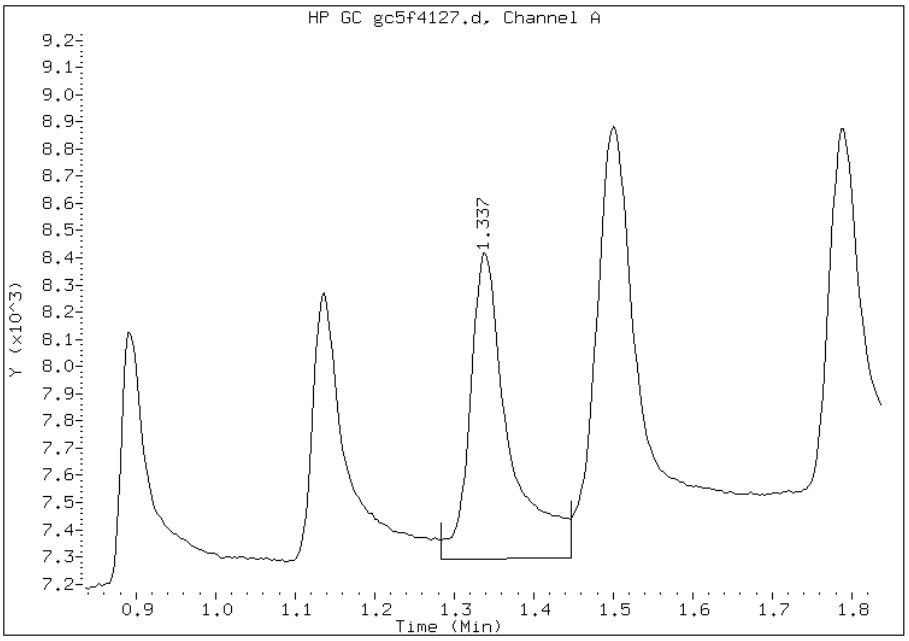
## Manual Integration Results

RT: 1.34

Response: 19180

Amount: 4353.86

Conc: 4353.86




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4127.d
Inj. Date and Time: 21-SEP-2009 11:33
Instrument ID: BNAGC5.i
Client ID:
Compound: 3 Methanol
CAS #: 67-56-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 0.89

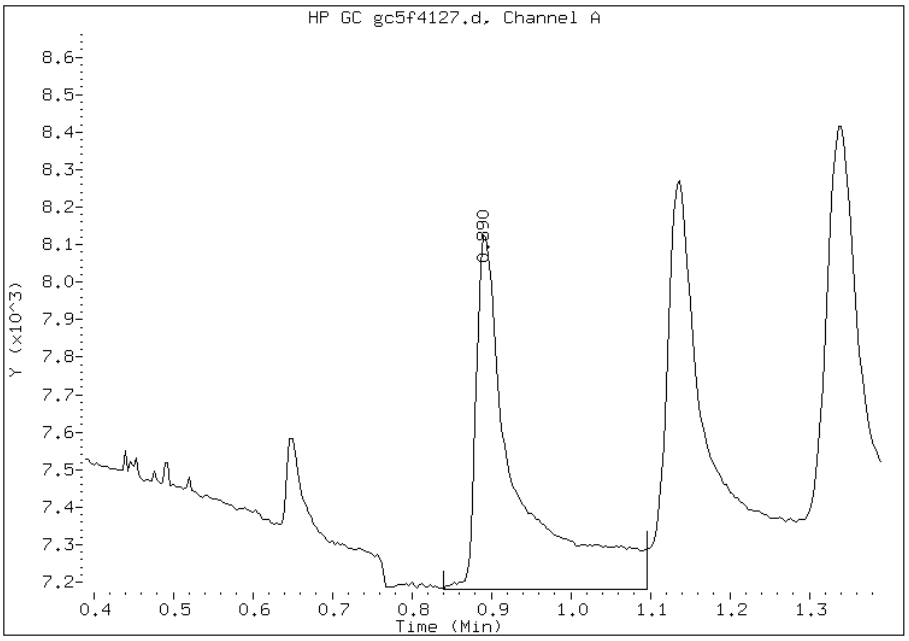
## Manual Integration Results

RT: 0.89

Response: 16860

Amount: 4376.56

Conc: 4376.56




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4127.d
Inj. Date and Time: 21-SEP-2009 11:33
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/21/2009

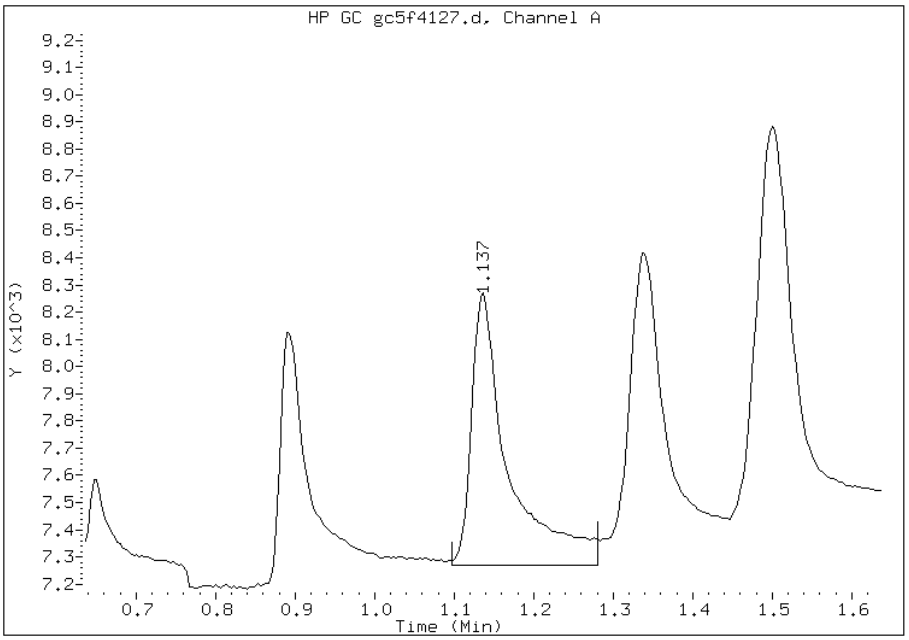
## Processing Integration Results

RT: 1.14

Response: 16126

Amount: 3943.50

Conc: 3943.50



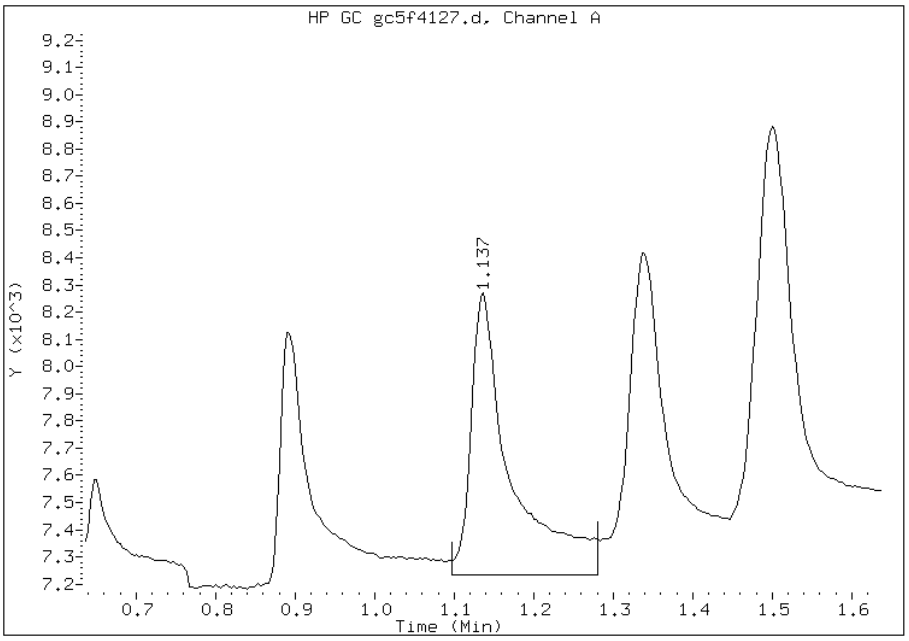

## Manual Integration Results

RT: 1.14

Response: 18030

Amount: 4409.12

Conc: 4409.12




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4127.d
Inj. Date and Time: 21-SEP-2009 11:33
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

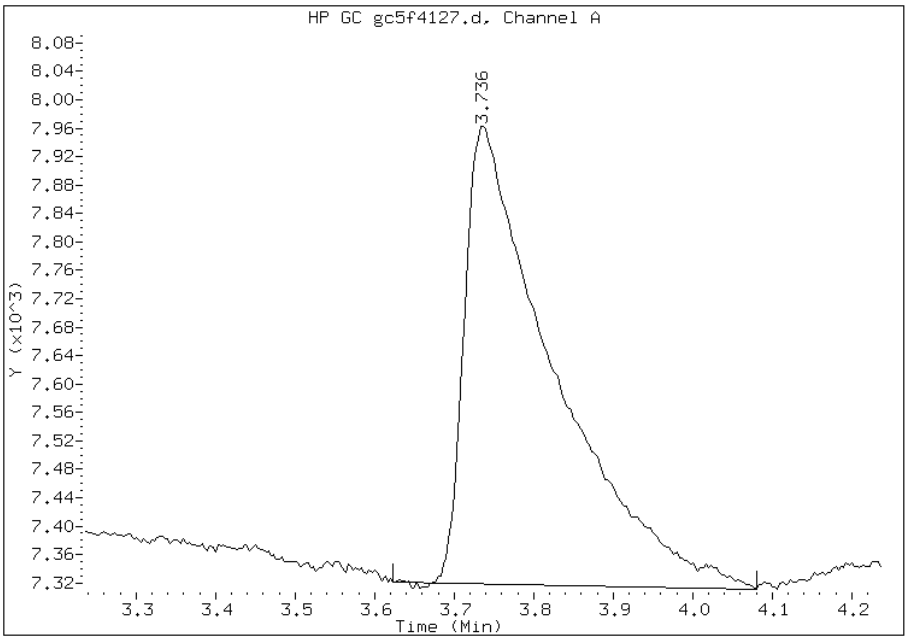
## Processing Integration Results

RT: 3.74

Response: 25007

Amount: 5130.87

Conc: 5130.87



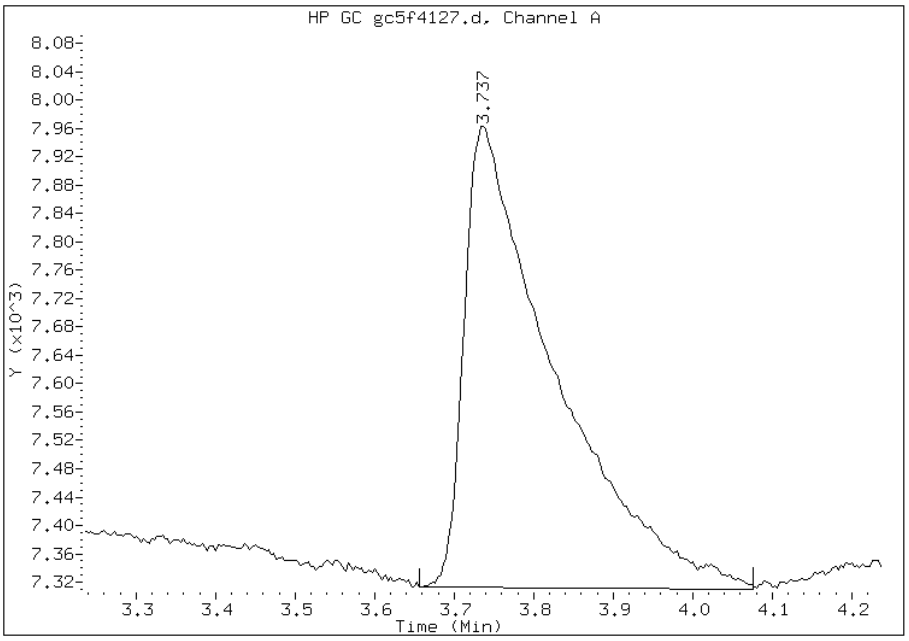

## Manual Integration Results

RT: 3.74

Response: 25652

Amount: 5263.07

Conc: 5263.07




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5829-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-17479/6

Matrix: Water | Lab File ID: gc5f4113.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 1(uL) | Date Analyzed: 09/21/2009 09:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17479 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 104 | 52-122 | |

Data File: gc5f4113.d
Report Date: 21-Sep-2009 11:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4113.d
Lab Smp Id: MB
Inj Date : 21-SEP-2009 09:39
Operator : 615 Inst ID: BNAGC5.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

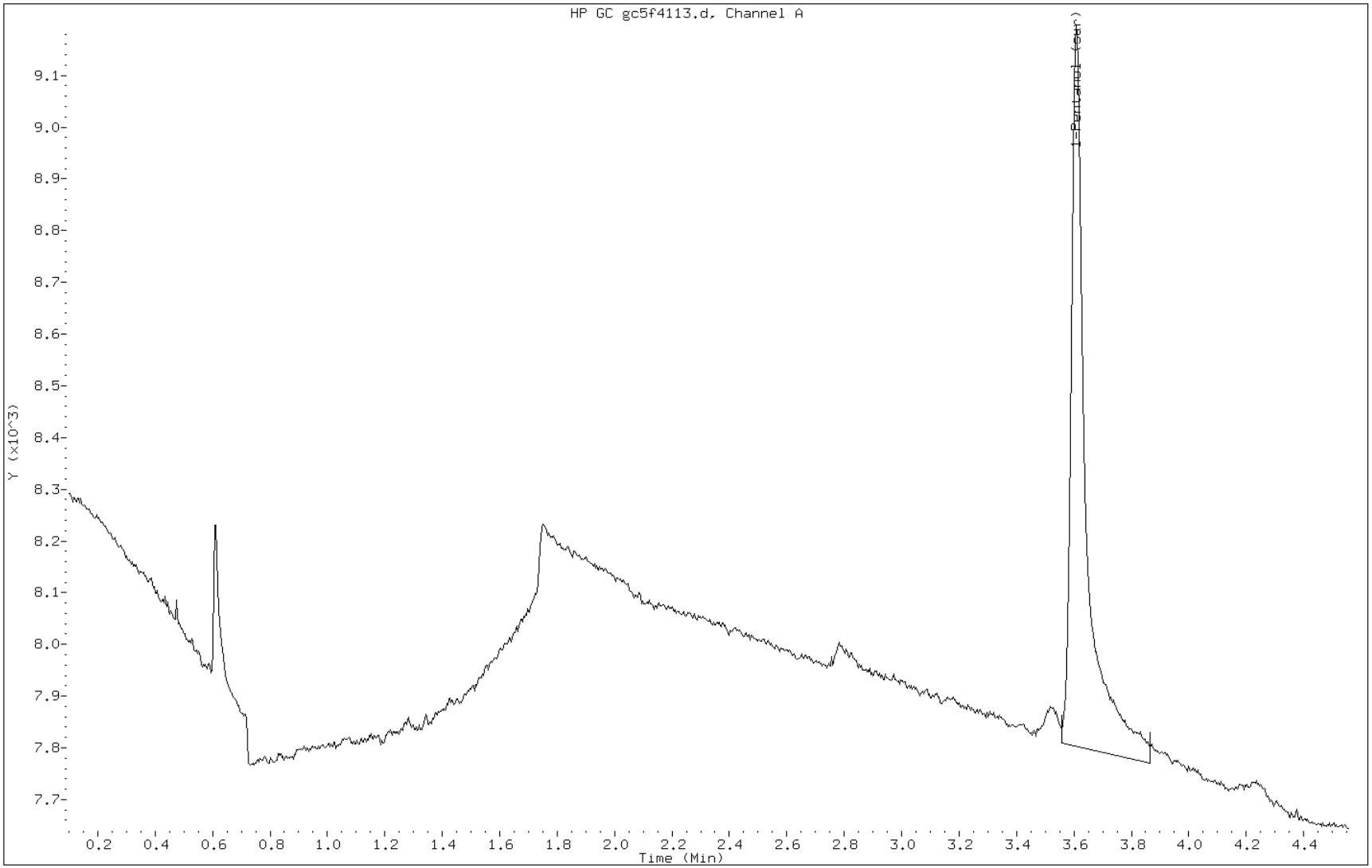
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.607 | 3.596 | 0.011 | 25350 | 5201.11 | 5200 |

Data File: gc5f4113.d

Date: 21-SEP-2009 09:39

Client ID: Instrument: BNAGC5.i

Sample Info: MB Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 460-17479/3

Matrix: Water  Lab File ID: gc5f4110.d

Analysis Method: 8015B  Date Collected:

Sample wt/vol: 1(uL)  Date Analyzed: 09/21/2009 09:20

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624 ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17479  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 4890 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 95 | 52-122 | |

Data File: gc5f4110.d
Report Date: 21-Sep-2009 11:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4110.d
Lab Smp Id: LCS
Inj Date  : 21-SEP-2009 09:20
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : LCS
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.833 | 0.833 | 0.000 | 18845 | 4891.83 | 4890 |
| 5 Ethanol | 1.060 | 1.060 | 0.000 | 18827 | 4604.02 | 4600 |
| 4 tert-Butyl Alcohol | 1.254 | 1.254 | 0.000 | 19453 | 4415.83 | 4420 |
| 6 Isopropanol | 1.411 | 1.411 | 0.000 | 30104 | 4878.38 | 4880 |
| 7 1-Propanol | 1.693 | 1.693 | 0.000 | 29074 | 5663.24 | 5660(M) |
| 9 Isobutanol | 1.973 | 1.975 | -0.002 | 23172 | 4855.04 | 4860(M) |
| 10 n-Butanol(1-Butanol) | 2.247 | 2.247 | 0.000 | 26032 | 4998.43 | 5000(M) |
| 8 2-Butanol | 2.584 | 2.584 | 0.000 | 22958 | 4652.16 | 4650 |
| $ 11 1-Pentanol (sur) | 3.596 | 3.596 | 0.000 | 23183 | 4756.50 | 4760 |

QC Flag Legend

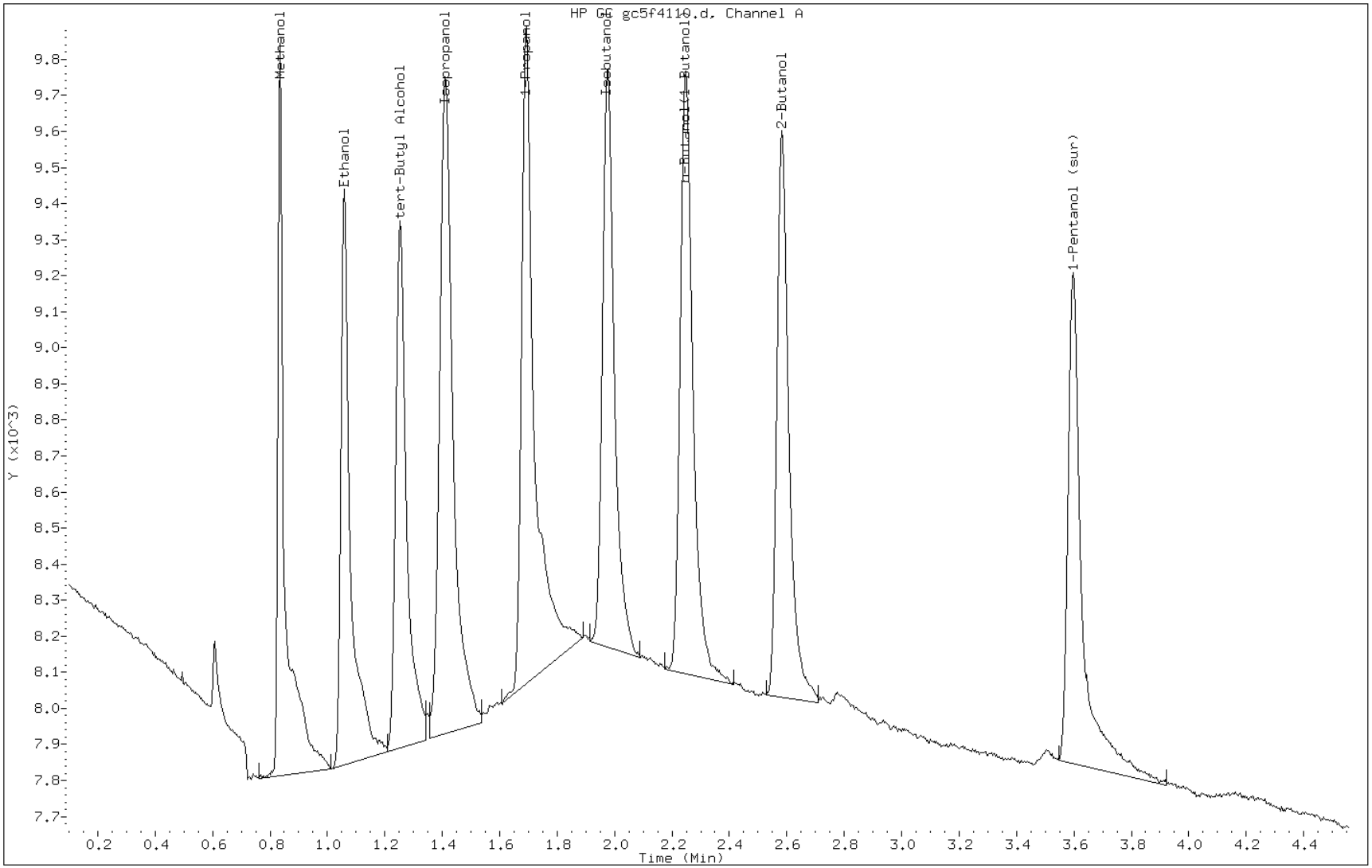
M - Compound response manually integrated.

Data File: gc5f4110.d

Date: 21-SEP-2009 09:20

Client ID: Instrument: BNAGC5.i

Sample Info: LCS Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5829-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCSD 460-17479/4

Matrix: Water  Lab File ID: gc5f4111.d

Analysis Method: 8015B  Date Collected:

Sample wt/vol: 1(uL)  Date Analyzed: 09/21/2009 09:26

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: Rtx-624 ID: 0.53(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17479  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 4850 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 94 | 52-122 | |

Data File: gc5f4111.d
Report Date: 21-Sep-2009 11:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4111.d
Lab Smp Id: LCSD
Inj Date  : 21-SEP-2009 09:26
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : LCSD
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| | Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 3 | Methanol | 0.838 | 0.833 | 0.005 | 18676 | 4847.96 | 4850 |
| 5 | Ethanol | 1.066 | 1.060 | 0.006 | 19485 | 4764.93 | 4760 |
| 4 | tert-Butyl Alcohol | 1.260 | 1.254 | 0.006 | 20705 | 4700.03 | 4700 |
| 6 | Isopropanol | 1.418 | 1.411 | 0.007 | 29989 | 4859.74 | 4860 |
| 7 | 1-Propanol | 1.700 | 1.693 | 0.007 | 24805 | 4831.69 | 4830 |
| 9 | Isobutanol | 1.983 | 1.975 | 0.008 | 23535 | 4931.10 | 4930 |
| 10 | n-Butanol(1-Butanol) | 2.254 | 2.247 | 0.007 | 26343 | 5058.15 | 5060 |
| 8 | 2-Butanol | 2.592 | 2.584 | 0.008 | 24093 | 4882.16 | 4880 |
| $ 11 | 1-Pentanol (sur) | 3.605 | 3.596 | 0.009 | 22930 | 4704.59 | 4700 |

Data File: gc5f4111.d

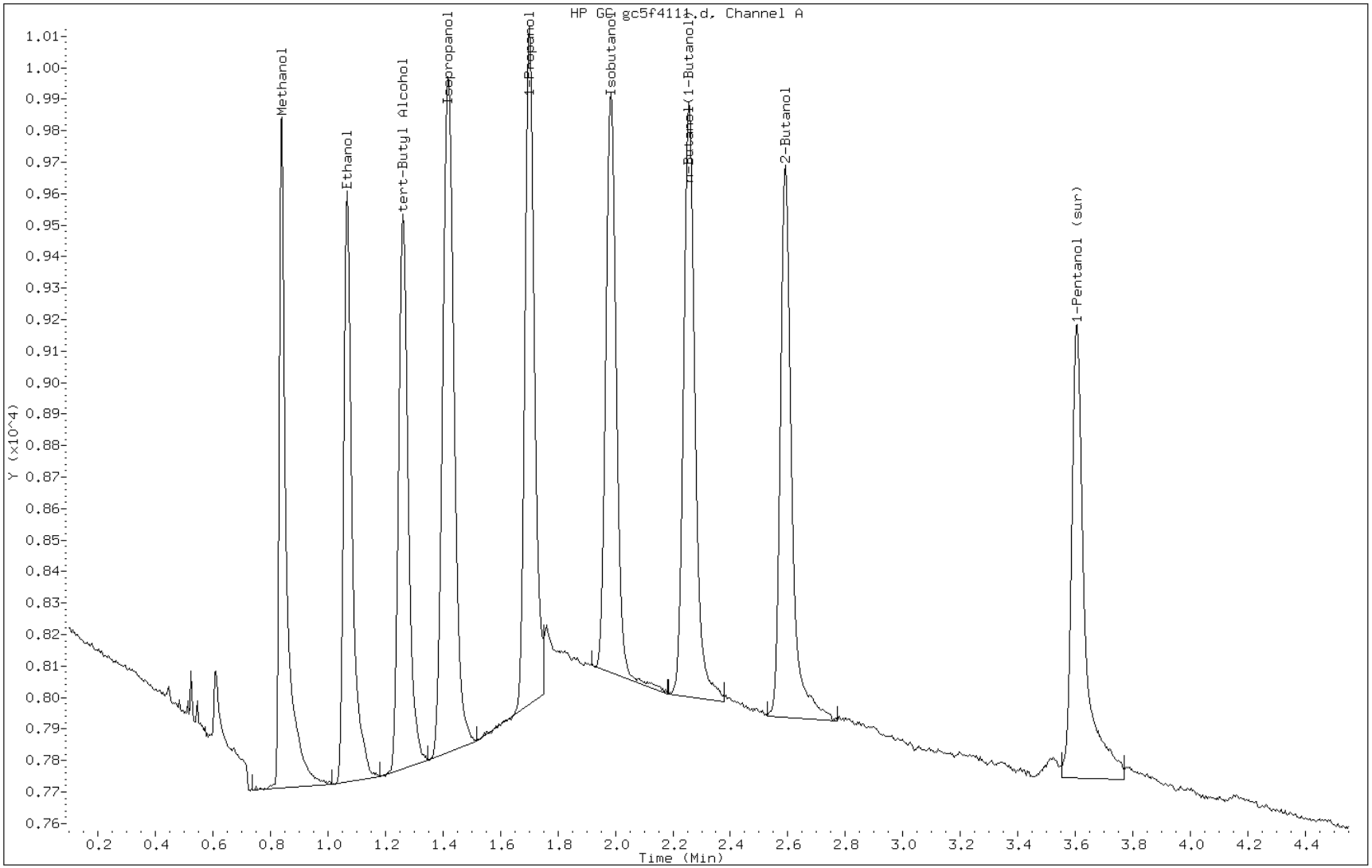
Date: 21-SEP-2009 09:26

Client ID:

Instrument: BNAGC5.i

Sample Info: LCSD

Operator: 615



# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

| Client | Project Manager | Date | Chain of Custody Number |
|---|---|---|---|
| ARCADIS | DAWN PENNIMAN | 9/17/09 | 395561 |
| **Address** | **Telephone Number (Area Code)/Fax Number** | **Lab Number** | **Page 1 of 1** |
| 6723 TOWPATH ROAD | 315-446-9120 | | |
| **City** / **State** / **Zip Code** | **Site Contact** | **Lab Contact** | **Analysis (Attach list if more space is needed)** |
| SYRACUSE / NY / 13214 | Nathan Smith | | 8270C_Sim / BOISB Alkali / 8260B VOC |
| **Project Name and Location (State)** | **Carrier/Waybill Number** | | |
| McKESSON – BEAR STREET | | | |
| **Contract/Purchase Order/Quote No.** | | | **Special Instructions/ Conditions of Receipt** |
| B0026003.0000.00010 | | | 4600350 6 |

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed. | Soil | Containers & Preservatives: Unpres. | H2SO4 | HNO3 | HCl | NaOH | ZnAc/ NaOH | 8270C_Sim | BOISB Alkali | 8260B VOC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | 5829 |
| MW-17R | 9/17/09 | 1535 | | X | | | 5 | | | 3 | | | X | X | X | 1 |
| MW-25S | | 0950 | | | | | | | | | | | | | | 2 |
| MW-23I | | 1130 | | | | | | | | | | | | | | 3 |
| MW-23S | | 1255 | | | | | | | | | | | | | | 4 |
| MW-18 | | 1430 | | | | | | | | | | | | | | 5 |
| PZ-5S | | 1110 | | | | | | | | | | | | | | 6 |
| PZ-5D | | 0950 | | | | | | | | | | | | | | 7 |
| MW-19 | | 1320 | | | | | | | | | | | | | | 8 |
| TRIP BLANK-091709 | | — | | | | | | | | 3 | | | | | | 9 |

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other STANDARD

QC Requirements (Specify)

| | Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|---|
| 1 | Nathan Smith | 9/17/09 | 1632 | | 9/17/09 | 1632 |
| 2 | | 9/17/09 | 1830 | Fred Ex | | |
| 3 | Fedex | 9/18/09 | 10:15 | | | |

Comments

**DISTRIBUTION:** WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# Login Sample Receipt Check List

Client: ARCADIS

Job Number: 460-5829-1

**Login Number: 5829**

**List Source: TestAmerica Edison**

**Creator: Meyers, Gary**

**List Number: 1**

| Question | T / F/ NA | Comment |
|---|---|---|
| Radioactivity either was not measured or, if measured, is at or below background | N/A | |
| The cooler's custody seal, if present, is intact. | True | 627106, 627109, 627107 |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 4°C |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Is the Field Sampler's name present on COC? | True | |
| Sample Preservation Verified | True | |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

Job Number: 460-5887-1

Job Description: McKesson - Bear Street

For:
ARCADIS
6723 Towpath Road
PO BOX 66
Syracuse, NY 13214

Attention: Ms. Dawn Penniman



Approved for release.
Janae S McCloud
Project Manager II
10/5/2009 12:48 PM

Janae S McCloud
Project Manager II
janae.mccloud@testamericainc.com
10/05/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

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## CASE NARRATIVE

## Client: ARCADIS

## Project: McKesson - Bear Street

## Report Number: 460-5887-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

**RECEIPT**
The samples were received on 09/18/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.0 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

**ORGANICS BY DIRECT AQUEOUS INJECTION**
Samples 460-5887-1 and 460-5887-2 were analyzed for organics by direct aqueous injection in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 09/21/2009.

No difficulties were encountered during the organics by direct aqueous injection analyses.

All quality control parameters were within the acceptance limits.

**VOLATILE ORGANIC COMPOUNDS (GC-MS)**
Samples 460-5887-1 through 460-5887-3 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/25/2009.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

**SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)**
Samples 460-5887-1 and 460-5887-2 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/22/2009 and analyzed on 09/23/2009.

No difficulties were encountered during the semivolatiles analyses.

All quality control parameters were within the acceptance limits.

## SAMPLE SUMMARY

Client: ARCADIS

Job Number: 460-5887-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|---|---|---|---|---|
| 460-5887-1 | MW-24DR | Water | 09/18/2009 0930 | 09/18/2009 1800 |
| 460-5887-2 | MW-24SR | Water | 09/18/2009 0915 | 09/18/2009 1800 |
| 460-5887-3TB | TB | Water | 09/18/2009 0000 | 09/18/2009 1800 |

## EXECUTIVE SUMMARY - Detections

Client: ARCADIS Job Number: 460-5887-1

| Lab Sample ID<br>Analyte | Client Sample ID | Result / Qualifier | Reporting Limit | Units | Method |
|---|---|---|---|---|---|

No Detections

# METHOD SUMMARY

Client: ARCADIS Job Number: 460-5887-1

| Description | Lab Location | Method | Preparation Method |
|---|---|---|---|
| **Matrix: Water** | | | |
| Volatile Organic Compounds (GC/MS) | TAL EDI | SW846 8260B | |
| Purge and Trap | TAL EDI | | SW846 5030B |
| Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) | TAL EDI | SW846 8270C | |
| Liquid-Liquid Extraction (Separatory Funnel) | TAL EDI | | SW846 3510C |
| Nonhalogenated Organic Compounds - Direct Injection (GC) | TAL EDI | SW846 8015B | |

**Lab References:**

TAL EDI = TestAmerica Edison

**Method References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: ARCADIS

Job Number: 460-5887-1

| Method | Analyst | Analyst ID |
|---|---|---|
| SW846 8260B | Martinez, Eddie | EM |
| SW846 8270C | Crocco, Michael | MC |
| SW846 8015B | Patel, Hemex | HP |

Client: ARCADIS

Job Number: 460-5887-1

**Client Sample ID:** **MW-24DR**

Lab Sample ID: 460-5887-1
Client Matrix: Water

Date Sampled: 09/18/2009 0930
Date Received: 09/18/2009 1800

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17930 | Instrument ID: VOAMS2 |
| Preparation: | 5030B | | Lab File ID: b25936.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/25/2009 0128 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/25/2009 0128 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 86 | | 70 - 122 |
| Bromofluorobenzene | 87 | | 69 - 135 |
| Toluene-d8 (Surr) | 88 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5887-1

**Client Sample ID:** **MW-24SR**

Lab Sample ID: 460-5887-2
Client Matrix: Water

Date Sampled: 09/18/2009 0915
Date Received: 09/18/2009 1800

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17930 | Instrument ID: VOAMS2 |
| Preparation: | 5030B | | Lab File ID: b25937.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/25/2009 0154 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/25/2009 0154 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 85 | | 70 - 122 |
| Bromofluorobenzene | 87 | | 69 - 135 |
| Toluene-d8 (Surr) | 88 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5887-1

**Client Sample ID:** **TB**

Lab Sample ID: 460-5887-3TB
Client Matrix: Water

Date Sampled: 09/18/2009 0000
Date Received: 09/18/2009 1800

**8260B Volatile Organic Compounds (GC/MS)**

| | | | |
|---|---|---|---|
| Method: | 8260B | Analysis Batch: 460-17930 | Instrument ID: VOAMS2 |
| Preparation: | 5030B | | Lab File ID: b25929.d |
| Dilution: | 1.0 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/24/2009 2226 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/24/2009 2226 | | |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 70 - 122 |
| Bromofluorobenzene | 86 | | 69 - 135 |
| Toluene-d8 (Surr) | 86 | | 69 - 125 |

Client: ARCADIS

Job Number: 460-5887-1

**Client Sample ID:** **MW-24DR**

Lab Sample ID: 460-5887-1
Client Matrix: Water

Date Sampled: 09/18/2009 0930
Date Received: 09/18/2009 1800

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17774 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17565 | | Lab File ID: | z4104.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/23/2009 0111 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/22/2009 0722 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 90 | | 64 - 119 |
| 2-Fluorophenol | 42 | | 15 - 57 |
| Nitrobenzene-d5 | 99 | | 69 - 120 |
| Phenol-d5 | 27 | | 10 - 41 |
| Terphenyl-d14 | 91 | | 38 - 141 |
| 2,4,6-Tribromophenol | 94 | | 69 - 127 |

Client: ARCADIS

Job Number: 460-5887-1

**Client Sample ID:** **MW-24SR**

Lab Sample ID: 460-5887-2
Client Matrix: Water

Date Sampled: 09/18/2009 0915
Date Received: 09/18/2009 1800

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

| | | | | | |
|---|---|---|---|---|---|
| Method: | 8270C | Analysis Batch: 460-17774 | | Instrument ID: | BNAMS11 |
| Preparation: | 3510C | Prep Batch: 460-17565 | | Lab File ID: | z4105.d |
| Dilution: | 1.0 | | | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/23/2009 0136 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/22/2009 0722 | | | Injection Volume: | 1.0 uL |

| Analyte | Result (ug/L) | Qualifier | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 86 | | 64 - 119 |
| 2-Fluorophenol | 41 | | 15 - 57 |
| Nitrobenzene-d5 | 92 | | 69 - 120 |
| Phenol-d5 | 26 | | 10 - 41 |
| Terphenyl-d14 | 77 | | 38 - 141 |
| 2,4,6-Tribromophenol | 89 | | 69 - 127 |

Client: ARCADIS Job Number: 460-5887-1

**Client Sample ID:** **MW-24DR**

Lab Sample ID: 460-5887-1 Date Sampled: 09/18/2009 0930
Client Matrix: Water Date Received: 09/18/2009 1800

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17484 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/21/2009 1111 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 110 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5887-1

**Client Sample ID:** **MW-24SR**

Lab Sample ID: 460-5887-2
Client Matrix: Water

Date Sampled: 09/18/2009 0915
Date Received: 09/18/2009 1800

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

| | | | |
|---|---|---|---|
| Method: | 8015B | Analysis Batch: 460-17484 | Instrument ID: BNAGC5 |
| Preparation: | N/A | | Initial Weight/Volume: 1 uL |
| Dilution: | 1.0 | | Final Weight/Volume: 10 mL |
| Date Analyzed: | 09/21/2009 1117 | | Injection Volume: 1 uL |
| Date Prepared: | | | Result Type: PRIMARY |

| Analyte | Result (ug/L) | Qualifier | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 100 | | 52 - 122 |

Client: ARCADIS

Job Number: 460-5887-1

## Surrogate Recovery Report

**8260B Volatile Organic Compounds (GC/MS)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | DCA %Rec | TOL %Rec | BFB %Rec |
|---|---|---|---|---|
| 460-5887-1 | MW-24DR | 86 | 88 | 87 |
| 460-5887-2 | MW-24SR | 85 | 88 | 87 |
| 460-5887-3 | TB | 83 | 86 | 86 |
| MB 460-17930/4 | | 88 | 90 | 89 |
| LCS 460-17930/3 | | 84 | 88 | 88 |
| 460-5957-C-4 MS | | 82 | 87 | 86 |
| 460-5957-C-4 MSD | | 83 | 88 | 87 |

| Surrogate | Acceptance Limits |
|---|---|
| DCA = 1,2-Dichloroethane-d4 (Surr) | 70-122 |
| TOL = Toluene-d8 (Surr) | 69-125 |
| BFB = Bromofluorobenzene | 69-135 |

Client: ARCADIS

Job Number: 460-5887-1

## Surrogate Recovery Report

**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | 2FP %Rec | PHL %Rec | NBZ %Rec | FBP %Rec | TBP %Rec | TPH %Rec |
|---|---|---|---|---|---|---|---|
| 460-5887-1 | MW-24DR | 42 | 27 | 99 | 90 | 94 | 91 |
| 460-5887-2 | MW-24SR | 41 | 26 | 92 | 86 | 89 | 77 |
| MB 460-17565/1-A | | 45 | 31 | 97 | 88 | 90 | 94 |
| LCS 460-17565/2-A | | 47 | 30 | 99 | 93 | 96 | 89 |
| LCSD 460-17565/3-A | | 44 | 28 | 94 | 90 | 90 | 83 |

| Surrogate | Acceptance Limits |
|---|---|
| 2FP = 2-Fluorophenol | 15-57 |
| PHL = Phenol-d5 | 10-41 |
| NBZ = Nitrobenzene-d5 | 69-120 |
| FBP = 2-Fluorobiphenyl | 64-119 |
| TBP = 2,4,6-Tribromophenol | 69-127 |
| TPH = Terphenyl-d14 | 38-141 |

## Surrogate Recovery Report

**8015B Nonhalogenated Organic Compounds - Direct Injection (GC)**

**Client Matrix: Water**

| Lab Sample ID | Client Sample ID | 1Pent1 %Rec |
|---|---|---|
| 460-5887-1 | MW-24DR | 110 |
| 460-5887-2 | MW-24SR | 100 |
| MB 460-17479/6 | | 104 |
| LCS 460-17479/3 | | 95 |
| LCSD 460-17479/4 | | 94 |

| Surrogate | Acceptance Limits |
|---|---|
| 1Pent = 1-Pentanol | 52-122 |

**Method Blank - Batch: 460-17930**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: MB 460-17930/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/24/2009 1955
Date Prepared: 09/24/2009 1955

Analysis Batch: 460-17930
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS2
Lab File ID: b25923.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 0.19 | 1.0 |
| Acetone | 10 | U | 2.5 | 10 |
| Trichloroethene | 1.0 | U | 0.18 | 1.0 |
| Benzene | 1.0 | U | 0.13 | 1.0 |
| Toluene | 1.0 | U | 0.090 | 1.0 |
| Ethylbenzene | 1.0 | U | 0.25 | 1.0 |
| Xylenes, Total | 3.0 | U | 0.43 | 3.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 88 | 70 - 122 |
| Bromofluorobenzene | 89 | 69 - 135 |
| Toluene-d8 (Surr) | 90 | 69 - 125 |

**Lab Control Sample - Batch: 460-17930**

**Method: 8260B**
**Preparation: 5030B**

Lab Sample ID: LCS 460-17930/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/24/2009 1904
Date Prepared: 09/24/2009 1904

Analysis Batch: 460-17930
Prep Batch: N/A
Units: ug/L

Instrument ID: VOAMS2
Lab File ID: b25921.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

| Analyte | Spike Amount | Result | % Rec. | Limit | Qual |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 19.2 | 96 | 79 - 119 | |
| Acetone | 20.0 | 21.0 | 105 | 45 - 156 | |
| Trichloroethene | 20.0 | 18.2 | 91 | 78 - 119 | |
| Benzene | 20.0 | 18.5 | 92 | 83 - 124 | |
| Toluene | 20.0 | 19.1 | 95 | 80 - 120 | |
| Ethylbenzene | 20.0 | 19.3 | 96 | 79 - 126 | |
| Xylenes, Total | 60.0 | 57.9 | 97 | 76 - 121 | |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 84 | 70 - 122 |
| Bromofluorobenzene | 88 | 69 - 135 |
| Toluene-d8 (Surr) | 88 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5887-1

**Matrix Spike/**
**Matrix Spike Duplicate Recovery Report - Batch: 460-17930**

**Method: 8260B**
**Preparation: 5030B**

| | | | |
|---|---|---|---|
| MS Lab Sample ID: | 460-5957-C-4 MS | Analysis Batch: 460-17930 | Instrument ID: VOAMS2 |
| Client Matrix: | Water | Prep Batch: N/A | Lab File ID: b25926.d |
| Dilution: | 10 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/24/2009 2110 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/24/2009 2110 | | |

| | | | |
|---|---|---|---|
| MSD Lab Sample ID: | 460-5957-C-4 MSD | Analysis Batch: 460-17930 | Instrument ID: VOAMS2 |
| Client Matrix: | Water | Prep Batch: N/A | Lab File ID: b25927.d |
| Dilution: | 10 | | Initial Weight/Volume: 5 mL |
| Date Analyzed: | 09/24/2009 2136 | | Final Weight/Volume: 5 mL |
| Date Prepared: | 09/24/2009 2136 | | |

| | % Rec. | | | | | | |
|---|---|---|---|---|---|---|---|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Methylene Chloride | 97 | 98 | 79 - 119 | 2 | 30 | | |
| Acetone | 111 | 106 | 45 - 156 | 4 | 30 | | |
| Trichloroethene | 92 | 95 | 78 - 119 | 3 | 30 | | |
| Benzene | 95 | 96 | 83 - 124 | 2 | 30 | | |
| Toluene | 97 | 99 | 80 - 120 | 3 | 30 | | |
| Ethylbenzene | 98 | 99 | 79 - 126 | 2 | 30 | | |
| Xylenes, Total | 99 | 100 | 76 - 121 | 2 | 30 | | |

| Surrogate | MS % Rec | MSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 82 | 83 | 70 - 122 |
| Bromofluorobenzene | 86 | 87 | 69 - 135 |
| Toluene-d8 (Surr) | 87 | 88 | 69 - 125 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5887-1

**Matrix Spike/**
**Matrix Spike Duplicate Data Report - Batch: 460-17930**

**Method: 8260B**
**Preparation: 5030B**

| | | | | | |
|---|---|---|---|---|---|
| MS Lab Sample ID: | 460-5957-C-4 MS | Units: ug/L | MSD Lab Sample ID: | 460-5957-C-4 MSD | |
| Client Matrix: | Water | | Client Matrix: | Water | |
| Dilution: | 10 | | Dilution: | 10 | |
| Date Analyzed: | 09/24/2009 2110 | | Date Analyzed: | 09/24/2009 2136 | |
| Date Prepared: | 09/24/2009 2110 | | Date Prepared: | 09/24/2009 2136 | |

| Analyte | Sample Result/Qual | | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---|---|---|---|---|---|---|
| Methylene Chloride | 1.0 | U | 200 | 200 | 193 | 197 |
| Acetone | 4.6 | U | 200 | 200 | 221 | 213 |
| Trichloroethene | 1.0 | U | 200 | 200 | 184 | 190 |
| Benzene | 1.2 | U | 200 | 200 | 189 | 193 |
| Toluene | 0.51 | U | 200 | 200 | 193 | 199 |
| Ethylbenzene | 1.0 | U | 200 | 200 | 195 | 199 |
| Xylenes, Total | 3.3 | | 600 | 600 | 595 | 606 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5887-1

**Method Blank - Batch: 460-17565**

**Method: 8270C**
**Preparation: 3510C**

| | | | | | |
|---|---|---|---|---|---|
| Lab Sample ID: | MB 460-17565/1-A | Analysis Batch: | 460-17774 | Instrument ID: | BNAMS11 |
| Client Matrix: | Water | Prep Batch: | 460-17565 | Lab File ID: | z4092.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/22/2009 2015 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/22/2009 0722 | | | Injection Volume: | 1.0 uL |

| Analyte | Result | Qual | MDL | RL |
|---|---|---|---|---|
| Aniline | 5.0 | U | 1.7 | 5.0 |
| n,n'-Dimethylaniline | 1.0 | U | 0.27 | 1.0 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 2-Fluorobiphenyl | 88 | 64 - 119 |
| 2-Fluorophenol | 45 | 15 - 57 |
| Nitrobenzene-d5 | 97 | 69 - 120 |
| Phenol-d5 | 31 | 10 - 41 |
| Terphenyl-d14 | 94 | 38 - 141 |
| 2,4,6-Tribromophenol | 90 | 69 - 127 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5887-1

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 460-17565**

**Method: 8270C**
**Preparation: 3510C**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 460-17565/2-A | Analysis Batch: | 460-17774 | Instrument ID: | BNAMS11 |
| Client Matrix: | Water | Prep Batch: | 460-17565 | Lab File ID: | z4093.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/22/2009 2040 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/22/2009 0722 | | | Injection Volume: | 1.0 uL |

| | | | | | |
|---|---|---|---|---|---|
| LCSD Lab Sample ID: | LCSD 460-17565/3-A | Analysis Batch: | 460-17774 | Instrument ID: | BNAMS11 |
| Client Matrix: | Water | Prep Batch: | 460-17565 | Lab File ID: | z4094.d |
| Dilution: | 1.0 | Units: | ug/L | Initial Weight/Volume: | 1000 mL |
| Date Analyzed: | 09/22/2009 2105 | | | Final Weight/Volume: | 2 mL |
| Date Prepared: | 09/22/2009 0722 | | | Injection Volume: | 1.0 uL |

| | % Rec. | | | | | |
|---|---|---|---|---|---|---|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Aniline | 74 | 67 | 45 - 90 | 10 | 30 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 2-Fluorobiphenyl | 93 | 90 | 64 - 119 |
| 2-Fluorophenol | 47 | 44 | 15 - 57 |
| Nitrobenzene-d5 | 99 | 94 | 69 - 120 |
| Phenol-d5 | 30 | 28 | 10 - 41 |
| Terphenyl-d14 | 89 | 83 | 38 - 141 |
| 2,4,6-Tribromophenol | 96 | 90 | 69 - 127 |

**Laboratory Control/**
**Laboratory Duplicate Data Report - Batch: 460-17565**

**Method: 8270C**
**Preparation: 3510C**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 460-17565/2-A | Units: | ug/L | LCSD Lab Sample ID: | LCSD 460-17565/3-A |
| Client Matrix: | Water | | | Client Matrix: | Water |
| Dilution: | 1.0 | | | Dilution: | 1.0 |
| Date Analyzed: | 09/22/2009 2040 | | | Date Analyzed: | 09/22/2009 2105 |
| Date Prepared: | 09/22/2009 0722 | | | Date Prepared: | 09/22/2009 0722 |

| Analyte | LCS Spike Amount | LCSD Spike Amount | LCS Result/Qual | LCSD Result/Qual |
|---|---|---|---|---|
| Aniline | 100 | 100 | 74.0 | 66.7 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Method Blank - Batch: 460-17479**

**Method: 8015B**
**Preparation: N/A**

Lab Sample ID: MB 460-17479/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 0939
Date Prepared: N/A

Analysis Batch: 460-17479
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4113.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

| Analyte | Result | Qual | RL | RL |
|---|---|---|---|---|
| Methanol | 500 | U | 500 | 500 |

| Surrogate | % Rec | Acceptance Limits |
|---|---|---|
| 1-Pentanol | 104 | 52 - 122 |

**Lab Control Sample/**
**Lab Control Sample Duplicate Recovery Report - Batch: 460-17479**

**Method: 8015B**
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-17479/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 0920
Date Prepared: N/A

Analysis Batch: 460-17479
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4110.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 460-17479/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/21/2009 0926
Date Prepared: N/A

Analysis Batch: 460-17479
Prep Batch: N/A
Units: ug/L

Instrument ID: BNAGC5
Lab File ID: gc5f4111.d
Initial Weight/Volume: 1 uL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

| Analyte | % Rec. LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
|---|---|---|---|---|---|---|---|
| Methanol | 98 | 97 | 60 - 145 | 1 | 30 | | |

| Surrogate | LCS % Rec | LCSD % Rec | Acceptance Limits |
|---|---|---|---|
| 1-Pentanol | 95 | 94 | 52 - 122 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARCADIS

Job Number: 460-5887-1

**Laboratory Control/**
**Laboratory Duplicate Data Report - Batch: 460-17479**

**Method: 8015B**
**Preparation: N/A**

| | | | | | |
|---|---|---|---|---|---|
| LCS Lab Sample ID: | LCS 460-17479/3 | Units: | ug/L | LCSD Lab Sample ID: | LCSD 460-17479/4 |
| Client Matrix: | Water | | | Client Matrix: | Water |
| Dilution: | 1.0 | | | Dilution: | 1.0 |
| Date Analyzed: | 09/21/2009 0920 | | | Date Analyzed: | 09/21/2009 0926 |
| Date Prepared: | N/A | | | Date Prepared: | N/A |

| Analyte | LCS Spike Amount | LCSD Spike Amount | LCS Result/Qual | LCSD Result/Qual |
|---|---|---|---|---|
| Methanol | 5000 | 5000 | 4890 | 4850 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## DATA REPORTING QUALIFIERS

Client: ARCADIS Job Number: 460-5887-1

| Lab Section | Qualifier | Description |
|---|---|---|
| GC/MS VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |
| GC/MS Semi VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |
| GC VOA | | |
| | U | Indicates the analyte was analyzed for but not detected. |

Client: ARCADIS Job Number: 460-5887-1

## QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| **GC/MS VOA** | | | | | |
| **Analysis Batch:460-17930** | | | | | |
| LCS 460-17930/3 | Lab Control Sample | T | Water | 8260B | |
| MB 460-17930/4 | Method Blank | T | Water | 8260B | |
| 460-5887-1 | MW-24DR | T | Water | 8260B | |
| 460-5887-2 | MW-24SR | T | Water | 8260B | |
| 460-5887-3TB | TB | T | Water | 8260B | |
| 460-5957-C-4 MS | Matrix Spike | T | Water | 8260B | |
| 460-5957-C-4 MSD | Matrix Spike Duplicate | T | Water | 8260B | |
| **GC/MS Semi VOA** | | | | | |
| **Prep Batch: 460-17565** | | | | | |
| LCS 460-17565/2-A | Lab Control Sample | T | Water | 3510C | |
| LCSD 460-17565/3-A | Lab Control Sample Duplicate | T | Water | 3510C | |
| MB 460-17565/1-A | Method Blank | T | Water | 3510C | |
| 460-5887-1 | MW-24DR | T | Water | 3510C | |
| 460-5887-2 | MW-24SR | T | Water | 3510C | |
| **Analysis Batch:460-17774** | | | | | |
| LCS 460-17565/2-A | Lab Control Sample | T | Water | 8270C | 460-17565 |
| LCSD 460-17565/3-A | Lab Control Sample Duplicate | T | Water | 8270C | 460-17565 |
| MB 460-17565/1-A | Method Blank | T | Water | 8270C | 460-17565 |
| 460-5887-1 | MW-24DR | T | Water | 8270C | 460-17565 |
| 460-5887-2 | MW-24SR | T | Water | 8270C | 460-17565 |
| **GC VOA** | | | | | |
| **Analysis Batch:460-17479** | | | | | |
| LCS 460-17479/3 | Lab Control Sample | T | Water | 8015B | |
| LCSD 460-17479/4 | Lab Control Sample Duplicate | T | Water | 8015B | |
| MB 460-17479/6 | Method Blank | T | Water | 8015B | |
| **Analysis Batch:460-17484** | | | | | |
| 460-5887-1 | MW-24DR | T | Water | 8015B | |
| 460-5887-2 | MW-24SR | T | Water | 8015B | |

**Report Basis**
T = Total

**Report Basis**
T = Total

**Report Basis**
T = Total

Client: ARCADIS Job Number: 460-5887-1

## Laboratory Chronicle

**Lab ID:** 460-5887-1 **Client ID:** MW-24DR

Sample Date/Time: 09/18/2009 09:30 Received Date/Time: 09/18/2009 18:00

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5887-D-1 | | 460-17930 | | 09/25/2009 01:28 | 1 | TAL EDI | EM |
| A:8260B | 460-5887-D-1 | | 460-17930 | | 09/25/2009 01:28 | 1 | TAL EDI | EM |
| P:3510C | 460-5887-H-1-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | 460-5887-H-1-A | | 460-17774 | 460-17565 | 09/23/2009 01:11 | 1 | TAL EDI | MC |
| A:8015B | 460-5887-A-1 | | 460-17484 | | 09/21/2009 11:11 | 1 | TAL EDI | HP |

**Lab ID:** 460-5887-2 **Client ID:** MW-24SR

Sample Date/Time: 09/18/2009 09:15 Received Date/Time: 09/18/2009 18:00

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5887-F-2 | | 460-17930 | | 09/25/2009 01:54 | 1 | TAL EDI | EM |
| A:8260B | 460-5887-F-2 | | 460-17930 | | 09/25/2009 01:54 | 1 | TAL EDI | EM |
| P:3510C | 460-5887-H-2-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | 460-5887-H-2-A | | 460-17774 | 460-17565 | 09/23/2009 01:36 | 1 | TAL EDI | MC |
| A:8015B | 460-5887-B-2 | | 460-17484 | | 09/21/2009 11:17 | 1 | TAL EDI | HP |

**Lab ID:** 460-5887-3 **Client ID:** TB

Sample Date/Time: 09/18/2009 00:00 Received Date/Time: 09/18/2009 18:00

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5887-A-3 | | 460-17930 | | 09/24/2009 22:26 | 1 | TAL EDI | EM |
| A:8260B | 460-5887-A-3 | | 460-17930 | | 09/24/2009 22:26 | 1 | TAL EDI | EM |

**Lab ID:** MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | MB 460-17930/4 | | 460-17930 | | 09/24/2009 19:55 | 1 | TAL EDI | EM |
| A:8260B | MB 460-17930/4 | | 460-17930 | | 09/24/2009 19:55 | 1 | TAL EDI | EM |
| P:3510C | MB 460-17565/1-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | MB 460-17565/1-A | | 460-17774 | 460-17565 | 09/22/2009 20:15 | 1 | TAL EDI | MC |
| A:8015B | MB 460-17479/6 | | 460-17479 | | 09/21/2009 09:39 | 1 | TAL EDI | HP |

Client: ARCADIS Job Number: 460-5887-1

## Laboratory Chronicle

**Lab ID: LCS** **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | LCS 460-17930/3 | | 460-17930 | | 09/24/2009 19:04 | 1 | TAL EDI | EM |
| A:8260B | LCS 460-17930/3 | | 460-17930 | | 09/24/2009 19:04 | 1 | TAL EDI | EM |
| P:3510C | LCS 460-17565/2-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | LCS 460-17565/2-A | | 460-17774 | 460-17565 | 09/22/2009 20:40 | 1 | TAL EDI | MC |
| A:8015B | LCS 460-17479/3 | | 460-17479 | | 09/21/2009 09:20 | 1 | TAL EDI | HP |

**Lab ID: LCSD** **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:3510C | LCSD 460-17565/3-A | | 460-17774 | 460-17565 | 09/22/2009 07:22 | 1 | TAL EDI | MC |
| A:8270C | LCSD 460-17565/3-A | | 460-17774 | 460-17565 | 09/22/2009 21:05 | 1 | TAL EDI | MC |
| A:8015B | LCSD 460-17479/4 | | 460-17479 | | 09/21/2009 09:26 | 1 | TAL EDI | HP |

**Lab ID: MS** **Client ID: N/A**

Sample Date/Time: N/A 09/22/2009 15:00 Received Date/Time: N/A 09/22/2009 17:25

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5957-C-4 MS | | 460-17930 | | 09/24/2009 21:10 | 10 | TAL EDI | EM |
| A:8260B | 460-5957-C-4 MS | | 460-17930 | | 09/24/2009 21:10 | 10 | TAL EDI | EM |

**Lab ID: MSD** **Client ID: N/A**

Sample Date/Time: N/A 09/22/2009 15:00 Received Date/Time: N/A 09/22/2009 17:25

| Method | Bottle ID | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab | Analyst |
|---|---|---|---|---|---|---|---|---|
| P:5030B | 460-5957-C-4 MSD | | 460-17930 | | 09/24/2009 21:36 | 10 | TAL EDI | EM |
| A:8260B | 460-5957-C-4 MSD | | 460-17930 | | 09/24/2009 21:36 | 10 | TAL EDI | EM |

**Lab References:**
TAL EDI = TestAmerica Edison

# GC/MS VOA

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

| Client Sample ID | Lab Sample ID | DCA # | TOL # | BFB # |
|---|---|---|---|---|
| MW-24DR | 460-5887-1 | 86 | 88 | 87 |
| MW-24SR | 460-5887-2 | 85 | 88 | 87 |
| TB | 460-5887-3 | 83 | 86 | 86 |
| | MB 460-17930/4 | 88 | 90 | 89 |
| | LCS 460-17930/3 | 84 | 88 | 88 |
| | 460-5957-C-4 MS | 82 | 87 | 86 |
| | 460-5957-C-4 MSD | 83 | 88 | 87 |

| | QC LIMITS |
|---|---|
| DCA = 1,2-Dichloroethane-d4 (Surr) | 70-122 |
| TOL = Toluene-d8 (Surr) | 69-125 |
| BFB = Bromofluorobenzene | 69-135 |

# Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25921.d

Lab ID: LCS 460-17930/3 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methylene Chloride | 20.0 | 19.2 | 96 | 79-119 | |
| Acetone | 20.0 | 21.0 | 105 | 45-156 | |
| Trichloroethene | 20.0 | 18.2 | 91 | 78-119 | |
| Benzene | 20.0 | 18.5 | 92 | 83-124 | |
| Toluene | 20.0 | 19.1 | 95 | 80-120 | |
| Ethylbenzene | 20.0 | 19.3 | 96 | 79-126 | |
| Xylenes, Total | 60.0 | 57.9 | 97 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25926.d

Lab ID: 460-5957-C-4 MS Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|---|
| Methylene Chloride | 200 | 1.0 U | 193 | 97 | 79-119 | |
| Acetone | 200 | 4.6 J | 221 | 111 | 45-156 | |
| Trichloroethene | 200 | 1.0 U | 184 | 92 | 78-119 | |
| Benzene | 200 | 1.2 | 189 | 95 | 83-124 | |
| Toluene | 200 | 0.51 J | 193 | 97 | 80-120 | |
| Ethylbenzene | 200 | 1.0 U | 195 | 98 | 79-126 | |
| Xylenes, Total | 600 | 3.3 | 595 | 99 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b25927.d

Lab ID: 460-5957-C-4 MSD Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 200 | 197 | 98 | 2 | 30 | 79-119 | |
| Acetone | 200 | 213 | 106 | 4 | 30 | 45-156 | |
| Trichloroethene | 200 | 190 | 95 | 3 | 30 | 78-119 | |
| Benzene | 200 | 193 | 96 | 2 | 30 | 83-124 | |
| Toluene | 200 | 199 | 99 | 3 | 30 | 80-120 | |
| Ethylbenzene | 200 | 199 | 99 | 2 | 30 | 79-126 | |
| Xylenes, Total | 600 | 606 | 100 | 2 | 30 | 76-121 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab File ID: b25923.d Lab Sample ID: MB 460-17930/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VOAMS2 Date Analyzed: 09/24/2009 19:55

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 460-17930/3 | b25921.d | 09/24/2009 19:04 |
| | 460-5957-C-4 MS | b25926.d | 09/24/2009 21:10 |
| | 460-5957-C-4 MSD | b25927.d | 09/24/2009 21:36 |
| TB | 460-5887-3 | b25929.d | 09/24/2009 22:26 |
| MW-24DR | 460-5887-1 | b25936.d | 09/25/2009 01:28 |
| MW-24SR | 460-5887-2 | b25937.d | 09/25/2009 01:54 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab File ID: b25720.d BFB Injection Date: 09/19/2009

Instrument ID: VOAMS2 BFB Injection Time: 06:59

Analysis Batch No.: 17465

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 17.3 | |
| 75 | 30.0 - 60.0 % of mass 95 | 47.2 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.7 | |
| 173 | Less than 2.0 % of mass 174 | 0.5 | (0.6)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 87.6 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.0 | (6.9)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 84.8 | (96.8)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.4 | (6.4)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | IC 460-17465/2 | b25722.d | 09/19/2009 | 07:48 |
| | IC 460-17465/3 | b25724.d | 09/19/2009 | 08:41 |
| | ICIS 460-17465/4 | b25725.d | 09/19/2009 | 09:08 |
| | IC 460-17465/5 | b25726.d | 09/19/2009 | 09:34 |
| | IC 460-17465/6 | b25727.d | 09/19/2009 | 10:01 |
| | IC 460-17465/7 | b25728.d | 09/19/2009 | 10:27 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab File ID: b25918.d BFB Injection Date: 09/24/2009

Instrument ID: VOAMS2 BFB Injection Time: 17:43

Analysis Batch No.: 17930

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 50 | 15.0 - 40.0 % of mass 95 | 18.4 | |
| 75 | 30.0 - 60.0 % of mass 95 | 46.5 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.6 | |
| 173 | Less than 2.0 % of mass 174 | 0.7 | (0.7)1 |
| 174 | 50.0 - 120.00 % of mass 95 | 88.5 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.1 | (6.8)1 |
| 176 | 95.0 - 101.0 % of mass 174 | 84.4 | (95.3)1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.4 | (6.4)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17930/2 | b25920.d | 09/24/2009 | 18:39 |
| | LCS 460-17930/3 | b25921.d | 09/24/2009 | 19:04 |
| | MB 460-17930/4 | b25923.d | 09/24/2009 | 19:55 |
| | 460-5957-C-4 MS | b25926.d | 09/24/2009 | 21:10 |
| | 460-5957-C-4 MSD | b25927.d | 09/24/2009 | 21:36 |
| TB | 460-5887-3 | b25929.d | 09/24/2009 | 22:26 |
| MW-24DR | 460-5887-1 | b25936.d | 09/25/2009 | 01:28 |
| MW-24SR | 460-5887-2 | b25937.d | 09/25/2009 | 01:54 |

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Sample No.: CCVIS 460-17930/2 Date Analyzed: 09/24/2009 18:39

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): b25920.d Heated Purge: (Y/N) N

| | | FB | | CBZ | | DCB | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 1075988 | 4.56 | 807650 | 8.06 | 396513 | 9.98 |
| UPPER LIMIT | | 2151976 | 5.06 | 1615300 | 8.56 | 793026 | 10.48 |
| LOWER LIMIT | | 537994 | 4.06 | 403825 | 7.56 | 198257 | 9.48 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 460-17930/3 | | 1055782 | 4.56 | 797911 | 8.06 | 385378 | 9.99 |
| MB 460-17930/4 | | 1004837 | 4.56 | 755868 | 8.06 | 374745 | 9.98 |
| 460-5957-C-4 MS | | 1042218 | 4.56 | 781923 | 8.06 | 389924 | 9.98 |
| 460-5957-C-4 MSD | | 1042220 | 4.56 | 781665 | 8.06 | 385469 | 9.98 |
| 460-5887-3 | TB | 1010625 | 4.56 | 758444 | 8.06 | 372618 | 9.98 |
| 460-5887-1 | MW-24DR | 998472 | 4.56 | 753293 | 8.06 | 370380 | 9.98 |
| 460-5887-2 | MW-24SR | 986583 | 4.56 | 740394 | 8.06 | 364373 | 9.98 |

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Client Sample ID: MW-24DR Lab Sample ID: 460-5887-1

Matrix: Water Lab File ID: b25936.d

Analysis Method: 8260B Date Collected: 09/18/2009 09:30

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2009 01:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17930 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 86 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 87 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25936.d
Report Date: 28-Sep-2009 14:41

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25936.d
Lab Smp Id: 460-5887-D-1 Client Smp ID: MW-24DR
Inj Date : 25-SEP-2009 01:28
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5887-D-1
Misc Info : 460-5887-D-1
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/8260_09.m
Meth Date : 24-Sep-2009 19:20 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 28 MTBE | 73 | 2.549 | 2.549 | (0.559) | 5065 | 0.34356 | 0.34(a) |
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.212 | (0.922) | 208244 | 43.1600 | 43 |
| * 52 Fluorobenzene | 96 | 4.557 | 4.557 | (1.000) | 998472 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.458 | (0.800) | 626984 | 43.9805 | 44 |
| * 78 Chlorobenzene-d5 | 117 | 8.063 | 8.063 | (1.000) | 753293 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 247801 | 43.2820 | 43 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 370380 | 50.0000 | |

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b25936.d

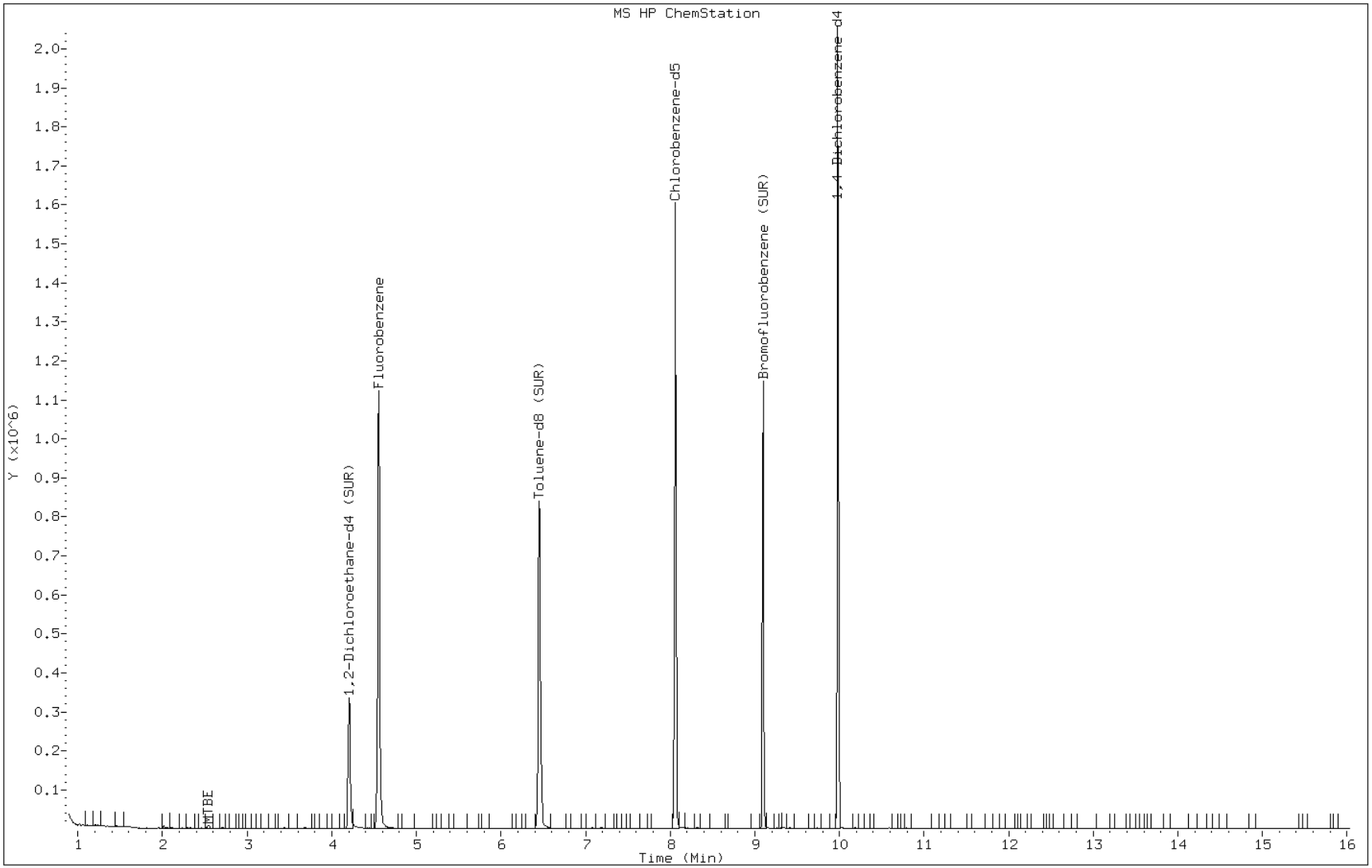
Date: 25-SEP-2009 01:28

Client ID: MW-24DR

Instrument: VOAMS2.i

Sample Info: 460-5887-D-1

Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5887-1

SDG No.:

Client Sample ID: MW-24SR | Lab Sample ID: 460-5887-2

Matrix: Water | Lab File ID: b25937.d

Analysis Method: 8260B | Date Collected: 09/18/2009 09:15

Sample wt/vol: 5(mL) | Date Analyzed: 09/25/2009 01:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17930 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 85 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 87 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25937.d
Report Date: 28-Sep-2009 14:41

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25937.d
Lab Smp Id: 460-5887-F-2 Client Smp ID: MW-24SR
Inj Date : 25-SEP-2009 01:54
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5887-F-2
Misc Info : 460-5887-F-2
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/8260_09.m
Meth Date : 24-Sep-2009 19:20 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 2464 | 5.53762 | 5.5(a) |
| 28 MTBE | 73 | 2.549 | 2.549 | (0.559) | 4942 | 0.33926 | 0.34(a) |
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.212 | (0.922) | 201883 | 42.3459 | 42 |
| * 52 Fluorobenzene | 96 | 4.557 | 4.557 | (1.000) | 986583 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.458 | (0.800) | 618377 | 44.1324 | 44 |
| * 78 Chlorobenzene-d5 | 117 | 8.063 | 8.063 | (1.000) | 740394 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 243706 | 43.2685 | 43 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 364373 | 50.0000 | |

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b25937.d

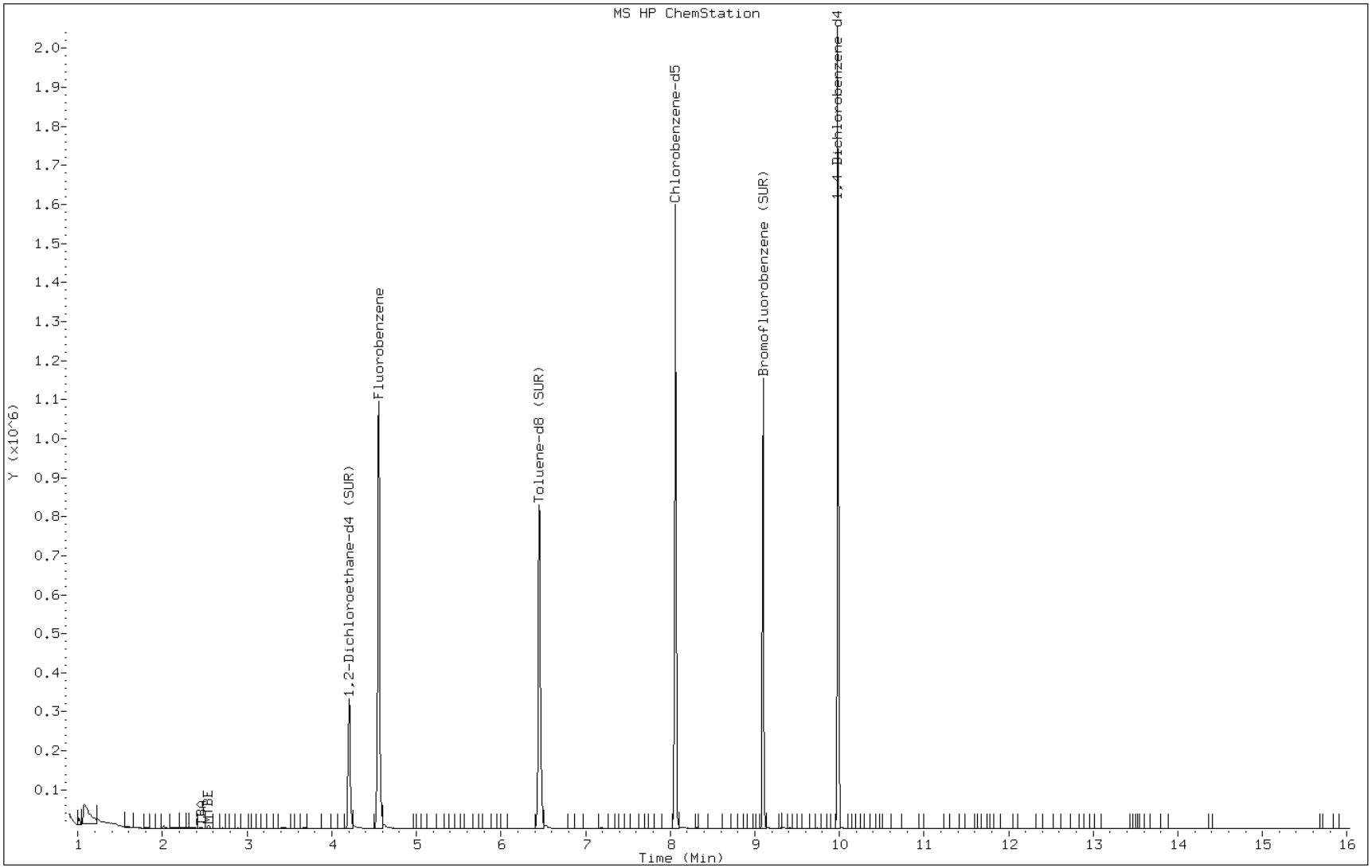
Date: 25-SEP-2009 01:54

Client ID: MW-24SR

Instrument: VOAMS2.i

Sample Info: 460-5887-F-2

Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison  Job No.: 460-5887-1

SDG No.:

Client Sample ID: TB  Lab Sample ID: 460-5887-3

Matrix: Water  Lab File ID: b25929.d

Analysis Method: 8260B  Date Collected: 09/18/2009 00:00

Sample wt/vol: 5(mL)  Date Analyzed: 09/24/2009 22:26

Soil Aliquot Vol:  Dilution Factor: 1

Soil Extract Vol.:  GC Column: DB-624  ID: 0.18(mm)

% Moisture:  Level: (low/med) Low

Analysis Batch No.: 17930  Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 83 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 86 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 86 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25929.d
Report Date: 28-Sep-2009 14:14

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25929.d
Lab Smp Id: 460-5887-A-3 Client Smp ID: TB
Inj Date : 24-SEP-2009 22:26
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5887-A-3
Misc Info : 460-5887-A-3
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/8260_09.m
Meth Date : 24-Sep-2009 19:20 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.212 | (0.922) | 203737 | 41.7181 | 42 |
| * 52 Fluorobenzene | 96 | 4.557 | 4.557 | (1.000) | 1010625 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.458 | (0.800) | 615444 | 42.8778 | 43 |
| * 78 Chlorobenzene-d5 | 117 | 8.063 | 8.063 | (1.000) | 758444 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 246327 | 42.7662 | 43 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 372618 | 50.0000 | |

Data File: b25929.d

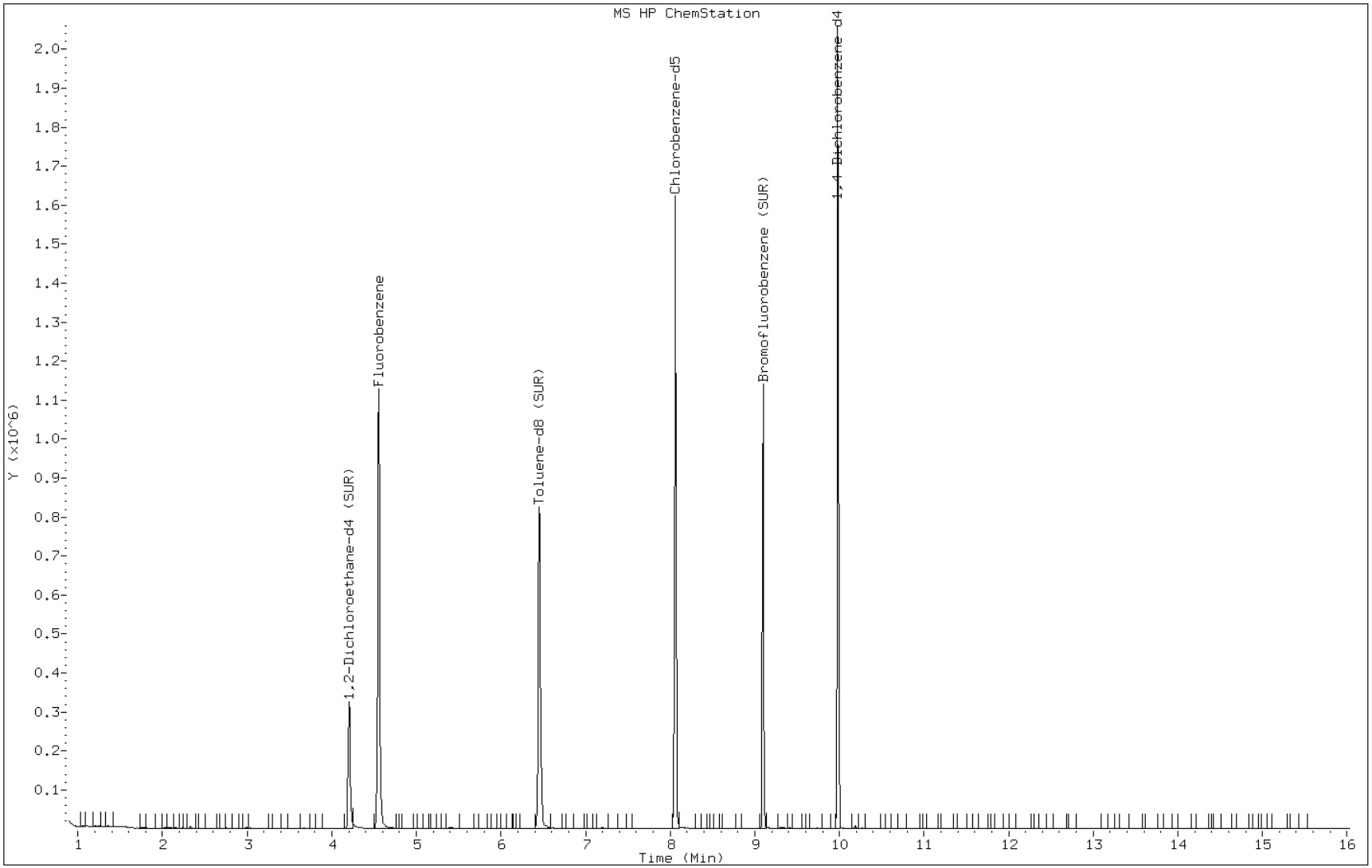
Date: 24-SEP-2009 22:26

Client ID: TB

Instrument: VOAMS2.i

Sample Info: 460-5887-A-3

Operator:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17465/2 | b25722.d |
| Level 2 | IC 460-17465/3 | b25724.d |
| Level 3 | ICIS 460-17465/4 | b25725.d |
| Level 4 | IC 460-17465/5 | b25726.d |
| Level 5 | IC 460-17465/6 | b25727.d |
| Level 6 | IC 460-17465/7 | b25728.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 3-Chloro-1-propene | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | | | | |
| Dimethylnaphthalene (total) | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | 15.0 | | | |
| n-Heptane | 0<br>0 | 0 | 0 | 0 | 0 | Ave | | | | | | | | 15.0 | | | |
| Dichlorodifluoromethane | 0.1154<br>0.2023 | 0.1993 | 0.1878 | 0.1968 | 0.2107 | LinF | | 0.2034 | | | | | | | 0.9997 | | 0.9900 |
| Chloromethane | 0.3331<br>0.3216 | 0.2957 | 0.2676 | 0.2723 | 0.2972 | Ave | | 0.2979 | | | 0.1000 | 8.7 | | 15.0 | | | |
| Vinyl chloride | 0.2128<br>0.2848 | 0.2921 | 0.2921 | 0.2908 | 0.2914 | Ave | | 0.2773 | | | | 11.4 | | 30.0 | | | |
| Bromomethane | 0.1587<br>0.1313 | 0.1497 | 0.1292 | 0.1446 | 0.1364 | Ave | | 0.1416 | | | | 8.1 | | 15.0 | | | |
| Chloroethane | 0.1339<br>0.1504 | 0.1745 | 0.1649 | 0.1641 | 0.1521 | Ave | | 0.1566 | | | | 9.1 | | 15.0 | | | |
| Trichlorofluoromethane | 0.2195<br>0.3382 | 0.3657 | 0.3643 | 0.3602 | 0.3658 | LinF | | 0.3424 | | | | | | | 0.9988 | | 0.9900 |
| Pentane | 0.0250<br>0.0431 | 0.0427 | 0.0418 | 0.0426 | 0.0437 | LinF | | 0.0432 | | | | | | | 1.0000 | | 0.9900 |
| 2-Methyl-1,3-butadiene | 0.2550<br>0.3361 | 0.3656 | 0.3277 | 0.3364 | 0.3475 | Ave | | 0.3280 | | | | 11.6 | | 15.0 | | | |
| Ethyl ether | 0.2179<br>0.1948 | 0.2294 | 0.2174 | 0.2015 | 0.1995 | Ave | | 0.2101 | | | | 6.4 | | 15.0 | | | |
| Acrolein | 0.0144<br>0.0095 | 0.0108 | 0.0105 | 0.0098 | 0.0091 | LinF | | 0.0094 | | | | | | | 0.9991 | | 0.9900 |
| 1,1-Dichloroethene | 0.1469<br>0.1901 | 0.1700 | 0.1904 | 0.1889 | 0.1912 | Ave | | 0.1796 | | | | 10.0 | | 30.0 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.1465<br>0.2278 | 0.2427 | 0.2167 | 0.2240 | 0.2278 | LinF | | 0.2278 | | | | | | | 1.0000 | | 0.9900 |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Acetone | 0.0261<br>0.0223 | 0.0260 | 0.0288 | 0.0245 | 0.0232 | Ave | | 0.0252 | | | | 9.3 | | 15.0 | | | |
| Iodomethane | 0.4211<br>0.3261 | 0.3623 | 0.3339 | 0.3378 | 0.3402 | Ave | | 0.3536 | | | | 10.0 | | 15.0 | | | |
| Carbon disulfide | 0.6726<br>0.7505 | 0.8076 | 0.7405 | 0.7569 | 0.7819 | Ave | | 0.7517 | | | | 6.1 | | 15.0 | | | |
| Isopropyl alcohol | 0.0087<br>0.0102 | 0.0091 | 0.0105 | 0.0098 | 0.0112 | Ave | | 0.0099 | | | | 9.4 | | 15.0 | | | |
| Acetonitrile | 0.0061<br>0.0048 | 0.0068 | 0.0064 | 0.0054 | 0.0051 | Ave | | 0.0057 | | | | 13.6 | | 15.0 | | | |
| Methyl acetate | 0.0917<br>0.0891 | 0.1041 | 0.0985 | 0.0924 | 0.0901 | Ave | | 0.0943 | | | | 6.2 | | 15.0 | | | |
| Methylene Chloride | 0.2205<br>0.2251 | 0.2482 | 0.2651 | 0.2485 | 0.2389 | Ave | | 0.2411 | | | | 6.9 | | 15.0 | | | |
| 2-Methyl-2-propanol | 0.0208<br>0.0219 | 0.0238 | 0.0239 | 0.0220 | 0.0228 | Ave | | 0.0226 | | | | 5.3 | | 15.0 | | | |
| trans-1,2-Dichloroethene | 0.2137<br>0.2478 | 0.2259 | 0.2489 | 0.2457 | 0.2464 | Ave | | 0.2381 | | | | 6.2 | | 15.0 | | | |
| Acrylonitrile | 0.0919<br>0.1229 | 0.1075 | 0.1196 | 0.1165 | 0.1103 | Ave | | 0.1115 | | | | 10.0 | | 15.0 | | | |
| Methyl tert-butyl ether | 0.6999<br>0.7020 | 0.8077 | 0.7719 | 0.7281 | 0.7200 | Ave | | 0.7383 | | | | 5.8 | | 15.0 | | | |
| Hexane | 0.1216<br>0.1575 | 0.1754 | 0.1576 | 0.1607 | 0.1631 | Ave | | 0.1560 | | | | 11.6 | | 15.0 | | | |
| 1,1-Dichloroethane | 0.3683<br>0.4193 | 0.3960 | 0.4447 | 0.4231 | 0.4262 | Ave | | 0.4129 | | | 0.1000 | 6.5 | | 15.0 | | | |
| Vinyl acetate | 0.6013<br>0.5367 | 0.6365 | 0.5862 | 0.5520 | 0.5436 | Ave | | 0.5760 | | | | 6.8 | | 15.0 | | | |
| Isopropyl ether | 0.7120<br>0.6872 | 0.7968 | 0.7525 | 0.7127 | 0.7187 | Ave | | 0.7300 | | | | 5.3 | | 15.0 | | | |
| Tert-butyl ethyl ether | 0.7522<br>0.7148 | 0.8299 | 0.7842 | 0.7407 | 0.7376 | Ave | | 0.7599 | | | | 5.4 | | 15.0 | | | |
| 2,2-Dichloropropane | 0.2641<br>0.2986 | 0.2867 | 0.3175 | 0.3066 | 0.3080 | Ave | | 0.2969 | | | | 6.4 | | 15.0 | | | |
| cis-1,2-Dichloroethene | 0.2493<br>0.2774 | 0.2632 | 0.2927 | 0.2763 | 0.2789 | Ave | | 0.2730 | | | | 5.5 | | 15.0 | | | |
| 2-Butanone (MEK) | 0.0303<br>0.0352 | 0.0346 | 0.0390 | 0.0344 | 0.0327 | Ave | | 0.0344 | | | | 8.3 | | 15.0 | | | |
| Ethyl acetate | 0.0264<br>0.0314 | 0.0339 | 0.0343 | 0.0320 | 0.0311 | Ave | | 0.0315 | | | | 8.9 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Chlorobromomethane | 0.1287<br>0.1463 | 0.1349 | 0.1543 | 0.1440 | 0.1455 | Ave | | 0.1423 | | | | 6.4 | | 15.0 | | | |
| Tetrahydrofuran | 0.1459<br>0.0799 | 0.1046 | 0.0925 | 0.0824 | 0.0792 | LinF | | 0.0799 | | | | | | | 0.9999 | | 0.9900 |
| Chloroform | 0.3762<br>0.4258 | 0.4082 | 0.4575 | 0.4348 | 0.4337 | Ave | | 0.4227 | | | | 6.6 | | 30.0 | | | |
| 1,1,1-Trichloroethane | 0.2504<br>0.3478 | 0.3053 | 0.3516 | 0.3473 | 0.3524 | Ave | | 0.3258 | | | | 12.6 | | 15.0 | | | |
| Cyclohexane | 0.2587<br>0.3978 | 0.4148 | 0.3795 | 0.3965 | 0.4047 | LinF | | 0.3987 | | | | | | | 0.9999 | | 0.9900 |
| Carbon tetrachloride | 0.1925<br>0.3028 | 0.2416 | 0.2868 | 0.2884 | 0.3006 | LinF | | 0.3024 | | | | | | | 1.0000 | | 0.9900 |
| 1,1-Dichloropropene | 0.2470<br>0.3352 | 0.2883 | 0.3333 | 0.3326 | 0.3341 | Ave | | 0.3117 | | | | 11.7 | | 15.0 | | | |
| Benzene | 1.4759<br>1.1701 | 1.2632 | 1.3117 | 1.2370 | 1.1965 | Ave | | 1.2757 | | | | 8.6 | | 15.0 | | | |
| 1,2-Dichloroethane | 0.3083<br>0.3201 | 0.3238 | 0.3578 | 0.3313 | 0.3272 | Ave | | 0.3281 | | | | 5.0 | | 15.0 | | | |
| Isopropyl acetate | 0.6372<br>0.5501 | 0.6749 | 0.6473 | 0.6053 | 0.5825 | Ave | | 0.6162 | | | | 7.4 | | 15.0 | | | |
| Tert-amyl methyl ether | 0.6976<br>0.7175 | 0.7976 | 0.7680 | 0.7252 | 0.7281 | Ave | | 0.7390 | | | | 5.0 | | 15.0 | | | |
| Trichloroethene | 0.2156<br>0.2600 | 0.2342 | 0.2660 | 0.2590 | 0.2613 | Ave | | 0.2494 | | | | 8.0 | | 15.0 | | | |
| n-Butanol | 0.0035<br>0.0054 | 0.0039 | 0.0046 | 0.0047 | 0.0054 | QuaF | | 252.08 | -219.2 | | | | | | 0.9937 | | 0.9900 |
| Ethyl acrylate | 0.5657<br>0.6522 | 0.7217 | 0.6900 | 0.6779 | 0.6670 | Ave | | 0.6624 | | | | 8.0 | | 15.0 | | | |
| Methylcyclohexane | 0.2635<br>0.4049 | 0.4210 | 0.3924 | 0.4061 | 0.4129 | LinF | | 0.4060 | | | | | | | 0.9999 | | 0.9900 |
| 1,2-Dichloropropane | 0.2249<br>0.2544 | 0.2399 | 0.2693 | 0.2572 | 0.2551 | Ave | | 0.2501 | | | | 6.2 | | 30.0 | | | |
| Dibromomethane | 0.1493<br>0.1791 | 0.1705 | 0.1932 | 0.1794 | 0.1789 | Ave | | 0.1751 | | | | 8.3 | | 15.0 | | | |
| 1,4-Dioxane | +++++ | +++++ | +++++ | +++++ | +++++ | Ave | | | | | | | | 15.0 | | | |
| Methyl methacrylate | 0.0681<br>0.0812 | 0.0863 | 0.0851 | 0.0827 | 0.0806 | Ave | | 0.0807 | | | | 8.1 | | 15.0 | | | |
| n-Propyl acetate | 0.4070<br>0.3783 | 0.4465 | 0.4397 | 0.4123 | 0.3894 | Ave | | 0.4122 | | | | 6.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Dichlorobromomethane | 0.2863<br>0.3500 | 0.3123 | 0.3604 | 0.3452 | 0.3508 | Ave | | 0.3342 | | | | 8.6 | | 15.0 | | | |
| 2-Chloroethyl vinyl ether | 0.1819<br>0.1923 | 0.2168 | 0.2021 | 0.1945 | 0.1933 | Ave | | 0.1968 | | | | 6.0 | | 15.0 | | | |
| Epichlorohydrin | 0.0316<br>0.0336 | 0.0362 | 0.0375 | 0.0349 | 0.0336 | Ave | | 0.0346 | | | | 6.0 | | 15.0 | | | |
| cis-1,3-Dichloropropene | 0.4401<br>0.5232 | 0.4678 | 0.5503 | 0.5231 | 0.5199 | Ave | | 0.5041 | | | | 8.2 | | 15.0 | | | |
| 4-Methyl-2-pentanone (MIBK) | 0.3073<br>0.3388 | 0.3371 | 0.3976 | 0.3503 | 0.3391 | Ave | | 0.3450 | | | | 8.6 | | 15.0 | | | |
| Toluene | 1.4253<br>1.2600 | 1.3217 | 1.4250 | 1.3492 | 1.3004 | Ave | | 1.3469 | | | | 5.0 | | 30.0 | | | |
| trans-1,3-Dichloropropene | 0.4164<br>0.5016 | 0.4424 | 0.5167 | 0.4925 | 0.4949 | Ave | | 0.4774 | | | | 8.2 | | 15.0 | | | |
| 1,1,2-Trichloroethane | 0.2387<br>0.2604 | 0.2540 | 0.2853 | 0.2636 | 0.2584 | Ave | | 0.2601 | | | | 5.8 | | 15.0 | | | |
| Tetrachloroethene | 0.2750<br>0.3550 | 0.3125 | 0.3634 | 0.3543 | 0.3545 | Ave | | 0.3358 | | | | 10.4 | | 15.0 | | | |
| 1,3-Dichloropropane | 0.4825<br>0.5234 | 0.5082 | 0.5777 | 0.5369 | 0.5211 | Ave | | 0.5250 | | | | 6.0 | | 15.0 | | | |
| 2-Hexanone | 0.2224<br>0.2504 | 0.2433 | 0.2817 | 0.2541 | 0.2480 | Ave | | 0.2500 | | | | 7.7 | | 15.0 | | | |
| Chlorodibromomethane | 0.2792<br>0.3706 | 0.3053 | 0.3666 | 0.3555 | 0.3638 | Ave | | 0.3402 | | | | 11.3 | | 15.0 | | | |
| n-Butyl acetate | 0.0899<br>0.1063 | 0.1080 | 0.1104 | 0.1062 | 0.1046 | Ave | | 0.1042 | | | | 7.0 | | 15.0 | | | |
| Ethylene Dibromide | 0.3132<br>0.3468 | 0.3258 | 0.3758 | 0.3510 | 0.3465 | Ave | | 0.3432 | | | | 6.3 | | 15.0 | | | |
| Chlorobenzene | 0.8050<br>0.8420 | 0.8261 | 0.9199 | 0.8662 | 0.8595 | Ave | | 0.8531 | | | 0.3000 | 4.6 | | 15.0 | | | |
| 1,1,1,2-Tetrachloroethane | 0.2484<br>0.3192 | 0.2569 | 0.3144 | 0.2977 | 0.3094 | Ave | | 0.2910 | | | | 10.5 | | 15.0 | | | |
| Ethylbenzene | 0.3856<br>0.4614 | 0.4037 | 0.4758 | 0.4571 | 0.4588 | Ave | | 0.4404 | | | | 8.3 | | 30.0 | | | |
| m-Xylene & p-Xylene | 0.4785<br>0.5270 | 0.4995 | 0.5907 | 0.5692 | 0.5626 | Ave | | 0.5379 | | | | 8.1 | | 15.0 | | | |
| o-Xylene | 0.4628<br>0.5408 | 0.4824 | 0.5624 | 0.5427 | 0.5423 | Ave | | 0.5222 | | | | 7.6 | | 15.0 | | | |
| Styrene | 0.8356<br>0.9123 | 0.8478 | 1.0200 | 0.9700 | 0.9737 | Ave | | 0.9266 | | | | 8.0 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| n-Butyl acrylate | 0.2267<br>0.2822 | 0.2751 | 0.2801 | 0.2724 | 0.2812 | Ave | | 0.2696 | | | | 7.9 | | 15.0 | | | |
| Bromoform | 0.1834<br>0.2818 | 0.2073 | 0.2554 | 0.2504 | 0.2687 | LinF | | 0.2798 | | | | | | | 0.9994 | | 0.9900 |
| Amyl acetate (mixed isomers) | 0.3179<br>0.3631 | 0.3934 | 0.3859 | 0.3700 | 0.3681 | Ave | | 0.3664 | | | | 7.2 | | 15.0 | | | |
| Isopropylbenzene | 1.0319<br>1.2114 | 1.1557 | 1.3717 | 1.3287 | 1.3176 | Ave | | 1.2362 | | | | 10.4 | | 15.0 | | | |
| Camphene | 0.3534<br>0.5021 | 0.4968 | 0.4699 | 0.4881 | 0.5007 | Ave | | 0.4685 | | | | 12.3 | | 15.0 | | | |
| Bromobenzene | 0.7387<br>0.7651 | 0.7394 | 0.8324 | 0.7846 | 0.7765 | Ave | | 0.7728 | | | | 4.5 | | 15.0 | | | |
| 1,1,2,2-Tetrachloroethane | 0.7855<br>0.8558 | 0.7953 | 0.9247 | 0.8651 | 0.8464 | Ave | | 0.8455 | | | 0.3000 | 6.0 | | 15.0 | | | |
| 1,2,3-Trichloropropane | 0.2365<br>0.2590 | 0.2421 | 0.2821 | 0.2644 | 0.2548 | Ave | | 0.2565 | | | | 6.4 | | 15.0 | | | |
| trans-1,4-Dichloro-2-butene | 0.2205<br>0.2487 | 0.2682 | 0.2717 | 0.2603 | 0.2515 | Ave | | 0.2535 | | | | 7.3 | | 15.0 | | | |
| N-Propylbenzene | 2.7464<br>2.7350 | 3.0888 | 3.5431 | 3.3876 | 3.3220 | Ave | | 3.1371 | | | | 10.8 | | 15.0 | | | |
| 2-Chlorotoluene | 1.7642<br>1.8388 | 1.7830 | 2.0445 | 1.9408 | 1.9313 | Ave | | 1.8837 | | | | 5.7 | | 15.0 | | | |
| 4-Chlorotoluene | 2.1043<br>2.0442 | 2.0876 | 2.4032 | 2.2960 | 2.2746 | Ave | | 2.2016 | | | | 6.5 | | 15.0 | | | |
| 1,3,5-Trimethylbenzene | 1.9569<br>2.0322 | 1.9706 | 2.3467 | 2.2800 | 2.2637 | Ave | | 2.1417 | | | | 8.1 | | 15.0 | | | |
| Butyl Methacrylate | 0.6709<br>0.8468 | 0.8351 | 0.8471 | 0.8306 | 0.8437 | Ave | | 0.8124 | | | | 8.6 | | 15.0 | | | |
| tert-Butylbenzene | 1.5330<br>1.8616 | 1.6891 | 1.9637 | 1.8943 | 1.9177 | Ave | | 1.8099 | | | | 9.1 | | 15.0 | | | |
| 1,2,4-Trimethylbenzene | 2.0540<br>2.1122 | 2.0653 | 2.4082 | 2.3143 | 2.2751 | Ave | | 2.2048 | | | | 6.7 | | 15.0 | | | |
| 2-Octanone | 0.6728<br>0.9150 | 0.8858 | 0.9042 | 0.9281 | 0.9399 | Ave | | 0.8743 | | | | 11.5 | | 15.0 | | | |
| sec-Butylbenzene | 2.1746<br>2.4314 | 2.5450 | 2.9368 | 2.8415 | 2.8373 | Ave | | 2.6278 | | | | 11.2 | | 15.0 | | | |
| 2-Octanol | 0.1663<br>0.3831 | 0.2102 | 0.2447 | 0.2978 | 0.3702 | QuaF | | 2.8290 | -0.058 | | | | | | 0.9996 | | 0.9900 |
| 1,3-Dichlorobenzene | 1.3731<br>1.3269 | 1.2662 | 1.4700 | 1.3889 | 1.3622 | Ave | | 1.3646 | | | | 5.0 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 4-Isopropyltoluene | 1.9198<br>2.1348 | 2.0787 | 2.4722 | 2.4154 | 2.4078 | Ave | | 2.2381 | | | | 10.0 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.4200<br>1.3489 | 1.3472 | 1.5191 | 1.4170 | 1.4024 | Ave | | 1.4091 | | | | 4.5 | | 15.0 | | | |
| Benzyl chloride | 1.1181<br>1.3583 | 1.3271 | 1.4084 | 1.3992 | 1.4181 | Ave | | 1.3382 | | | | 8.5 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.2748<br>1.2450 | 1.2057 | 1.3852 | 1.3166 | 1.3210 | Ave | | 1.2914 | | | | 4.9 | | 15.0 | | | |
| n-Butylbenzene | 1.6397<br>2.0171 | 1.9502 | 2.2743 | 2.2415 | 2.2426 | Ave | | 2.0609 | | | | 11.9 | | 15.0 | | | |
| 1,2-Dibromo-3-Chloropropane | 0.1222<br>0.1409 | 0.1143 | 0.1455 | 0.1417 | 0.1420 | Ave | | 0.1344 | | | | 9.6 | | 15.0 | | | |
| Camphor | 0.0722<br>0.0538 | 0.0669 | 0.0613 | 0.0575 | 0.0573 | Ave | | 0.0615 | | | | 11.2 | | 15.0 | | | |
| 1,2,4-Trichlorobenzene | 0.7862<br>0.7408 | 0.7220 | 0.8401 | 0.8457 | 0.7853 | Ave | | 0.7867 | | | | 6.4 | | 15.0 | | | |
| Hexachlorobutadiene | 0.2388<br>0.3342 | 0.2774 | 0.2971 | 0.3213 | 0.3464 | Ave | | 0.3025 | | | | 13.2 | | 15.0 | | | |
| Naphthalene | 1.9028<br>1.7231 | 1.7257 | 2.1177 | 2.1326 | 1.9848 | Ave | | 1.9311 | | | | 9.4 | | 15.0 | | | |
| 1,2,3-Trichlorobenzene | 0.6854<br>0.5719 | 0.5951 | 0.6828 | 0.7098 | 0.6523 | Ave | | 0.6496 | | | | 8.4 | | 15.0 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 0.2472<br>0.2428 | 0.2387 | 0.2467 | 0.2405 | 0.2339 | Ave | | 0.2416 | | | | 2.1 | | 15.0 | | | |
| Toluene-d8 (Surr) | 0.9535<br>0.9505 | 0.9340 | 0.9746 | 0.9470 | 0.9178 | Ave | | 0.9462 | | | | 2.0 | | 15.0 | | | |
| 4-Bromofluorobenzene | 0.7945<br>0.7779 | 0.7552 | 0.7805 | 0.7797 | 0.7495 | Ave | | 0.7729 | | | | 2.2 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17465/2 | b25722.d |
| Level 2 | IC 460-17465/3 | b25724.d |
| Level 3 | ICIS 460-17465/4 | b25725.d |
| Level 4 | IC 460-17465/5 | b25726.d |
| Level 5 | IC 460-17465/6 | b25727.d |
| Level 6 | IC 460-17465/7 | b25728.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 3-Chloro-1-propene | FB | Ave | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ |
| Dimethylnaphthalene (total) | DCB | Ave | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ | +++++<br>+++++ | +++++ | +++++ | +++++ | +++++ |
| n-Heptane | FB | Ave | 0<br>0 | 0 | 0 | 0 | 0 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Dichlorodifluoromethane | FB | LinF | 2297<br>2162147 | 20202 | 76442 | 206321 | 878085 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chloromethane | FB | Ave | 6631<br>3437630 | 29971 | 108905 | 285534 | 1238409 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Vinyl chloride | FB | Ave | 4236<br>3044057 | 29603 | 118895 | 304909 | 1214429 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Bromomethane | FB | Ave | 3160<br>1403409 | 15171 | 52566 | 151579 | 568366 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chloroethane | FB | Ave | 2666<br>1607678 | 17681 | 67108 | 172021 | 633918 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Trichlorofluoromethane | FB | LinF | 4370<br>3614208 | 37059 | 148288 | 377678 | 1524218 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Pentane | FB | LinF | 497<br>460365 | 4323 | 17029 | 44717 | 182133 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Methyl-1,3-butadiene | FB | Ave | 5076<br>3591972 | 37053 | 133358 | 352691 | 1448056 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethyl ether | FB | Ave | 4337<br>2081708 | 23244 | 88470 | 211262 | 831388 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Acrolein | FB | LinF | 1147<br>80860 | 4367 | 8525 | 20538 | 37804 | 4.00<br>400 | 20.0 | 40.0 | 100 | 200 |
| 1,1-Dichloroethene | FB | Ave | 2924<br>2031845 | 17229 | 77511 | 198023 | 796880 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | FB | LinF | 2916<br>2434643 | 24600 | 88197 | 234873 | 949461 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Acetone | FB | Ave | 5202<br>238841 | 7913 | 11730 | 25691 | 96669 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Iodomethane | FB | Ave | 8383<br>3484875 | 36718 | 135909 | 354178 | 1417534 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Carbon disulfide | FB | Ave | 13390<br>8021043 | 81842 | 301379 | 793610 | 3258215 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropyl alcohol | FB | Ave | 173056<br>1311133 | 367441 | 640600 | 819598 | 1167378 | 1000<br>6000 | 2000 | 3000 | 4000 | 5000 |
| Acetonitrile | FB | Ave | 2434<br>1029226 | 13714 | 51719 | 112454 | 421400 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |
| Methyl acetate | FB | Ave | 1826<br>952029 | 10553 | 40077 | 96886 | 375578 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Methylene Chloride | FB | Ave | 4389<br>2406159 | 25158 | 107907 | 260597 | 995644 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Methyl-2-propanol | FB | Ave | 8296<br>4690667 | 48289 | 194688 | 461324 | 1898636 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |
| trans-1,2-Dichloroethene | FB | Ave | 4255<br>2648139 | 22895 | 101321 | 257619 | 1026728 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Acrylonitrile | FB | Ave | 3661<br>525582 | 21793 | 48675 | 122116 | 229914 | 2.00<br>200 | 10.0 | 20.0 | 50.0 | 100 |
| Methyl tert-butyl ether | FB | Ave | 13933<br>7503178 | 81855 | 314154 | 763376 | 3000427 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Hexane | FB | Ave | 2421<br>1682846 | 17777 | 64159 | 168442 | 679545 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1-Dichloroethane | FB | Ave | 7332<br>4481583 | 40134 | 180984 | 443565 | 1776012 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Vinyl acetate | FB | Ave | 11971<br>5736063 | 64506 | 238596 | 578716 | 2265135 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropyl ether | FB | Ave | 14174<br>7344765 | 80754 | 306285 | 747284 | 2995087 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Tert-butyl ethyl ether | FB | Ave | 14975<br>7639978 | 84103 | 319169 | 776600 | 3073852 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2,2-Dichloropropane | FB | Ave | 5257<br>3190993 | 29054 | 129232 | 321513 | 1283323 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| cis-1,2-Dichloroethene | FB | Ave | 4964<br>2964997 | 26678 | 119125 | 289702 | 1162176 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Butanone (MEK) | FB | Ave | 6038<br>376475 | 10509 | 15857 | 36079 | 136162 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| Ethyl acetate | FB | Ave | 1053<br>670152 | 6861 | 27881 | 67018 | 259255 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| Chlorobromomethane | FB | Ave | 2562<br>1564095 | 13667 | 62799 | 151028 | 606445 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Tetrahydrofuran | FB | LinF | 2904<br>854447 | 10599 | 37662 | 86441 | 330062 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Chloroform | FB | Ave | 7490<br>4551130 | 41366 | 186190 | 455875 | 1807123 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,1-Trichloroethane | FB | Ave | 4984<br>3717670 | 30941 | 143117 | 364097 | 1468641 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Cyclohexane | FB | LinF | 5150<br>4252054 | 42041 | 154457 | 415686 | 1686339 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Carbon tetrachloride | FB | LinF | 3833<br>3236793 | 24485 | 116721 | 302332 | 1252665 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1-Dichloropropene | FB | Ave | 4917<br>3582766 | 29214 | 135650 | 348747 | 1392084 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Benzene | CBZ | Ave | 23096<br>10021947 | 100386 | 419898 | 1021918 | 4016321 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichloroethane | FB | Ave | 6138<br>3420969 | 32814 | 145608 | 347341 | 1363608 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropyl acetate | FB | Ave | 25370<br>11759780 | 136801 | 526880 | 1269282 | 4854795 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| Tert-amyl methyl ether | FB | Ave | 13888<br>7668325 | 80828 | 312564 | 760349 | 3034122 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Trichloroethene | FB | Ave | 4293<br>2778727 | 23738 | 108246 | 271533 | 1088921 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butanol | FB | QuaF | 34466<br>343128 | 79506 | 141075 | 198059 | 283529 | 500<br>3000 | 1000 | 1500 | 2000 | 2500 |
| Ethyl acrylate | FB | Ave | 11262<br>6970931 | 73136 | 280828 | 710746 | 2779461 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Methylcyclohexane | FB | LinF | 5246<br>4327054 | 42670 | 159715 | 425752 | 1720478 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichloropropane | FB | Ave | 4477<br>2719491 | 24314 | 109586 | 269631 | 1063184 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Dibromomethane | FB | Ave | 2973<br>1914067 | 17283 | 78614 | 188072 | 745676 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,4-Dioxane | FB | Ave | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ |
| Methyl methacrylate | FB | Ave | 1356<br>867783 | 8751 | 34636 | 86668 | 335987 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Propyl acetate | FB | Ave | 16207<br>8087551 | 90509 | 357920 | 864664 | 3245261 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| Dichlorobromomethane | FB | Ave | 5699<br>3740556 | 31646 | 146678 | 361963 | 1461973 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Chloroethyl vinyl ether | FB | Ave | 3621<br>2054807 | 21973 | 82235 | 203897 | 805357 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Epichlorohydrin | CBZ | Ave | 9904<br>5757366 | 57506 | 239947 | 576743 | 2255021 | 20.0<br>10000 | 100 | 400 | 1000 | 4000 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| cis-1,3-Dichloropropene | CBZ | Ave | 6887<br>4481655 | 37177 | 176167 | 432145 | 1745326 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Methyl-2-pentanone (MIBK) | CBZ | Ave | 48088<br>2901530 | 80358 | 127269 | 289366 | 1138342 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| Toluene | CBZ | Ave | 22305<br>10792305 | 105036 | 456150 | 1114623 | 4365052 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| trans-1,3-Dichloropropene | CBZ | Ave | 6516<br>4296398 | 35158 | 165409 | 406875 | 1661427 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2-Trichloroethane | CBZ | Ave | 3735<br>2230606 | 20182 | 91313 | 217774 | 867502 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Tetrachloroethene | CBZ | Ave | 4304<br>3040622 | 24833 | 116315 | 292666 | 1190102 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3-Dichloropropane | CBZ | Ave | 7550<br>4483411 | 40390 | 184934 | 443556 | 1749329 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Hexanone | CBZ | Ave | 34798<br>2144946 | 58004 | 90187 | 209962 | 832564 | 10.0<br>500 | 15.0 | 20.0 | 50.0 | 200 |
| Chlorodibromomethane | CBZ | Ave | 4370<br>3174619 | 24260 | 117358 | 293735 | 1221234 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butyl acetate | CBZ | Ave | 2813<br>1821322 | 17160 | 70703 | 175508 | 702331 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| Ethylene Dibromide | CBZ | Ave | 4901<br>2970276 | 25891 | 120282 | 290014 | 1163169 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Chlorobenzene | CBZ | Ave | 12598<br>7212376 | 65648 | 294458 | 715612 | 2885019 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,1,2-Tetrachloroethane | CBZ | Ave | 3888<br>2733835 | 20414 | 100650 | 245925 | 1038688 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Ethylbenzene | CBZ | Ave | 6035<br>3951814 | 32079 | 152308 | 377600 | 1540137 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| m-Xylene & p-Xylene | CBZ | Ave | 14975<br>9027023 | 79392 | 378194 | 940554 | 3777367 | 2.00<br>1000 | 10.0 | 40.0 | 100 | 400 |
| o-Xylene | CBZ | Ave | 7242<br>4631838 | 38336 | 180014 | 448326 | 1820334 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Styrene | CBZ | Ave | 13076<br>7814426 | 67375 | 326517 | 801336 | 3268606 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butyl acrylate | CBZ | Ave | 3547<br>2417083 | 21864 | 89662 | 225005 | 943833 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Bromoform | CBZ | LinF | 2870<br>2413568 | 16471 | 81766 | 206841 | 902061 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Amyl acetate (mixed isomers) | DCB | Ave | 2397<br>1610851 | 15299 | 61701 | 152230 | 630930 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Isopropylbenzene | CBZ | Ave | 16148<br>10376092 | 91846 | 439077 | 1097703 | 4422991 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Camphene | CBZ | Ave | 5531<br>4300894 | 39484 | 150414 | 403240 | 1680580 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Bromobenzene | DCB | Ave | 5569<br>3394179 | 28757 | 133105 | 322861 | 1330930 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,1,2,2-Tetrachloroethane | DCB | Ave | 5922<br>3796224 | 30930 | 147862 | 355973 | 1450822 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,3-Trichloropropane | DCB | Ave | 1783<br>1148908 | 9415 | 45118 | 108791 | 436664 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| trans-1,4-Dichloro-2-butene | DCB | Ave | 1662<br>1103178 | 10431 | 43441 | 107120 | 431019 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| N-Propylbenzene | DCB | Ave | 20705<br>12132666 | 120128 | 566565 | 1393954 | 5693980 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Chlorotoluene | DCB | Ave | 13300<br>8156842 | 69344 | 326927 | 798605 | 3310288 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Chlorotoluene | DCB | Ave | 15864<br>9068193 | 81190 | 384285 | 944774 | 3898689 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3,5-Trimethylbenzene | DCB | Ave | 14753<br>9015003 | 76641 | 375257 | 938203 | 3880021 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Butyl Methacrylate | DCB | Ave | 5058<br>3756223 | 32479 | 135461 | 341779 | 1446163 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| tert-Butylbenzene | DCB | Ave | 11557<br>8258012 | 65691 | 314005 | 779469 | 3286933 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,4-Trimethylbenzene | DCB | Ave | 15485<br>9369606 | 80325 | 385085 | 952282 | 3899622 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Octanone | DCB | Ave | 5072<br>4059075 | 34449 | 144590 | 381882 | 1611088 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| sec-Butylbenzene | DCB | Ave | 16394<br>10785597 | 98982 | 469624 | 1169242 | 4863255 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 2-Octanol | DCB | QuaF | 1254<br>1699365 | 8177 | 39129 | 122528 | 634584 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,3-Dichlorobenzene | DCB | Ave | 10352<br>5886211 | 49246 | 235058 | 571521 | 2334833 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 4-Isopropyltoluene | DCB | Ave | 14473<br>9470061 | 80846 | 395322 | 993894 | 4127036 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,4-Dichlorobenzene | DCB | Ave | 10705<br>5983583 | 52397 | 242912 | 583082 | 2403738 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Benzyl chloride | DCB | Ave | 8429<br>6025437 | 51613 | 225209 | 575758 | 2430638 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichlorobenzene | DCB | Ave | 9611<br>5523015 | 46891 | 221509 | 541775 | 2264160 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| n-Butylbenzene | DCB | Ave | 12362<br>8947810 | 75847 | 363679 | 922327 | 3843842 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17465

SDG No.:

Instrument ID: VOAMS2 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2009 07:48 Calibration End Date: 09/19/2009 10:27 Calibration ID: 3160

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,2-Dibromo-3-Chloropropane | DCB | Ave | 921<br>625086 | 4444 | 23271 | 58287 | 243318 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Camphor | DCB | Ave | 2722<br>1194177 | 13009 | 49036 | 118225 | 491122 | 5.00<br>2500 | 25.0 | 100 | 250 | 1000 |
| 1,2,4-Trichlorobenzene | DCB | Ave | 5927<br>3286344 | 28081 | 134340 | 348008 | 1345994 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Hexachlorobutadiene | DCB | Ave | 1800<br>1482511 | 10787 | 47508 | 132214 | 593662 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| Naphthalene | DCB | Ave | 14345<br>7643893 | 67117 | 338642 | 877529 | 3402033 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2,3-Trichlorobenzene | DCB | Ave | 5167<br>2537077 | 23146 | 109187 | 292079 | 1118050 | 1.00<br>500 | 5.00 | 20.0 | 50.0 | 200 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Ave | 246027<br>259477 | 241898 | 251006 | 252176 | 243628 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| Toluene-d8 (Surr) | CBZ | Ave | 746110<br>814125 | 742247 | 779911 | 782384 | 770249 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 4-Bromofluorobenzene | DCB | Ave | 299500<br>345092 | 293714 | 312007 | 320843 | 321161 | 50.0<br>50.0 | 50.0 | 50.0 | 50.0 | 50.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25722.d
Report Date: 21-Sep-2009 13:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25722.d
Lab Smp Id: IC-VM8LCAL1
Inj Date : 19-SEP-2009 07:48
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM8LCAL1
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 07:48 Cal File: b25722.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 2297 | 1.00000 | 0.57(a) |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 6631 | 1.00000 | 1.1 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 4236 | 1.00000 | 0.77(a) |
| 6 Bromomethane | 94 | 1.340 | 1.331 | (0.294) | 3160 | 1.00000 | 1.1 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 2666 | 1.00000 | 0.85(a) |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 4370 | 1.00000 | 0.64(a) |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 497 | 1.00000 | 0.58(a) |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 5076 | 1.00000 | 0.78(a) |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 4337 | 1.00000 | 1.0 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 1147 | 4.00000 | 6.1 |
| 15 1,1-Dichloroethene | 96 | 1.949 | 1.948 | (0.428) | 2924 | 1.00000 | 0.82(a) |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 2916 | 1.00000 | 0.64(a) |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 5202 | 10.0000 | 10 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 8383 | 1.00000 | 1.2 |
| 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.461) | 13390 | 1.00000 | 0.89(a) |
| 19 Isopropanol | 45 | 2.146 | 2.154 | (0.472) | 173056 | 1000.00 | 880(a) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25722.d
Report Date: 21-Sep-2009 13:26

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 2434 | 20.0000 | 21 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 1826 | 1.00000 | 0.97(a) |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 4389 | 1.00000 | 0.91(a) |
| | 24 TBA | 59 | 2.467 | 2.467 | (0.542) | 8296 | 20.0000 | 18(a) |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 4255 | 1.00000 | 0.90(a) |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 3661 | 2.00000 | 1.6(a) |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 13933 | 1.00000 | 0.95(a) |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 2421 | 1.00000 | 0.78(a) |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 7332 | 1.00000 | 0.89(a) |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.952 | (0.651) | 11971 | 1.00000 | 1.0 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 14174 | 1.00000 | 0.98(a) |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 14975 | 1.00000 | 0.99(a) |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.389 | (0.747) | 5257 | 1.00000 | 0.89(a) |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 4964 | 1.00000 | 0.91(a) |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 6038 | 10.0000 | 8.8(a) |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 1053 | 2.00000 | 1.7(a) |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 2562 | 1.00000 | 0.90(a) |
| | 41 Tetrahydrofuran | 42 | 3.669 | 3.668 | (0.806) | 2904 | 1.00000 | 1.8 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 7490 | 1.00000 | 0.89(a) |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 4984 | 1.00000 | 0.77(a) |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 5150 | 1.00000 | 0.65(a) |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 3833 | 1.00000 | 0.64(a) |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 4917 | 1.00000 | 0.79(a) |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 246027 | 50.0000 | 51 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 23096 | 1.00000 | 1.2 |
| | 49 1,2-Dichloroethane | 62 | 4.278 | 4.277 | (0.940) | 6138 | 1.00000 | 0.94(a) |
| | 50 t-Amyl-methyl-ether | 73 | 4.385 | 4.384 | (0.964) | 13888 | 1.00000 | 0.94(a) |
| | 61 Isopropyl Acetate | 43 | 4.385 | 4.384 | (0.964) | 25370 | 2.00000 | 2.1 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 995394 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 4293 | 1.00000 | 0.86(a) |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 34466 | 500.000 | 420(a) |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 5246 | 1.00000 | 0.65(a) |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 11262 | 1.00000 | 0.85(a) |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.147) | 4477 | 1.00000 | 0.90(a) |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 2973 | 1.00000 | 0.85(a) |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.405 | (1.190) | 1356 | 1.00000 | 0.84(a) |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 16207 | 2.00000 | 2.0 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 5699 | 1.00000 | 0.86(a) |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 3621 | 1.00000 | 0.92(a) |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.039 | (0.750) | 9904 | 20.0000 | 18 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 6887 | 1.00000 | 0.87(a) |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 48088 | 10.0000 | 8.9(a) |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 746110 | 50.0000 | 50 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 22305 | 1.00000 | 1.0 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 6516 | 1.00000 | 0.87(a) |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 3735 | 1.00000 | 0.92(a) |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 4304 | 1.00000 | 0.82(a) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25722.d
Report Date: 21-Sep-2009 13:26

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 72 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 7550 | 1.00000 | 0.92(a) |
| | 73 2-Hexanone | 43 | 7.397 | 7.397 | (0.918) | 34798 | 10.0000 | 8.9(a) |
| | 74 Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 4370 | 1.00000 | 0.82(a) |
| | 76 Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 2813 | 2.00000 | 1.7(a) |
| | 77 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 4901 | 1.00000 | 0.91(a) |
| * | 78 Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 782460 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 12598 | 1.00000 | 0.94(a) |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 3888 | 1.00000 | 0.85(a) |
| | 81 Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 6035 | 1.00000 | 0.88(a) |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 14975 | 2.00000 | 1.8 |
| | 84 o-Xylene | 106 | 8.664 | 8.656 | (1.076) | 7242 | 1.00000 | 0.89(a) |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.078) | 13076 | 1.00000 | 0.90(a) |
| | 83 Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 3547 | 1.00000 | 0.84(a) |
| | 86 Bromoform | 173 | 8.820 | 8.820 | (1.095) | 2870 | 1.00000 | 0.66(a) |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 2397 | 1.00000 | 0.87(a) |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 16148 | 1.00000 | 0.83(a) |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.912) | 299500 | 50.0000 | 51 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 5531 | 1.00000 | 0.75(a) |
| | 91 Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 5569 | 1.00000 | 0.96(a) |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 5922 | 1.00000 | 0.93(a) |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 1783 | 1.00000 | 0.92(a) |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 1662 | 1.00000 | 0.87(a) |
| | 95 n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 20705 | 1.00000 | 0.88(a) |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 13300 | 1.00000 | 0.94(a) |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 14753 | 1.00000 | 0.91(a) |
| | 98 4-Chlorotoluene | 91 | 9.454 | 9.446 | (0.947) | 15864 | 1.00000 | 0.96(a) |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 5058 | 1.00000 | 0.82(a) |
| | 100 tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 11557 | 1.00000 | 0.85(a) |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 15485 | 1.00000 | 0.93(a) |
| | 102 2-Octanone | 43 | 9.833 | 9.833 | (0.985) | 5072 | 1.00000 | 0.77(a) |
| | 103 sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 16394 | 1.00000 | 0.83(a) |
| | 104 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 1254 | 1.00000 | 0.47(a) |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 10352 | 1.00000 | 1.0 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 14473 | 1.00000 | 0.86(a) |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 376948 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 10705 | 1.00000 | 1.0 |
| | 110 Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 8429 | 1.00000 | 0.84(a) |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 12362 | 1.00000 | 0.80(a) |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.029) | 9611 | 1.00000 | 0.99(a) |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 921 | 1.00000 | 0.91(a) |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 2722 | 5.00000 | 5.9 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.380 | 11.371 | (1.140) | 5927 | 1.00000 | 1.00 |
| | 115 Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 1800 | 1.00000 | 0.79(a) |
| | 116 Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 14345 | 1.00000 | 0.98(a) |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 5167 | 1.00000 | 1.0 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 9219 | 2.00000 | 1.8 |
| M | 121 Xylene (Total) | 100 | | | | 22217 | 3.00000 | 2.7(a) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25722.d
Report Date: 21-Sep-2009 13:26

QC Flag Legend

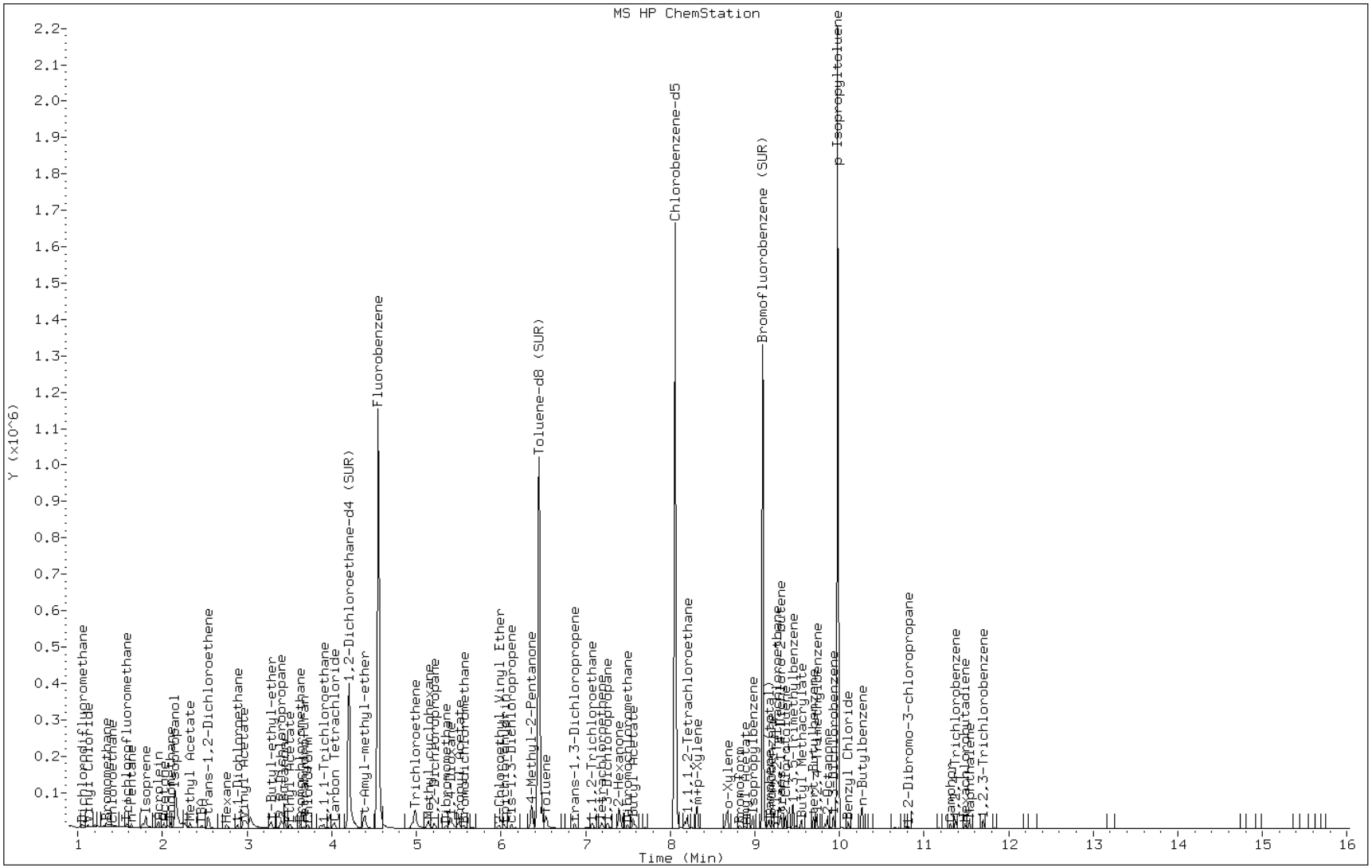
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: b25722.d

Date: 19-SEP-2009 07:48

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM8LCAL1 Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25724.d
Report Date: 21-Sep-2009 13:29

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25724.d
Lab Smp Id: IC-VM8LCAL2
Inj Date : 19-SEP-2009 08:41
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM8LCAL2
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 08:41 Cal File: b25724.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 20202 | 5.00000 | 4.9 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 29971 | 5.00000 | 5.0 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 29603 | 5.00000 | 5.3 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 15171 | 5.00000 | 5.3 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 17681 | 5.00000 | 5.6 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 37059 | 5.00000 | 5.3 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 4323 | 5.00000 | 4.9(a) |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 37053 | 5.00000 | 5.6 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 23244 | 5.00000 | 5.4 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 4367 | 20.0000 | 23 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 17229 | 5.00000 | 4.7 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 24600 | 5.00000 | 5.3 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 7913 | 15.0000 | 16 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 36718 | 5.00000 | 5.1 |
| 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 81842 | 5.00000 | 5.4 |
| 19 Isopropanol | 45 | 2.154 | 2.154 | (0.474) | 367441 | 2000.00 | 1800 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25724.d
Report Date: 21-Sep-2009 13:29

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 13714 | 100.000 | 120 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 10553 | 5.00000 | 5.5 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 25158 | 5.00000 | 5.1 |
| | 24 TBA | 59 | 2.459 | 2.467 | (0.540) | 48289 | 100.000 | 100 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 22895 | 5.00000 | 4.7 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 21793 | 10.0000 | 9.6 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 81855 | 5.00000 | 5.5 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 17777 | 5.00000 | 5.6 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 40134 | 5.00000 | 4.8 |
| | 31 Vinyl Acetate | 43 | 2.952 | 2.952 | (0.649) | 64506 | 5.00000 | 5.5 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 80754 | 5.00000 | 5.4 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 84103 | 5.00000 | 5.5 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.389 | (0.747) | 29054 | 5.00000 | 4.8 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 26678 | 5.00000 | 4.8 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 10509 | 15.0000 | 15 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 6861 | 10.0000 | 11 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 13667 | 5.00000 | 4.7 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 10599 | 5.00000 | 6.5 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 41366 | 5.00000 | 4.8 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 30941 | 5.00000 | 4.7 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 42041 | 5.00000 | 5.2 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 24485 | 5.00000 | 4.0 |
| | 46 1,1-Dichloropropene | 75 | 4.030 | 4.031 | (0.886) | 29214 | 5.00000 | 4.6 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 241898 | 50.0000 | 49 |
| | 48 Benzene | 78 | 4.244 | 4.245 | (0.527) | 100386 | 5.00000 | 5.0 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 32814 | 5.00000 | 4.9 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 80828 | 5.00000 | 5.4 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 136801 | 10.0000 | 11 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1013440 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 23738 | 5.00000 | 4.7 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 79506 | 1000.00 | 920 |
| | 56 Methyl cyclohexane | 83 | 5.141 | 5.142 | (1.130) | 42670 | 5.00000 | 5.2 |
| | 55 Ethyl Acrylate | 55 | 5.141 | 5.142 | (1.130) | 73136 | 5.00000 | 5.4 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.147) | 24314 | 5.00000 | 4.8 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 17283 | 5.00000 | 4.9 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 8751 | 5.00000 | 5.4 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 90509 | 10.0000 | 11 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 31646 | 5.00000 | 4.7 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 21973 | 5.00000 | 5.5 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.039 | (0.750) | 57506 | 100.000 | 100 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 37177 | 5.00000 | 4.6 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.359 | 6.360 | (0.790) | 80358 | 15.0000 | 15 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 742247 | 50.0000 | 49 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 105036 | 5.00000 | 4.9 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 35158 | 5.00000 | 4.6 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 20182 | 5.00000 | 4.9 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 24833 | 5.00000 | 4.6 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25724.d
Report Date: 21-Sep-2009 13:29

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT ( ug/L) | ON-COL ( ug/L) |
| | 72 | 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 40390 | 5.00000 | 4.8 |
| | 73 | 2-Hexanone | 43 | 7.396 | 7.397 | (0.918) | 58004 | 15.0000 | 14 |
| | 74 | Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 24260 | 5.00000 | 4.5 |
| | 76 | Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 17160 | 10.0000 | 10 |
| | 77 | 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 25891 | 5.00000 | 4.7 |
| * | 78 | Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 794716 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 8.079 | 8.080 | (1.003) | 65648 | 5.00000 | 4.8 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 20414 | 5.00000 | 4.4 |
| | 81 | Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 32079 | 5.00000 | 4.6 |
| | 82 | m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 79392 | 10.0000 | 9.3 |
| | 84 | o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 38336 | 5.00000 | 4.6 |
| | 85 | Styrene | 104 | 8.680 | 8.680 | (1.078) | 67375 | 5.00000 | 4.6 |
| | 83 | Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 21864 | 5.00000 | 5.1 |
| | 86 | Bromoform | 173 | 8.820 | 8.820 | (1.095) | 16471 | 5.00000 | 3.7 |
| | 87 | Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 15299 | 5.00000 | 5.4 |
| | 88 | Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 91846 | 5.00000 | 4.7 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.912) | 293714 | 50.0000 | 49 |
| | 90 | Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 39484 | 5.00000 | 5.3 |
| | 91 | Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 28757 | 5.00000 | 4.8 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 30930 | 5.00000 | 4.7 |
| | 93 | 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 9415 | 5.00000 | 4.7 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 10431 | 5.00000 | 5.3 |
| | 95 | n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 120128 | 5.00000 | 4.9 |
| | 96 | 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 69344 | 5.00000 | 4.7 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 76641 | 5.00000 | 4.6 |
| | 98 | 4-Chlorotoluene | 91 | 9.446 | 9.446 | (0.946) | 81190 | 5.00000 | 4.7 |
| | 99 | Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 32479 | 5.00000 | 5.1 |
| | 100 | tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 65691 | 5.00000 | 4.7 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 80325 | 5.00000 | 4.7 |
| | 102 | 2-Octanone | 43 | 9.832 | 9.833 | (0.985) | 34449 | 5.00000 | 5.1 |
| | 103 | sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 98982 | 5.00000 | 4.8 |
| | 104 | 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 8177 | 5.00000 | 3.0(a) |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 49246 | 5.00000 | 4.6 |
| | 107 | p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 80846 | 5.00000 | 4.6 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 388921 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 52397 | 5.00000 | 4.8 |
| | 110 | Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 51613 | 5.00000 | 5.0 |
| | 106 | n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 75847 | 5.00000 | 4.7 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.029) | 46891 | 5.00000 | 4.7 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 4444 | 5.00000 | 4.2 |
| | 113 | Camphor | 95 | 11.314 | 11.314 | (1.134) | 13009 | 25.0000 | 27 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 28081 | 5.00000 | 4.6 |
| | 115 | Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 10787 | 5.00000 | 4.6 |
| | 116 | Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 67117 | 5.00000 | 4.5 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 23146 | 5.00000 | 4.6 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 49573 | 10.0000 | 9.6 |
| M | 121 | Xylene (Total) | 100 | | | | 117728 | 15.0000 | 14 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25724.d
Report Date: 21-Sep-2009 13:29

QC Flag Legend

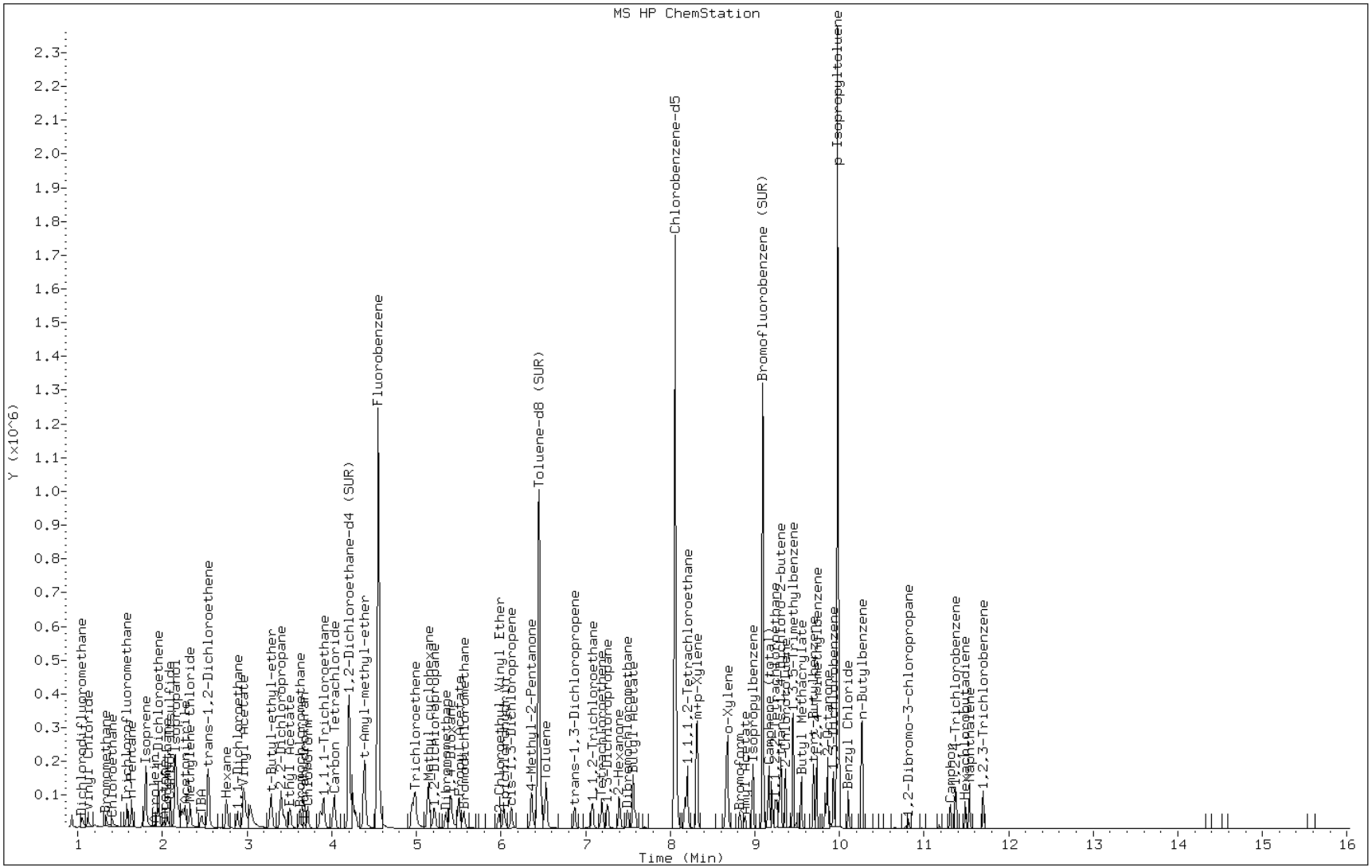
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: b25724.d

Date: 19-SEP-2009 08:41

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM8LCAL2 Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25725.d
Report Date: 21-Sep-2009 13:38

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25725.d
Lab Smp Id: ICIS-VM8LCAL3
Inj Date : 19-SEP-2009 09:08
Operator : Inst ID: VOAMS2.i
Smp Info : ICIS-VM8LCAL3
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 09:08 Cal File: b25725.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 76442 | 20.0000 | 18 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 108905 | 20.0000 | 18 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 118895 | 20.0000 | 21 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 52566 | 20.0000 | 18 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 67108 | 20.0000 | 21 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 148288 | 20.0000 | 21 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 17029 | 20.0000 | 19 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 133358 | 20.0000 | 20 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 88470 | 20.0000 | 21 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 8525 | 40.0000 | 44 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 77511 | 20.0000 | 21 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 88197 | 20.0000 | 19 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 11730 | 20.0000 | 23 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 135909 | 20.0000 | 19 |
| 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 301379 | 20.0000 | 20 |
| 19 Isopropanol | 45 | 2.154 | 2.154 | (0.474) | 640600 | 3000.00 | 3200 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25725.d
Report Date: 21-Sep-2009 13:38

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 51719 | 400.000 | 440 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 40077 | 20.0000 | 21 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 107907 | 20.0000 | 22 |
| | 24 TBA | 59 | 2.467 | 2.467 | (0.542) | 194688 | 400.000 | 420 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 101321 | 20.0000 | 21 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 48675 | 20.0000 | 21 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 314154 | 20.0000 | 21 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 64159 | 20.0000 | 20 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 180984 | 20.0000 | 22 |
| | 31 Vinyl Acetate | 43 | 2.952 | 2.952 | (0.649) | 238596 | 20.0000 | 20 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 306285 | 20.0000 | 21 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 319169 | 20.0000 | 21 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 129232 | 20.0000 | 21 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 119125 | 20.0000 | 21 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 15857 | 20.0000 | 23 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 27881 | 40.0000 | 44 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 62799 | 20.0000 | 22 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 37662 | 20.0000 | 23 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 186190 | 20.0000 | 22 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 143117 | 20.0000 | 22 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 154457 | 20.0000 | 19 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 116721 | 20.0000 | 19 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 135650 | 20.0000 | 21 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 251006 | 50.0000 | 51 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 419898 | 20.0000 | 20 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 145608 | 20.0000 | 22 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 312564 | 20.0000 | 21 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 526880 | 40.0000 | 42 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1017492 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 108246 | 20.0000 | 21 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 141075 | 1500.00 | 1500 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 159715 | 20.0000 | 19 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 280828 | 20.0000 | 21 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.147) | 109586 | 20.0000 | 22 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 78614 | 20.0000 | 22 |
| | 59 Methyl Methacrylate | 100 | 5.405 | 5.405 | (1.188) | 34636 | 20.0000 | 21 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 357920 | 40.0000 | 43 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 146678 | 20.0000 | 22 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 82235 | 20.0000 | 20 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.039 | (0.750) | 239947 | 400.000 | 430 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 176167 | 20.0000 | 22 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 127269 | 20.0000 | 23 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 779911 | 50.0000 | 51 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 456150 | 20.0000 | 21 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 165409 | 20.0000 | 22 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 91313 | 20.0000 | 22 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 116315 | 20.0000 | 22 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25725.d
Report Date: 21-Sep-2009 13:38

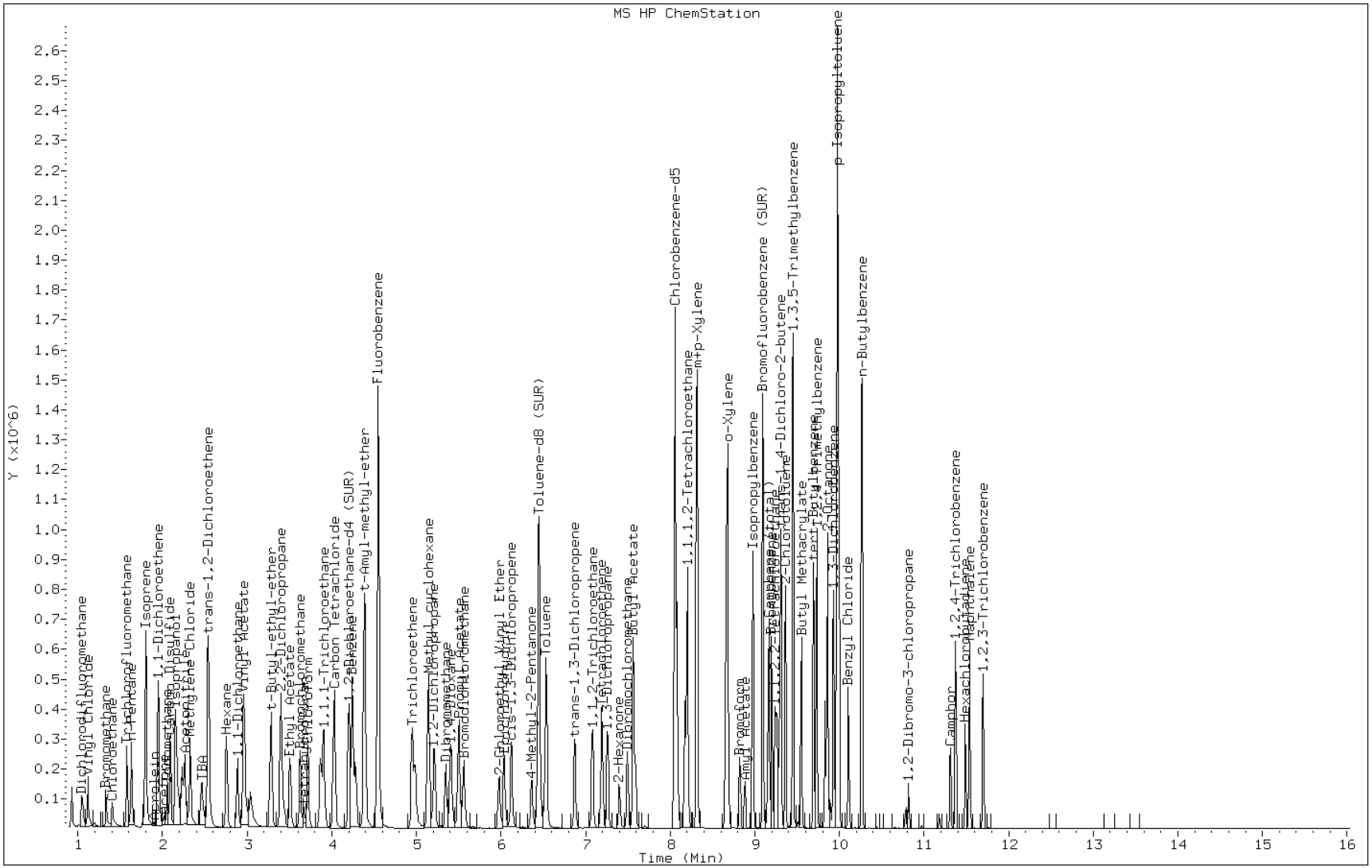
| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT ( ug/L) | ON-COL ( ug/L) |
| | 72 | 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 184934 | 20.0000 | 22 |
| | 73 | 2-Hexanone | 43 | 7.397 | 7.397 | (0.918) | 90187 | 20.0000 | 22 |
| | 74 | Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 117358 | 20.0000 | 22 |
| | 76 | Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 70703 | 40.0000 | 42 |
| | 77 | 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 120282 | 20.0000 | 22 |
| * | 78 | Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 800265 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 294458 | 20.0000 | 22 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 100650 | 20.0000 | 22 |
| | 81 | Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 152308 | 20.0000 | 22 |
| | 82 | m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 378194 | 40.0000 | 44 |
| | 84 | o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 180014 | 20.0000 | 22 |
| | 85 | Styrene | 104 | 8.680 | 8.680 | (1.078) | 326517 | 20.0000 | 22 |
| | 83 | Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 89662 | 20.0000 | 21 |
| | 86 | Bromoform | 173 | 8.820 | 8.820 | (1.095) | 81766 | 20.0000 | 18 |
| | 87 | Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 61701 | 20.0000 | 21 |
| | 88 | Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 439077 | 20.0000 | 22 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 9.092 | 9.092 | (0.911) | 312007 | 50.0000 | 50 |
| | 90 | Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 150414 | 20.0000 | 20 |
| | 91 | Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 133105 | 20.0000 | 22 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 147862 | 20.0000 | 22 |
| | 93 | 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 45118 | 20.0000 | 22 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 43441 | 20.0000 | 21 |
| | 95 | n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 566565 | 20.0000 | 22 |
| | 96 | 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 326927 | 20.0000 | 22 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 375257 | 20.0000 | 22 |
| | 98 | 4-Chlorotoluene | 91 | 9.446 | 9.446 | (0.946) | 384285 | 20.0000 | 22 |
| | 99 | Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 135461 | 20.0000 | 21 |
| | 100 | tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 314005 | 20.0000 | 22 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 385085 | 20.0000 | 22 |
| | 102 | 2-Octanone | 43 | 9.833 | 9.833 | (0.985) | 144590 | 20.0000 | 21 |
| | 103 | sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 469624 | 20.0000 | 22 |
| | 104 | 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 39129 | 20.0000 | 14 |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 235058 | 20.0000 | 22 |
| | 107 | p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 395322 | 20.0000 | 22 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 399772 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 242912 | 20.0000 | 22 |
| | 110 | Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 225209 | 20.0000 | 21 |
| | 106 | n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 363679 | 20.0000 | 22 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.260 | 10.260 | (1.028) | 221509 | 20.0000 | 21 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 23271 | 20.0000 | 22 |
| | 113 | Camphor | 95 | 11.314 | 11.314 | (1.134) | 49036 | 100.000 | 100 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 134340 | 20.0000 | 21 |
| | 115 | Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 47508 | 20.0000 | 20 |
| | 116 | Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 338642 | 20.0000 | 22 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 109187 | 20.0000 | 21 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 220446 | 40.0000 | 42 |
| M | 121 | Xylene (Total) | 100 | | | | 558208 | 60.0000 | 65 |

Data File: b25725.d

Date: 19-SEP-2009 09:08

Client ID: Instrument: VOAMS2.i

Sample Info: ICIS-VM8LCAL3 Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25726.d
Report Date: 21-Sep-2009 13:44

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25726.d
Lab Smp Id: IC-VM8LCAL4
Inj Date : 19-SEP-2009 09:34
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM8LCAL4
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 09:34 Cal File: b25726.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 206321 | 50.0000 | 48 |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 285534 | 50.0000 | 46 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 304909 | 50.0000 | 52 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 151579 | 50.0000 | 51 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 172021 | 50.0000 | 52 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 377678 | 50.0000 | 52 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 44717 | 50.0000 | 49 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 352691 | 50.0000 | 51 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 211262 | 50.0000 | 48 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 20538 | 100.000 | 100 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 198023 | 50.0000 | 52 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 234873 | 50.0000 | 49 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 25691 | 50.0000 | 49 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.452) | 354178 | 50.0000 | 48 |
| 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 793610 | 50.0000 | 50 |
| 19 Isopropanol | 45 | 2.154 | 2.154 | (0.474) | 819598 | 4000.00 | 3900 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25726.d
Report Date: 21-Sep-2009 13:44

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 112454 | 1000.00 | 930 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 96886 | 50.0000 | 49 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 260597 | 50.0000 | 52 |
| | 24 TBA | 59 | 2.459 | 2.467 | (0.540) | 461324 | 1000.00 | 980 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 257619 | 50.0000 | 52 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 122116 | 50.0000 | 52 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 763376 | 50.0000 | 49 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 168442 | 50.0000 | 52 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 443565 | 50.0000 | 51 |
| | 31 Vinyl Acetate | 43 | 2.952 | 2.952 | (0.649) | 578716 | 50.0000 | 48 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 747284 | 50.0000 | 49 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 776600 | 50.0000 | 49 |
| | 37 2,2-Dichloropropane | 77 | 3.389 | 3.389 | (0.745) | 321513 | 50.0000 | 52 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 289702 | 50.0000 | 51 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 36079 | 50.0000 | 50 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 67018 | 100.000 | 100 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 151028 | 50.0000 | 51 |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.806) | 86441 | 50.0000 | 52 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 455875 | 50.0000 | 51 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 364097 | 50.0000 | 53 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 415686 | 50.0000 | 50 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 302332 | 50.0000 | 48 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 348747 | 50.0000 | 53 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.924) | 252176 | 50.0000 | 50 |
| | 48 Benzene | 78 | 4.244 | 4.245 | (0.527) | 1021918 | 50.0000 | 48 |
| | 49 1,2-Dichloroethane | 62 | 4.277 | 4.277 | (0.940) | 347341 | 50.0000 | 50 |
| | 50 t-Amyl-methyl-ether | 73 | 4.384 | 4.384 | (0.964) | 760349 | 50.0000 | 49 |
| | 61 Isopropyl Acetate | 43 | 4.384 | 4.384 | (0.964) | 1269282 | 100.000 | 98 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1048482 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 271533 | 50.0000 | 52 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 198059 | 2000.00 | 2000 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 425752 | 50.0000 | 50 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 710746 | 50.0000 | 51 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.147) | 269631 | 50.0000 | 51 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 188072 | 50.0000 | 51 |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.405 | (1.190) | 86668 | 50.0000 | 51 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 864664 | 100.000 | 100 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.223) | 361963 | 50.0000 | 52 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 203897 | 50.0000 | 49 |
| | 63 Epichlorohydrin | 57 | 6.039 | 6.039 | (0.750) | 576743 | 1000.00 | 1000 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.121 | 6.121 | (0.760) | 432145 | 50.0000 | 52 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.360 | 6.360 | (0.790) | 289366 | 50.0000 | 51 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 782384 | 50.0000 | 50 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 1114623 | 50.0000 | 50 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.870 | 6.870 | (0.853) | 406875 | 50.0000 | 52 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 217774 | 50.0000 | 51 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 292666 | 50.0000 | 53 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25726.d
Report Date: 21-Sep-2009 13:44

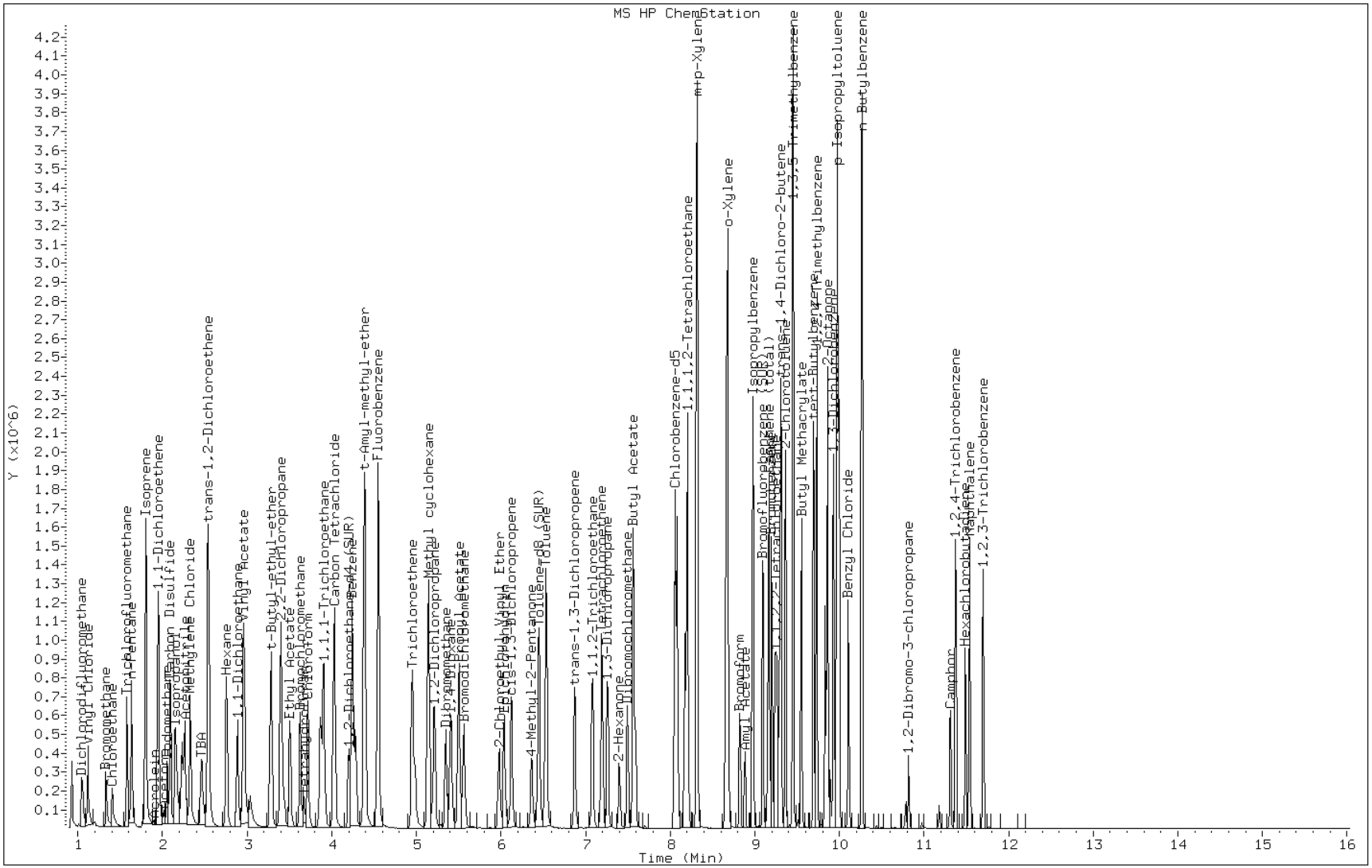
| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT ( ug/L) | ON-COL ( ug/L) |
| | 72 | 1,3-Dichloropropane | 76 | 7.257 | 7.257 | (0.901) | 443556 | 50.0000 | 51 |
| | 73 | 2-Hexanone | 43 | 7.396 | 7.397 | (0.918) | 209962 | 50.0000 | 51 |
| | 74 | Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 293735 | 50.0000 | 52 |
| | 76 | Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 175508 | 100.000 | 100 |
| | 77 | 1,2-Dibromoethane | 107 | 7.586 | 7.586 | (0.942) | 290014 | 50.0000 | 51 |
| * | 78 | Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 826145 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 8.080 | 8.080 | (1.003) | 715612 | 50.0000 | 51 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 245925 | 50.0000 | 51 |
| | 81 | Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 377600 | 50.0000 | 52 |
| | 82 | m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 940554 | 100.000 | 100 |
| | 84 | o-Xylene | 106 | 8.656 | 8.656 | (1.075) | 448326 | 50.0000 | 52 |
| | 85 | Styrene | 104 | 8.680 | 8.680 | (1.078) | 801336 | 50.0000 | 52 |
| | 83 | Butyl Acrylate | 73 | 8.680 | 8.680 | (1.078) | 225005 | 50.0000 | 50 |
| | 86 | Bromoform | 173 | 8.820 | 8.820 | (1.095) | 206841 | 50.0000 | 45 |
| | 87 | Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 152230 | 50.0000 | 50 |
| | 88 | Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 1097703 | 50.0000 | 54 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.912) | 320843 | 50.0000 | 50 |
| | 90 | Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 403240 | 50.0000 | 52 |
| | 91 | Bromobenzene | 156 | 9.199 | 9.199 | (0.922) | 322861 | 50.0000 | 51 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.240 | 9.240 | (0.926) | 355973 | 50.0000 | 51 |
| | 93 | 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 108791 | 50.0000 | 52 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 107120 | 50.0000 | 51 |
| | 95 | n-Propylbenzene | 91 | 9.306 | 9.306 | (0.932) | 1393954 | 50.0000 | 54 |
| | 96 | 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 798605 | 50.0000 | 52 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 938203 | 50.0000 | 53 |
| | 98 | 4-Chlorotoluene | 91 | 9.454 | 9.446 | (0.947) | 944774 | 50.0000 | 52 |
| | 99 | Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 341779 | 50.0000 | 51 |
| | 100 | tert-Butylbenzene | 119 | 9.693 | 9.693 | (0.971) | 779469 | 50.0000 | 52 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 952282 | 50.0000 | 52 |
| | 102 | 2-Octanone | 43 | 9.832 | 9.833 | (0.985) | 381882 | 50.0000 | 53 |
| | 103 | sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 1169242 | 50.0000 | 54 |
| | 104 | 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 122528 | 50.0000 | 42 |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 571521 | 50.0000 | 51 |
| | 107 | p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 993894 | 50.0000 | 54 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 411486 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 583082 | 50.0000 | 50 |
| | 110 | Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 575758 | 50.0000 | 52 |
| | 106 | n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 922327 | 50.0000 | 54 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.029) | 541775 | 50.0000 | 51 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 58287 | 50.0000 | 53 |
| | 113 | Camphor | 95 | 11.314 | 11.314 | (1.134) | 118225 | 250.000 | 230 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.371 | 11.371 | (1.139) | 348008 | 50.0000 | 54 |
| | 115 | Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 132214 | 50.0000 | 53 |
| | 116 | Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 877529 | 50.0000 | 55 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 292079 | 50.0000 | 55 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 547321 | 100.000 | 100 |
| M | 121 | Xylene (Total) | 100 | | | | 1388880 | 150.000 | 160 |

Data File: b25726.d

Date: 19-SEP-2009 09:34

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM8LCAL4 Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25727.d
Report Date: 21-Sep-2009 13:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25727.d
Lab Smp Id: IC-VM8LCAL5
Inj Date : 19-SEP-2009 10:01
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM8LCAL5
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 10:01 Cal File: b25727.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 878085 | 200.000 | 210(A) |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 1238409 | 200.000 | 200 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.246) | 1214429 | 200.000 | 210 |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.293) | 568366 | 200.000 | 190 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.309) | 633918 | 200.000 | 190 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.347) | 1524218 | 200.000 | 210 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.360) | 182133 | 200.000 | 200 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.396) | 1448056 | 200.000 | 210 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.396) | 831388 | 200.000 | 190 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 37804 | 200.000 | 190 |
| 15 1,1-Dichloroethene | 96 | 1.949 | 1.948 | (0.428) | 796880 | 200.000 | 210 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.430) | 949461 | 200.000 | 200 |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.443) | 96669 | 200.000 | 180 |
| 17 Iodomethane | 142 | 2.056 | 2.055 | (0.452) | 1417534 | 200.000 | 190 |
| 18 Carbon Disulfide | 76 | 2.088 | 2.088 | (0.459) | 3258215 | 200.000 | 210 |
| 19 Isopropanol | 45 | 2.154 | 2.154 | (0.474) | 1167378 | 5000.00 | 5600 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25727.d
Report Date: 21-Sep-2009 13:48

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.490) | 421400 | 4000.00 | 3500 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.497) | 375578 | 200.000 | 190 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.512) | 995644 | 200.000 | 200 |
| | 24 TBA | 59 | 2.467 | 2.467 | (0.542) | 1898636 | 4000.00 | 4000 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.557) | 1026728 | 200.000 | 210 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.559) | 229914 | 100.000 | 99 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.560) | 3000427 | 200.000 | 200 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.606) | 679545 | 200.000 | 210 |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.635) | 1776012 | 200.000 | 210 |
| | 31 Vinyl Acetate | 43 | 2.953 | 2.952 | (0.649) | 2265135 | 200.000 | 190 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.651) | 2995087 | 200.000 | 200 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.282 | 3.282 | (0.721) | 3073852 | 200.000 | 190 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.389 | (0.747) | 1283323 | 200.000 | 210 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.749) | 1162176 | 200.000 | 200 |
| | 38 2-Butanone | 72 | 3.438 | 3.438 | (0.756) | 136162 | 200.000 | 190 |
| | 39 Ethyl Acetate | 70 | 3.504 | 3.504 | (0.770) | 259255 | 400.000 | 400 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.797) | 606445 | 200.000 | 200 |
| | 41 Tetrahydrofuran | 42 | 3.669 | 3.668 | (0.806) | 330062 | 200.000 | 200 |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.817) | 1807123 | 200.000 | 200 |
| | 43 1,1,1-Trichloroethane | 97 | 3.866 | 3.866 | (0.850) | 1468641 | 200.000 | 220 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.859) | 1686339 | 200.000 | 200 |
| | 45 Carbon Tetrachloride | 117 | 4.022 | 4.022 | (0.884) | 1252665 | 200.000 | 200 |
| | 46 1,1-Dichloropropene | 75 | 4.031 | 4.031 | (0.886) | 1392084 | 200.000 | 210 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.204 | 4.203 | (0.924) | 243628 | 50.0000 | 48 |
| | 48 Benzene | 78 | 4.245 | 4.245 | (0.527) | 4016321 | 200.000 | 190 |
| | 49 1,2-Dichloroethane | 62 | 4.286 | 4.277 | (0.942) | 1363608 | 200.000 | 200 |
| | 50 t-Amyl-methyl-ether | 73 | 4.393 | 4.384 | (0.966) | 3034122 | 200.000 | 200 |
| | 61 Isopropyl Acetate | 43 | 4.393 | 4.384 | (0.966) | 4854795 | 400.000 | 380 |
| * | 52 Fluorobenzene | 96 | 4.549 | 4.549 | (1.000) | 1041774 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.089) | 1088921 | 200.000 | 210 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.096) | 283529 | 2500.00 | 2600 |
| | 56 Methyl cyclohexane | 83 | 5.142 | 5.142 | (1.130) | 1720478 | 200.000 | 200 |
| | 55 Ethyl Acrylate | 55 | 5.142 | 5.142 | (1.130) | 2779461 | 200.000 | 200 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.147) | 1063184 | 200.000 | 200 |
| | 58 Dibromomethane | 93 | 5.347 | 5.347 | (1.175) | 745676 | 200.000 | 200 |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.405 | (1.190) | 335987 | 200.000 | 200 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.504 | (1.210) | 3245261 | 400.000 | 380 |
| | 68 Bromodichloromethane | 83 | 5.561 | 5.561 | (1.222) | 1461973 | 200.000 | 210 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.981 | 5.981 | (1.315) | 805357 | 200.000 | 200 |
| | 63 Epichlorohydrin | 57 | 6.047 | 6.039 | (0.751) | 2255021 | 4000.00 | 3900 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.129 | 6.121 | (0.761) | 1745326 | 200.000 | 210 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.368 | 6.360 | (0.791) | 1138342 | 200.000 | 200 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.801) | 770249 | 50.0000 | 48 |
| | 66 Toluene | 91 | 6.532 | 6.532 | (0.811) | 4365052 | 200.000 | 190 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.878 | 6.870 | (0.854) | 1661427 | 200.000 | 210 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 867502 | 200.000 | 200 |
| | 71 Tetrachloroethene | 166 | 7.191 | 7.191 | (0.893) | 1190102 | 200.000 | 210 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25727.d
Report Date: 21-Sep-2009 13:48

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT ( ug/L) | ON-COL ( ug/L) |
| | 72 | 1,3-Dichloropropane | 76 | 7.265 | 7.257 | (0.902) | 1749329 | 200.000 | 200 |
| | 73 | 2-Hexanone | 43 | 7.405 | 7.397 | (0.919) | 832564 | 200.000 | 200 |
| | 74 | Dibromochloromethane | 129 | 7.495 | 7.495 | (0.931) | 1221234 | 200.000 | 210 |
| | 76 | Butyl Acetate | 73 | 7.561 | 7.561 | (0.939) | 702331 | 400.000 | 400 |
| | 77 | 1,2-Dibromoethane | 107 | 7.594 | 7.586 | (0.943) | 1163169 | 200.000 | 200 |
| * | 78 | Chlorobenzene-d5 | 117 | 8.055 | 8.055 | (1.000) | 839195 | 50.0000 | |
| | 79 | Chlorobenzene | 112 | 8.088 | 8.080 | (1.004) | 2885019 | 200.000 | 200 |
| | 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.015) | 1038688 | 200.000 | 210 |
| | 81 | Ethylbenzene | 106 | 8.203 | 8.203 | (1.018) | 1540137 | 200.000 | 210 |
| | 82 | m+p-Xylene | 106 | 8.318 | 8.318 | (1.033) | 3777367 | 400.000 | 420 |
| | 84 | o-Xylene | 106 | 8.664 | 8.656 | (1.076) | 1820334 | 200.000 | 210 |
| | 85 | Styrene | 104 | 8.680 | 8.680 | (1.078) | 3268606 | 200.000 | 210 |
| | 83 | Butyl Acrylate | 73 | 8.689 | 8.680 | (1.079) | 943833 | 200.000 | 210 |
| | 86 | Bromoform | 173 | 8.820 | 8.820 | (1.095) | 902061 | 200.000 | 190 |
| | 87 | Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 630930 | 200.000 | 200 |
| | 88 | Isopropylbenzene | 105 | 8.977 | 8.977 | (1.114) | 4422991 | 200.000 | 210 |
| $ | 89 | Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.912) | 321161 | 50.0000 | 48 |
| | 90 | Camphene (total) | 93 | 9.166 | 9.166 | (1.138) | 1680580 | 200.000 | 210 |
| | 91 | Bromobenzene | 156 | 9.207 | 9.199 | (0.922) | 1330930 | 200.000 | 200 |
| | 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.248 | 9.240 | (0.927) | 1450822 | 200.000 | 200 |
| | 93 | 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 436664 | 200.000 | 200 |
| | 94 | trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 431019 | 200.000 | 200 |
| | 95 | n-Propylbenzene | 91 | 9.314 | 9.306 | (0.933) | 5693980 | 200.000 | 210 |
| | 96 | 2-Chlorotoluene | 91 | 9.364 | 9.363 | (0.938) | 3310288 | 200.000 | 200 |
| | 97 | 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 3880021 | 200.000 | 210 |
| | 98 | 4-Chlorotoluene | 91 | 9.454 | 9.446 | (0.947) | 3898689 | 200.000 | 210 |
| | 99 | Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 1446163 | 200.000 | 210 |
| | 100 | tert-Butylbenzene | 119 | 9.701 | 9.693 | (0.972) | 3286933 | 200.000 | 210 |
| | 101 | 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 3899622 | 200.000 | 210 |
| | 102 | 2-Octanone | 43 | 9.833 | 9.833 | (0.985) | 1611088 | 200.000 | 220 |
| | 103 | sec-Butylbenzene | 105 | 9.857 | 9.857 | (0.988) | 4863255 | 200.000 | 220 |
| | 104 | 2-Octanol | 45 | 9.890 | 9.890 | (0.991) | 634584 | 200.000 | 200 |
| | 105 | 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 2334833 | 200.000 | 200 |
| | 107 | p-Isopropyltoluene | 119 | 9.973 | 9.972 | (0.999) | 4127036 | 200.000 | 220 |
| * | 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 428504 | 50.0000 | |
| | 109 | 1,4-Dichlorobenzene | 146 | 9.997 | 9.997 | (1.002) | 2403738 | 200.000 | 200 |
| | 110 | Benzyl Chloride | 91 | 10.104 | 10.104 | (1.012) | 2430638 | 200.000 | 210 |
| | 106 | n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 3843842 | 200.000 | 220 |
| | 111 | 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.029) | 2264160 | 200.000 | 200 |
| | 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 243318 | 200.000 | 210 |
| | 113 | Camphor | 95 | 11.314 | 11.314 | (1.134) | 491122 | 1000.00 | 930 |
| | 114 | 1,2,4-Trichlorobenzene | 180 | 11.380 | 11.371 | (1.140) | 1345994 | 200.000 | 200 |
| | 115 | Hexachlorobutadiene | 225 | 11.487 | 11.487 | (1.151) | 593662 | 200.000 | 230 |
| | 116 | Naphthalene | 128 | 11.536 | 11.536 | (1.156) | 3402033 | 200.000 | 200 |
| | 117 | 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 1118050 | 200.000 | 200 |
| M | 120 | 1,2-Dichloroethene (Total) | 100 | | | | 2188904 | 400.000 | 410 |
| M | 121 | Xylene (Total) | 100 | | | | 5597701 | 600.000 | 630 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25727.d
Report Date: 21-Sep-2009 13:48

QC Flag Legend

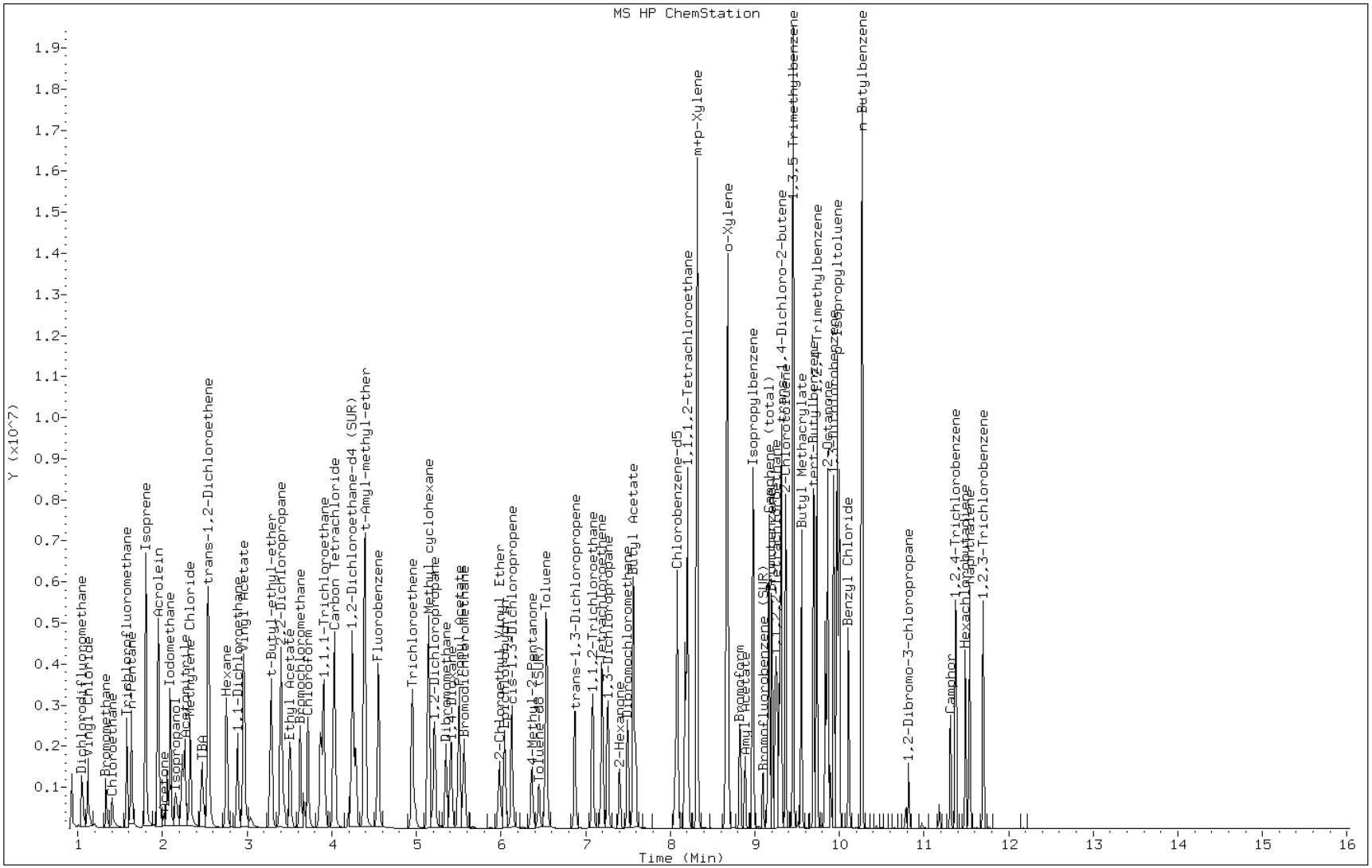
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: b25727.d

Date: 19-SEP-2009 10:01

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM8LCAL5 Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25728.d
Report Date: 21-Sep-2009 13:53

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25728.d
Lab Smp Id: IC-VM8LCAL6
Inj Date : 19-SEP-2009 10:27
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM8LCAL6
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/8260_09.m
Meth Date : 21-Sep-2009 13:09 pritch Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 5.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 2162147 | 500.000 | 500(A) |
| 3 Chloromethane | 50 | 1.043 | 1.043 | (0.229) | 3437630 | 500.000 | 540(A) |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.245) | 3044057 | 500.000 | 510(A) |
| 6 Bromomethane | 94 | 1.331 | 1.331 | (0.292) | 1403409 | 500.000 | 460 |
| 5 Chloroethane | 64 | 1.405 | 1.405 | (0.308) | 1607678 | 500.000 | 480 |
| 7 Trichlorofluoromethane | 101 | 1.578 | 1.578 | (0.346) | 3614208 | 500.000 | 490 |
| 8 n-Pentane | 72 | 1.636 | 1.636 | (0.359) | 460365 | 500.000 | 500 |
| 10 Isoprene | 67 | 1.800 | 1.800 | (0.395) | 3591972 | 500.000 | 510(A) |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.395) | 2081708 | 500.000 | 460 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 80860 | 400.000 | 400 |
| 15 1,1-Dichloroethene | 96 | 1.948 | 1.948 | (0.428) | 2031845 | 500.000 | 530(A) |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.429) | 2434643 | 500.000 | 500(A) |
| 16 Acetone | 58 | 2.014 | 2.014 | (0.442) | 238841 | 500.000 | 440 |
| 17 Iodomethane | 142 | 2.055 | 2.055 | (0.451) | 3484875 | 500.000 | 460 |
| 18 Carbon Disulfide | 76 | 2.097 | 2.088 | (0.460) | 8021043 | 500.000 | 500 |
| 19 Isopropanol | 45 | 2.154 | 2.154 | (0.473) | 1311133 | 6000.00 | 6200(A) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25728.d
Report Date: 21-Sep-2009 13:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.237 | 2.228 | (0.491) | 1029226 | 10000.0 | 8400 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.496) | 952029 | 500.000 | 470 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.327 | (0.511) | 2406159 | 500.000 | 470 |
| | 24 TBA | 59 | 2.467 | 2.467 | (0.541) | 4690667 | 10000.0 | 9700 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.533 | 2.533 | (0.556) | 2648139 | 500.000 | 520(A) |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.558) | 525582 | 200.000 | 220 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.559) | 7503178 | 500.000 | 480 |
| | 29 Hexane | 56 | 2.755 | 2.755 | (0.605) | 1682846 | 500.000 | 500(A) |
| | 30 1,1-Dichloroethane | 63 | 2.887 | 2.887 | (0.633) | 4481583 | 500.000 | 510(A) |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.952 | (0.650) | 5736063 | 500.000 | 460 |
| | 32 DIPE | 45 | 2.961 | 2.961 | (0.650) | 7344765 | 500.000 | 470 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.290 | 3.282 | (0.722) | 7639978 | 500.000 | 470 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.389 | (0.745) | 3190993 | 500.000 | 500(A) |
| | 36 cis-1,2-Dichloroethene | 96 | 3.405 | 3.405 | (0.747) | 2964997 | 500.000 | 510(A) |
| | 38 2-Butanone | 72 | 3.446 | 3.438 | (0.756) | 376475 | 500.000 | 510(A) |
| | 39 Ethyl Acetate | 70 | 3.512 | 3.504 | (0.771) | 670152 | 1000.00 | 1000 |
| | 40 Bromochloromethane | 128 | 3.627 | 3.627 | (0.796) | 1564095 | 500.000 | 510(A) |
| | 41 Tetrahydrofuran | 42 | 3.668 | 3.668 | (0.805) | 854447 | 500.000 | 500(A) |
| | 42 Chloroform | 83 | 3.718 | 3.718 | (0.816) | 4551130 | 500.000 | 500(A) |
| | 43 1,1,1-Trichloroethane | 97 | 3.874 | 3.866 | (0.850) | 3717670 | 500.000 | 530(A) |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.857) | 4252054 | 500.000 | 500 |
| | 45 Carbon Tetrachloride | 117 | 4.031 | 4.022 | (0.884) | 3236793 | 500.000 | 500(A) |
| | 46 1,1-Dichloropropene | 75 | 4.039 | 4.031 | (0.886) | 3582766 | 500.000 | 540(A) |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.203 | (0.922) | 259477 | 50.0000 | 50 |
| | 48 Benzene | 78 | 4.253 | 4.245 | (0.527) | 10021947 | 500.000 | 460 |
| | 49 1,2-Dichloroethane | 62 | 4.286 | 4.277 | (0.940) | 3420969 | 500.000 | 490 |
| | 50 t-Amyl-methyl-ether | 73 | 4.393 | 4.384 | (0.964) | 7668325 | 500.000 | 480 |
| | 61 Isopropyl Acetate | 43 | 4.393 | 4.384 | (0.964) | 11759780 | 1000.00 | 890 |
| * | 52 Fluorobenzene | 96 | 4.557 | 4.549 | (1.000) | 1068801 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.952 | (1.087) | 2778727 | 500.000 | 520(A) |
| | 53 n-Butanol | 56 | 4.993 | 4.985 | (1.096) | 343128 | 3000.00 | 2900 |
| | 56 Methyl cyclohexane | 83 | 5.150 | 5.142 | (1.130) | 4327054 | 500.000 | 500 |
| | 55 Ethyl Acrylate | 55 | 5.150 | 5.142 | (1.130) | 6970931 | 500.000 | 490 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.144) | 2719491 | 500.000 | 510(A) |
| | 58 Dibromomethane | 93 | 5.356 | 5.347 | (1.175) | 1914067 | 500.000 | 510(A) |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.405 | (1.188) | 867783 | 500.000 | 500(A) |
| | 75 Propyl Acetate | 43 | 5.512 | 5.504 | (1.209) | 8087551 | 1000.00 | 920 |
| | 68 Bromodichloromethane | 83 | 5.570 | 5.561 | (1.222) | 3740556 | 500.000 | 520(A) |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.989 | 5.981 | (1.314) | 2054807 | 500.000 | 490 |
| | 63 Epichlorohydrin | 57 | 6.055 | 6.039 | (0.751) | 5757366 | 10000.0 | 9700 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.137 | 6.121 | (0.761) | 4481655 | 500.000 | 520(A) |
| | 70 4-Methyl-2-Pentanone | 43 | 6.368 | 6.360 | (0.790) | 2901530 | 500.000 | 490 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.450 | 6.450 | (0.800) | 814125 | 50.0000 | 50 |
| | 66 Toluene | 91 | 6.541 | 6.532 | (0.811) | 10792305 | 500.000 | 470 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.878 | 6.870 | (0.853) | 4296398 | 500.000 | 520(A) |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 2230606 | 500.000 | 500(A) |
| | 71 Tetrachloroethene | 166 | 7.199 | 7.191 | (0.893) | 3040622 | 500.000 | 530(A) |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25728.d
Report Date: 21-Sep-2009 13:53

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 72 | 1,3-Dichloropropane | 76 | 7.265 | 7.257 | (0.901) | 4483411 | 500.000 | 500 |
| 73 | 2-Hexanone | 43 | 7.405 | 7.397 | (0.918) | 2144946 | 500.000 | 500(A) |
| 74 | Dibromochloromethane | 129 | 7.504 | 7.495 | (0.931) | 3174619 | 500.000 | 540(A) |
| 76 | Butyl Acetate | 73 | 7.569 | 7.561 | (0.939) | 1821322 | 1000.00 | 1000(A) |
| 77 | 1,2-Dibromoethane | 107 | 7.594 | 7.586 | (0.942) | 2970276 | 500.000 | 500(A) |
| * 78 | Chlorobenzene-d5 | 117 | 8.063 | 8.055 | (1.000) | 856526 | 50.0000 | |
| 79 | Chlorobenzene | 112 | 8.088 | 8.080 | (1.003) | 7212376 | 500.000 | 490 |
| 80 | 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.014) | 2733835 | 500.000 | 550(A) |
| 81 | Ethylbenzene | 106 | 8.211 | 8.203 | (1.018) | 3951814 | 500.000 | 520(A) |
| 82 | m+p-Xylene | 106 | 8.326 | 8.318 | (1.033) | 9027023 | 1000.00 | 980 |
| 84 | o-Xylene | 106 | 8.664 | 8.656 | (1.075) | 4631838 | 500.000 | 520(A) |
| 85 | Styrene | 104 | 8.689 | 8.680 | (1.078) | 7814426 | 500.000 | 490 |
| 83 | Butyl Acrylate | 73 | 8.689 | 8.680 | (1.078) | 2417083 | 500.000 | 520(A) |
| 86 | Bromoform | 173 | 8.828 | 8.820 | (1.095) | 2413568 | 500.000 | 500(A) |
| 87 | Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 1610851 | 500.000 | 500 |
| 88 | Isopropylbenzene | 105 | 8.985 | 8.977 | (1.114) | 10376092 | 500.000 | 490 |
| $ 89 | Bromofluorobenzene (SUR) | 174 | 9.100 | 9.092 | (0.911) | 345092 | 50.0000 | 50 |
| 90 | Camphene (total) | 93 | 9.174 | 9.166 | (1.138) | 4300894 | 500.000 | 540(A) |
| 91 | Bromobenzene | 156 | 9.207 | 9.199 | (0.922) | 3394179 | 500.000 | 500 |
| 92 | 1,1,2,2-Tetrachloroethane | 83 | 9.248 | 9.240 | (0.926) | 3796224 | 500.000 | 510(A) |
| 93 | 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.927) | 1148908 | 500.000 | 500(A) |
| 94 | trans-1,4-Dichloro-2-butene | 53 | 9.298 | 9.289 | (0.931) | 1103178 | 500.000 | 490 |
| 95 | n-Propylbenzene | 91 | 9.314 | 9.306 | (0.932) | 12132666 | 500.000 | 440 |
| 96 | 2-Chlorotoluene | 91 | 9.372 | 9.363 | (0.938) | 8156842 | 500.000 | 490 |
| 97 | 1,3,5-Trimethylbenzene | 105 | 9.462 | 9.454 | (0.947) | 9015003 | 500.000 | 470 |
| 98 | 4-Chlorotoluene | 91 | 9.454 | 9.446 | (0.946) | 9068193 | 500.000 | 460 |
| 99 | Butyl Methacrylate | 87 | 9.561 | 9.553 | (0.957) | 3756223 | 500.000 | 520(A) |
| 100 | tert-Butylbenzene | 119 | 9.701 | 9.693 | (0.971) | 8258012 | 500.000 | 510(A) |
| 101 | 1,2,4-Trimethylbenzene | 105 | 9.742 | 9.734 | (0.975) | 9369606 | 500.000 | 480 |
| 102 | 2-Octanone | 43 | 9.841 | 9.833 | (0.985) | 4059075 | 500.000 | 520(A) |
| 103 | sec-Butylbenzene | 105 | 9.865 | 9.857 | (0.988) | 10785597 | 500.000 | 460 |
| 104 | 2-Octanol | 45 | 9.898 | 9.890 | (0.991) | 1699365 | 500.000 | 500 |
| 105 | 1,3-Dichlorobenzene | 146 | 9.940 | 9.931 | (0.995) | 5886211 | 500.000 | 490 |
| 107 | p-Isopropyltoluene | 119 | 9.981 | 9.972 | (0.999) | 9470061 | 500.000 | 480 |
| * 108 | 1,4-Dichlorobenzene-d4 | 152 | 9.989 | 9.981 | (1.000) | 443604 | 50.0000 | |
| 109 | 1,4-Dichlorobenzene | 146 | 10.005 | 9.997 | (1.002) | 5983583 | 500.000 | 480 |
| 110 | Benzyl Chloride | 91 | 10.112 | 10.104 | (1.012) | 6025437 | 500.000 | 510(A) |
| 106 | n-Butylbenzene | 91 | 10.269 | 10.269 | (1.028) | 8947810 | 500.000 | 490 |
| 111 | 1,2-Dichlorobenzene | 146 | 10.269 | 10.260 | (1.028) | 5523015 | 500.000 | 480 |
| 112 | 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.083) | 625086 | 500.000 | 520(A) |
| 113 | Camphor | 95 | 11.314 | 11.314 | (1.133) | 1194177 | 2500.00 | 2200 |
| 114 | 1,2,4-Trichlorobenzene | 180 | 11.380 | 11.371 | (1.139) | 3286344 | 500.000 | 470 |
| 115 | Hexachlorobutadiene | 225 | 11.495 | 11.487 | (1.151) | 1482511 | 500.000 | 550(A) |
| 116 | Naphthalene | 128 | 11.544 | 11.536 | (1.156) | 7643893 | 500.000 | 450 |
| 117 | 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.171) | 2537077 | 500.000 | 440 |
| M 120 | 1,2-Dichloroethene (Total) | 100 | | | | 5613136 | 1000.00 | 1000(A) |
| M 121 | Xylene (Total) | 100 | | | | 13658861 | 1500.00 | 1500 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25728.d
Report Date: 21-Sep-2009 13:53

QC Flag Legend

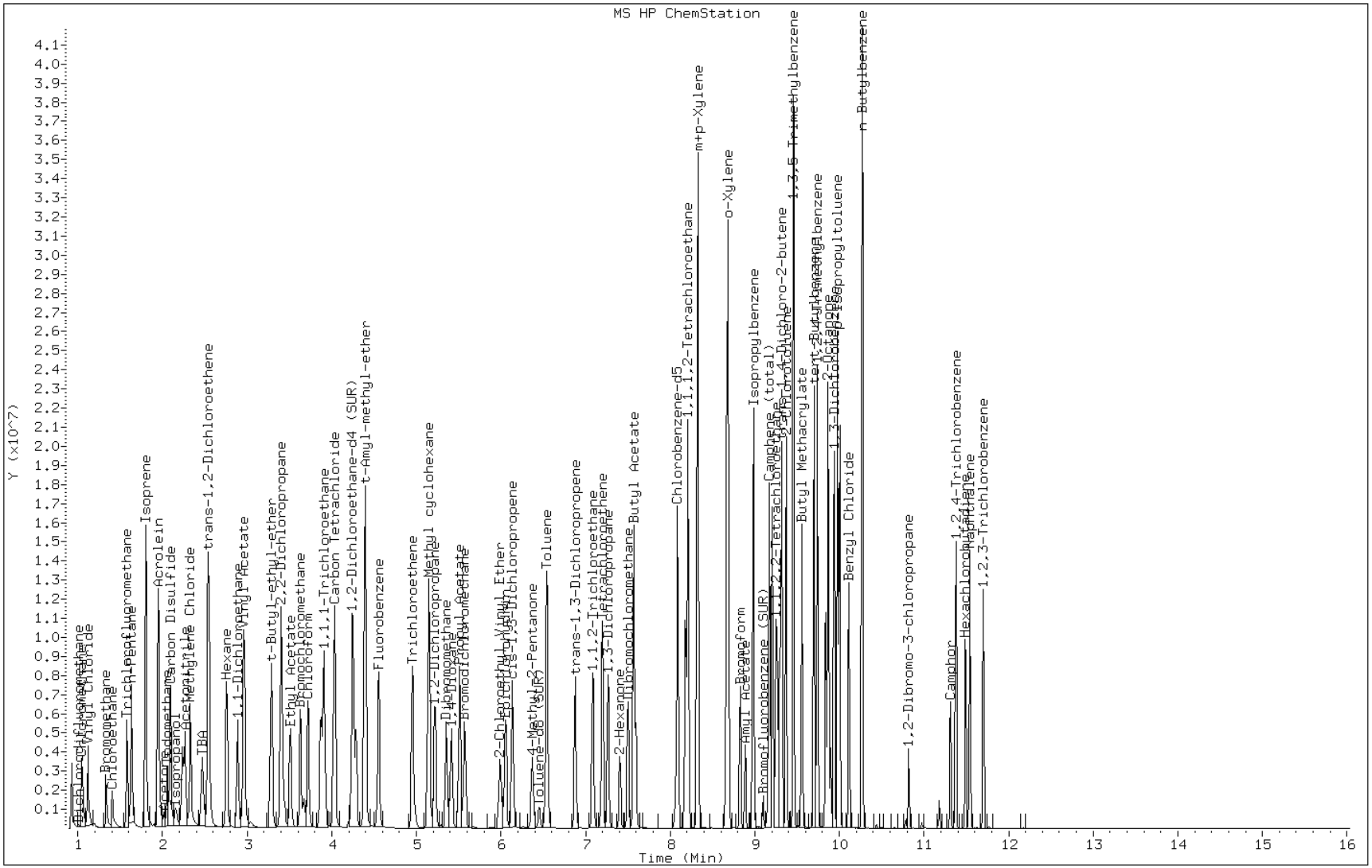
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: b25728.d

Date: 19-SEP-2009 10:27

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM8LCAL6 Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCVIS 460-17930/2 Calibration Date: 09/24/2009 18:39

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25920.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | LinF | 0.1854 | 0.1626 | | 16.0 | 20.0 | -20.0 | 50.0 |
| Chloromethane | Ave | 0.2979 | 0.2394 | 0.1000 | 16.1 | 20.0 | -19.6 | 50.0 |
| Vinyl chloride | Ave | 0.2773 | 0.2681 | | 19.3 | 20.0 | -3.3 | 20.0 |
| Bromomethane | Ave | 0.1416 | 0.1293 | | 18.3 | 20.0 | -8.7 | 50.0 |
| Chloroethane | Ave | 0.1566 | 0.1655 | | 21.1 | 20.0 | 5.7 | 50.0 |
| Trichlorofluoromethane | LinF | 0.3356 | 0.3141 | | 18.3 | 20.0 | -8.3 | 50.0 |
| Pentane | LinF | 0.0398 | 0.0373 | | 17.3 | 20.0 | -13.6 | 50.0 |
| Ethyl ether | Ave | 0.2101 | 0.2001 | | 19.0 | 20.0 | -4.8 | 50.0 |
| 2-Methyl-1,3-butadiene | Ave | 0.3280 | 0.3044 | | 18.6 | 20.0 | -7.2 | 50.0 |
| Acrolein | LinF | 0.0107 | 0.0078 | | 33.1 | 40.0 | -17.3 | 99.0 |
| 1,1,2-Trichloro-1,2,2-triflu oroethane | LinF | 0.2143 | 0.1973 | | 17.3 | 20.0 | -13.4 | 50.0 |
| 1,1-Dichloroethene | Ave | 0.1796 | 0.1717 | | 19.1 | 20.0 | -4.4 | 20.0 |
| Acetone | Ave | 0.0252 | 0.0262 | | 20.8 | 20.0 | 4.2 | 50.0 |
| Iodomethane | Ave | 0.3536 | 0.2738 | | 15.5 | 20.0 | -22.6 | 50.0 |
| Carbon disulfide | Ave | 0.7517 | 0.7025 | | 18.7 | 20.0 | -6.5 | 50.0 |
| Isopropyl alcohol | Ave | 0.0099 | 0.0065 | | 1980 | 3000 | -34.1 | 50.0 |
| Acetonitrile | Ave | 0.0057 | 0.0043 | | 302 | 400 | -24.4 | 50.0 |
| Methyl acetate | Ave | 0.0943 | 0.0865 | | 18.3 | 20.0 | -8.3 | 50.0 |
| Methylene Chloride | Ave | 0.2411 | 0.2555 | | 21.2 | 20.0 | 6.0 | 50.0 |
| 2-Methyl-2-propanol | Ave | 0.0226 | 0.0140 | | 248 | 400 | -38.0 | 50.0 |
| Acrylonitrile | Ave | 0.1115 | 0.1004 | | 18.0 | 20.0 | -9.9 | 50.0 |
| trans-1,2-Dichloroethene | Ave | 0.2381 | 0.2352 | | 19.8 | 20.0 | -1.2 | 50.0 |
| Methyl tert-butyl ether | Ave | 0.7383 | 0.6819 | | 18.5 | 20.0 | -7.6 | 50.0 |
| Hexane | Ave | 0.1560 | 0.1398 | | 17.9 | 20.0 | -10.4 | 50.0 |
| 1,1-Dichloroethane | Ave | 0.4129 | 0.4220 | 0.1000 | 20.4 | 20.0 | 2.2 | 50.0 |
| Vinyl acetate | Ave | 0.5760 | 0.5060 | | 17.6 | 20.0 | -12.2 | 50.0 |
| Isopropyl ether | Ave | 0.7300 | 0.7108 | | 19.5 | 20.0 | -2.6 | 50.0 |
| Tert-butyl ethyl ether | Ave | 0.7599 | 0.7216 | 0.0100 | 19.0 | 20.0 | -5.0 | 50.0 |
| 2,2-Dichloropropane | Ave | 0.2969 | 0.3025 | | 20.4 | 20.0 | 1.9 | 50.0 |
| cis-1,2-Dichloroethene | Ave | 0.2730 | 0.2812 | | 20.6 | 20.0 | 3.0 | 50.0 |
| 2-Butanone (MEK) | Ave | 0.0344 | 0.0311 | | 18.1 | 20.0 | -9.4 | 50.0 |
| Ethyl acetate | Ave | 0.0315 | 0.0276 | | 35.0 | 40.0 | -12.4 | 50.0 |
| Chlorobromomethane | Ave | 0.1423 | 0.1461 | | 20.5 | 20.0 | 2.7 | 50.0 |
| Tetrahydrofuran | LinF | 0.0974 | 0.0721 | | 18.0 | 20.0 | -9.8 | 50.0 |
| Chloroform | Ave | 0.4227 | 0.4330 | | 20.5 | 20.0 | 2.4 | 20.0 |
| 1,1,1-Trichloroethane | Ave | 0.3258 | 0.3154 | | 19.4 | 20.0 | -3.2 | 50.0 |
| Cyclohexane | LinF | 0.3753 | 0.3495 | | 17.5 | 20.0 | -12.3 | 50.0 |
| Carbon tetrachloride | LinF | 0.2688 | 0.2540 | | 16.8 | 20.0 | -16.0 | 50.0 |
| 1,1-Dichloropropene | Ave | 0.3117 | 0.2956 | | 19.0 | 20.0 | -5.2 | 50.0 |
| Benzene | Ave | 1.276 | 1.290 | | 20.2 | 20.0 | 1.1 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCVIS 460-17930/2 Calibration Date: 09/24/2009 18:39

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25920.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | Ave | 0.3281 | 0.3293 | | 20.1 | 20.0 | 0.4 | 50.0 |
| Isopropyl acetate | Ave | 0.6162 | 0.5462 | | 35.5 | 40.0 | -11.4 | 50.0 |
| Tert-amyl methyl ether | Ave | 0.7390 | 0.6828 | | 18.5 | 20.0 | -7.6 | 50.0 |
| Trichloroethene | Ave | 0.2494 | 0.2463 | | 19.8 | 20.0 | -1.2 | 50.0 |
| n-Butanol | QuaF | 0.0046 | 0.0029 | | 1010 | 1500 | -32.8 | 50.0 |
| Ethyl acrylate | Ave | 0.6624 | 0.5964 | | 18.0 | 20.0 | -10.0 | 50.0 |
| Methylcyclohexane | LinF | 0.3835 | 0.3532 | | 17.4 | 20.0 | -13.0 | 50.0 |
| 1,2-Dichloropropane | Ave | 0.2501 | 0.2610 | | 20.9 | 20.0 | 4.3 | 20.0 |
| Dibromomethane | Ave | 0.1751 | 0.1789 | | 20.4 | 20.0 | 2.2 | 50.0 |
| Methyl methacrylate | Ave | 0.0807 | 0.0747 | | 18.5 | 20.0 | -7.5 | 50.0 |
| n-Propyl acetate | Ave | 0.4122 | 0.3603 | | 35.0 | 40.0 | -12.6 | 50.0 |
| Dichlorobromomethane | Ave | 0.3342 | 0.3412 | | 20.4 | 20.0 | 2.1 | 50.0 |
| 2-Chloroethyl vinyl ether | Ave | 0.1968 | 0.1724 | | 17.5 | 20.0 | -12.4 | 50.0 |
| Epichlorohydrin | Ave | 0.0346 | 0.0285 | | 330 | 400 | -17.5 | 50.0 |
| cis-1,3-Dichloropropene | Ave | 0.5041 | 0.5450 | | 21.6 | 20.0 | 8.1 | 50.0 |
| 4-Methyl-2-pentanone (MIBK) | Ave | 0.3450 | 0.3132 | | 18.2 | 20.0 | -9.2 | 50.0 |
| Toluene | Ave | 1.347 | 1.402 | | 20.8 | 20.0 | 4.1 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.4774 | 0.4936 | | 20.7 | 20.0 | 3.4 | 50.0 |
| 1,1,2-Trichloroethane | Ave | 0.2601 | 0.2764 | | 21.3 | 20.0 | 6.3 | 50.0 |
| Tetrachloroethene | Ave | 0.3358 | 0.3365 | | 20.0 | 20.0 | 0.2 | 50.0 |
| 1,3-Dichloropropane | Ave | 0.5250 | 0.5648 | | 21.5 | 20.0 | 7.6 | 50.0 |
| 2-Hexanone | Ave | 0.2500 | 0.2124 | | 17.0 | 20.0 | -15.0 | 50.0 |
| Chlorodibromomethane | Ave | 0.3402 | 0.3568 | | 21.0 | 20.0 | 4.9 | 50.0 |
| n-Butyl acetate | Ave | 0.1042 | 0.0979 | | 37.6 | 40.0 | -6.0 | 50.0 |
| Ethylene Dibromide | Ave | 0.3432 | 0.3614 | | 21.1 | 20.0 | 5.3 | 50.0 |
| Chlorobenzene | Ave | 0.8531 | 0.9091 | 0.3000 | 21.3 | 20.0 | 6.6 | 50.0 |
| 1,1,1,2-Tetrachloroethane | Ave | 0.2910 | 0.3068 | | 21.1 | 20.0 | 5.4 | 50.0 |
| Ethylbenzene | Ave | 0.4404 | 0.4515 | | 20.5 | 20.0 | 2.5 | 20.0 |
| m-Xylene & p-Xylene | Ave | 0.5379 | 0.5628 | | 41.8 | 40.0 | 4.6 | 50.0 |
| o-Xylene | Ave | 0.5222 | 0.5455 | | 20.9 | 20.0 | 4.5 | 50.0 |
| Styrene | Ave | 0.9266 | 1.002 | | 21.6 | 20.0 | 8.1 | 50.0 |
| n-Butyl acrylate | Ave | 0.2696 | 0.2625 | | 19.5 | 20.0 | -2.6 | 50.0 |
| Bromoform | LinF | 0.2412 | 0.2296 | 0.1000 | 16.4 | 20.0 | -17.9 | 50.0 |
| Amyl acetate (mixed isomers) | Ave | 0.3664 | 0.3391 | | 18.5 | 20.0 | -7.5 | 50.0 |
| Isopropylbenzene | Ave | 1.236 | 1.285 | | 20.8 | 20.0 | 4.0 | 50.0 |
| Camphene | Ave | 0.4685 | 0.4432 | | 18.9 | 20.0 | -5.4 | 50.0 |
| Bromobenzene | Ave | 0.7728 | 0.8214 | | 21.3 | 20.0 | 6.3 | 50.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.8455 | 0.8710 | 0.3000 | 20.6 | 20.0 | 3.0 | 50.0 |
| 1,2,3-Trichloropropane | Ave | 0.2565 | 0.2591 | | 20.2 | 20.0 | 1.0 | 50.0 |
| trans-1,4-Dichloro-2-butene | Ave | 0.2535 | 0.2326 | | 18.4 | 20.0 | -8.2 | 50.0 |
| N-Propylbenzene | Ave | 3.137 | 3.403 | | 21.7 | 20.0 | 8.5 | 50.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCVIS 460-17930/2 Calibration Date: 09/24/2009 18:39

Instrument ID: VOAMS2 Calib Start Date: 09/19/2009 07:48

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2009 10:27

Lab File ID: b25920.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chlorotoluene | Ave | 1.884 | 2.013 | | 21.4 | 20.0 | 6.8 | 50.0 |
| 1,3,5-Trimethylbenzene | Ave | 2.142 | 2.239 | | 20.9 | 20.0 | 4.5 | 50.0 |
| 4-Chlorotoluene | Ave | 2.202 | 2.374 | | 21.6 | 20.0 | 7.8 | 50.0 |
| Butyl Methacrylate | Ave | 0.8124 | 0.7846 | | 19.3 | 20.0 | -3.4 | 50.0 |
| tert-Butylbenzene | Ave | 1.810 | 1.820 | | 20.1 | 20.0 | 0.5 | 50.0 |
| 1,2,4-Trimethylbenzene | Ave | 2.205 | 2.329 | | 21.1 | 20.0 | 5.6 | 50.0 |
| 2-Octanone | Ave | 0.8743 | 0.8029 | | 18.4 | 20.0 | -8.2 | 50.0 |
| sec-Butylbenzene | Ave | 2.628 | 2.709 | | 20.6 | 20.0 | 3.1 | 50.0 |
| 2-Octanol | QuaF | 0.2787 | 0.1233 | | 6.97 | 20.0 | -65.1* | 50.0 |
| 1,3-Dichlorobenzene | Ave | 1.365 | 1.446 | | 21.2 | 20.0 | 5.9 | 50.0 |
| 4-Isopropyltoluene | Ave | 2.238 | 2.305 | | 20.6 | 20.0 | 3.0 | 50.0 |
| 1,4-Dichlorobenzene | Ave | 1.409 | 1.474 | | 20.9 | 20.0 | 4.6 | 50.0 |
| Benzyl chloride | Ave | 1.338 | 1.257 | | 18.8 | 20.0 | -6.1 | 50.0 |
| 1,2-Dichlorobenzene | Ave | 1.291 | 1.325 | | 20.5 | 20.0 | 2.6 | 50.0 |
| n-Butylbenzene | Ave | 2.061 | 2.098 | | 20.4 | 20.0 | 1.8 | 50.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1344 | 0.1112 | | 16.5 | 20.0 | -17.3 | 50.0 |
| Camphor | Ave | 0.0615 | 0.0346 | | 56.3 | 100 | -43.7 | 50.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.7867 | 0.7053 | | 17.9 | 20.0 | -10.3 | 50.0 |
| Hexachlorobutadiene | Ave | 0.3025 | 0.2325 | | 15.4 | 20.0 | -23.2 | 50.0 |
| Naphthalene | Ave | 1.931 | 1.625 | | 16.8 | 20.0 | -15.8 | 50.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.6496 | 0.5528 | | 17.0 | 20.0 | -14.9 | 50.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.2416 | 0.1958 | | 40.5 | 50.0 | -19.0 | 50.0 |
| Toluene-d8 (Surr) | Ave | 0.9462 | 0.8250 | | 43.6 | 50.0 | -12.8 | 50.0 |
| 4-Bromofluorobenzene | Ave | 0.7729 | 0.6629 | | 42.9 | 50.0 | -14.2 | 50.0 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25920.d
Report Date: 24-Sep-2009 19:20

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25920.d
Lab Smp Id: CCVIS
Inj Date : 24-SEP-2009 18:39
Operator : Inst ID: VOAMS2.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/8260_09.m
Meth Date : 24-Sep-2009 19:20 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 69999 | 20.0000 | 16 |
| 3 Chloromethane | 50 | 1.051 | 1.051 | (0.231) | 103048 | 20.0000 | 16 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.245) | 115393 | 20.0000 | 19 |
| 6 Bromomethane | 94 | 1.339 | 1.339 | (0.294) | 55636 | 20.0000 | 18 |
| 5 Chloroethane | 64 | 1.413 | 1.413 | (0.310) | 71247 | 20.0000 | 21 |
| 7 Trichlorofluoromethane | 101 | 1.586 | 1.586 | (0.348) | 135170 | 20.0000 | 18 |
| 8 n-Pentane | 72 | 1.644 | 1.644 | (0.361) | 16041 | 20.0000 | 17 |
| 10 Isoprene | 67 | 1.808 | 1.808 | (0.397) | 131005 | 20.0000 | 18 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.395) | 86108 | 20.0000 | 19 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 6704 | 40.0000 | 33 |
| 15 1,1-Dichloroethene | 96 | 1.957 | 1.957 | (0.429) | 73917 | 20.0000 | 19 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.429) | 84913 | 20.0000 | 17 |
| 16 Acetone | 58 | 2.022 | 2.022 | (0.444) | 11292 | 20.0000 | 21 |
| 17 Iodomethane | 142 | 2.064 | 2.064 | (0.453) | 117828 | 20.0000 | 15 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25920.d
Report Date: 24-Sep-2009 19:20

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 18 Carbon Disulfide | 76 | 2.097 | 2.097 | (0.460) | 302359 | 20.0000 | 19 |
| | 19 Isopropanol | 45 | 2.146 | 2.146 | (0.471) | 421891 | 3000.00 | 2000 |
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.489) | 37328 | 400.000 | 300 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.496) | 37228 | 20.0000 | 18 |
| | 22 Methylene Chloride | 84 | 2.335 | 2.335 | (0.512) | 109983 | 20.0000 | 21 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 120314 | 400.000 | 250 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.541 | 2.541 | (0.558) | 101223 | 20.0000 | 20 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.558) | 43205 | 20.0000 | 18 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.559) | 293499 | 20.0000 | 18 |
| | 29 Hexane | 56 | 2.763 | 2.763 | (0.606) | 60153 | 20.0000 | 18 |
| | 30 1,1-Dichloroethane | 63 | 2.895 | 2.895 | (0.635) | 181615 | 20.0000 | 20 |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.961 | (0.650) | 217759 | 20.0000 | 18 |
| | 32 DIPE | 45 | 2.969 | 2.969 | (0.651) | 305905 | 20.0000 | 19 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.290 | 3.290 | (0.722) | 310554 | 20.0000 | 19 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.397 | (0.745) | 130194 | 20.0000 | 20 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.413 | 3.413 | (0.749) | 121005 | 20.0000 | 20 |
| | 38 2-Butanone | 72 | 3.446 | 3.446 | (0.756) | 13400 | 20.0000 | 18 |
| | 39 Ethyl Acetate | 70 | 3.512 | 3.512 | (0.771) | 23748 | 40.0000 | 35 |
| | 40 Bromochloromethane | 128 | 3.635 | 3.635 | (0.798) | 62893 | 20.0000 | 20 |
| | 41 Tetrahydrofuran | 42 | 3.677 | 3.677 | (0.807) | 31019 | 20.0000 | 18 |
| | 42 Chloroform | 83 | 3.726 | 3.726 | (0.818) | 186362 | 20.0000 | 20 |
| | 43 1,1,1-Trichloroethane | 97 | 3.874 | 3.874 | (0.850) | 135729 | 20.0000 | 19 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.857) | 150434 | 20.0000 | 18 |
| | 45 Carbon Tetrachloride | 117 | 4.030 | 4.030 | (0.884) | 109299 | 20.0000 | 17 |
| | 46 1,1-Dichloropropene | 75 | 4.039 | 4.039 | (0.886) | 127205 | 20.0000 | 19 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.212 | 4.212 | (0.924) | 210722 | 50.0000 | 40 |
| | 48 Benzene | 78 | 4.253 | 4.253 | (0.527) | 416703 | 20.0000 | 20 |
| | 49 1,2-Dichloroethane | 62 | 4.286 | 4.286 | (0.940) | 141714 | 20.0000 | 20 |
| | 50 t-Amyl-methyl-ether | 73 | 4.393 | 4.393 | (0.964) | 293889 | 20.0000 | 18 |
| | 61 Isopropyl Acetate | 43 | 4.393 | 4.393 | (0.964) | 470118 | 40.0000 | 35 |
| * | 52 Fluorobenzene | 96 | 4.557 | 4.557 | (1.000) | 1075988 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.960 | 4.960 | (1.088) | 105989 | 20.0000 | 20 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.094) | 93094 | 1500.00 | 1000 |
| | 56 Methyl cyclohexane | 83 | 5.150 | 5.150 | (1.130) | 152027 | 20.0000 | 17 |
| | 55 Ethyl Acrylate | 55 | 5.150 | 5.150 | (1.130) | 256670 | 20.0000 | 18 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.144) | 112321 | 20.0000 | 21 |
| | 58 Dibromomethane | 93 | 5.355 | 5.355 | (1.175) | 77005 | 20.0000 | 20 |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.413 | (1.188) | 32128 | 20.0000 | 18 |
| | 75 Propyl Acetate | 43 | 5.512 | 5.512 | (1.209) | 310099 | 40.0000 | 35 |
| | 68 Bromodichloromethane | 83 | 5.569 | 5.569 | (1.222) | 146833 | 20.0000 | 20 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.989 | 5.989 | (1.314) | 74196 | 20.0000 | 18 |
| | 63 Epichlorohydrin | 57 | 6.047 | 6.047 | (0.750) | 184200 | 400.000 | 330 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.129 | 6.129 | (0.760) | 176066 | 20.0000 | 22 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.368 | 6.368 | (0.790) | 101184 | 20.0000 | 18 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.458 | 6.458 | (0.801) | 666388 | 50.0000 | 44 |
| | 66 Toluene | 91 | 6.541 | 6.541 | (0.811) | 452815 | 20.0000 | 21 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.878 | 6.878 | (0.853) | 159447 | 20.0000 | 21 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25920.d
Report Date: 24-Sep-2009 19:20

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 89279 | 20.0000 | 21 |
| | 71 Tetrachloroethene | 166 | 7.199 | 7.199 | (0.893) | 108696 | 20.0000 | 20 |
| | 72 1,3-Dichloropropane | 76 | 7.265 | 7.265 | (0.901) | 182457 | 20.0000 | 22 |
| | 73 2-Hexanone | 43 | 7.405 | 7.405 | (0.918) | 68618 | 20.0000 | 17 |
| | 74 Dibromochloromethane | 129 | 7.503 | 7.503 | (0.931) | 115263 | 20.0000 | 21 |
| | 76 Butyl Acetate | 73 | 7.569 | 7.569 | (0.939) | 63278 | 40.0000 | 38 |
| | 77 1,2-Dibromoethane | 107 | 7.594 | 7.594 | (0.942) | 116759 | 20.0000 | 21 |
| * | 78 Chlorobenzene-d5 | 117 | 8.063 | 8.063 | (1.000) | 807650 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.088 | 8.088 | (1.003) | 293686 | 20.0000 | 21 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.014) | 99103 | 20.0000 | 21 |
| | 81 Ethylbenzene | 106 | 8.211 | 8.211 | (1.018) | 145858 | 20.0000 | 20 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.032) | 363619 | 40.0000 | 42 |
| | 84 o-Xylene | 106 | 8.664 | 8.664 | (1.075) | 176237 | 20.0000 | 21 |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.077) | 323695 | 20.0000 | 22 |
| | 83 Butyl Acrylate | 73 | 8.689 | 8.689 | (1.078) | 84793 | 20.0000 | 19 |
| | 86 Bromoform | 173 | 8.828 | 8.828 | (1.095) | 74174 | 20.0000 | 16 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 53779 | 20.0000 | 18 |
| | 88 Isopropylbenzene | 105 | 8.985 | 8.985 | (1.114) | 415260 | 20.0000 | 21 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 262887 | 50.0000 | 43 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.137) | 143173 | 20.0000 | 19 |
| | 91 Bromobenzene | 156 | 9.207 | 9.207 | (0.922) | 130276 | 20.0000 | 21 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.248 | 9.248 | (0.927) | 138143 | 20.0000 | 21 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 41097 | 20.0000 | 20 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.931) | 36894 | 20.0000 | 18 |
| | 95 n-Propylbenzene | 91 | 9.314 | 9.314 | (0.933) | 539694 | 20.0000 | 22 |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 319207 | 20.0000 | 21 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 355058 | 20.0000 | 21 |
| | 98 4-Chlorotoluene | 91 | 9.454 | 9.454 | (0.947) | 376569 | 20.0000 | 22 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.957) | 124448 | 20.0000 | 19 |
| | 100 tert-Butylbenzene | 119 | 9.701 | 9.701 | (0.972) | 288627 | 20.0000 | 20 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 369416 | 20.0000 | 21 |
| | 102 2-Octanone | 43 | 9.832 | 9.832 | (0.985) | 127346 | 20.0000 | 18 |
| | 103 sec-Butylbenzene | 105 | 9.865 | 9.865 | (0.988) | 429707 | 20.0000 | 21 |
| | 104 2-Octanol | 45 | 9.898 | 9.898 | (0.992) | 19559 | 20.0000 | 7.0 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 229280 | 20.0000 | 21 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 365629 | 20.0000 | 21 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 396513 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 10.005 | 10.005 | (1.002) | 233805 | 20.0000 | 21 |
| | 110 Benzyl Chloride | 91 | 10.112 | 10.112 | (1.013) | 199296 | 20.0000 | 19 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 332717 | 20.0000 | 20 |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.269 | (1.029) | 210226 | 20.0000 | 20 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 17637 | 20.0000 | 16 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.134) | 27437 | 100.000 | 56 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.380 | 11.380 | (1.140) | 111870 | 20.0000 | 18 |
| | 115 Hexachlorobutadiene | 225 | 11.495 | 11.495 | (1.152) | 36872 | 20.0000 | 15 |
| | 116 Naphthalene | 128 | 11.544 | 11.544 | (1.157) | 257763 | 20.0000 | 17 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 87683 | 20.0000 | 17 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25920.d
Report Date: 24-Sep-2009 19:20

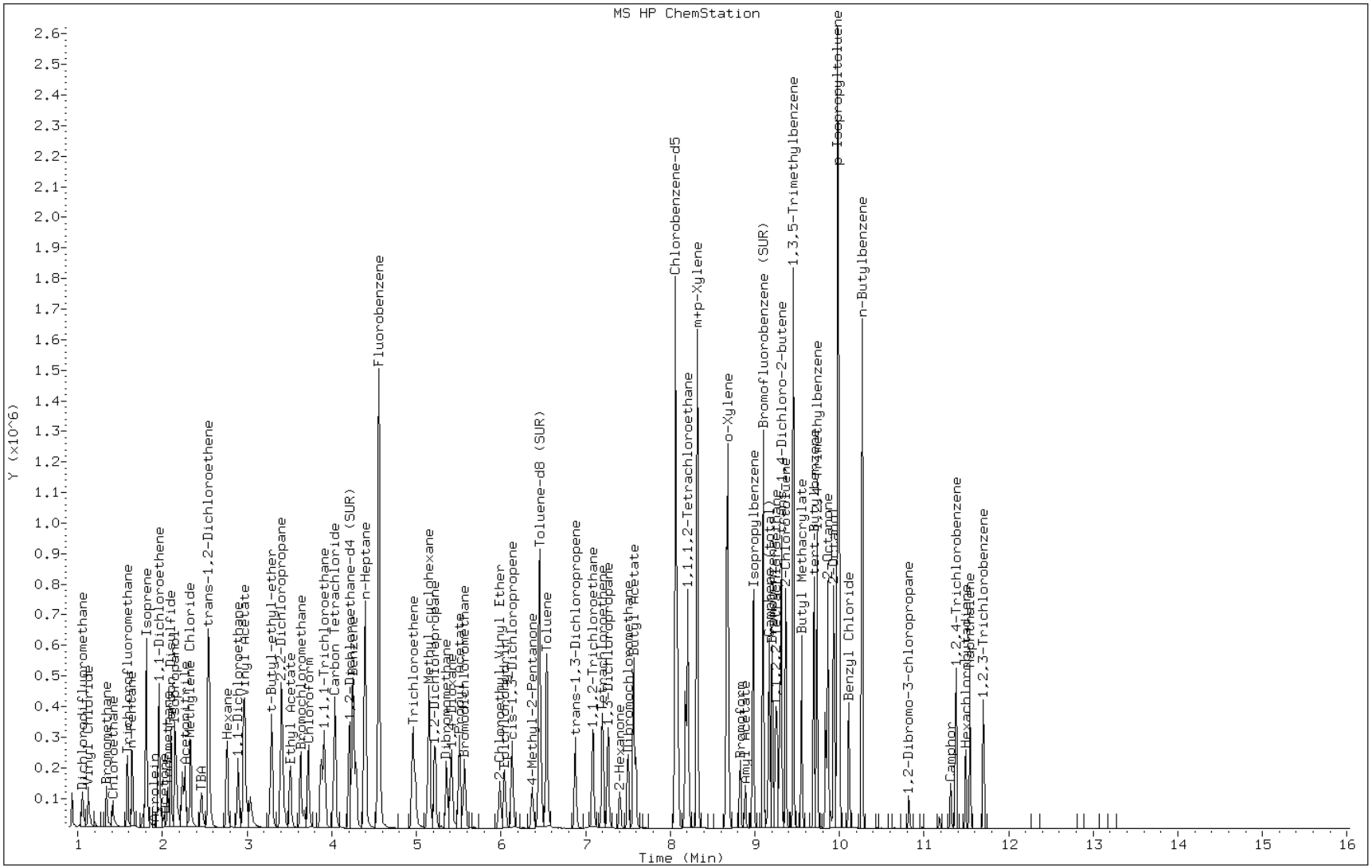
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 222228 | 40.0000 | 40 |
| M 121 Xylene (Total) | 100 | | | | 539857 | 60.0000 | 63 |

Data File: b25920.d

Date: 24-SEP-2009 18:39

Client ID: Instrument: VOAMS2.i

Sample Info: CCVIS Operator:



Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25720.d
Report Date: 19-Sep-2009 07:12

TestAmerica

Data file : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25720.d
Lab Smp Id: BFB
Inj Date : 19-SEP-2009 06:59
Operator : VOAMS 1 Inst ID: VOAMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/VOABFB.m
Meth Date : 05-Apr-2009 14:55 sylvanus Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

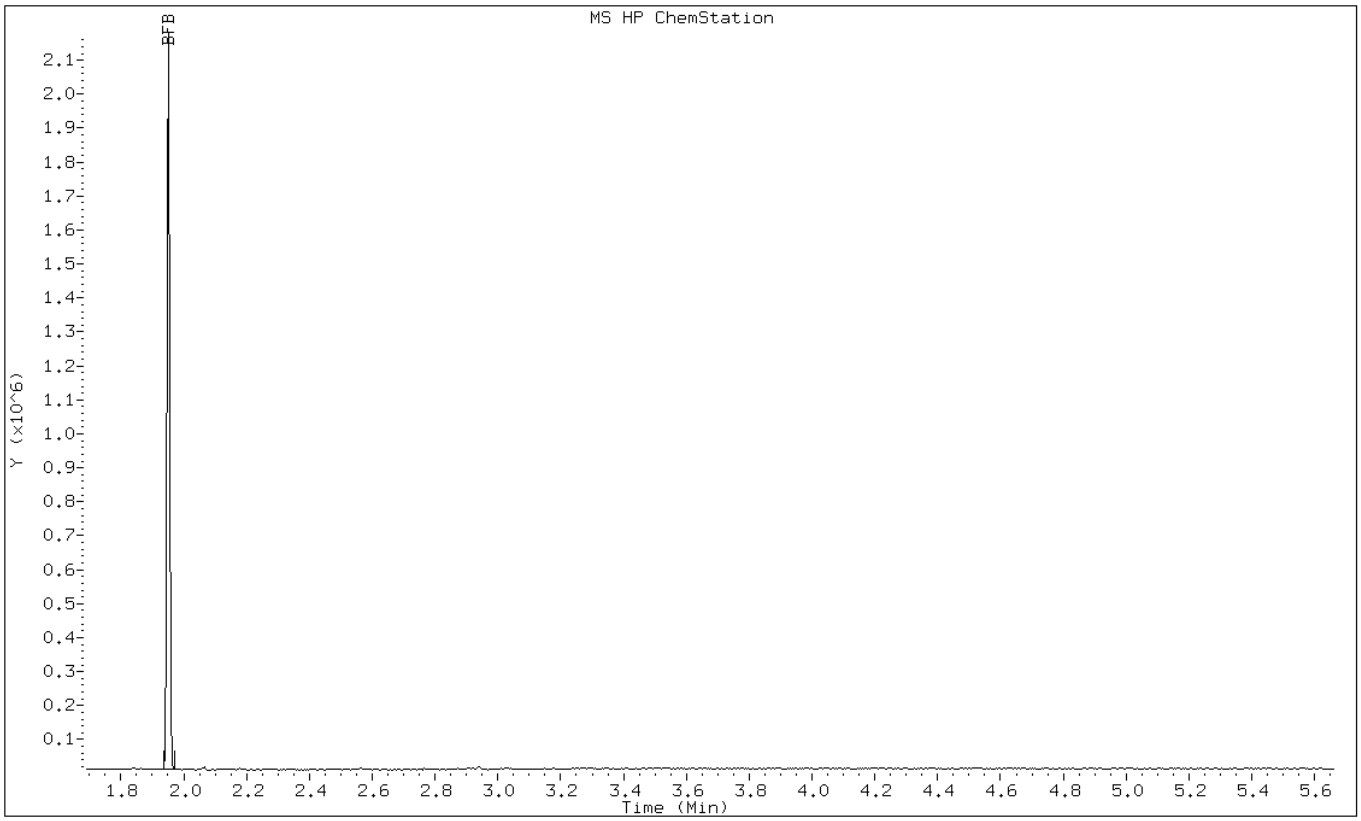
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 1.952 | 1.900 (0.000) | 95 | 334976 | | | 0.00- 100.00 | 100.00 |
| 1.952 | 1.900 (0.000) | 50 | 57800 | | | 15.00- 40.00 | 17.25 |
| 1.952 | 1.900 (0.000) | 75 | 158144 | | | 30.00- 60.00 | 47.21 |
| 1.952 | 1.900 (0.000) | 96 | 22600 | | | 5.00- 9.00 | 6.75 |
| 1.952 | 1.900 (0.000) | 173 | 1620 | | | 0.00- 2.00 | 0.55 |
| 1.952 | 1.900 (0.000) | 174 | 293504 | | | 50.00- 100.00 | 87.62 |
| 1.952 | 1.900 (0.000) | 175 | 20128 | | | 5.00- 9.00 | 6.86 |
| 1.952 | 1.900 (0.000) | 176 | 284032 | | | 95.00- 101.00 | 96.77 |
| 1.952 | 1.900 (0.000) | 177 | 18048 | | | 5.00- 9.00 | 6.35 |

Data File: b25720.d

Date: 19-SEP-2009 06:59

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1



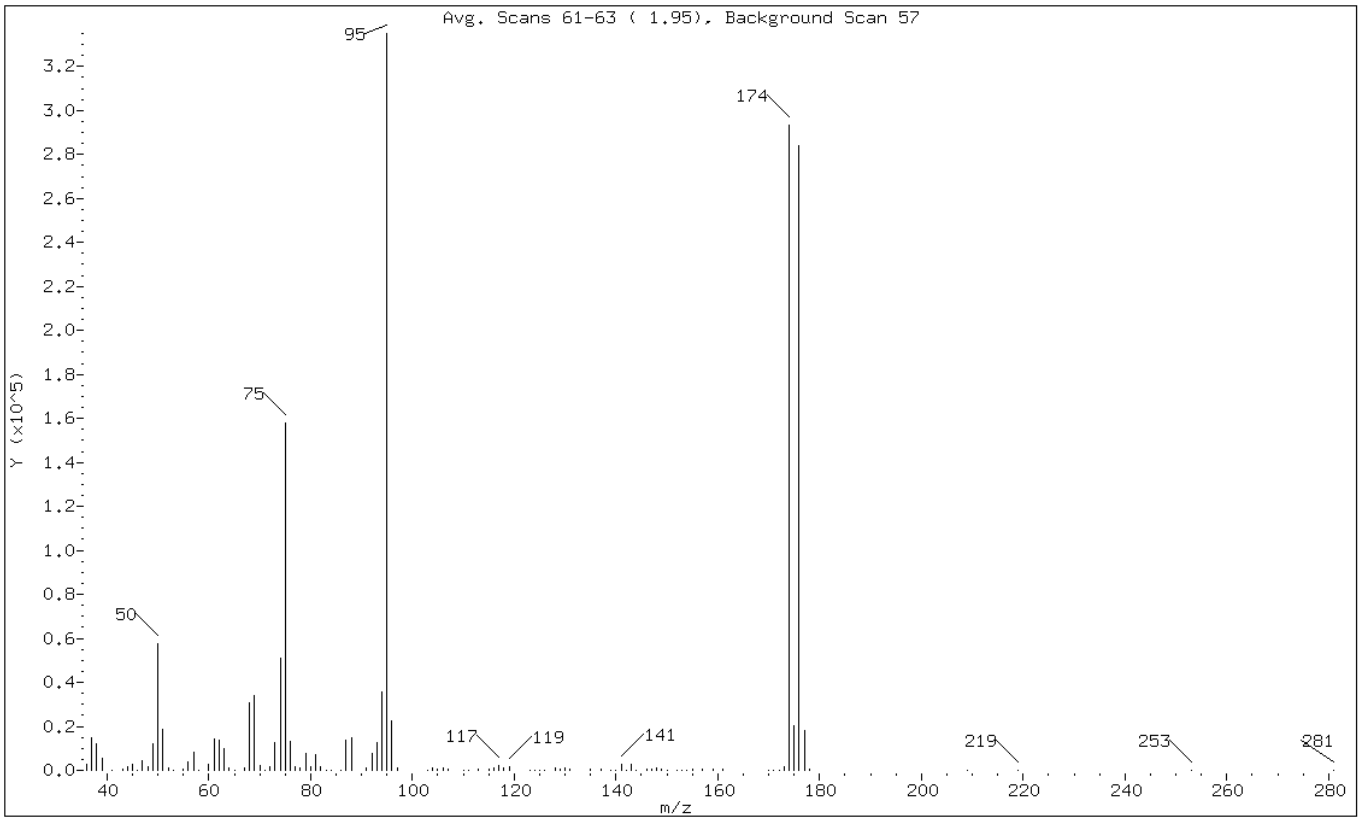
Data File: b25720.d

Date: 19-SEP-2009 06:59

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 17.25 |
| 75 | 30.00 - 60.00% of mass 95 | 47.21 |
| 96 | 5.00 - 9.00% of mass 95 | 6.75 |
| 173 | Less than 2.00% of mass 174 | 0.48 ( 0.55) |
| 174 | 50.00 - 100.00% of mass 95 | 87.62 |
| 175 | 5.00 - 9.00% of mass 174 | 6.01 ( 6.86) |
| 176 | 95.00 - 101.00% of mass 174 | 84.79 ( 96.77) |
| 177 | 5.00 - 9.00% of mass 176 | 5.39 ( 6.35) |

Data File: b25720.d

Date: 19-SEP-2009 06:59

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b/b25720.d
Spectrum: Avg. Scans 61-63 ( 1.95), Background Scan 57
Location of Maximum: 95.00
Number of points: 108

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 2659 | 69.00 | 33984 | 105.00 | 388 | 147.00 | 331 |
| 37.00 | 14993 | 70.00 | 2234 | 106.00 | 1183 | 148.00 | 1040 |
| 38.00 | 12110 | 71.00 | 70 | 107.00 | 342 | 149.00 | 281 |
| 39.00 | 5393 | 72.00 | 1506 | 110.00 | 188 | 150.00 | 59 |
| 41.00 | 10 | 73.00 | 12772 | 111.00 | 208 | 152.00 | 158 |
| 43.00 | 324 | 74.00 | 50736 | 113.00 | 330 | 153.00 | 225 |
| 44.00 | 1622 | 75.00 | 158144 | 115.00 | 502 | 154.00 | 100 |
| 45.00 | 2617 | 76.00 | 13273 | 116.00 | 933 | 155.00 | 768 |
| 46.00 | 162 | 77.00 | 1821 | 117.00 | 2022 | 157.00 | 501 |
| 47.00 | 4282 | 78.00 | 1273 | 118.00 | 1186 | 159.00 | 402 |
| 48.00 | 1819 | 79.00 | 7673 | 119.00 | 1496 | 161.00 | 375 |
| 49.00 | 12294 | 80.00 | 1820 | 123.00 | 96 | 170.00 | 128 |
| 50.00 | 57800 | 81.00 | 7214 | 124.00 | 180 | 171.00 | 49 |
| 51.00 | 18808 | 82.00 | 1552 | 125.00 | 48 | 172.00 | 211 |
| 52.00 | 977 | 83.00 | 175 | 126.00 | 165 | 173.00 | 1620 |
| 53.00 | 84 | 84.00 | 38 | 128.00 | 1262 | 174.00 | 293504 |
| 55.00 | 782 | 86.00 | 150 | 129.00 | 479 | 175.00 | 20128 |
| 56.00 | 3624 | 87.00 | 13465 | 130.00 | 1285 | 176.00 | 284032 |
| 57.00 | 8339 | 88.00 | 14600 | 131.00 | 446 | 177.00 | 18048 |
| 58.00 | 240 | 91.00 | 1203 | 135.00 | 640 | 178.00 | 579 |
| 60.00 | 2794 | 92.00 | 7853 | 137.00 | 411 | 209.00 | 1 |
| 61.00 | 14011 | 93.00 | 12537 | 139.00 | 80 | 219.00 | 38 |
| 62.00 | 13488 | 94.00 | 35864 | 140.00 | 218 | 253.00 | 115 |
| 63.00 | 9830 | 95.00 | 334976 | 141.00 | 2802 | 281.00 | 21 |
| 64.00 | 855 | 96.00 | 22600 | 142.00 | 236 | | |
| 65.00 | 76 | 97.00 | 834 | 143.00 | 2614 | | |
| 67.00 | 863 | 103.00 | 101 | 144.00 | 177 | | |
| 68.00 | 30576 | 104.00 | 1290 | 146.00 | 456 | | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25918.d
Report Date: 24-Sep-2009 18:00

TestAmerica

Data file : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25918.d
Lab Smp Id: BFB
Inj Date : 24-SEP-2009 17:43
Operator : VOAMS 1 Inst ID: VOAMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/VOABFB.m
Meth Date : 05-Apr-2009 14:55 sylvanus Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Uf | 1.00000 | ng unit correction factor |
| Vf | 1.00000 | Volumetric correction factor |
| VI | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

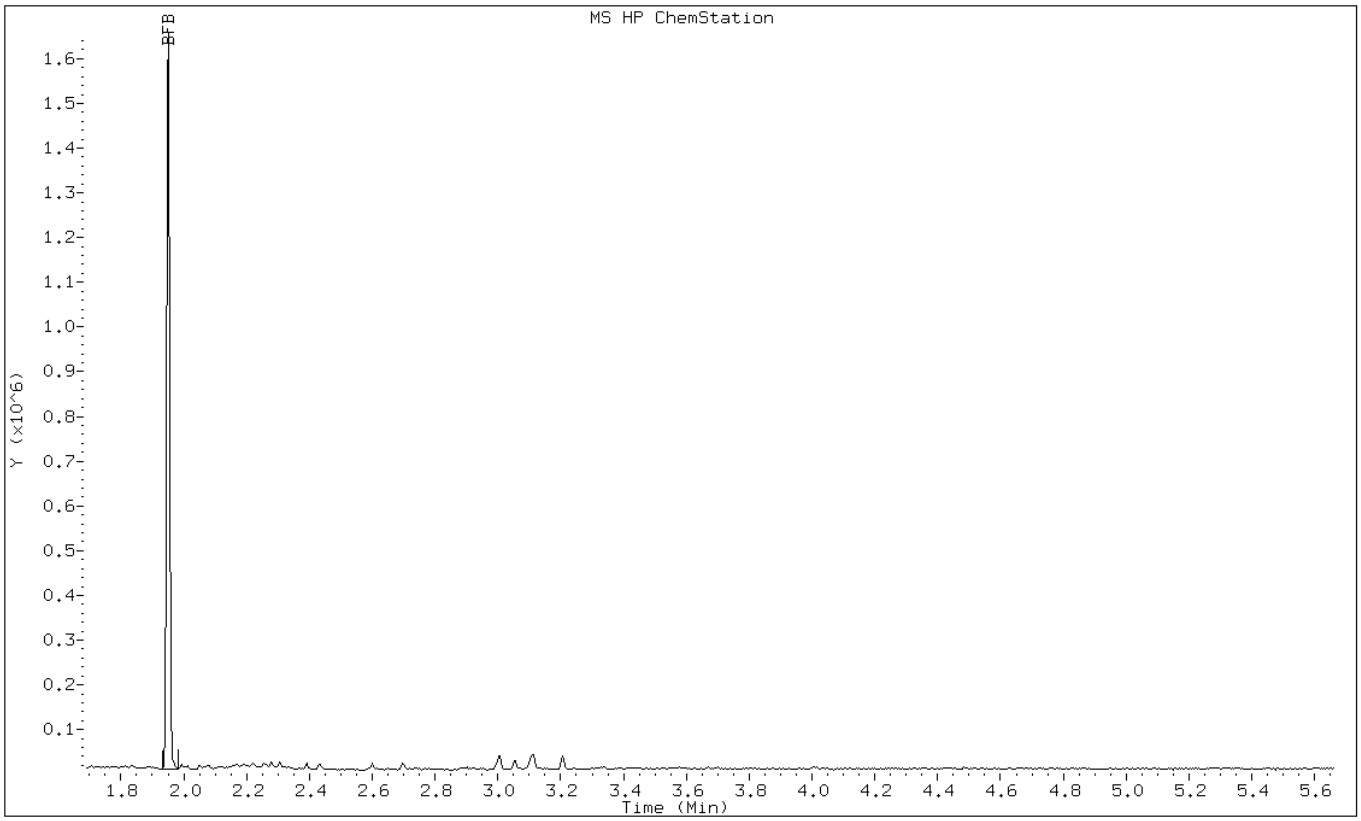
| RT | EXP RT (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|
| 1 BFB | | | | | CAS #: 460-00-4 | | |
| 1.952 | 1.900 (0.000) | 95 | 270464 | | | 0.00- 100.00 | 100.00 |
| 1.952 | 1.900 (0.000) | 50 | 49816 | | | 15.00- 40.00 | 18.42 |
| 1.952 | 1.900 (0.000) | 75 | 125656 | | | 30.00- 60.00 | 46.46 |
| 1.952 | 1.900 (0.000) | 96 | 17744 | | | 5.00- 9.00 | 6.56 |
| 1.952 | 1.900 (0.000) | 173 | 1759 | | | 0.00- 2.00 | 0.73 |
| 1.952 | 1.900 (0.000) | 174 | 239424 | | | 50.00- 100.00 | 88.52 |
| 1.952 | 1.900 (0.000) | 175 | 16373 | | | 5.00- 9.00 | 6.84 |
| 1.952 | 1.900 (0.000) | 176 | 228160 | | | 95.00- 101.00 | 95.30 |
| 1.952 | 1.900 (0.000) | 177 | 14616 | | | 5.00- 9.00 | 6.41 |

Data File: b25918.d

Date: 24-SEP-2009 17:43

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1



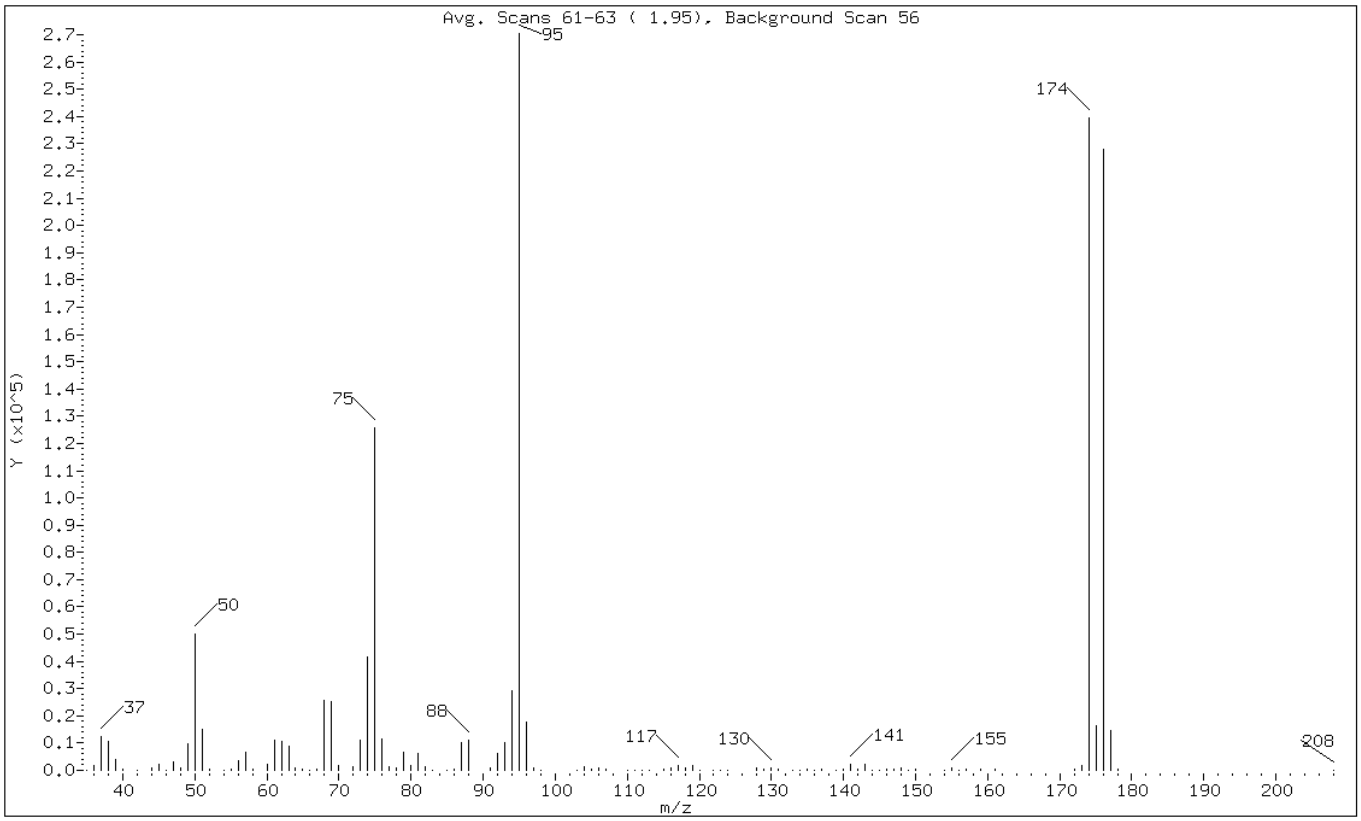
Data File: b25918.d

Date: 24-SEP-2009 17:43

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

1 BFB




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 18.42 |
| 75 | 30.00 - 60.00% of mass 95 | 46.46 |
| 96 | 5.00 - 9.00% of mass 95 | 6.56 |
| 173 | Less than 2.00% of mass 174 | 0.65 ( 0.73) |
| 174 | 50.00 - 100.00% of mass 95 | 88.52 |
| 175 | 5.00 - 9.00% of mass 174 | 6.05 ( 6.84) |
| 176 | 95.00 - 101.00% of mass 174 | 84.36 ( 95.30) |
| 177 | 5.00 - 9.00% of mass 176 | 5.40 ( 6.41) |

Data File: b25918.d

Date: 24-SEP-2009 17:43

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25918.d
Spectrum: Avg. Scans 61-63 ( 1.95), Background Scan 56
Location of Maximum: 95.00
Number of points: 109

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 35.00 | 54 | 67.00 | 550 | 103.00 | 160 | 140.00 | 331 |
| 36.00 | 1936 | 68.00 | 25736 | 104.00 | 1117 | 141.00 | 2389 |
| 37.00 | 12453 | 69.00 | 25056 | 105.00 | 440 | 142.00 | 279 |
| 38.00 | 10529 | 70.00 | 1819 | 106.00 | 854 | 143.00 | 2067 |
| 39.00 | 3965 | 72.00 | 1338 | 107.00 | 250 | 144.00 | 130 |
| 40.00 | 392 | 73.00 | 11105 | 110.00 | 68 | 145.00 | 79 |
| 42.00 | 218 | 74.00 | 41656 | 111.00 | 134 | 146.00 | 359 |
| 44.00 | 791 | 75.00 | 125656 | 112.00 | 82 | 147.00 | 262 |
| 45.00 | 2312 | 76.00 | 11626 | 113.00 | 131 | 148.00 | 806 |
| 46.00 | 77 | 77.00 | 1522 | 115.00 | 333 | 149.00 | 176 |
| 47.00 | 3244 | 78.00 | 915 | 116.00 | 965 | 150.00 | 288 |
| 48.00 | 1094 | 79.00 | 6515 | 117.00 | 1821 | 154.00 | 194 |
| 49.00 | 9913 | 80.00 | 1799 | 118.00 | 1079 | 155.00 | 730 |
| 50.00 | 49816 | 81.00 | 6257 | 119.00 | 1664 | 156.00 | 108 |
| 51.00 | 15171 | 82.00 | 1189 | 120.00 | 41 | 157.00 | 331 |
| 52.00 | 445 | 83.00 | 214 | 122.00 | 39 | 159.00 | 233 |
| 54.00 | 90 | 85.00 | 47 | 123.00 | 34 | 161.00 | 432 |
| 55.00 | 654 | 86.00 | 399 | 124.00 | 153 | 172.00 | 269 |
| 56.00 | 3441 | 87.00 | 10367 | 128.00 | 850 | 173.00 | 1759 |
| 57.00 | 6778 | 88.00 | 11247 | 129.00 | 535 | 174.00 | 239424 |
| 58.00 | 282 | 91.00 | 740 | 130.00 | 1064 | 175.00 | 16373 |
| 60.00 | 2232 | 92.00 | 6328 | 131.00 | 489 | 176.00 | 228160 |
| 61.00 | 11243 | 93.00 | 10371 | 133.00 | 62 | 177.00 | 14616 |
| 62.00 | 10600 | 94.00 | 29280 | 134.00 | 44 | 178.00 | 449 |
| 63.00 | 8887 | 95.00 | 270464 | 135.00 | 557 | 208.00 | 73 |
| 64.00 | 707 | 96.00 | 17744 | 136.00 | 38 | | |
| 65.00 | 433 | 97.00 | 735 | 137.00 | 382 | | |
| 66.00 | 38 | 98.00 | 62 | 139.00 | 54 | | |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.i

Analytical Batch: /chem/VOAMS2.i/8260_09/09-19-09/19sep09.b

Date Generated: 09/21/2009

Page 1

| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/19/09 0659 | b25720.d | 2 | BFB | | 0 | 0 | 1 | all | | 8260 HIGH | G |
| 09/19/09 0722 | b25721.d | 1 | IC-VM8LCAL1 | | 5 | 0 | 1 | all | | 8260 IS: 187152 SURR 500: | (N.U.) |
| 09/19/09 0748 | b25722.d | 2 | IC-VM8LCAL1 | | 5 | 0 | 1 | all | | SURR 250: 187151 GAS 500: | G |
| 09/19/09 0815 | b25723.d | 3 | IC-VM8LCAL2 | | 5 | 0 | 1 | all | | 200474 MIX 1 500: | (N.U.) |
| 09/19/09 0841 | b25724.d | 4 | IC-VM8LCAL2 | | 5 | 0 | 1 | all | | 185441 MIX 2 500: 185455 MIX 3: | G |
| 09/19/09 0908 | b25725.d | 5 | ICIS-VM8LCAL3 | | 5 | 0 | 1 | all | | 185456 AC/AC: 185458 GAS SP: | G |
| 09/19/09 0934 | b25726.d | 6 | IC-VM8LCAL4 | | 5 | 0 | 1 | all | | 200475 8260 SP: 185453 MIX 3 SP: | G |
| 09/19/09 1001 | b25727.d | 7 | IC-VM8LCAL5 | | 5 | 0 | 1 | all | | 185457 AC/AC SP: 185459 MISC: | G |
| 09/19/09 1027 | b25728.d | 8 | IC-VM8LCAL6 | | 5 | 0 | 1 | all | | | G |
| 09/19/09 1054 | b25729.d | 9 | BLK | | 5 | 0 | 1 | all | | M10H | (N.U.) |
| 09/19/09 1120 | b25730.d | 10 | ICV | | 5 | 0 | 1 | all | | G32E79 | G |
| 09/19/09 1147 | b25731.d | 11 | ICV | | 5 | 0 | 1 | all | | | (N.U.) |
| 09/19/09 1213 | b25732.d | 12 | BLK | | 5 | 0 | 1 | all | | | ↓ |

Signed: A. Tupayachi Read and Understood by: Melissa D'Amelio

Date: 9/19/09. Date: 9/21/09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.i

Analytical Batch: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b

Date Generated: 09/25/2009

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# 17930

| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 8260 HIGH | |
| 09/24/09 1743 | b25918.d | 2 | BFB | | 0 | 0 | 1 | all | | 8260 IS: 187152 SURR 500: | G |
| 09/24/09 1814 | b25919.d | 1 | CCVIS | | 5 | 5 | 1 | all | | SURR 250: 187151 GAS 500: | NG fails ↓ |
| 09/24/09 1839 | b25920.d | 2 | CCVIS | | 5 | 5 | 1 | all | | 209646 MIX 1 500: | |
| 09/24/09 1904 | b25921.d | 3 | LCS | | 5 | 5 | 1 | all | | 185441 MIX 2 500: 185455 MIX 3: | G |
| 09/24/09 1930 | b25922.d | 4 | MB | | 5 | 5 | 1 | all | | 185456 AC/AC: 185458 GAS SP: | G |
| 09/24/09 1955 | b25923.d | 5 | MB | | 5 | 5 | 1 | all | | 209647 8260 SP: 185453 MIX 3 SP: | NG C/O |
| 09/24/09 2020 | b25924.d | 6 | 460-5957-C-3 | MW-3 | 5 | 0 | 2 | all | L2 | 185457 AC/AC SP: 185459 MISC: | G |
| 09/24/09 2045 | b25925.d | 7 | 460-5957-C-4 | D092209 | 5 | 0 | 2 | all | L2 | BFB 185461 MeOH | NG STR |
| 09/24/09 2110 | b25926.d | 8 | 460-5957-C-4MS | | 5 | 5 | 10 | all | L2 | 632879 | NG STR |
| 09/24/09 2136 | b25927.d | 9 | 460-5957-C-4MSD | | 5 | 5 | 10 | all | L2 | | G |
| 09/24/09 2201 | b25928.d | 10 | BLK | | 5 | 5 | 1 | all | — | | G |
| 09/24/09 2226 | b25929.d | 11 | 460-5887-A-3 | TB | 5 | 0 | 1 | all | L2 | | — |
| 09/24/09 2251 | b25930.d | 12 | 460-5957-B-5 | FIELD | 5 | 0 | 1 | all | L2 | | G |
| 09/24/09 2317 | b25931.d | 13 | 460-5957-B-6 | TRIP | 5 | 0 | 1 | all | L2 | | G |
| | | | | | | | | | | | G |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.i

Analytical Batch: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b

Date Generated: 09/25/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/24/09 2343 | b25932.d | 14 | 460-5991-C-12 | FB092209 | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0009 | b25933.d | 15 | 460-5991-B-13 | Trip Blank | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0035 | b25934.d | 16 | 460-5957-B-4 | D092209 | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0102 | b25935.d | 17 | 460-5957-B-3 | MW-3 | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0128 | b25936.d | 18 | 460-5887-D-1 | MW-24DR | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0154 | b25937.d | 19 | 460-5887-F-2 | MW-24SR | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0220 | b25938.d | 20 | 460-5903-B-13 | ANS-2552-13 | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0246 | b25939.d | 21 | 460-5957-C-1 | MW-4 | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0313 | b25940.d | 22 | 460-5957-C-2 | MW-2 | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0339 | b25941.d | 23 | 460-5984-C-1 | W-67R | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0405 | b25942.d | 24 | 460-5984-C-2 | MW-67I | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0431 | b25943.d | 25 | 460-5984-C-3 | W-66R | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0457 | b25944.d | 26 | 460-5984-C-4 | W-67D | 5 | 0 | 1 | all | 12 | | G |
| 09/25/09 0523 | b25945.d | 27 | 460-5984-C-5 | W-67 | 5 | 0 | 1 | all | 12 | | G |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.i

Analytical Batch: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b

Date Generated: 09/25/2009

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| Date | Data File | ALS | Sample ID | Client ID | IV/ IW | FV | Dil Fac | Sublist | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/25/09 0549 | b25946.d | 28 | 460-5984-C-6 | W-66D | 5 | 0 | 1 | all | 4.1 | | NH OUT OF CONT |

Signed: Ellie M Read and Understood by: [signature]

Date: 09/25/09 Date: 09/25/09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5887-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-17930/4

Matrix: Water | Lab File ID: b25923.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2009 19:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17930 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 1.0 | U | 1.0 | 0.19 |
| 67-64-1 | Acetone | 10 | U | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 1.0 | U | 1.0 | 0.18 |
| 71-43-2 | Benzene | 1.0 | U | 1.0 | 0.13 |
| 108-88-3 | Toluene | 1.0 | U | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 1.0 | U | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 3.0 | U | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 88 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 89 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 90 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25923.d
Report Date: 24-Sep-2009 20:38

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25923.d
Lab Smp Id: MB
Inj Date : 24-SEP-2009 19:55
Operator : Inst ID: VOAMS2.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/8260_09.m
Meth Date : 24-Sep-2009 19:20 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

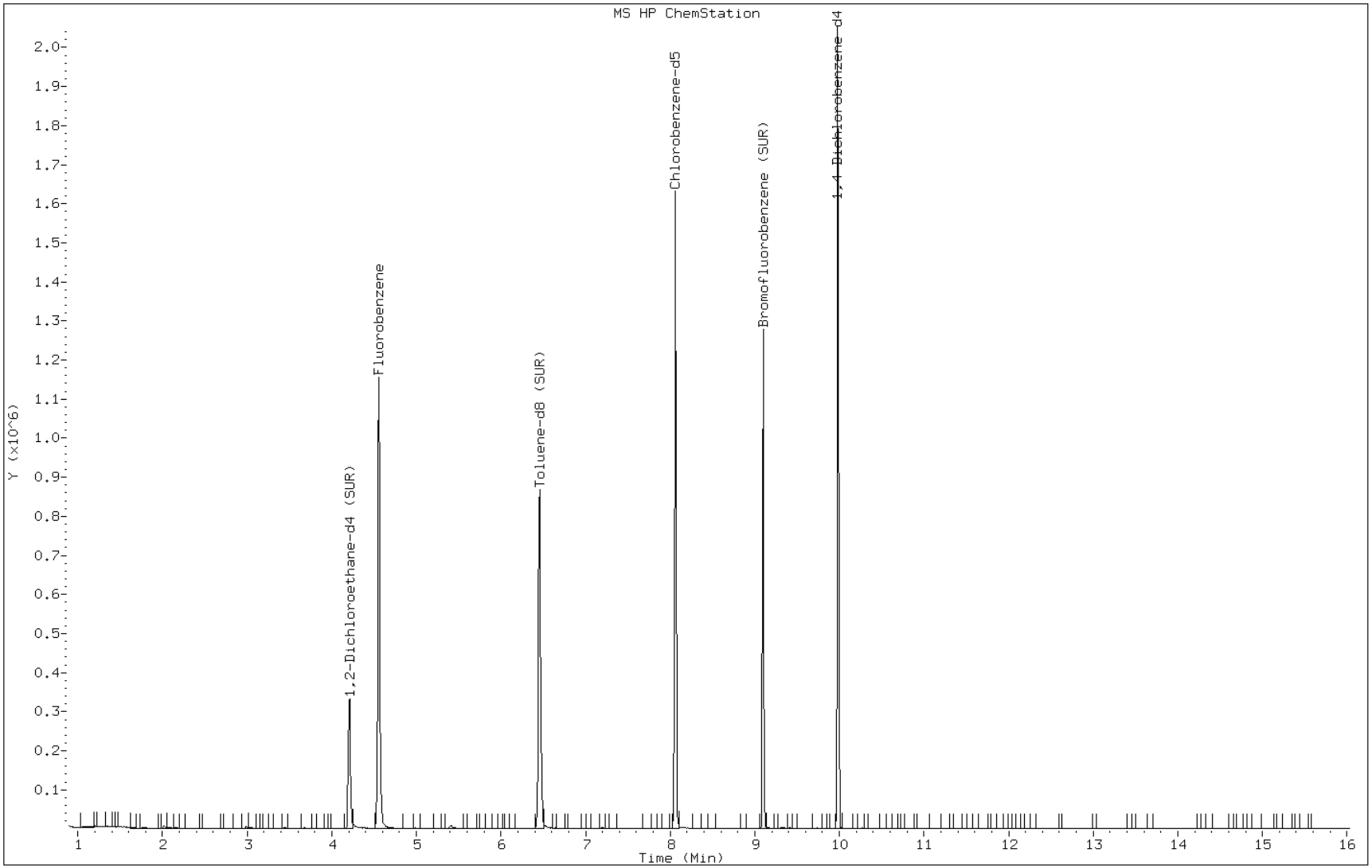
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| $ 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.212 | 4.212 | (0.924) | 212974 | 43.8607 | 44 |
| * 52 Fluorobenzene | 96 | 4.557 | 4.557 | (1.000) | 1004837 | 50.0000 | |
| $ 65 Toluene-d8 (SUR) | 98 | 6.458 | 6.458 | (0.801) | 645918 | 45.1543 | 45 |
| * 78 Chlorobenzene-d5 | 117 | 8.063 | 8.063 | (1.000) | 755868 | 50.0000 | |
| $ 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 258735 | 44.6654 | 45 |
| * 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 374745 | 50.0000 | |

Data File: b25923.d

Date: 24-SEP-2009 19:55

Client ID: Instrument: VOAMS2.i

Sample Info: MB Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-17930/3

Matrix: Water Lab File ID: b25921.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2009 19:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17930 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 19.2 | | 1.0 | 0.19 |
| 67-64-1 | Acetone | 21.0 | | 10 | 2.5 |
| 79-01-6 | Trichloroethene | 18.2 | | 1.0 | 0.18 |
| 71-43-2 | Benzene | 18.5 | | 1.0 | 0.13 |
| 108-88-3 | Toluene | 19.1 | | 1.0 | 0.090 |
| 100-41-4 | Ethylbenzene | 19.3 | | 1.0 | 0.25 |
| 1330-20-7 | Xylenes, Total | 57.9 | | 3.0 | 0.43 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 84 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 88 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25921.d
Report Date: 24-Sep-2009 19:39

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25921.d
Lab Smp Id: LCS
Inj Date : 24-SEP-2009 19:04
Operator : Inst ID: VOAMS2.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/8260_09.m
Meth Date : 24-Sep-2009 19:20 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 70009 | 16.2986 | 16 |
| 3 Chloromethane | 50 | 1.051 | 1.051 | (0.231) | 85464 | 13.5854 | 14 |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.245) | 114184 | 19.4977 | 19 |
| 6 Bromomethane | 94 | 1.339 | 1.339 | (0.294) | 57536 | 19.2374 | 19 |
| 5 Chloroethane | 64 | 1.414 | 1.413 | (0.310) | 63955 | 19.3353 | 19 |
| 7 Trichlorofluoromethane | 101 | 1.586 | 1.586 | (0.348) | 136581 | 18.8896 | 19 |
| 8 n-Pentane | 72 | 1.636 | 1.644 | (0.359) | 14068 | 15.4384 | 15 |
| 10 Isoprene | 67 | 1.809 | 1.808 | (0.397) | 114761 | 16.5681 | 16 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.395) | 80729 | 18.2006 | 18 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 7037 | 35.3998 | 35 |
| 15 1,1-Dichloroethene | 96 | 1.957 | 1.957 | (0.429) | 75048 | 19.7907 | 20 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.429) | 75385 | 15.6753 | 16 |
| 16 Acetone | 58 | 2.023 | 2.022 | (0.444) | 11155 | 20.9884 | 21 |
| 17 Iodomethane | 142 | 2.064 | 2.064 | (0.453) | 104432 | 13.9884 | 14 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25921.d
Report Date: 24-Sep-2009 19:39

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 18 Carbon Disulfide | 76 | 2.097 | 2.097 | (0.460) | 251323 | 15.8347 | 16 |
| | 19 Isopropanol | 45 | 2.154 | 2.146 | (0.473) | 527838 | 2522.88 | 2500 |
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.489) | 40993 | 337.955 | 340 |
| | 27 Methyl Acetate | 74 | 2.269 | 2.261 | (0.498) | 36744 | 18.4491 | 18 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.335 | (0.511) | 97554 | 19.1642 | 19 |
| | 24 TBA | 59 | 2.467 | 2.459 | (0.541) | 133770 | 280.933 | 280 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.541 | 2.541 | (0.558) | 90618 | 18.0259 | 18 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.558) | 43624 | 18.5338 | 18 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.559) | 271288 | 17.4027 | 17 |
| | 29 Hexane | 56 | 2.763 | 2.763 | (0.606) | 56785 | 17.2419 | 17 |
| | 30 1,1-Dichloroethane | 63 | 2.895 | 2.895 | (0.635) | 162324 | 18.6169 | 19 |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.961 | (0.650) | 158449 | 13.0266 | 13 |
| | 32 DIPE | 45 | 2.969 | 2.969 | (0.651) | 272672 | 17.6893 | 18 |
| | 35 t-Butyl-ethyl-ether | 59 | 3.290 | 3.290 | (0.722) | 292830 | 18.2495 | 18 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.397 | (0.745) | 118645 | 18.9244 | 19 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.413 | 3.413 | (0.749) | 107152 | 18.5894 | 18 |
| | 38 2-Butanone | 72 | 3.446 | 3.446 | (0.756) | 13171 | 18.1533 | 18 |
| | 39 Ethyl Acetate | 70 | 3.512 | 3.512 | (0.771) | 22384 | 33.6589 | 34 |
| | 40 Bromochloromethane | 128 | 3.636 | 3.635 | (0.798) | 55415 | 18.4434 | 18 |
| | 41 Tetrahydrofuran | 42 | 3.677 | 3.677 | (0.807) | 32570 | 19.3078 | 19 |
| | 42 Chloroform | 83 | 3.726 | 3.726 | (0.818) | 167643 | 18.7827 | 19 |
| | 43 1,1,1-Trichloroethane | 97 | 3.874 | 3.874 | (0.850) | 126784 | 18.4291 | 18 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.857) | 139764 | 16.5994 | 16 |
| | 45 Carbon Tetrachloride | 117 | 4.031 | 4.030 | (0.884) | 104830 | 16.4174 | 16 |
| | 46 1,1-Dichloropropene | 75 | 4.039 | 4.039 | (0.886) | 117915 | 17.9131 | 18 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.212 | 4.212 | (0.924) | 213105 | 41.7700 | 42 |
| | 48 Benzene | 78 | 4.253 | 4.253 | (0.527) | 375617 | 18.4504 | 18 |
| | 49 1,2-Dichloroethane | 62 | 4.286 | 4.286 | (0.940) | 126476 | 18.2570 | 18 |
| | 50 t-Amyl-methyl-ether | 73 | 4.393 | 4.393 | (0.964) | 280877 | 18.0001 | 18 |
| | 61 Isopropyl Acetate | 43 | 4.393 | 4.393 | (0.964) | 446962 | 34.3501 | 34 |
| * | 52 Fluorobenzene | 96 | 4.557 | 4.557 | (1.000) | 1055782 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.961 | 4.960 | (1.088) | 96059 | 18.2442 | 18 |
| | 53 n-Butanol | 56 | 4.985 | 4.985 | (1.094) | 113188 | 1225.29 | 1200 |
| | 56 Methyl cyclohexane | 83 | 5.150 | 5.150 | (1.130) | 141553 | 16.5132 | 16 |
| | 55 Ethyl Acrylate | 55 | 5.150 | 5.150 | (1.130) | 249502 | 17.8379 | 18 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.144) | 99965 | 18.9267 | 19 |
| | 58 Dibromomethane | 93 | 5.356 | 5.355 | (1.175) | 68616 | 18.5612 | 18 |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.413 | (1.188) | 29191 | 17.1361 | 17 |
| | 75 Propyl Acetate | 43 | 5.512 | 5.512 | (1.209) | 297389 | 34.1650 | 34 |
| | 68 Bromodichloromethane | 83 | 5.570 | 5.569 | (1.222) | 129820 | 18.3985 | 18 |
| | 62 2-Chloroethyl Vinyl Ether | 63 | 5.989 | 5.989 | (1.314) | 74510 | 17.9311 | 18 |
| | 63 Epichlorohydrin | 57 | 6.047 | 6.047 | (0.750) | 174228 | 315.837 | 320 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.129 | 6.129 | (0.760) | 156968 | 19.5131 | 20 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.368 | 6.368 | (0.790) | 95666 | 17.3757 | 17 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.458 | 6.458 | (0.801) | 665476 | 44.0702 | 44 |
| | 66 Toluene | 91 | 6.541 | 6.541 | (0.811) | 409871 | 19.0686 | 19 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.878 | 6.878 | (0.853) | 137669 | 18.0696 | 18 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25921.d
Report Date: 24-Sep-2009 19:39

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 80129 | 19.3082 | 19 |
| | 71 Tetrachloroethene | 166 | 7.199 | 7.199 | (0.893) | 102805 | 19.1858 | 19 |
| | 72 1,3-Dichloropropane | 76 | 7.265 | 7.265 | (0.901) | 161921 | 19.3275 | 19 |
| | 73 2-Hexanone | 43 | 7.405 | 7.405 | (0.918) | 66865 | 16.7602 | 17 |
| | 74 Dibromochloromethane | 129 | 7.503 | 7.503 | (0.931) | 104659 | 19.2785 | 19 |
| | 76 Butyl Acetate | 73 | 7.569 | 7.569 | (0.939) | 59847 | 35.9775 | 36 |
| | 77 1,2-Dibromoethane | 107 | 7.594 | 7.594 | (0.942) | 104004 | 18.9910 | 19 |
| * | 78 Chlorobenzene-d5 | 117 | 8.063 | 8.063 | (1.000) | 797911 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.088 | 8.088 | (1.003) | 259281 | 19.0450 | 19 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.014) | 87865 | 18.9206 | 19 |
| | 81 Ethylbenzene | 106 | 8.211 | 8.211 | (1.018) | 135505 | 19.2812 | 19 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.032) | 331355 | 38.6002 | 39 |
| | 84 o-Xylene | 106 | 8.664 | 8.664 | (1.075) | 161105 | 19.3323 | 19 |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.077) | 285948 | 19.3386 | 19 |
| | 83 Butyl Acrylate | 73 | 8.689 | 8.689 | (1.078) | 82735 | 19.2303 | 19 |
| | 86 Bromoform | 173 | 8.828 | 8.828 | (1.095) | 71181 | 15.9421 | 16 |
| | 87 Amyl Acetate | 43 | 8.886 | 8.886 | (0.890) | 58591 | 20.7477 | 21 |
| | 88 Isopropylbenzene | 105 | 8.985 | 8.985 | (1.114) | 403000 | 20.4289 | 20 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.911) | 263617 | 44.2527 | 44 |
| | 90 Camphene (total) | 93 | 9.166 | 9.166 | (1.137) | 140095 | 18.7380 | 19 |
| | 91 Bromobenzene | 156 | 9.207 | 9.207 | (0.922) | 115606 | 19.4091 | 19 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.248 | 9.248 | (0.926) | 128680 | 19.7470 | 20 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.927) | 38899 | 19.6776 | 20 |
| | 94 trans-1,4-Dichloro-2-butene | 53 | 9.289 | 9.289 | (0.930) | 35332 | 18.0857 | 18 |
| | 95 n-Propylbenzene | 91 | 9.314 | 9.314 | (0.932) | 490646 | 20.2917 | 20 |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.937) | 288283 | 19.8555 | 20 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.946) | 324660 | 19.6678 | 20 |
| | 98 4-Chlorotoluene | 91 | 9.454 | 9.454 | (0.946) | 342204 | 20.1662 | 20 |
| | 99 Butyl Methacrylate | 87 | 9.553 | 9.553 | (0.956) | 119924 | 19.1531 | 19 |
| | 100 tert-Butylbenzene | 119 | 9.701 | 9.701 | (0.971) | 270871 | 19.4178 | 19 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.974) | 330288 | 19.4357 | 19 |
| | 102 2-Octanone | 43 | 9.832 | 9.832 | (0.984) | 130646 | 19.3875 | 19 |
| | 103 sec-Butylbenzene | 105 | 9.865 | 9.865 | (0.988) | 405401 | 20.0161 | 20 |
| | 104 2-Octanol | 45 | 9.898 | 9.898 | (0.991) | 21360 | 7.83119 | 7.8 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.994) | 206534 | 19.6374 | 20 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.998) | 341519 | 19.7978 | 20 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.989 | 9.981 | (1.000) | 385378 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 10.005 | 10.005 | (1.002) | 213683 | 19.6750 | 20 |
| | 110 Benzyl Chloride | 91 | 10.112 | 10.112 | (1.012) | 170986 | 16.5779 | 16 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.028) | 307235 | 19.3419 | 19 |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.269 | (1.028) | 190433 | 19.1323 | 19 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.083) | 16478 | 15.9057 | 16 |
| | 113 Camphor | 95 | 11.314 | 11.314 | (1.133) | 31436 | 66.3112 | 66 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.380 | 11.380 | (1.139) | 103797 | 17.1185 | 17 |
| | 115 Hexachlorobutadiene | 225 | 11.495 | 11.495 | (1.151) | 33609 | 14.4146 | 14 |
| | 116 Naphthalene | 128 | 11.544 | 11.544 | (1.156) | 241607 | 16.2324 | 16 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.171) | 79600 | 15.8994 | 16 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25921.d
Report Date: 24-Sep-2009 19:39

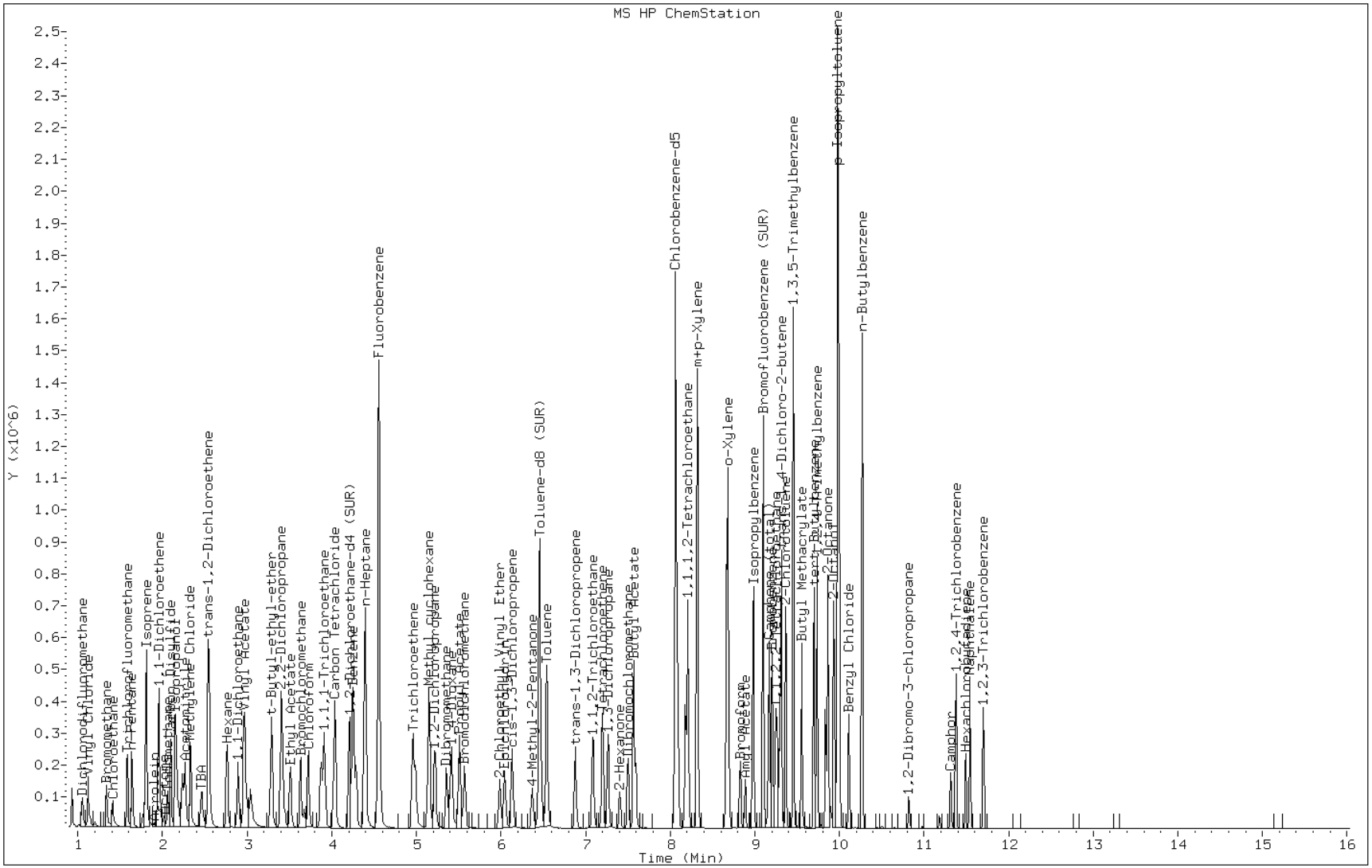
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| M 120 1,2-Dichloroethene (Total) | 100 | | | | 197771 | 36.6537 | 37 |
| M 121 Xylene (Total) | 100 | | | | 492460 | 57.9318 | 58 |

Data File: b25921.d

Date: 24-SEP-2009 19:04

Client ID: Instrument: VOAMS2.i

Sample Info: LCS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5887-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-5957-C-4 MS

Matrix: Water | Lab File ID: b25926.d

Analysis Method: 8260B | Date Collected: 09/22/2009 15:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2009 21:10

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17930 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 193 | | 10 | 1.9 |
| 67-64-1 | Acetone | 221 | | 100 | 25 |
| 79-01-6 | Trichloroethene | 184 | | 10 | 1.8 |
| 71-43-2 | Benzene | 189 | | 10 | 1.3 |
| 108-88-3 | Toluene | 193 | | 10 | 0.90 |
| 100-41-4 | Ethylbenzene | 195 | | 10 | 2.5 |
| 1330-20-7 | Xylenes, Total | 595 | | 30 | 4.3 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 82 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 86 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 87 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25926.d
Report Date: 25-Sep-2009 21:51

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25926.d
Lab Smp Id: 460-5957-C-4MS
Inj Date : 24-SEP-2009 21:10
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5957-C-4MS;10
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/8260_09.m
Meth Date : 24-Sep-2009 19:20 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 8 QC Sample: MS
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 10.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 69778 | 16.4561 | 160 |
| 3 Chloromethane | 50 | 1.052 | 1.051 | (0.231) | 76641 | 12.3414 | 120(R) |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.245) | 107478 | 18.5914 | 180 |
| 6 Bromomethane | 94 | 1.340 | 1.339 | (0.294) | 45399 | 15.3767 | 150 |
| 5 Chloroethane | 64 | 1.414 | 1.413 | (0.310) | 81498 | 24.9596 | 250 |
| 7 Trichlorofluoromethane | 101 | 1.586 | 1.586 | (0.348) | 130233 | 18.2459 | 180 |
| 8 n-Pentane | 72 | 1.644 | 1.644 | (0.361) | 13367 | 14.8597 | 150 |
| 10 Isoprene | 67 | 1.809 | 1.808 | (0.397) | 108346 | 15.8454 | 160 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.395) | 79443 | 18.1436 | 180 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 6529 | 33.2675 | 330 |
| 15 1,1-Dichloroethene | 96 | 1.957 | 1.957 | (0.429) | 74905 | 20.0098 | 200 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.429) | 75014 | 15.8011 | 160 |
| 16 Acetone | 58 | 2.014 | 2.022 | (0.442) | 11606 | 22.1204 | 220 |
| 18 Carbon Disulfide | 76 | 2.097 | 2.097 | (0.460) | 264241 | 16.8652 | 170 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25926.d
Report Date: 25-Sep-2009 21:51

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.489) | 36359 | 303.650 | 3000 |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.496) | 37404 | 19.0246 | 190 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.335 | (0.511) | 97038 | 19.3109 | 190 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 142469 | 303.094 | 3000 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.541 | 2.541 | (0.558) | 88769 | 17.8878 | 180 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.558) | 43207 | 18.5955 | 180 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.559) | 267840 | 17.4051 | 170 |
| | 30 1,1-Dichloroethane | 63 | 2.895 | 2.895 | (0.635) | 160149 | 18.6064 | 190 |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.961 | (0.650) | 167042 | 13.9117 | 140(R) |
| | 32 DIPE | 45 | 2.961 | 2.969 | (0.650) | 266949 | 17.5434 | 180 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.397 | (0.745) | 114964 | 18.5760 | 180 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.413 | 3.413 | (0.749) | 104215 | 18.3150 | 180 |
| | 38 2-Butanone | 72 | 3.446 | 3.446 | (0.756) | 12703 | 17.7358 | 180 |
| | 39 Ethyl Acetate | 70 | 3.512 | 3.512 | (0.771) | 23185 | 35.3171 | 350 |
| | 40 Bromochloromethane | 128 | 3.636 | 3.635 | (0.798) | 54001 | 18.2065 | 180 |
| | 42 Chloroform | 83 | 3.726 | 3.726 | (0.818) | 166447 | 18.8913 | 190 |
| | 43 1,1,1-Trichloroethane | 97 | 3.874 | 3.874 | (0.850) | 126694 | 18.6556 | 190 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.857) | 142027 | 17.0877 | 170 |
| | 45 Carbon Tetrachloride | 117 | 4.031 | 4.030 | (0.884) | 105344 | 16.7126 | 170 |
| | 46 1,1-Dichloropropene | 75 | 4.039 | 4.039 | (0.886) | 119818 | 18.4391 | 180 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.204 | 4.212 | (0.922) | 207316 | 41.1641 | 41 |
| | 48 Benzene | 78 | 4.253 | 4.253 | (0.527) | 377499 | 18.9220 | 190 |
| | 49 1,2-Dichloroethane | 62 | 4.286 | 4.286 | (0.940) | 124285 | 18.1742 | 180 |
| | 61 Isopropyl Acetate | 43 | 4.393 | 4.393 | (0.964) | 439941 | 34.2505 | 340 |
| * | 52 Fluorobenzene | 96 | 4.557 | 4.557 | (1.000) | 1042218 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.960 | (1.087) | 95775 | 18.4268 | 180 |
| | 56 Methyl cyclohexane | 83 | 5.150 | 5.150 | (1.130) | 143537 | 16.9626 | 170 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.144) | 99874 | 19.1554 | 190 |
| | 58 Dibromomethane | 93 | 5.356 | 5.355 | (1.175) | 67190 | 18.4118 | 180 |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.413 | (1.188) | 29212 | 17.3715 | 170 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.512 | (1.208) | 291694 | 33.9468 | 340 |
| | 68 Bromodichloromethane | 83 | 5.570 | 5.569 | (1.222) | 128606 | 18.4637 | 180 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.129 | 6.129 | (0.760) | 147694 | 18.7356 | 190 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.368 | 6.368 | (0.790) | 95479 | 17.6963 | 180 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.458 | 6.458 | (0.801) | 646918 | 43.7172 | 44 |
| | 66 Toluene | 91 | 6.541 | 6.541 | (0.811) | 407445 | 19.3433 | 190 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.878 | 6.878 | (0.853) | 133642 | 17.8996 | 180 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 78958 | 19.4148 | 190 |
| | 71 Tetrachloroethene | 166 | 7.199 | 7.199 | (0.893) | 102001 | 19.4250 | 190 |
| | 72 1,3-Dichloropropane | 76 | 7.265 | 7.265 | (0.901) | 156898 | 19.1108 | 190 |
| | 73 2-Hexanone | 43 | 7.405 | 7.405 | (0.918) | 67151 | 17.1760 | 170 |
| | 74 Dibromochloromethane | 129 | 7.504 | 7.503 | (0.931) | 101323 | 19.0456 | 190 |
| | 76 Butyl Acetate | 73 | 7.569 | 7.569 | (0.939) | 58943 | 36.1584 | 360 |
| | 77 1,2-Dibromoethane | 107 | 7.594 | 7.594 | (0.942) | 101002 | 18.8199 | 190 |
| * | 78 Chlorobenzene-d5 | 117 | 8.063 | 8.063 | (1.000) | 781923 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.088 | 8.088 | (1.003) | 257938 | 19.3337 | 190 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.014) | 86055 | 18.9096 | 190 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25926.d
Report Date: 25-Sep-2009 21:51

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 81 Ethylbenzene | 106 | 8.203 | 8.211 | (1.017) | 134485 | 19.5272 | 200 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.032) | 336526 | 40.0041 | 400 |
| | 84 o-Xylene | 106 | 8.664 | 8.664 | (1.075) | 159059 | 19.4770 | 190 |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.077) | 282023 | 19.4631 | 190 |
| | 86 Bromoform | 173 | 8.829 | 8.828 | (1.095) | 68138 | 15.5724 | 160 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.985 | (1.113) | 420372 | 21.7452 | 220 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 258541 | 42.8945 | 43 |
| | 91 Bromobenzene | 156 | 9.207 | 9.207 | (0.922) | 115047 | 19.0899 | 190 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.248 | 9.248 | (0.927) | 131332 | 19.9190 | 200 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 38155 | 19.0761 | 190 |
| | 95 n-Propylbenzene | 91 | 9.314 | 9.314 | (0.933) | 518450 | 21.1916 | 210 |
| | 96 2-Chlorotoluene | 91 | 9.364 | 9.363 | (0.938) | 287618 | 19.5787 | 200 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 324157 | 19.4083 | 190 |
| | 98 4-Chlorotoluene | 91 | 9.454 | 9.454 | (0.947) | 342994 | 19.9771 | 200 |
| | 100 tert-Butylbenzene | 119 | 9.701 | 9.701 | (0.972) | 266245 | 18.8636 | 190 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 332081 | 19.3133 | 190 |
| | 103 sec-Butylbenzene | 105 | 9.866 | 9.865 | (0.988) | 406633 | 19.8429 | 200 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 202849 | 19.0621 | 190 |
| | 107 p-Isopropyltoluene | 119 | 9.973 | 9.972 | (0.999) | 340914 | 19.5323 | 200 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 389924 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 10.005 | (1.002) | 211905 | 19.2838 | 190 |
| | 110 Benzyl Chloride | 91 | 10.112 | 10.112 | (1.013) | 161586 | 15.4838 | 150 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 316379 | 19.6853 | 200 |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.269 | (1.029) | 188164 | 18.6839 | 190 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 17159 | 16.3697 | 160 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.380 | 11.380 | (1.140) | 107469 | 17.5173 | 180 |
| | 115 Hexachlorobutadiene | 225 | 11.495 | 11.495 | (1.152) | 34235 | 14.5117 | 140 |
| | 116 Naphthalene | 128 | 11.544 | 11.544 | (1.157) | 260096 | 17.2708 | 170 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 84467 | 16.6747 | 170 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 192984 | 36.2319 | 360 |
| M | 121 Xylene (Total) | 100 | | | | 495585 | 59.4914 | 590 |

QC Flag Legend

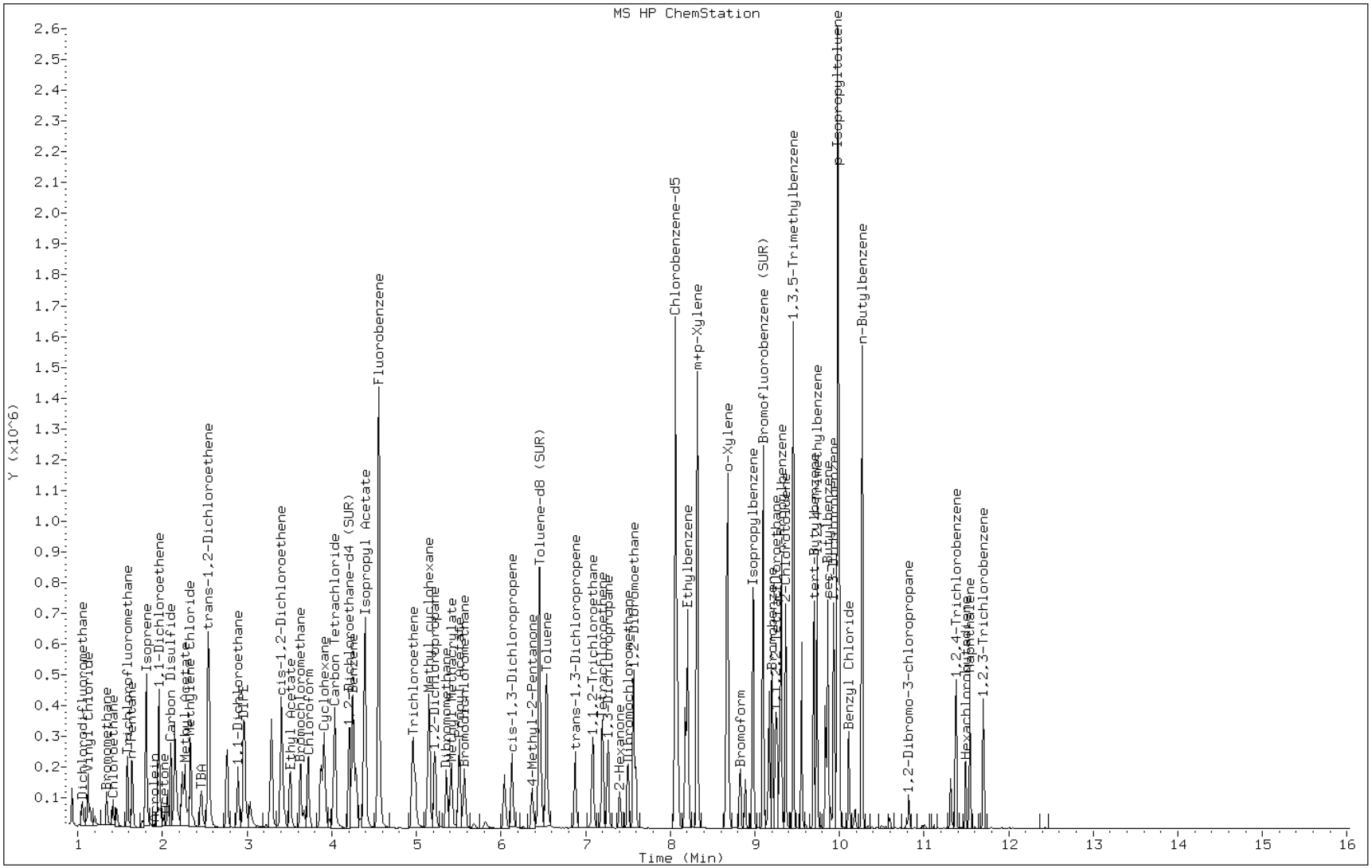
R - Spike/Surrogate failed recovery limits.

Data File: b25926.d

Date: 24-SEP-2009 21:10

Client ID: Instrument: VOAMS2.i

Sample Info: 460-5957-C-4MS;10 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5887-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-5957-C-4 MSD

Matrix: Water | Lab File ID: b25927.d

Analysis Method: 8260B | Date Collected: 09/22/2009 15:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/24/2009 21:36

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17930 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 75-09-2 | Methylene Chloride | 197 | | 10 | 1.9 |
| 67-64-1 | Acetone | 213 | | 100 | 25 |
| 79-01-6 | Trichloroethene | 190 | | 10 | 1.8 |
| 71-43-2 | Benzene | 193 | | 10 | 1.3 |
| 108-88-3 | Toluene | 199 | | 10 | 0.90 |
| 100-41-4 | Ethylbenzene | 199 | | 10 | 2.5 |
| 1330-20-7 | Xylenes, Total | 606 | | 30 | 4.3 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 83 | 70-122 | |
| 460-00-4 | Bromofluorobenzene | 87 | 69-135 | |
| 2037-26-5 | Toluene-d8 (Surr) | 88 | 69-125 | |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25927.d
Report Date: 25-Sep-2009 21:51

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25927.d
Lab Smp Id: 460-5957-C-4MSD
Inj Date : 24-SEP-2009 21:36
Operator : Inst ID: VOAMS2.i
Smp Info : 460-5957-C-4MSD;10
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/8260_09.m
Meth Date : 24-Sep-2009 19:20 eddie Quant Type: ISTD
Cal Date : 19-SEP-2009 10:27 Cal File: b25728.d
Als bottle: 9 QC Sample: MSD
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 10.00000 | Dilution Factor |
| Vt | 5.00000 | Volume of final extract (mL) |
| Ws | 5.00000 | Weight of sample extracted (g) |
| M | 0.00000 | % Moisture (not decanted) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 2 Dichlorodifluoromethane | 85 | 0.928 | 0.928 | (0.204) | 71327 | 16.8214 | 170 |
| 3 Chloromethane | 50 | 1.051 | 1.051 | (0.231) | 81926 | 13.1924 | 130(R) |
| 4 Vinyl Chloride | 62 | 1.117 | 1.117 | (0.245) | 112418 | 19.4459 | 190 |
| 6 Bromomethane | 94 | 1.339 | 1.339 | (0.294) | 51351 | 17.3926 | 170 |
| 5 Chloroethane | 64 | 1.414 | 1.413 | (0.310) | 81938 | 25.0943 | 250 |
| 7 Trichlorofluoromethane | 101 | 1.586 | 1.586 | (0.348) | 134411 | 18.8312 | 190 |
| 8 n-Pentane | 72 | 1.644 | 1.644 | (0.361) | 13581 | 15.0975 | 150 |
| 10 Isoprene | 67 | 1.809 | 1.808 | (0.397) | 112314 | 16.4257 | 160 |
| 11 Ethyl Ether | 59 | 1.800 | 1.800 | (0.395) | 80569 | 18.4007 | 180 |
| 13 Acrolein | 56 | 1.899 | 1.899 | (0.417) | 7010 | 35.7183 | 360 |
| 15 1,1-Dichloroethene | 96 | 1.957 | 1.957 | (0.429) | 76907 | 20.5446 | 200 |
| 14 Freon TF | 101 | 1.957 | 1.957 | (0.429) | 76362 | 16.0850 | 160 |
| 16 Acetone | 58 | 2.014 | 2.022 | (0.442) | 11168 | 21.2856 | 210 |
| 18 Carbon Disulfide | 76 | 2.097 | 2.097 | (0.460) | 264592 | 16.8876 | 170 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25927.d
Report Date: 25-Sep-2009 21:51

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 21 Acetonitrile | 39 | 2.228 | 2.228 | (0.489) | 33040 | 275.931 | 2800(R) |
| | 27 Methyl Acetate | 74 | 2.261 | 2.261 | (0.496) | 37309 | 18.9763 | 190 |
| | 22 Methylene Chloride | 84 | 2.327 | 2.335 | (0.511) | 98807 | 19.6629 | 200 |
| | 24 TBA | 59 | 2.459 | 2.459 | (0.540) | 137584 | 292.701 | 2900 |
| | 25 trans-1,2-Dichloroethene | 96 | 2.541 | 2.541 | (0.558) | 92653 | 18.6704 | 190 |
| | 26 Acrylonitrile | 53 | 2.541 | 2.541 | (0.558) | 44396 | 19.1072 | 190 |
| | 28 MTBE | 73 | 2.549 | 2.549 | (0.559) | 274106 | 17.8122 | 180 |
| | 30 1,1-Dichloroethane | 63 | 2.895 | 2.895 | (0.635) | 163747 | 19.0244 | 190 |
| | 31 Vinyl Acetate | 43 | 2.961 | 2.961 | (0.650) | 174622 | 14.5429 | 140 |
| | 32 DIPE | 45 | 2.961 | 2.969 | (0.650) | 274322 | 18.0279 | 180 |
| | 37 2,2-Dichloropropane | 77 | 3.397 | 3.397 | (0.745) | 117281 | 18.9503 | 190 |
| | 36 cis-1,2-Dichloroethene | 96 | 3.413 | 3.413 | (0.749) | 107338 | 18.8638 | 190 |
| | 38 2-Butanone | 72 | 3.446 | 3.446 | (0.756) | 12848 | 17.9382 | 180 |
| | 39 Ethyl Acetate | 70 | 3.512 | 3.512 | (0.771) | 22935 | 34.9362 | 350 |
| | 40 Bromochloromethane | 128 | 3.636 | 3.635 | (0.798) | 54965 | 18.5314 | 180 |
| | 42 Chloroform | 83 | 3.726 | 3.726 | (0.818) | 169783 | 19.2699 | 190 |
| | 43 1,1,1-Trichloroethane | 97 | 3.874 | 3.874 | (0.850) | 130154 | 19.1650 | 190 |
| | 44 Cyclohexane | 56 | 3.907 | 3.907 | (0.857) | 148893 | 17.9137 | 180 |
| | 45 Carbon Tetrachloride | 117 | 4.031 | 4.030 | (0.884) | 108220 | 17.1688 | 170 |
| | 46 1,1-Dichloropropene | 75 | 4.039 | 4.039 | (0.886) | 122030 | 18.7794 | 190 |
| $ | 47 1,2-Dichloroethane-d4 (SUR) | 65 | 4.203 | 4.212 | (0.922) | 208693 | 41.4375 | 41 |
| | 48 Benzene | 78 | 4.253 | 4.253 | (0.527) | 384547 | 19.2817 | 190 |
| | 49 1,2-Dichloroethane | 62 | 4.286 | 4.286 | (0.940) | 125782 | 18.3931 | 180 |
| | 61 Isopropyl Acetate | 43 | 4.393 | 4.393 | (0.964) | 447487 | 34.8379 | 350 |
| * | 52 Fluorobenzene | 96 | 4.557 | 4.557 | (1.000) | 1042220 | 50.0000 | |
| | 54 Trichloroethene | 95 | 4.952 | 4.960 | (1.087) | 98873 | 19.0228 | 190 |
| | 56 Methyl cyclohexane | 83 | 5.150 | 5.150 | (1.130) | 148382 | 17.5351 | 180 |
| | 57 1,2-Dichloropropane | 63 | 5.216 | 5.216 | (1.144) | 100996 | 19.3706 | 190 |
| | 58 Dibromomethane | 93 | 5.356 | 5.355 | (1.175) | 67807 | 18.5809 | 180 |
| | 59 Methyl Methacrylate | 100 | 5.413 | 5.413 | (1.188) | 29314 | 17.4321 | 170 |
| | 75 Propyl Acetate | 43 | 5.504 | 5.512 | (1.208) | 284638 | 33.1256 | 330 |
| | 68 Bromodichloromethane | 83 | 5.570 | 5.569 | (1.222) | 130690 | 18.7628 | 190 |
| | 67 cis-1,3-Dichloropropene | 75 | 6.129 | 6.129 | (0.760) | 152328 | 19.3298 | 190 |
| | 70 4-Methyl-2-Pentanone | 43 | 6.368 | 6.368 | (0.790) | 97090 | 18.0009 | 180 |
| $ | 65 Toluene-d8 (SUR) | 98 | 6.458 | 6.458 | (0.801) | 650333 | 43.9625 | 44 |
| | 66 Toluene | 91 | 6.541 | 6.541 | (0.811) | 418276 | 19.8641 | 200 |
| | 64 trans-1,3-Dichloropropene | 75 | 6.878 | 6.878 | (0.853) | 134073 | 17.9632 | 180 |
| | 69 1,1,2-Trichloroethane | 83 | 7.084 | 7.084 | (0.879) | 80699 | 19.8495 | 200 |
| | 71 Tetrachloroethene | 166 | 7.199 | 7.199 | (0.893) | 106299 | 20.2502 | 200 |
| | 72 1,3-Dichloropropane | 76 | 7.265 | 7.265 | (0.901) | 160668 | 19.5765 | 200 |
| | 73 2-Hexanone | 43 | 7.405 | 7.405 | (0.918) | 66823 | 17.0977 | 170 |
| | 74 Dibromochloromethane | 129 | 7.504 | 7.503 | (0.931) | 102707 | 19.3121 | 190 |
| | 76 Butyl Acetate | 73 | 7.569 | 7.569 | (0.939) | 60161 | 36.9178 | 370 |
| | 77 1,2-Dibromoethane | 107 | 7.594 | 7.594 | (0.942) | 104089 | 19.4015 | 190 |
| * | 78 Chlorobenzene-d5 | 117 | 8.063 | 8.063 | (1.000) | 781665 | 50.0000 | |
| | 79 Chlorobenzene | 112 | 8.088 | 8.088 | (1.003) | 262342 | 19.6703 | 200 |
| | 80 1,1,1,2-Tetrachloroethane | 131 | 8.178 | 8.178 | (1.014) | 88502 | 19.4537 | 190 |

Data File: /chem/VOAMS2.i/8260_09/09-19-09/24sep09a.b/b25927.d
Report Date: 25-Sep-2009 21:51

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 81 Ethylbenzene | 106 | 8.211 | 8.211 | (1.018) | 136773 | 19.8660 | 200 |
| | 82 m+p-Xylene | 106 | 8.318 | 8.318 | (1.032) | 340890 | 40.5363 | 400 |
| | 84 o-Xylene | 106 | 8.664 | 8.664 | (1.075) | 163546 | 20.0330 | 200 |
| | 85 Styrene | 104 | 8.680 | 8.680 | (1.077) | 289413 | 19.9797 | 200 |
| | 86 Bromoform | 173 | 8.829 | 8.828 | (1.095) | 68903 | 15.7524 | 160 |
| | 88 Isopropylbenzene | 105 | 8.977 | 8.985 | (1.113) | 426854 | 22.0878 | 220 |
| $ | 89 Bromofluorobenzene (SUR) | 174 | 9.100 | 9.100 | (0.912) | 258979 | 43.4637 | 43 |
| | 91 Bromobenzene | 156 | 9.207 | 9.207 | (0.922) | 116465 | 19.5486 | 200 |
| | 92 1,1,2,2-Tetrachloroethane | 83 | 9.248 | 9.248 | (0.927) | 132246 | 20.2894 | 200 |
| | 93 1,2,3-Trichloropropane | 110 | 9.265 | 9.265 | (0.928) | 38078 | 19.2576 | 190 |
| | 95 n-Propylbenzene | 91 | 9.314 | 9.314 | (0.933) | 522920 | 21.6213 | 220 |
| | 96 2-Chlorotoluene | 91 | 9.363 | 9.363 | (0.938) | 290249 | 19.9862 | 200 |
| | 97 1,3,5-Trimethylbenzene | 105 | 9.454 | 9.454 | (0.947) | 330856 | 20.0384 | 200 |
| | 98 4-Chlorotoluene | 91 | 9.454 | 9.454 | (0.947) | 347311 | 20.4623 | 200 |
| | 100 tert-Butylbenzene | 119 | 9.701 | 9.701 | (0.972) | 275119 | 19.7176 | 200 |
| | 101 1,2,4-Trimethylbenzene | 105 | 9.734 | 9.734 | (0.975) | 341392 | 20.0843 | 200 |
| | 103 sec-Butylbenzene | 105 | 9.865 | 9.865 | (0.988) | 423737 | 20.9165 | 210 |
| | 105 1,3-Dichlorobenzene | 146 | 9.931 | 9.931 | (0.995) | 206721 | 19.6505 | 200 |
| | 107 p-Isopropyltoluene | 119 | 9.972 | 9.972 | (0.999) | 350024 | 20.2860 | 200 |
| * | 108 1,4-Dichlorobenzene-d4 | 152 | 9.981 | 9.981 | (1.000) | 385469 | 50.0000 | |
| | 109 1,4-Dichlorobenzene | 146 | 9.997 | 10.005 | (1.002) | 217635 | 20.0341 | 200 |
| | 110 Benzyl Chloride | 91 | 10.112 | 10.112 | (1.013) | 161160 | 15.6215 | 160 |
| | 106 n-Butylbenzene | 91 | 10.269 | 10.269 | (1.029) | 323477 | 20.3596 | 200 |
| | 111 1,2-Dichlorobenzene | 146 | 10.269 | 10.269 | (1.029) | 190845 | 19.1691 | 190 |
| | 112 1,2-Dibromo-3-chloropropane | 75 | 10.820 | 10.820 | (1.084) | 16774 | 16.1874 | 160 |
| | 114 1,2,4-Trichlorobenzene | 180 | 11.380 | 11.380 | (1.140) | 108456 | 17.8825 | 180 |
| | 115 Hexachlorobutadiene | 225 | 11.495 | 11.495 | (1.152) | 34451 | 14.7720 | 150 |
| | 116 Naphthalene | 128 | 11.544 | 11.544 | (1.157) | 252877 | 16.9855 | 170 |
| | 117 1,2,3-Trichlorobenzene | 180 | 11.701 | 11.701 | (1.172) | 84076 | 16.7894 | 170 |
| M | 120 1,2-Dichloroethene (Total) | 100 | | | | 199991 | 37.5474 | 380 |
| M | 121 Xylene (Total) | 100 | | | | 504436 | 60.5739 | 600 |

QC Flag Legend

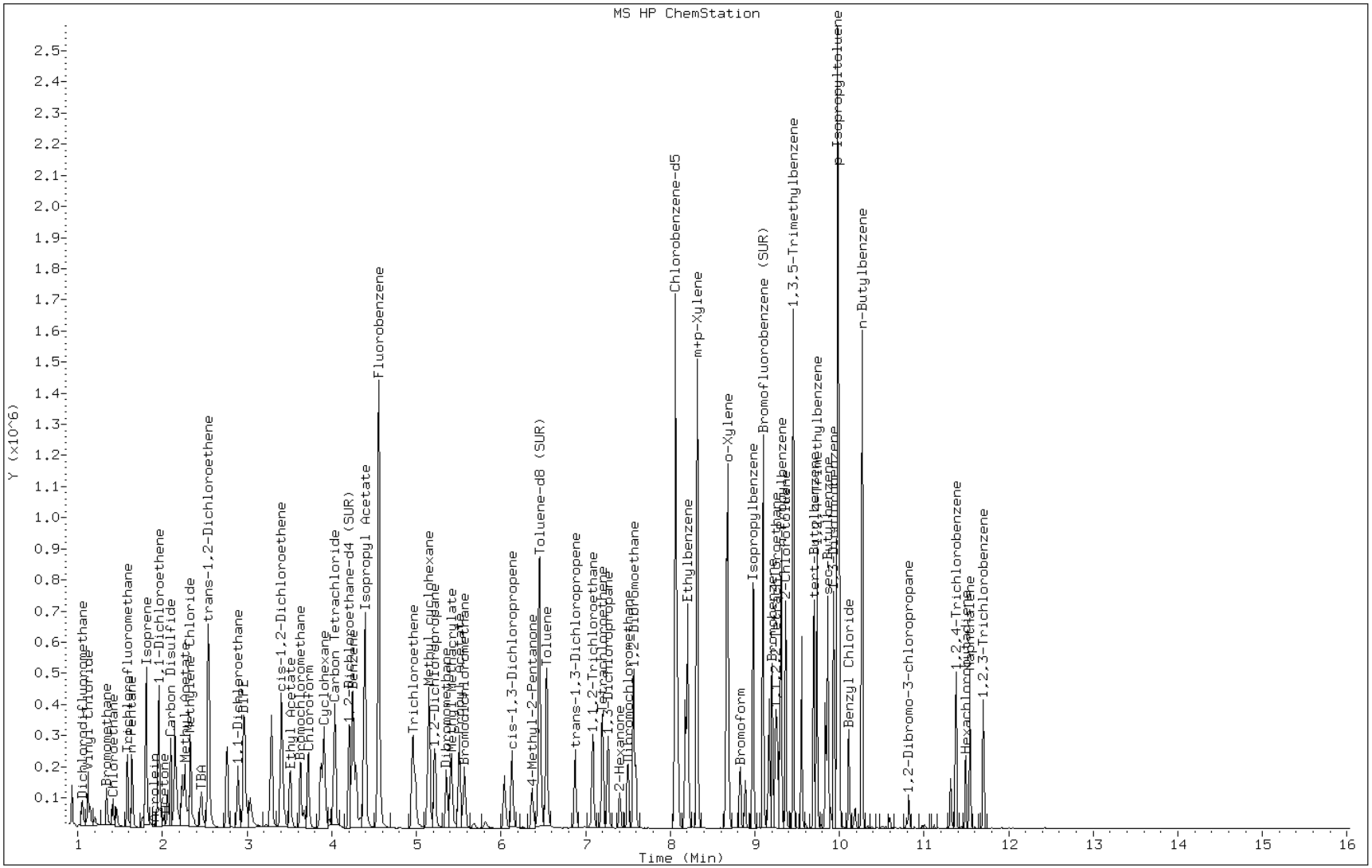
R - Spike/Surrogate failed recovery limits.

Data File: b25927.d

Date: 24-SEP-2009 21:36

Client ID: Instrument: VOAMS2.i

Sample Info: 460-5957-C-4MSD;10 Operator:



# GC/MS SEMI VOA

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-5MS ID: 0.25 (mm)

| Client Sample ID | Lab Sample ID | 2FP # | PHL # | NBZ # | FBP # | TBP # | TPH # |
|---|---|---|---|---|---|---|---|
| MW-24DR | 460-5887-1 | 42 | 27 | 99 | 90 | 94 | 91 |
| MW-24SR | 460-5887-2 | 41 | 26 | 92 | 86 | 89 | 77 |
| | MB 460-17565/1-A | 45 | 31 | 97 | 88 | 90 | 94 |
| | LCS 460-17565/2-A | 47 | 30 | 99 | 93 | 96 | 89 |
| | LCSD 460-17565/3-A | 44 | 28 | 94 | 90 | 90 | 83 |

| | QC LIMITS |
|---|---|
| 2FP = 2-Fluorophenol | 15-57 |
| PHL = Phenol-d5 | 10-41 |
| NBZ = Nitrobenzene-d5 | 69-120 |
| FBP = 2-Fluorobiphenyl | 64-119 |
| TBP = 2,4,6-Tribromophenol | 69-127 |
| TPH = Terphenyl-d14 | 38-141 |

# Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z4093.d

Lab ID: LCS 460-17565/2-A Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Aniline | 100 | 74.0 | 74 | 45-90 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z4094.d

Lab ID: LCSD 460-17565/3-A Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Aniline | 100 | 66.7 | 67 | 10 | 30 | 45-90 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab File ID: z4092.d Lab Sample ID: MB 460-17565/1-A

Matrix: Water Date Extracted: 09/22/2009 07:22

Instrument ID: BNAMS11 Date Analyzed: 09/22/2009 20:15

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 460-17565/2-A | z4093.d | 09/22/2009 20:40 |
| | LCSD 460-17565/3-A | z4094.d | 09/22/2009 21:05 |
| MW-24DR | 460-5887-1 | z4104.d | 09/23/2009 01:11 |
| MW-24SR | 460-5887-2 | z4105.d | 09/23/2009 01:36 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab File ID: z4009.d DFTPP Injection Date: 09/21/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 00:31

Analysis Batch No.: 17499

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 39.4 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 37.5 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 48.9 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.4 | |
| 275 | 10.0 - 30.0 % of mass 198 | 26.0 | |
| 365 | Greater than 1.0 % of mass 198 | 2.6 | |
| 441 | Present but less than mass 443 | 12.4 | |
| 442 | Greater than 40.0 % of mass 198 | 90.1 | |
| 443 | 17.0 - 23.0 % of mass 442 | 17.3 | (19.2)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | ICIS 460-17499/2 | z4010.d | 09/21/2009 | 01:32 |
| | IC 460-17499/3 | z4011.d | 09/21/2009 | 02:22 |
| | IC 460-17499/4 | z4012.d | 09/21/2009 | 02:46 |
| | IC 460-17499/5 | z4013.d | 09/21/2009 | 03:10 |
| | IC 460-17499/6 | z4014.d | 09/21/2009 | 03:34 |
| | IC 460-17499/7 | z4015.d | 09/21/2009 | 03:58 |

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab File ID: z4079.d DFTPP Injection Date: 09/22/2009

Instrument ID: BNAMS11 DFTPP Injection Time: 14:29

Analysis Batch No.: 17774

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---|---|---|---|
| 51 | 30.0 - 60.0 % of mass 198 | 40.3 | |
| 68 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 69 | Mass 69 relative abundance | 37.4 | |
| 70 | Less than 2.0 % of mass 69 | 0.0 | (0.0)1 |
| 127 | 40.0 - 60.0 % of mass 198 | 52.0 | |
| 197 | Less than 1.0 % of mass 198 | 0.0 | |
| 198 | Base Peak, 100 % relative abundance | 100.0 | |
| 199 | 5.0- 9.0 % of mass 198 | 6.9 | |
| 275 | 10.0 - 30.0 % of mass 198 | 26.7 | |
| 365 | Greater than 1.0 % of mass 198 | 2.1 | |
| 441 | Present but less than mass 443 | 13.5 | |
| 442 | Greater than 40.0 % of mass 198 | 90.5 | |
| 443 | 17.0 - 23.0 % of mass 442 | 17.5 | (19.3)2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| | CCVIS 460-17774/2 | z4081.d | 09/22/2009 | 15:25 |
| | MB 460-17565/1-A | z4092.d | 09/22/2009 | 20:15 |
| | LCS 460-17565/2-A | z4093.d | 09/22/2009 | 20:40 |
| | LCSD 460-17565/3-A | z4094.d | 09/22/2009 | 21:05 |
| MW-24DR | 460-5887-1 | z4104.d | 09/23/2009 | 01:11 |
| MW-24SR | 460-5887-2 | z4105.d | 09/23/2009 | 01:36 |

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Sample No.: CCVIS 460-17774/2 Date Analyzed: 09/22/2009 15:25

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4081.d Heated Purge: (Y/N) N

| | | DCB | | NPT | | ANT | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 355361 | 4.31 | 1261584 | 5.59 | 585018 | 7.35 |
| UPPER LIMIT | | 710722 | 4.81 | 2523168 | 6.09 | 1170036 | 7.85 |
| LOWER LIMIT | | 177681 | 3.81 | 630792 | 5.09 | 292509 | 6.85 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 460-17565/1-A | | 424152 | 4.30 | 1583283 | 5.59 | 785056 | 7.34 |
| LCS 460-17565/2-A | | 405748 | 4.30 | 1426993 | 5.59 | 659391 | 7.35 |
| LCSD 460-17565/3-A | | 386711 | 4.30 | 1372294 | 5.59 | 626112 | 7.35 |
| 460-5887-1 | MW-24DR | 354393 | 4.30 | 1263819 | 5.59 | 616467 | 7.34 |
| 460-5887-2 | MW-24SR | 383846 | 4.30 | 1355084 | 5.59 | 640861 | 7.34 |

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Sample No.: CCVIS 460-17774/2 Date Analyzed: 09/22/2009 15:25

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z4081.d Heated Purge: (Y/N) N

| | | PHN | | CRY | | PRY | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| 12 HOUR STD | | 700802 | 8.80 | 340619 | 11.56 | 212921 | 13.46 |
| UPPER LIMIT | | 1401604 | 9.30 | 681238 | 12.06 | 425842 | 13.96 |
| LOWER LIMIT | | 350401 | 8.30 | 170310 | 11.06 | 106461 | 12.96 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 460-17565/1-A | | 1025717 | 8.80 | 501658 | 11.55 | 286461 | 13.46 |
| LCS 460-17565/2-A | | 797900 | 8.80 | 396022 | 11.56 | 266754 | 13.46 |
| LCSD 460-17565/3-A | | 737788 | 8.80 | 365085 | 11.56 | 246889 | 13.46 |
| 460-5887-1 | MW-24DR | 806829 | 8.80 | 428817 | 11.55 | 255027 | 13.46 |
| 460-5887-2 | MW-24SR | 812952 | 8.80 | 452461 | 11.55 | 274968 | 13.46 |

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5887-1

SDG No.:

Client Sample ID: MW-24DR | Lab Sample ID: 460-5887-1

Matrix: Water | Lab File ID: z4104.d

Analysis Method: 8270C | Date Collected: 09/18/2009 09:30

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/23/2009 01:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 90 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 42 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 99 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 27 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 91 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 94 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4104.d
Report Date: 23-Sep-2009 12:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4104.d
Lab Smp Id: 460-5887-H-1-A  Client Smp ID: MW-24DR
Inj Date  : 23-SEP-2009 01:11
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5887-H-1-A
Misc Info : 460-5887-H-1-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom  Quant Type: ISTD
Cal Date  : 22-SEP-2009 15:25  Cal File: z4081.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.681 | 1.651 | (0.391) | 1192 | 0.23182 | 0.46(aH) |
| $ 16 2-Fluorophenol (SUR) | 112 | 3.028 | 3.028 | (0.703) | 255045 | 21.2496 | 42 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.934 | 3.957 | (0.914) | 176913 | 13.6183 | 27 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 354393 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.475 | 4.481 | (1.040) | 2337 | 0.17493 | 0.35(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.863 | 4.869 | (0.870) | 597390 | 49.4830 | 99 |
| * 80 Naphthalene-d8 | 136 | 5.587 | 5.592 | (1.000) | 1263819 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 985490 | 44.8755 | 90 |
| * 82 Acenaphthene-d10 | 164 | 7.339 | 7.345 | (1.000) | 616467 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.116 | 8.122 | (1.106) | 102072 | 47.1963 | 94 |
| * 83 Phenanthrene-d10 | 188 | 8.798 | 8.804 | (1.000) | 806829 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.375 | 10.380 | (0.898) | 633184 | 45.3033 | 91 |
| * 81 Chrysene-d12 | 240 | 11.551 | 11.557 | (1.000) | 428817 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 255027 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4104.d
Report Date: 23-Sep-2009 12:40

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z4104.d

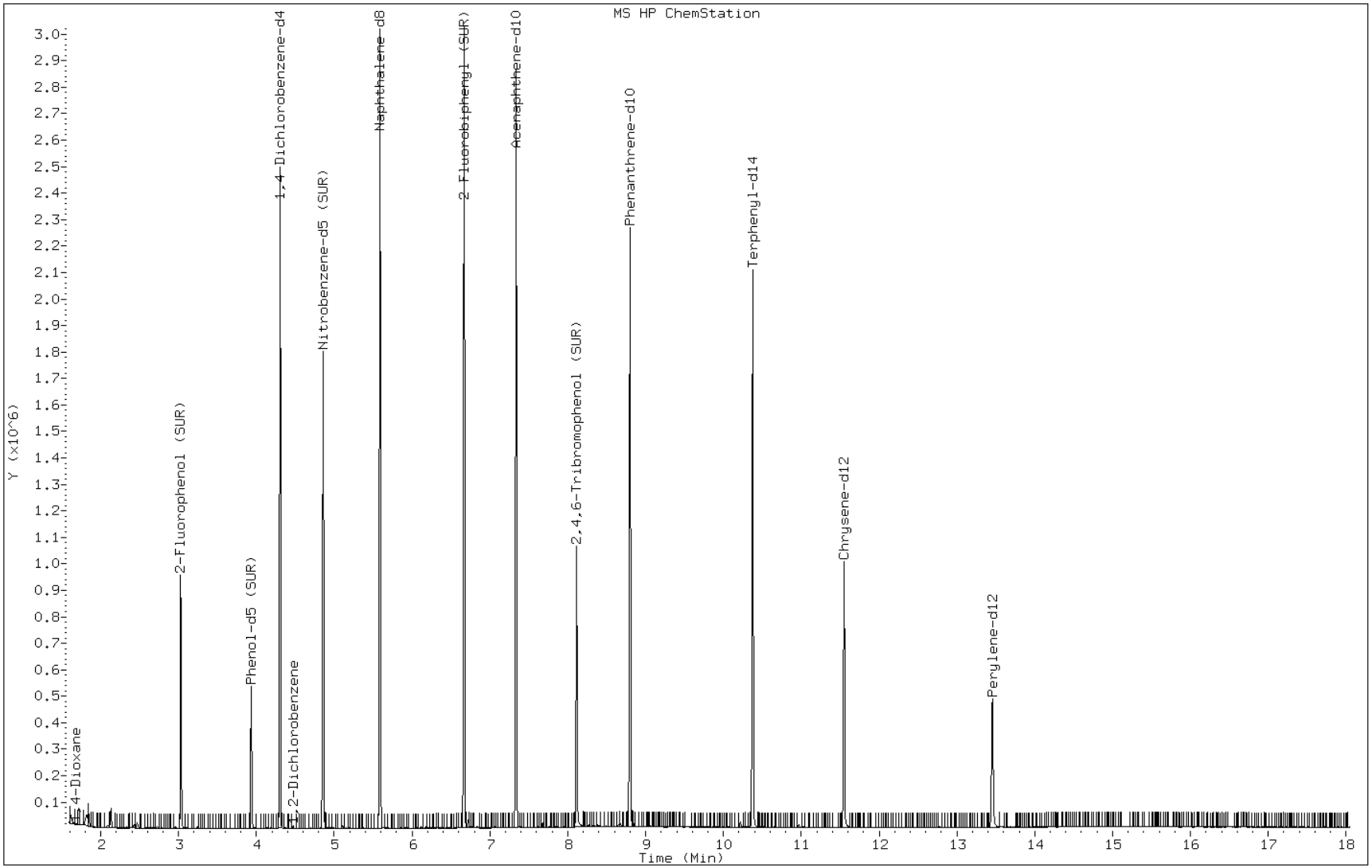
Date: 23-SEP-2009 01:11

Client ID: MW-24DR

Instrument: BNAMS11.i

Sample Info: 460-5887-H-1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5887-1

SDG No.:

Client Sample ID: MW-24SR | Lab Sample ID: 460-5887-2

Matrix: Water | Lab File ID: z4105.d

Analysis Method: 8270C | Date Collected: 09/18/2009 09:15

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/23/2009 01:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 86 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 41 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 92 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 26 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 77 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 89 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4105.d
Report Date: 23-Sep-2009 12:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4105.d
Lab Smp Id: 460-5887-H-2-A  Client Smp ID: MW-24SR
Inj Date  : 23-SEP-2009 01:36
Operator  : BNAMS 4  Inst ID: BNAMS11.i
Smp Info  : 460-5887-H-2-A
Misc Info : 460-5887-H-2-A
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom  Quant Type: ISTD
Cal Date  : 22-SEP-2009 15:25  Cal File: z4081.d
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version:  3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable  Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.681 | 1.651 | (0.391) | 1264 | 0.22696 | 0.45(aMH) |
| $ 16 2-Fluorophenol (SUR) | 112 | 3.034 | 3.028 | (0.705) | 269659 | 20.7433 | 41 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.940 | 3.957 | (0.915) | 186305 | 13.2408 | 26 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 383846 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.475 | 4.481 | (1.040) | 2169 | 0.14990 | 0.30(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.863 | 4.869 | (0.870) | 597347 | 46.1470 | 92 |
| * 80 Naphthalene-d8 | 136 | 5.587 | 5.592 | (1.000) | 1355084 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.669 | 6.675 | (0.909) | 982309 | 43.0280 | 86 |
| * 82 Acenaphthene-d10 | 164 | 7.339 | 7.345 | (1.000) | 640861 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.116 | 8.122 | (1.106) | 100442 | 44.6748 | 89 |
| * 83 Phenanthrene-d10 | 188 | 8.798 | 8.804 | (1.000) | 812952 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.375 | 10.380 | (0.898) | 569489 | 38.6168 | 77 |
| * 81 Chrysene-d12 | 240 | 11.551 | 11.557 | (1.000) | 452461 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 274968 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4105.d
Report Date: 23-Sep-2009 12:40

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4105.d

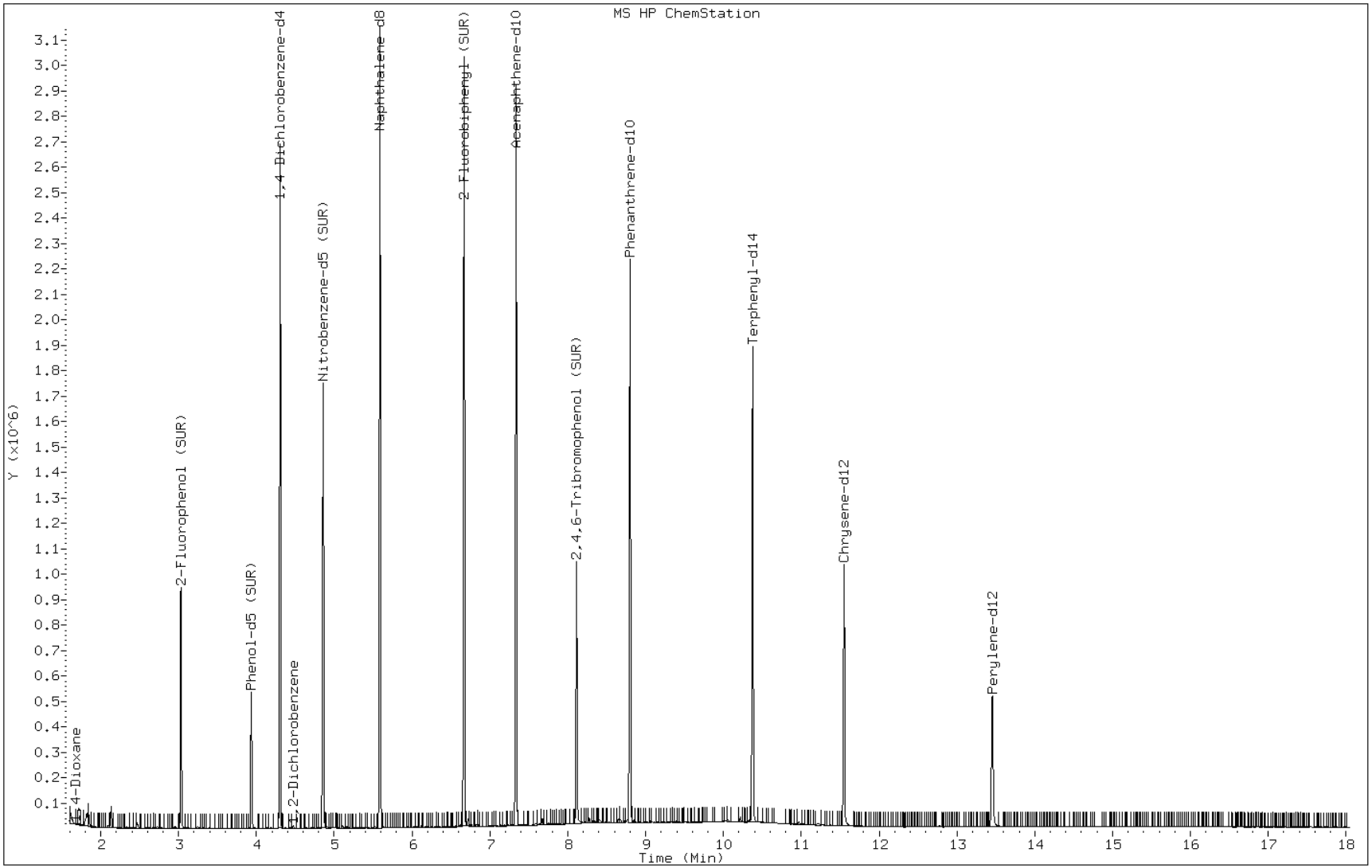
Date: 23-SEP-2009 01:36

Client ID: MW-24SR

Instrument: BNAMS11.i

Sample Info: 460-5887-H-2-A

Operator: BNAMS 4



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17499/4 | z4012.d |
| Level 2 | IC 460-17499/7 | z4015.d |
| Level 3 | IC 460-17499/6 | z4014.d |
| Level 4 | ICIS 460-17499/2 | z4010.d |
| Level 5 | IC 460-17499/5 | z4013.d |
| Level 6 | IC 460-17499/3 | z4011.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 1,4-Dioxane | 0<br>0 | 0 | 0 | 0 | 0 | Ave | | | | | | | | 15.0 | | | |
| 2,3,7,8-TCDD | +++++<br>+++++ | +++++ | +++++ | 0.1561 | +++++ | Ave | | 0.1561 | | | | | | 15.0 | | | |
| N-Nitrosodimethylamine | 0.8514<br>0.7997 | 0.8515 | 0.8114 | 0.7967 | 0.8038 | Ave | | 0.8191 | | | | 3.1 | | 15.0 | | | |
| Pyridine | 1.5725<br>1.3870 | 1.5536 | 1.4854 | 1.4321 | 1.3967 | Ave | | 1.4712 | | | | 5.4 | | 15.0 | | | |
| Benzaldehyde | 0.7254<br>0.3074 | 0.8355 | 0.7965 | 0.7870 | 0.4830 | Ave | | 0.6558 | | | | 32.4 | * | 15.0 | | | |
| Phenol | 1.8440<br>1.4600 | 1.6876 | 1.7263 | 1.6095 | 1.5312 | Ave | | 1.6431 | | | | 8.5 | | 30.0 | | | |
| Aniline | 2.1295<br>1.5836 | 2.1835 | 2.1035 | 1.9428 | 1.7643 | Ave | | 1.9512 | | | | 12.1 | | 15.0 | | | |
| Bis(2-chloroethyl)ether | 1.4560<br>1.4319 | 1.4459 | 1.3952 | 1.3133 | 1.3311 | Ave | | 1.3956 | | | | 4.3 | | 15.0 | | | |
| 2-Chlorophenol | 1.5377<br>1.2952 | 1.4829 | 1.4877 | 1.3703 | 1.3469 | Ave | | 1.4201 | | | | 6.7 | | 15.0 | | | |
| n-Decane | 1.3917<br>1.0196 | 1.3767 | 1.3296 | 1.1754 | 1.0395 | Ave | | 1.2221 | | | | 13.7 | | 15.0 | | | |
| 1,3-Dichlorobenzene | 1.8063<br>1.5530 | 1.7659 | 1.7114 | 1.6498 | 1.5922 | Ave | | 1.6798 | | | | 5.9 | | 15.0 | | | |
| 1,4-Dichlorobenzene | 1.8120<br>1.5426 | 1.7583 | 1.7086 | 1.6601 | 1.5835 | Ave | | 1.6775 | | | | 6.1 | | 30.0 | | | |
| Benzyl alcohol | 0.8449<br>0.7781 | 0.8830 | 0.8229 | 0.7978 | 0.8078 | Ave | | 0.8224 | | | | 4.5 | | 15.0 | | | |
| 1,2-Dichlorobenzene | 1.7282<br>1.4092 | 1.6536 | 1.6045 | 1.5287 | 1.4601 | Ave | | 1.5641 | | | | 7.7 | | 15.0 | | | |
| 2-Methylphenol | 1.3100<br>1.0244 | 1.2039 | 1.2041 | 1.0748 | 1.0652 | Ave | | 1.1471 | | | | 9.6 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,2'-oxybis[1-chloropropane] | 1.7255<br>1.1305 | 1.6820 | 1.5749 | 1.3921 | 1.2167 | QuaF | | 0.5740 | 0.0931 | | | | | | 0.9994 | | 0.9900 |
| Acetophenone | 2.0229<br>1.4538 | 1.8745 | 1.8001 | 1.5558 | 1.4949 | Ave | | 1.7003 | | | | 13.6 | | 15.0 | | | |
| 3 & 4 Methylphenol | 1.4850<br>0.9857 | 1.3344 | 1.2767 | 1.1283 | 1.0257 | LinF | | 1.0219 | | | | | | | 0.9918 | | 0.9900 |
| 4-Methylphenol | 1.4827<br>0.9857 | 1.3344 | 1.2767 | 1.1283 | 1.0257 | LinF | | 1.0219 | | | | | | | 0.9918 | | 0.9900 |
| N-Nitrosodi-n-propylamine | 0.9705<br>0.7612 | 0.9215 | 0.8588 | 0.7636 | 0.7681 | Ave | | 0.8406 | | | 0.0500 | 10.8 | | 15.0 | | | |
| Hexachloroethane | 0.6702<br>0.5817 | 0.7038 | 0.6715 | 0.6469 | 0.6098 | Ave | | 0.6473 | | | | 6.9 | | 15.0 | | | |
| Nitrobenzene | 0.6243<br>0.4330 | 0.5815 | 0.5531 | 0.5095 | 0.4699 | Ave | | 0.5286 | | | | 13.5 | | 15.0 | | | |
| n,n'-Dimethylaniline | 2.6329<br>1.7810 | 2.2497 | 2.1368 | 1.9529 | 1.8657 | Ave | | 2.1031 | | | | 14.8 | | 15.0 | | | |
| Isophorone | 0.6861<br>0.6202 | 0.6910 | 0.6673 | 0.6363 | 0.6351 | Ave | | 0.6560 | | | | 4.5 | | 15.0 | | | |
| 2-Nitrophenol | 0.2014<br>0.1943 | 0.1975 | 0.2067 | 0.1991 | 0.1976 | Ave | | 0.1994 | | | | 2.1 | | 30.0 | | | |
| 2,4-Dimethylphenol | 0.3371<br>0.2821 | 0.3185 | 0.3196 | 0.2962 | 0.2957 | Ave | | 0.3082 | | | | 6.6 | | 15.0 | | | |
| Bis(2-chloroethoxy)methane | 0.4246<br>0.3725 | 0.4204 | 0.4049 | 0.3901 | 0.3777 | Ave | | 0.3984 | | | | 5.5 | | 15.0 | | | |
| Benzoic acid | 0.0877<br>0.1437 | 0.1271 | 0.1470 | 0.1100 | 0.1063 | Ave | | 0.1203 | | | | 19.2 | * | 15.0 | | | |
| 2,4-Dichlorophenol | 0.2910<br>0.2573 | 0.2805 | 0.2872 | 0.2647 | 0.2615 | Ave | | 0.2737 | | | | 5.2 | | 30.0 | | | |
| 1,2,4-Trichlorobenzene | 0.3768<br>0.3182 | 0.3638 | 0.3437 | 0.3347 | 0.3204 | Ave | | 0.3430 | | | | 6.9 | | 15.0 | | | |
| Naphthalene | 1.1563<br>0.9784 | 1.1746 | 1.1008 | 1.0620 | 1.0057 | Ave | | 1.0796 | | | | 7.3 | | 15.0 | | | |
| 4-Chloroaniline | 0.4307<br>0.3503 | 0.4547 | 0.4220 | 0.3948 | 0.3751 | Ave | | 0.4046 | | | | 9.5 | | 15.0 | | | |
| Hexachlorobutadiene | 0.2229<br>0.1874 | 0.2136 | 0.2068 | 0.1996 | 0.1917 | Ave | | 0.2037 | | | | 6.6 | | 30.0 | | | |
| Caprolactam | 0.0766<br>0.0696 | 0.0819 | 0.0821 | 0.0813 | 0.0801 | Ave | | 0.0786 | | | | 6.2 | | 15.0 | | | |
| 4-Chloro-3-methylphenol | 0.2913<br>0.2476 | 0.2875 | 0.2840 | 0.2694 | 0.2706 | Ave | | 0.2751 | | | | 5.9 | | 30.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2-Methylnaphthalene | 0.7203<br>0.5877 | 0.6926 | 0.6684 | 0.6263 | 0.6094 | Ave | | 0.6508 | | | | 7.9 | | 15.0 | | | |
| 1-Methylnaphthalene | 0.6931<br>0.5823 | 0.6871 | 0.6570 | 0.5980 | 0.5855 | Ave | | 0.6338 | | | | 8.1 | | 15.0 | | | |
| Hexachlorocyclopentadiene | 0.3598<br>0.4425 | 0.3754 | 0.3993 | 0.4314 | 0.4199 | Ave | | 0.4047 | | | 0.0500 | 8.0 | | 15.0 | | | |
| 2-tertbutyl-4-methylphenol | 0.4611<br>0.3828 | 0.4693 | 0.4507 | 0.4044 | 0.3974 | Ave | | 0.4276 | | | | 8.7 | | 15.0 | | | |
| 2,4,6-Trichlorophenol | 0.3868<br>0.3996 | 0.3695 | 0.3776 | 0.3706 | 0.3701 | Ave | | 0.3790 | | | | 3.2 | | 30.0 | | | |
| 2,4,5-Trichlorophenol | 0.3978<br>0.3549 | 0.3800 | 0.3914 | 0.3676 | 0.3579 | Ave | | 0.3749 | | | | 4.7 | | 15.0 | | | |
| 1,1'-Biphenyl | 1.6901<br>1.4845 | 1.6533 | 1.6257 | 1.5542 | 1.4878 | Ave | | 1.5826 | | | | 5.5 | | 15.0 | | | |
| 2-Chloronaphthalene | 1.3421<br>1.1948 | 1.3345 | 1.2895 | 1.2363 | 1.1835 | Ave | | 1.2634 | | | | 5.5 | | 15.0 | | | |
| Phenyl ether | 0.9114<br>0.8375 | 0.9111 | 0.8798 | 0.8532 | 0.8270 | Ave | | 0.8700 | | | | 4.2 | | 15.0 | | | |
| 2-Nitroaniline | 0.4020<br>0.3190 | 0.4489 | 0.4388 | 0.4219 | 0.3377 | Ave | | 0.3947 | | | | 13.7 | | 15.0 | | | |
| 1,3-Dimethylnaphthalene | 1.0507<br>0.9609 | 1.0536 | 1.0446 | 0.9865 | 0.9501 | Ave | | 1.0077 | | | | 4.7 | | 15.0 | | | |
| Dimethyl phthalate | 1.3344<br>1.1394 | 1.3179 | 1.2518 | 1.2187 | 1.1608 | Ave | | 1.2371 | | | | 6.5 | | 15.0 | | | |
| Coumarin | 0.4196<br>0.3535 | 0.4218 | 0.4011 | 0.3849 | 0.3558 | Ave | | 0.3895 | | | | 7.7 | | 15.0 | | | |
| 2,6-Dinitrotoluene | 0.2704<br>0.2659 | 0.2811 | 0.2827 | 0.2799 | 0.2726 | Ave | | 0.2754 | | | | 2.5 | | 15.0 | | | |
| Acenaphthylene | 2.0293<br>1.7642 | 2.0299 | 1.9392 | 1.9032 | 1.8011 | Ave | | 1.9111 | | | | 5.9 | | 15.0 | | | |
| 3-Nitroaniline | 0.2999<br>0.2482 | 0.2979 | 0.2902 | 0.2803 | 0.2572 | Ave | | 0.2790 | | | | 7.8 | | 15.0 | | | |
| 3,5-di-tert-butyl-4-hydroxytol | 1.0868<br>0.9742 | 1.0775 | 1.0696 | 0.9830 | 0.9678 | Ave | | 1.0265 | | | | 5.5 | | 15.0 | | | |
| Acenaphthene | 1.2147<br>1.0143 | 1.1847 | 1.1198 | 1.0751 | 1.0264 | Ave | | 1.1058 | | | | 7.4 | | 30.0 | | | |
| 2,4-Dinitrophenol | 0.0775<br>0.1324 | 0.0887 | 0.0990 | 0.1164 | 0.1257 | QuaF | | 9.5991 | -5.345 | | 0.0500 | | | | 0.9970 | | 0.9900 |
| 4-Nitrophenol | 0.1776<br>0.1638 | 0.1720 | 0.1758 | 0.1816 | 0.1707 | Ave | | 0.1736 | | | 0.0500 | 3.6 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| 2,4-Dinitrotoluene | 0.3309<br>0.2950 | 0.3389 | 0.3457 | 0.3319 | 0.3102 | Ave | | 0.3254 | | | | 5.9 | | 15.0 | | | |
| Dibenzofuran | 1.7149<br>1.4546 | 1.7071 | 1.6444 | 1.5377 | 1.4639 | Ave | | 1.5871 | | | | 7.4 | | 15.0 | | | |
| Diethyl phthalate | 1.2155<br>1.0519 | 1.2076 | 1.1814 | 1.1624 | 1.0904 | Ave | | 1.1515 | | | | 5.7 | | 15.0 | | | |
| 4-Chlorophenyl phenyl ether | 0.6376<br>0.5464 | 0.6177 | 0.5846 | 0.5638 | 0.5500 | Ave | | 0.5834 | | | | 6.4 | | 15.0 | | | |
| Fluorene | 1.3122<br>1.0779 | 1.2731 | 1.2379 | 1.1762 | 1.1170 | Ave | | 1.1991 | | | | 7.6 | | 15.0 | | | |
| 4-Nitroaniline | 0.2615<br>0.1975 | 0.2646 | 0.2577 | 0.2408 | 0.2084 | Ave | | 0.2384 | | | | 12.1 | | 15.0 | | | |
| 4,6-Dinitro-2-methylphenol | 0.0919<br>0.1297 | 0.1006 | 0.1094 | 0.1188 | 0.1256 | Ave | | 0.1127 | | | | 13.1 | | 15.0 | | | |
| N-Nitrosodiphenylamine | 0.6361<br>0.7081 | 0.6405 | 0.6071 | 0.5933 | 0.5972 | Ave | | 0.6304 | | | | 6.8 | | 30.0 | | | |
| 1,2-Diphenylhydrazine | 1.1626<br>1.0901 | 1.1941 | 1.1462 | 1.1041 | 1.1186 | Ave | | 1.1360 | | | | 3.4 | | 15.0 | | | |
| 4-Bromophenyl phenyl ether | 0.2654<br>0.2744 | 0.2654 | 0.2580 | 0.2624 | 0.2678 | Ave | | 0.2656 | | | | 2.1 | | 15.0 | | | |
| Hexachlorobenzene | 0.2602<br>0.2624 | 0.2621 | 0.2494 | 0.2494 | 0.2560 | Ave | | 0.2566 | | | | 2.3 | | 15.0 | | | |
| Atrazine | 0.2065<br>0.1552 | 0.2000 | 0.1934 | 0.1887 | 0.1720 | Ave | | 0.1860 | | | | 10.3 | | 15.0 | | | |
| Pentachlorophenol | 0.0953<br>0.1273 | 0.1006 | 0.1054 | 0.1166 | 0.1246 | Ave | | 0.1116 | | | | 11.8 | | 30.0 | | | |
| n-Octadecane | 0.6087<br>0.5715 | 0.6427 | 0.6293 | 0.5729 | 0.5700 | Ave | | 0.5992 | | | | 5.4 | | 15.0 | | | |
| Phenanthrene | 1.2117<br>1.0883 | 1.2107 | 1.1658 | 1.1430 | 1.1022 | Ave | | 1.1536 | | | | 4.6 | | 15.0 | | | |
| Anthracene | 1.2222<br>1.0894 | 1.2203 | 1.1931 | 1.1570 | 1.1218 | Ave | | 1.1673 | | | | 4.7 | | 15.0 | | | |
| Carbazole | 0.9708<br>0.7962 | 0.9548 | 0.9318 | 0.8834 | 0.8317 | Ave | | 0.8948 | | | | 7.8 | | 15.0 | | | |
| Di-n-butyl phthalate | 1.1644<br>1.1031 | 1.1970 | 1.2054 | 1.1829 | 1.1357 | Ave | | 1.1648 | | | | 3.4 | | 15.0 | | | |
| Fluoranthene | 0.9503<br>0.8287 | 0.9145 | 0.9444 | 0.8977 | 0.8552 | Ave | | 0.8985 | | | | 5.4 | | 30.0 | | | |
| Benzidine | 0.0872<br>+++++ | 0.2411 | 0.1994 | 0.1146 | 0.0416 | Ave | | 0.1368 | | | | 59.9 | * | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| Pyrene | 1.8631<br>1.7015 | 1.9170 | 1.8731 | 1.7596 | 1.6851 | Ave | | 1.7999 | | | | 5.4 | | 15.0 | | | |
| Butyl benzyl phthalate | 0.5974<br>0.6800 | 0.6508 | 0.6807 | 0.6691 | 0.6797 | Ave | | 0.6596 | | | | 4.9 | | 15.0 | | | |
| 3,3'-Dichlorobenzidine | 0.2921<br>0.2613 | 0.3129 | 0.3051 | 0.3061 | 0.2692 | Ave | | 0.2911 | | | | 7.3 | | 15.0 | | | |
| Benzo[a]anthracene | 1.2667<br>1.1057 | 1.1099 | 1.1064 | 1.1053 | 1.0986 | Ave | | 1.1321 | | | | 5.8 | | 15.0 | | | |
| Bis(2-ethylhexyl) phthalate | 0.7848<br>0.8805 | 0.8204 | 0.8536 | 0.8553 | 0.8709 | Ave | | 0.8443 | | | | 4.2 | | 15.0 | | | |
| Chrysene | 1.1090<br>1.0279 | 1.1116 | 1.0542 | 1.0342 | 1.0270 | Ave | | 1.0607 | | | | 3.7 | | 15.0 | | | |
| Di-n-octyl phthalate | 1.2897<br>1.8462 | 1.4167 | 1.6228 | 1.7133 | 1.7575 | Ave | | 1.6077 | | | | 13.3 | | 30.0 | | | |
| Benzo[b]fluoranthene | 0.9747<br>1.2528 | 1.1416 | 1.1706 | 1.1735 | 1.1674 | Ave | | 1.1468 | | | | 8.0 | | 15.0 | | | |
| Benzo[k]fluoranthene | 0.9651<br>1.2563 | 1.2602 | 1.3442 | 1.3187 | 1.3057 | Ave | | 1.2417 | | | | 11.3 | | 15.0 | | | |
| Benzo[a]pyrene | 0.7637<br>1.0506 | 0.9345 | 0.9711 | 1.0261 | 1.0327 | Ave | | 0.9631 | | | | 11.1 | | 30.0 | | | |
| Indeno[1,2,3-cd]pyrene | 0.8610<br>0.9925 | 0.7533 | 0.8531 | 0.8776 | 0.9587 | Ave | | 0.8827 | | | | 9.6 | | 15.0 | | | |
| Dibenz(a,h)anthracene | 0.7046<br>0.9950 | 0.7936 | 0.8315 | 0.9204 | 0.9340 | Ave | | 0.8632 | | | | 12.3 | | 15.0 | | | |
| Benzo[g,h,i]perylene | 0.7776<br>1.0029 | 0.8485 | 0.8750 | 0.9263 | 0.9385 | Ave | | 0.8948 | | | | 8.8 | | 15.0 | | | |
| 2-Fluorophenol | 1.4959<br>1.2291 | 1.5128 | 1.4017 | 1.3139 | 1.2694 | Ave | | 1.3704 | | | | 8.7 | | 15.0 | | | |
| Phenol-d5 | 1.6553<br>1.2984 | 1.6403 | 1.5159 | 1.3994 | 1.3801 | Ave | | 1.4816 | | | | 9.9 | | 15.0 | | | |
| Nitrobenzene-d5 | 0.3886<br>0.3509 | 0.3976 | 0.4005 | 0.3743 | 0.3632 | Ave | | 0.3792 | | | | 5.2 | | 15.0 | | | |
| 2-Fluorobiphenyl | 1.4859<br>1.3730 | 1.4461 | 1.4659 | 1.3578 | 1.3234 | Ave | | 1.4087 | | | | 4.7 | | 15.0 | | | |
| 2,4,6-Tribromophenol | 0.1420<br>0.1322 | 0.1422 | 0.1342 | 0.1399 | 0.1334 | Ave | | 0.1373 | | | | 3.3 | | 15.0 | | | |
| Terphenyl-d14 | 1.1759<br>1.1249 | 1.1823 | 1.2246 | 1.1064 | 1.0899 | Ave | | 1.1507 | | | | 4.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17499/4 | z4012.d |
| Level 2 | IC 460-17499/7 | z4015.d |
| Level 3 | IC 460-17499/6 | z4014.d |
| Level 4 | ICIS 460-17499/2 | z4010.d |
| Level 5 | IC 460-17499/5 | z4013.d |
| Level 6 | IC 460-17499/3 | z4011.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 1,4-Dioxane | DCB | Ave | 0<br>0 | 0 | 0 | 0 | 0 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,3,7,8-TCDD | CRY | Ave | +++++<br>+++++ | +++++ | +++++ | 580 | +++++ | +++++<br>+++++ | +++++ | +++++ | 0.500 | +++++ |
| N-Nitrosodimethylamine | DCB | Ave | 37652<br>850300 | 73140 | 118921 | 304342 | 546145 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pyridine | DCB | Ave | 69544<br>1474697 | 133439 | 217697 | 547033 | 948960 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzaldehyde | DCB | Ave | 32083<br>326869 | 71765 | 116727 | 300624 | 328188 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol | DCB | Ave | 81553<br>1552264 | 144955 | 252999 | 614817 | 1040377 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Aniline | DCB | Ave | 94178<br>1683673 | 187550 | 308283 | 742133 | 1198721 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethyl)ether | DCB | Ave | 6439<br>1522396 | 124194 | 204476 | 501676 | 904415 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chlorophenol | DCB | Ave | 68005<br>1377094 | 127366 | 218026 | 523457 | 915115 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n-Decane | DCB | Ave | 61548<br>1084032 | 118248 | 194859 | 448974 | 706245 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dichlorobenzene | DCB | Ave | 79882<br>1651179 | 151676 | 250818 | 630193 | 1081836 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,4-Dichlorobenzene | DCB | Ave | 80134<br>1640069 | 151025 | 250403 | 634123 | 1075906 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzyl alcohol | DCB | Ave | 37367<br>827317 | 75846 | 120603 | 304765 | 548858 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Dichlorobenzene | DCB | Ave | 76430<br>1498258 | 142036 | 235149 | 583958 | 992064 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylphenol | DCB | Ave | 57933<br>1089151 | 103410 | 176472 | 410554 | 723736 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,2'-oxybis[1-chloropropane] | DCB | QuaF | 76310<br>1201919 | 144471 | 230806 | 531764 | 826670 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Acetophenone | DCB | Ave | 89465<br>1545669 | 161005 | 263818 | 594285 | 1015692 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3 & 4 Methylphenol | DCB | LinF | 65674<br>1048053 | 114617 | 187111 | 431017 | 696890 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Methylphenol | DCB | LinF | 65573<br>1048053 | 114617 | 187111 | 431017 | 696890 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| N-Nitrosodi-n-propylamine | DCB | Ave | 4292<br>809352 | 79149 | 125855 | 291683 | 521846 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachloroethane | DCB | Ave | 2964<br>618458 | 60450 | 98410 | 247123 | 414316 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene | NPT | Ave | 10179<br>1621580 | 179691 | 289954 | 670204 | 1130187 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| n,n'-Dimethylaniline | DCB | Ave | 11644<br>1893597 | 193230 | 313152 | 745986 | 1267606 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Isophorone | NPT | Ave | 111863<br>2322542 | 213538 | 349801 | 836854 | 1527490 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitrophenol | NPT | Ave | 32833<br>727622 | 61025 | 108343 | 261836 | 475308 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dimethylphenol | NPT | Ave | 54968<br>1056241 | 98427 | 167543 | 389551 | 711303 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Bis(2-chloroethoxy)methane | NPT | Ave | 69228<br>1395139 | 129907 | 212265 | 513066 | 908378 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzoic acid | NPT | Ave | 14297<br>538126 | 39266 | 77050 | 144716 | 255656 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dichlorophenol | NPT | Ave | 47438<br>963622 | 86671 | 150573 | 348184 | 629036 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2,4-Trichlorobenzene | NPT | Ave | 6144<br>1191796 | 112442 | 180194 | 440248 | 770590 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Naphthalene | NPT | Ave | 188531<br>3664161 | 363002 | 577069 | 1396772 | 2418938 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloroaniline | NPT | Ave | 70216<br>1311708 | 140520 | 221200 | 519320 | 902218 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobutadiene | NPT | Ave | 7270<br>701717 | 66023 | 108420 | 262468 | 461034 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Caprolactam | NPT | Ave | 12491<br>260460 | 25298 | 43052 | 106884 | 192605 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Chloro-3-methylphenol | NPT | Ave | 47490<br>927273 | 88837 | 148876 | 354332 | 650810 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Methylnaphthalene | NPT | Ave | 117443<br>2200886 | 214029 | 350367 | 823758 | 1465874 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1-Methylnaphthalene | NPT | Ave | 113011<br>2180677 | 212351 | 344397 | 786530 | 1408330 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Hexachlorocyclopentadiene | ANT | Ave | 27978<br>731087 | 55753 | 99098 | 261366 | 468211 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-tertbutyl-4-methylphenol | NPT | Ave | 75186<br>1433683 | 145042 | 236269 | 531968 | 955907 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Trichlorophenol | ANT | Ave | 30074<br>660209 | 54868 | 93701 | 224506 | 412655 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,5-Trichlorophenol | ANT | Ave | 30928<br>586445 | 56431 | 97145 | 222696 | 399068 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,1'-Biphenyl | ANT | Ave | 131403<br>2452845 | 245508 | 403470 | 941523 | 1658915 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Chloronaphthalene | ANT | Ave | 104352<br>1974226 | 198167 | 320012 | 748945 | 1319610 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenyl ether | ANT | Ave | 70858<br>1383756 | 135294 | 218358 | 516847 | 922091 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Nitroaniline | ANT | Ave | 62516<br>527018 | 66657 | 108902 | 255560 | 376556 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,3-Dimethylnaphthalene | ANT | Ave | 81694<br>1587692 | 156449 | 259240 | 597607 | 1059390 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dimethyl phthalate | ANT | Ave | 103749<br>1882636 | 195700 | 310663 | 738270 | 1294306 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Coumarin | ANT | Ave | 32627<br>584123 | 62641 | 99541 | 233186 | 396764 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,6-Dinitrotoluene | ANT | Ave | 4205<br>439294 | 41745 | 70155 | 169562 | 303961 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthylene | ANT | Ave | 157776<br>2914889 | 301427 | 481273 | 1152965 | 2008252 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3-Nitroaniline | ANT | Ave | 46637<br>410099 | 44234 | 72023 | 169837 | 286762 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,5-di-tert-butyl-4-hydroxytol | ANT | Ave | 84500<br>1609603 | 160010 | 265457 | 595494 | 1079099 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Acenaphthene | ANT | Ave | 94442<br>1675881 | 175927 | 277900 | 651285 | 1144433 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4-Dinitrophenol | ANT | QuaF | 18081<br>218711 | 26335 | 36838 | 70531 | 140182 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 4-Nitrophenol | ANT | Ave | 41434<br>270689 | 51097 | 65458 | 110040 | 190379 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| 2,4-Dinitrotoluene | ANT | Ave | 5146<br>487361 | 50319 | 85789 | 201052 | 345847 | 1.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenzofuran | ANT | Ave | 133333<br>2403485 | 253500 | 408096 | 931533 | 1632324 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Diethyl phthalate | ANT | Ave | 94504<br>1738006 | 179325 | 293202 | 704164 | 1215774 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| 4-Chlorophenyl phenyl ether | ANT | Ave | 49575<br>902872 | 91729 | 145086 | 341529 | 613287 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluorene | ANT | Ave | 102027<br>1780962 | 189054 | 307220 | 712561 | 1245455 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Nitroaniline | ANT | Ave | 40667<br>326364 | 39288 | 63960 | 145853 | 232402 | 10.0<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4,6-Dinitro-2-methylphenol | PHN | Ave | 26743<br>237896 | 36708 | 50497 | 87969 | 159949 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| N-Nitrosodiphenylamine | PHN | Ave | 61735<br>1298806 | 116830 | 186839 | 439435 | 760326 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 1,2-Diphenylhydrazine | PHN | Ave | 112823<br>1999592 | 217804 | 352771 | 817822 | 1424226 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 4-Bromophenyl phenyl ether | PHN | Ave | 25755<br>503414 | 48400 | 79392 | 194357 | 340944 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Hexachlorobenzene | PHN | Ave | 2525<br>481290 | 47805 | 76751 | 184722 | 325935 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Atrazine | PHN | Ave | 20040<br>284700 | 36481 | 59524 | 139794 | 218972 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Pentachlorophenol | PHN | Ave | 27733<br>233590 | 36697 | 48638 | 86342 | 158623 | 15.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| n-Octadecane | PHN | Ave | 59069<br>1048327 | 117218 | 193665 | 424331 | 725711 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenanthrene | PHN | Ave | 117592<br>1996374 | 220825 | 358788 | 846603 | 1403274 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Anthracene | PHN | Ave | 118608<br>1998241 | 222571 | 367189 | 857033 | 1428255 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Carbazole | PHN | Ave | 94215<br>1460421 | 174154 | 286783 | 654328 | 1058881 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-butyl phthalate | PHN | Ave | 113002<br>2023426 | 218323 | 370982 | 876180 | 1445957 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Fluoranthene | PHN | Ave | 92223<br>1520091 | 166807 | 290652 | 664936 | 1088818 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzidine | PHN | Ave | 8462<br>+++++ | 87961 | 92056 | 84908 | 52976 | 5.00<br>+++++ | 20.0 | 30.0 | 50.0 | 80.0 |
| Pyrene | CRY | Ave | 91826<br>1440086 | 166792 | 288537 | 653867 | 1052652 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Butyl benzyl phthalate | CRY | Ave | 29442<br>575535 | 56621 | 104852 | 248654 | 424579 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 3,3'-Dichlorobenzidine | CRY | Ave | 28797<br>221150 | 54454 | 70496 | 113762 | 168157 | 10.0<br>120 | 20.0 | 30.0 | 50.0 | 80.0 |
| Benzo[a]anthracene | CRY | Ave | 6243<br>935829 | 96567 | 170433 | 410727 | 686318 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17499

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 01:32 Calibration End Date: 09/21/2009 03:58 Calibration ID: 3162

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Bis(2-ethylhexyl) phthalate | CRY | Ave | 38681<br>745248 | 71375 | 131488 | 317835 | 544062 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Chrysene | CRY | Ave | 54659<br>869967 | 96715 | 162388 | 384312 | 641593 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Di-n-octyl phthalate | PRY | Ave | 37779<br>1050631 | 76187 | 151266 | 421761 | 750884 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[b]fluoranthene | PRY | Ave | 2855<br>712939 | 61395 | 109119 | 288888 | 498741 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[k]fluoranthene | PRY | Ave | 2827<br>714917 | 67771 | 125296 | 324636 | 557859 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[a]pyrene | PRY | Ave | 2237<br>597899 | 50258 | 90516 | 252606 | 441215 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Ave | 2522<br>564813 | 40510 | 79518 | 216048 | 409590 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 2064<br>566236 | 42679 | 77505 | 226568 | 399058 | 0.500<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 22776<br>570730 | 45633 | 81560 | 228023 | 400975 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorophenol | DCB | Ave | 66155<br>1306829 | 129937 | 205419 | 501888 | 862452 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Phenol-d5 | DCB | Ave | 73205<br>1380492 | 140891 | 222156 | 534559 | 937685 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Nitrobenzene-d5 | NPT | Ave | 63355<br>1314074 | 122877 | 209949 | 492293 | 873681 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2-Fluorobiphenyl | ANT | Ave | 115532<br>2268540 | 214736 | 363797 | 822538 | 1475672 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| 2,4,6-Tribromophenol | ANT | Ave | 11041<br>218506 | 21117 | 33294 | 84762 | 148738 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |
| Terphenyl-d14 | CRY | Ave | 57956<br>952090 | 102867 | 188644 | 411133 | 680843 | 5.00<br>120 | 10.0 | 20.0 | 50.0 | 80.0 |

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Lab Smp Id: ICIS-154120
Inj Date : 21-SEP-2009 01:32
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : ICIS-154120
Misc Info : 50ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.928 | 1.928 | (0.441) | 304342 | 50.0000 | 49 |
| | 71 Pyridine | 79 | 1.957 | 1.957 | (0.448) | 547033 | 50.0000 | 49 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.705) | 501888 | 50.0000 | 48 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.898) | 300624 | 50.0000 | 60 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.010 | 4.010 | (0.918) | 534559 | 50.0000 | 47 |
| | 1 Phenol | 94 | 4.022 | 4.022 | (0.921) | 614817 | 50.0000 | 49 |
| | 73 Aniline | 93 | 4.040 | 4.040 | (0.925) | 742133 | 50.0000 | 50 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.098 | 4.098 | (0.938) | 501676 | 50.0000 | 47 |
| | 2 2-Chlorophenol | 128 | 4.163 | 4.163 | (0.953) | 523457 | 50.0000 | 48 |
| | 113 n-decane | 43 | 4.210 | 4.210 | (0.964) | 448974 | 50.0000 | 48 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.987) | 630193 | 50.0000 | 49 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.369 | (1.000) | 305592 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.003) | 634123 | 50.0000 | 49 |
| | 74 Benzyl Alcohol | 108 | 4.510 | 4.510 | (1.032) | 304765 | 50.0000 | 48 |
| | 23 1,2-Dichlorobenzene | 146 | 4.540 | 4.540 | (1.039) | 583958 | 50.0000 | 49 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| 3 | 2-Methylphenol | 108 | 4.628 | 4.628 | (1.059) | 410554 | 50.0000 | 47 |
| 24 | bis (2-chloroisopropyl) ether | 45 | 4.640 | 4.640 | (1.062) | 531764 | 50.0000 | 51 |
| 104 | Acetophenone | 105 | 4.775 | 4.775 | (1.093) | 594285 | 50.0000 | 46 |
| 4 | 4-Methylphenol | 108 | 4.781 | 4.781 | (1.094) | 431017 | 50.0000 | 55 |
| 124 | 3 & 4 methylphenol | 108 | 4.781 | 4.781 | (1.094) | 431017 | 50.0000 | 55 |
| 25 | N-Nitroso-di-n-propylamine | 70 | 4.781 | 4.781 | (1.094) | 291683 | 50.0000 | 45 |
| 26 | Hexachloroethane | 117 | 4.881 | 4.881 | (1.117) | 247123 | 50.0000 | 50 |
| $ 76 | Nitrobenzene-d5 (SUR) | 82 | 4.928 | 4.928 | (0.872) | 492293 | 50.0000 | 49 |
| 27 | Nitrobenzene | 77 | 4.951 | 4.951 | (0.876) | 670204 | 50.0000 | 48 |
| 107 | N,N-Dimethylaniline | 120 | 4.951 | 4.951 | (1.133) | 745986 | 50.0000 | 46 |
| 28 | Isophorone | 82 | 5.187 | 5.187 | (0.918) | 836854 | 50.0000 | 48 |
| 5 | 2-Nitrophenol | 139 | 5.263 | 5.263 | (0.931) | 261836 | 50.0000 | 50 |
| 6 | 2,4-Dimethylphenol | 122 | 5.316 | 5.316 | (0.941) | 389551 | 50.0000 | 48 |
| 29 | bis(2-Chloroethoxy)methane | 93 | 5.404 | 5.404 | (0.956) | 513066 | 50.0000 | 49 |
| 15 | Benzoic Acid | 122 | 5.445 | 5.445 | (0.964) | 144716 | 50.0000 | 46 |
| 7 | 2,4-Dichlorophenol | 162 | 5.510 | 5.510 | (0.975) | 348184 | 50.0000 | 48 |
| 30 | 1,2,4-Trichlorobenzene | 180 | 5.592 | 5.592 | (0.990) | 440248 | 50.0000 | 49 |
| * 80 | Naphthalene-d8 | 136 | 5.651 | 5.651 | (1.000) | 1052231 | 40.0000 | |
| 31 | Naphthalene | 128 | 5.669 | 5.669 | (1.003) | 1396772 | 50.0000 | 49 |
| 32 | 4-Chloroaniline | 127 | 5.728 | 5.728 | (1.014) | 519320 | 50.0000 | 49 |
| 33 | Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.027) | 262468 | 50.0000 | 49 |
| 111 | Caprolactam | 113 | 6.104 | 6.104 | (1.080) | 106884 | 50.0000 | 52 |
| 8 | 4-Chloro-3-methylphenol | 107 | 6.228 | 6.228 | (1.102) | 354332 | 50.0000 | 49 |
| 34 | 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.126) | 823758 | 50.0000 | 48 |
| 120 | 1-Methylnaphthalene | 142 | 6.463 | 6.463 | (1.144) | 786530 | 50.0000 | 47 |
| 35 | Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 261366 | 50.0000 | 53 |
| 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.575 | 6.575 | (1.163) | 531968 | 50.0000 | 47 |
| 9 | 2,4,6-Trichlorophenol | 196 | 6.651 | 6.651 | (0.898) | 224506 | 50.0000 | 49 |
| 10 | 2,4,5-Trichlorophenol | 196 | 6.692 | 6.692 | (0.904) | 222696 | 50.0000 | 49 |
| $ 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.734 | 6.734 | (0.909) | 822538 | 50.0000 | 48 |
| 102 | Diphenyl | 154 | 6.834 | 6.834 | (0.923) | 941523 | 50.0000 | 49 |
| 36 | 2-Chloronaphthalene | 162 | 6.851 | 6.851 | (0.925) | 748945 | 50.0000 | 49 |
| 103 | Diphenyl Ether | 170 | 6.939 | 6.939 | (0.937) | 516847 | 50.0000 | 49 |
| 37 | 2-Nitroaniline | 65 | 6.957 | 6.957 | (0.940) | 255560 | 50.0000 | 53 |
| 123 | 1,3-Dimethylnaphthalene | 156 | 7.069 | 7.069 | (0.955) | 597607 | 50.0000 | 49 |
| 38 | Dimethylphthalate | 163 | 7.139 | 7.139 | (0.964) | 738270 | 50.0000 | 49 |
| 114 | Coumarin | 146 | 7.157 | 7.157 | (0.967) | 233186 | 50.0000 | 49 |
| 40 | 2,6-Dinitrotoluene | 165 | 7.198 | 7.198 | (0.972) | 169562 | 50.0000 | 51 |
| 39 | Acenaphthylene | 152 | 7.263 | 7.263 | (0.981) | 1152965 | 50.0000 | 50 |
| 41 | 3-Nitroaniline | 138 | 7.363 | 7.363 | (0.994) | 169837 | 50.0000 | 50 |
| * 82 | Acenaphthene-d10 | 164 | 7.404 | 7.404 | (1.000) | 484646 | 40.0000 | |
| 42 | Acenaphthene | 154 | 7.439 | 7.439 | (1.005) | 651285 | 50.0000 | 49 |
| 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.428 | 7.428 | (1.003) | 595494 | 50.0000 | 48 |
| 11 | 2,4-Dinitrophenol | 184 | 7.463 | 7.463 | (1.008) | 70531 | 50.0000 | 51 |
| 12 | 4-Nitrophenol | 65 | 7.534 | 7.534 | (1.017) | 110040 | 50.0000 | 52 |
| 44 | 2,4-Dinitrotoluene | 165 | 7.592 | 7.592 | (1.025) | 201052 | 50.0000 | 51 |
| 43 | Dibenzofuran | 168 | 7.604 | 7.604 | (1.027) | 931533 | 50.0000 | 48 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4010.d
Report Date: 21-Sep-2009 13:27

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.833 | 7.833 | (1.058) | 704164 | 50.0000 | 50 |
| | 47 Fluorene | 166 | 7.945 | 7.945 | (1.073) | 712561 | 50.0000 | 49 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.945 | 7.945 | (1.073) | 341529 | 50.0000 | 48 |
| | 48 4-Nitroaniline | 138 | 7.969 | 7.969 | (1.076) | 145853 | 50.0000 | 50 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.998 | 7.998 | (0.902) | 87969 | 50.0000 | 53 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.063 | 8.063 | (0.909) | 439435 | 50.0000 | 47 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.098 | 8.098 | (0.913) | 817822 | 50.0000 | 48 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.181 | 8.181 | (1.105) | 84762 | 50.0000 | 51 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.422 | 8.422 | (0.950) | 194357 | 50.0000 | 49 |
| | 51 Hexachlorobenzene | 284 | 8.492 | 8.492 | (0.958) | 184722 | 50.0000 | 48 |
| | 112 Atrazine | 200 | 8.586 | 8.586 | (0.968) | 139794 | 50.0000 | 51 |
| | 14 Pentachlorophenol | 266 | 8.686 | 8.686 | (0.979) | 86342 | 50.0000 | 52 |
| | 115 n-Octadecane | 57 | 8.763 | 8.763 | (0.988) | 424331 | 50.0000 | 48 |
| * | 83 Phenanthrene-d10 | 188 | 8.869 | 8.869 | (1.000) | 592573 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.892 | 8.892 | (1.003) | 846603 | 50.0000 | 50 |
| | 53 Anthracene | 178 | 8.939 | 8.939 | (1.008) | 857033 | 50.0000 | 50 |
| | 54 Carbazole | 167 | 9.098 | 9.098 | (1.026) | 654328 | 50.0000 | 49 |
| | 55 Di-n-butylphthalate | 149 | 9.439 | 9.439 | (1.064) | 876180 | 50.0000 | 51 |
| | 56 Fluoranthene | 202 | 10.063 | 10.063 | (1.135) | 664936 | 50.0000 | 50 |
| | 58 Benzidine | 184 | 10.186 | 10.186 | (1.149) | 84908 | 50.0000 | 42 |
| | 57 Pyrene | 202 | 10.286 | 10.286 | (0.884) | 653867 | 50.0000 | 49 |
| $ | 78 Terphenyl-d14 | 244 | 10.439 | 10.439 | (0.897) | 411133 | 50.0000 | 48 |
| | 59 Butylbenzylphthalate | 149 | 10.969 | 10.969 | (0.943) | 248654 | 50.0000 | 51 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 11.080 | 11.080 | (0.952) | 580 | 0.50000 | 0.50 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.592 | 11.592 | (0.996) | 113762 | 50.0000 | 52 |
| | 61 Benzo(a)anthracene | 228 | 11.621 | 11.621 | (0.999) | 410727 | 50.0000 | 49 |
| * | 81 Chrysene-d12 | 240 | 11.633 | 11.633 | (1.000) | 297279 | 40.0000 | |
| | 62 Chrysene | 228 | 11.669 | 11.669 | (1.003) | 384312 | 50.0000 | 49 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.663 | 11.663 | (1.003) | 317835 | 50.0000 | 51 |
| | 64 Di-n-octylphthalate | 149 | 12.521 | 12.521 | (0.924) | 421761 | 50.0000 | 53 |
| | 65 Benzo(b)fluoranthene | 252 | 13.027 | 13.027 | (0.961) | 288888 | 50.0000 | 51 |
| | 66 Benzo(k)fluoranthene | 252 | 13.068 | 13.068 | (0.964) | 324636 | 50.0000 | 53 |
| | 67 Benzo(a)pyrene | 252 | 13.474 | 13.474 | (0.994) | 252606 | 50.0000 | 53 |
| * | 84 Perylene-d12 | 264 | 13.551 | 13.551 | (1.000) | 196937 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 15.074 | 15.074 | (1.112) | 216048 | 50.0000 | 50(M) |
| | 69 Dibenz(a,h)anthracene | 278 | 15.110 | 15.110 | (1.115) | 226568 | 50.0000 | 53 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.498 | 15.498 | (1.144) | 228023 | 50.0000 | 52 |

QC Flag Legend

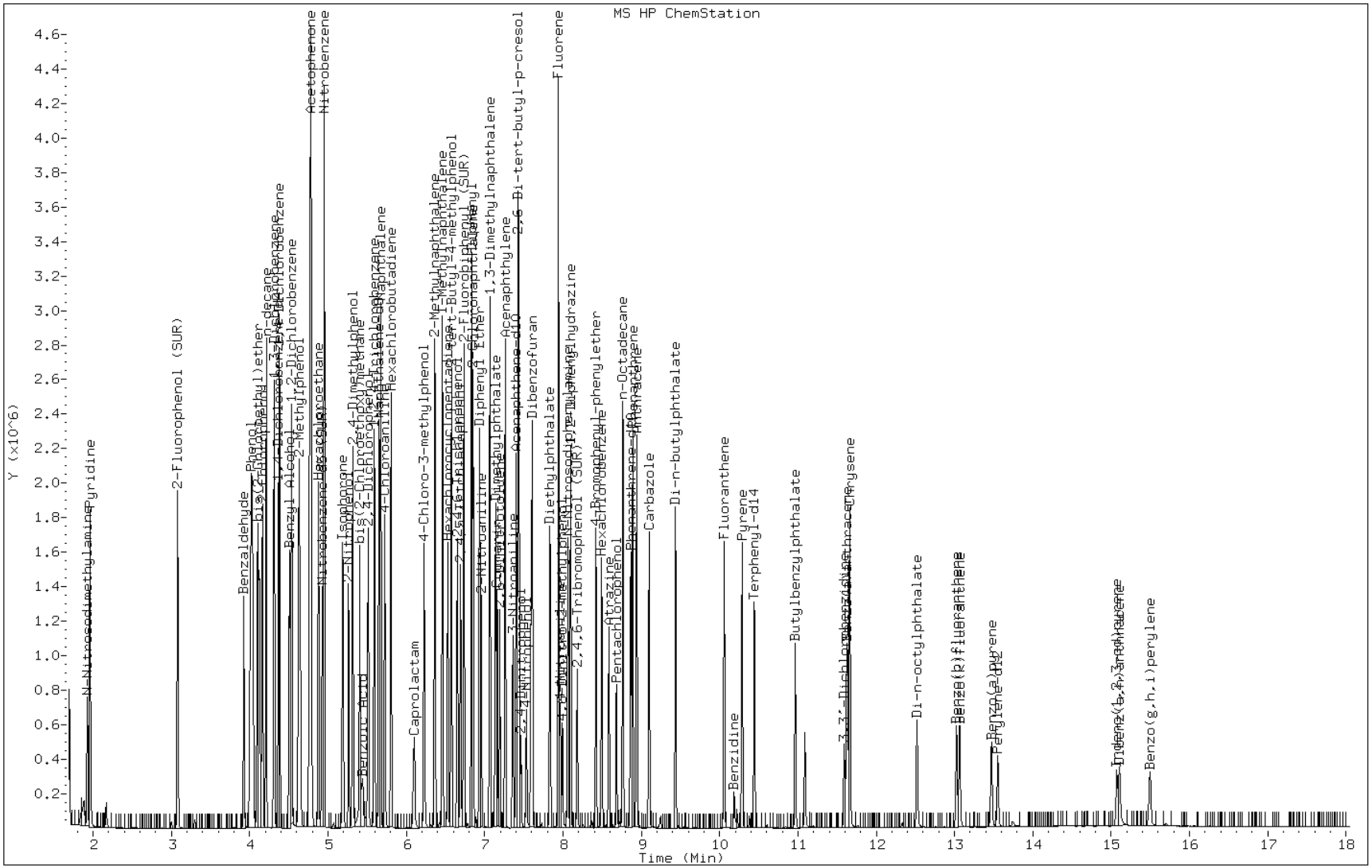
M - Compound response manually integrated.

Data File: z4010.d

Date: 21-SEP-2009 01:32

Client ID: Instrument: BNAMS11.i

Sample Info: ICIS-154120 Operator: BNAMS 4



# Manual Integration Report

Data File: z4010.d
Inj. Date and Time: 21-SEP-2009 01:32
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

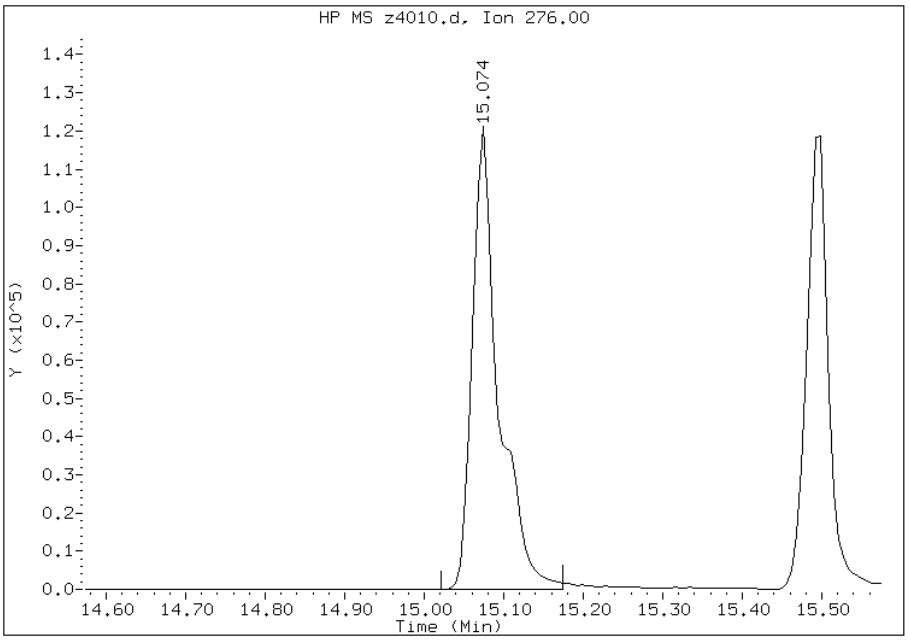
## Processing Integration Results

RT: 15.07

Response: 275092

Amount: 70

Conc: 70



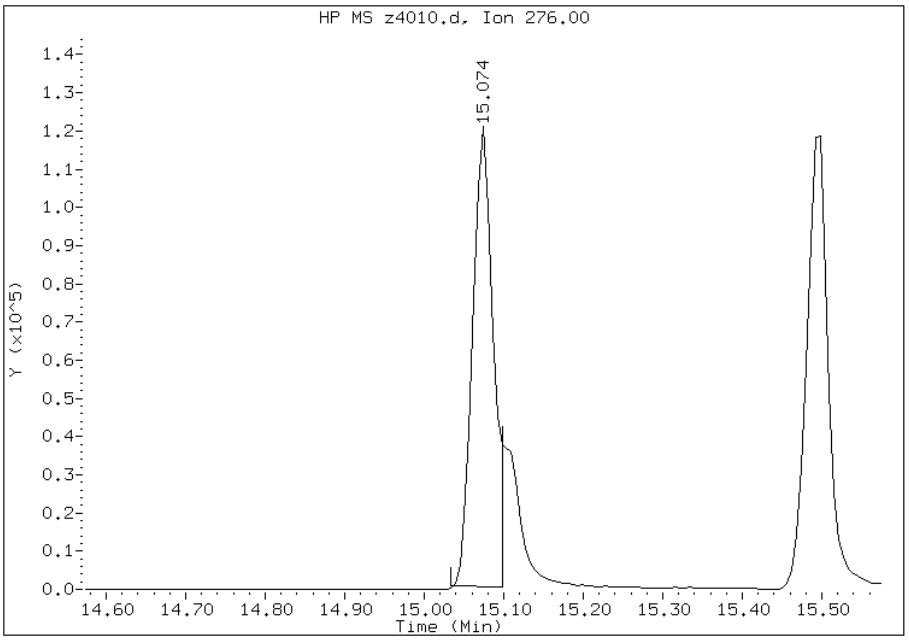

## Manual Integration Results

RT: 15.07

Response: 216048

Amount: 50

Conc: 50




Manually Integrated By: rusin
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Lab Smp Id: IC-154124
Inj Date : 21-SEP-2009 02:22
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154124
Misc Info : 120 ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 2.016 | 1.928 | (0.461) | 850300 | 120.000 | 120(AH) |
| | 71 Pyridine | 79 | 2.052 | 1.957 | (0.469) | 1474697 | 120.000 | 120(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.122 | 3.081 | (0.714) | 1306829 | 120.000 | 120 |
| | 110 Benzaldehyde | 77 | 3.940 | 3.922 | (0.900) | 326869 | 120.000 | 67 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.040 | 4.010 | (0.923) | 1380492 | 120.000 | 120 |
| | 1 Phenol | 94 | 4.057 | 4.022 | (0.927) | 1552264 | 120.000 | 110 |
| | 73 Aniline | 93 | 4.057 | 4.040 | (0.927) | 1683673 | 120.000 | 110 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.128 | 4.098 | (0.944) | 1522396 | 120.000 | 120(A) |
| | 2 2-Chlorophenol | 128 | 4.187 | 4.163 | (0.957) | 1377094 | 120.000 | 120 |
| | 113 n-decane | 43 | 4.222 | 4.210 | (0.965) | 1084032 | 120.000 | 110 |
| | 21 1,3-Dichlorobenzene | 146 | 4.328 | 4.310 | (0.989) | 1651179 | 120.000 | 120 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.375 | 4.369 | (1.000) | 354405 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.399 | 4.381 | (1.005) | 1640069 | 120.000 | 120 |
| | 74 Benzyl Alcohol | 108 | 4.534 | 4.510 | (1.036) | 827317 | 120.000 | 120 |
| | 23 1,2-Dichlorobenzene | 146 | 4.551 | 4.540 | (1.040) | 1498258 | 120.000 | 120 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 2-Methylphenol | 108 | 4.646 | 4.628 | (1.062) | 1089151 | 120.000 | 120 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.657 | 4.640 | (1.065) | 1201919 | 120.000 | 120 |
| | 104 Acetophenone | 105 | 4.798 | 4.775 | (1.097) | 1545669 | 120.000 | 120 |
| | 4 4-Methylphenol | 108 | 4.816 | 4.781 | (1.101) | 1048053 | 120.000 | 120(H) |
| | 124 3 & 4 methylphenol | 108 | 4.816 | 4.781 | (1.101) | 1048053 | 120.000 | 120(H) |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.834 | 4.781 | (1.105) | 809352 | 120.000 | 120(M) |
| | 26 Hexachloroethane | 117 | 4.887 | 4.881 | (1.117) | 618458 | 120.000 | 110 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.946 | 4.928 | (0.874) | 1314074 | 120.000 | 120 |
| | 27 Nitrobenzene | 77 | 4.975 | 4.951 | (0.879) | 1621580 | 120.000 | 110 |
| | 107 N,N-Dimethylaniline | 120 | 4.969 | 4.951 | (1.136) | 1893597 | 120.000 | 110 |
| | 28 Isophorone | 82 | 5.216 | 5.187 | (0.922) | 2322542 | 120.000 | 120 |
| | 5 2-Nitrophenol | 139 | 5.281 | 5.263 | (0.933) | 727622 | 120.000 | 120 |
| | 6 2,4-Dimethylphenol | 122 | 5.340 | 5.316 | (0.944) | 1056241 | 120.000 | 120 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.422 | 5.404 | (0.958) | 1395139 | 120.000 | 120 |
| | 15 Benzoic Acid | 122 | 5.522 | 5.445 | (0.976) | 538126 | 120.000 | 140(AH) |
| | 7 2,4-Dichlorophenol | 162 | 5.528 | 5.510 | (0.977) | 963622 | 120.000 | 120 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.604 | 5.592 | (0.991) | 1191796 | 120.000 | 120 |
| * | 80 Naphthalene-d8 | 136 | 5.657 | 5.651 | (1.000) | 1248288 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.681 | 5.669 | (1.004) | 3664161 | 120.000 | 120 |
| | 32 4-Chloroaniline | 127 | 5.740 | 5.728 | (1.015) | 1311708 | 120.000 | 110 |
| | 33 Hexachlorobutadiene | 225 | 5.810 | 5.804 | (1.027) | 701717 | 120.000 | 120 |
| | 111 Caprolactam | 113 | 6.175 | 6.104 | (1.091) | 260460 | 120.000 | 110(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 6.245 | 6.228 | (1.104) | 927273 | 120.000 | 110 |
| | 34 2-Methylnaphthalene | 142 | 6.375 | 6.363 | (1.127) | 2200886 | 120.000 | 120 |
| | 120 1-Methylnaphthalene | 142 | 6.475 | 6.463 | (1.145) | 2180677 | 120.000 | 120 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 731087 | 120.000 | 120(A) |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.587 | 6.575 | (1.164) | 1433683 | 120.000 | 120 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.663 | 6.651 | (0.899) | 660209 | 120.000 | 120(A) |
| | 10 2,4,5-Trichlorophenol | 196 | 6.710 | 6.692 | (0.906) | 586445 | 120.000 | 120 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.745 | 6.734 | (0.910) | 2268540 | 120.000 | 120(A) |
| | 102 Diphenyl | 154 | 6.845 | 6.834 | (0.924) | 2452845 | 120.000 | 120 |
| | 36 2-Chloronaphthalene | 162 | 6.863 | 6.851 | (0.926) | 1974226 | 120.000 | 120 |
| | 103 Diphenyl Ether | 170 | 6.945 | 6.939 | (0.937) | 1383756 | 120.000 | 120 |
| | 37 2-Nitroaniline | 65 | 6.969 | 6.957 | (0.940) | 527018 | 120.000 | 100 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.081 | 7.069 | (0.956) | 1587692 | 120.000 | 120 |
| | 38 Dimethylphthalate | 163 | 7.151 | 7.139 | (0.965) | 1882636 | 120.000 | 120 |
| | 114 Coumarin | 146 | 7.175 | 7.157 | (0.968) | 584123 | 120.000 | 110 |
| | 40 2,6-Dinitrotoluene | 165 | 7.210 | 7.198 | (0.973) | 439294 | 120.000 | 120 |
| | 39 Acenaphthylene | 152 | 7.275 | 7.263 | (0.982) | 2914889 | 120.000 | 120 |
| | 41 3-Nitroaniline | 138 | 7.381 | 7.363 | (0.996) | 410099 | 120.000 | 110 |
| * | 82 Acenaphthene-d10 | 164 | 7.410 | 7.404 | (1.000) | 550762 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.445 | 7.439 | (1.005) | 1675881 | 120.000 | 120 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.434 | 7.428 | (1.003) | 1609603 | 120.000 | 120 |
| | 11 2,4-Dinitrophenol | 184 | 7.475 | 7.463 | (1.009) | 218711 | 120.000 | 120(A) |
| | 12 4-Nitrophenol | 65 | 7.551 | 7.534 | (1.019) | 270689 | 120.000 | 110 |
| | 44 2,4-Dinitrotoluene | 165 | 7.604 | 7.592 | (1.026) | 487361 | 120.000 | 110 |
| | 43 Dibenzofuran | 168 | 7.616 | 7.604 | (1.028) | 2403485 | 120.000 | 120 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4011.d
Report Date: 21-Sep-2009 13:28

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 45 | Diethylphthalate | 149 | 7.845 | 7.833 | (1.059) | 1738006 | 120.000 | 110 |
| 47 | Fluorene | 166 | 7.951 | 7.945 | (1.073) | 1780962 | 120.000 | 110 |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.951 | 7.945 | (1.073) | 902872 | 120.000 | 120 |
| 48 | 4-Nitroaniline | 138 | 7.987 | 7.969 | (1.078) | 326364 | 120.000 | 110 |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.010 | 7.998 | (0.903) | 237896 | 120.000 | 120(A) |
| 49 | N-Nitrosodiphenylamine | 169 | 8.075 | 8.063 | (0.910) | 1298806 | 120.000 | 130(A) |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.110 | 8.098 | (0.914) | 1999592 | 120.000 | 120 |
| $ 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.192 | 8.181 | (1.106) | 218506 | 120.000 | 120 |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.434 | 8.422 | (0.951) | 503414 | 120.000 | 120(A) |
| 51 | Hexachlorobenzene | 284 | 8.504 | 8.492 | (0.959) | 481290 | 120.000 | 120(A) |
| 112 | Atrazine | 200 | 8.598 | 8.586 | (0.969) | 284700 | 120.000 | 110 |
| 14 | Pentachlorophenol | 266 | 8.692 | 8.686 | (0.980) | 233590 | 120.000 | 120(A) |
| 115 | n-Octadecane | 57 | 8.769 | 8.763 | (0.989) | 1048327 | 120.000 | 120 |
| * 83 | Phenanthrene-d10 | 188 | 8.869 | 8.869 | (1.000) | 611441 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.898 | 8.892 | (1.003) | 1996374 | 120.000 | 120 |
| 53 | Anthracene | 178 | 8.951 | 8.939 | (1.009) | 1998241 | 120.000 | 120 |
| 54 | Carbazole | 167 | 9.104 | 9.098 | (1.027) | 1460421 | 120.000 | 110 |
| 55 | Di-n-butylphthalate | 149 | 9.445 | 9.439 | (1.065) | 2023426 | 120.000 | 120 |
| 56 | Fluoranthene | 202 | 10.063 | 10.063 | (1.135) | 1520091 | 120.000 | 120 |
| 58 | Benzidine | 184 | 10.192 | 10.186 | (1.149) | 62323 | 120.000 | 36 |
| 57 | Pyrene | 202 | 10.292 | 10.286 | (0.884) | 1440086 | 120.000 | 120 |
| $ 78 | Terphenyl-d14 | 244 | 10.445 | 10.439 | (0.897) | 952090 | 120.000 | 120(A) |
| 59 | Butylbenzylphthalate | 149 | 10.975 | 10.969 | (0.943) | 575535 | 120.000 | 120(A) |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.592 | 11.592 | (0.996) | 221150 | 120.000 | 110 |
| 61 | Benzo(a)anthracene | 228 | 11.627 | 11.621 | (0.999) | 935829 | 120.000 | 120(A) |
| * 81 | Chrysene-d12 | 240 | 11.639 | 11.633 | (1.000) | 282115 | 40.0000 | |
| 62 | Chrysene | 228 | 11.674 | 11.669 | (1.003) | 869967 | 120.000 | 120 |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.663 | 11.663 | (1.002) | 745248 | 120.000 | 120(A) |
| 64 | Di-n-octylphthalate | 149 | 12.521 | 12.521 | (0.924) | 1050631 | 120.000 | 120(A) |
| 65 | Benzo(b)fluoranthene | 252 | 13.039 | 13.027 | (0.962) | 712939 | 120.000 | 120(A) |
| 66 | Benzo(k)fluoranthene | 252 | 13.074 | 13.068 | (0.964) | 714917 | 120.000 | 120 |
| 67 | Benzo(a)pyrene | 252 | 13.480 | 13.474 | (0.994) | 597899 | 120.000 | 120(A) |
| * 84 | Perylene-d12 | 264 | 13.557 | 13.551 | (1.000) | 189694 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.086 | 15.074 | (1.113) | 564813 | 120.000 | 130(A) |
| 69 | Dibenz(a,h)anthracene | 278 | 15.121 | 15.110 | (1.115) | 566236 | 120.000 | 120(A) |
| 70 | Benzo(g,h,i)perylene | 276 | 15.510 | 15.498 | (1.144) | 570730 | 120.000 | 120(A) |

QC Flag Legend

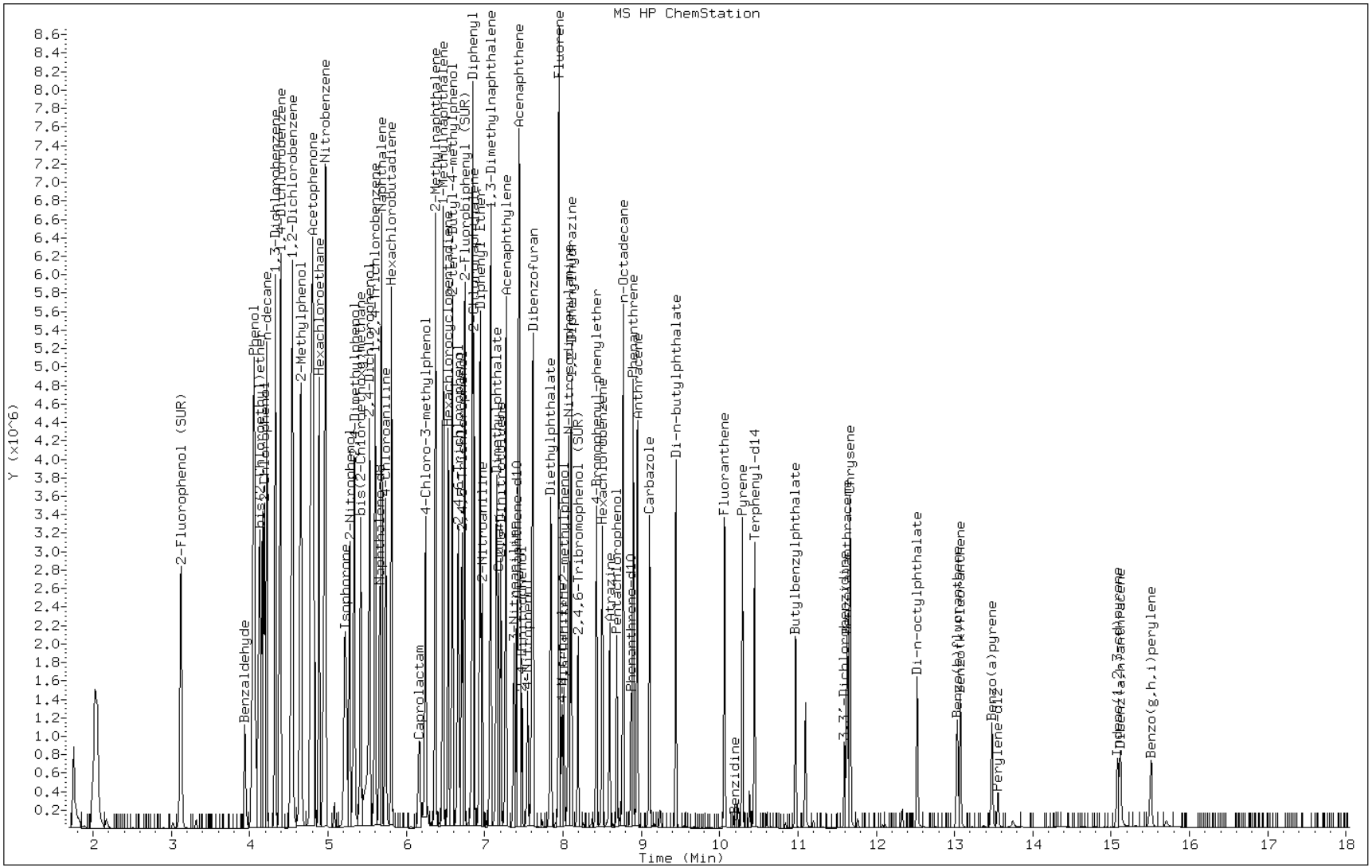
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4011.d

Date: 21-SEP-2009 02:22

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154124 Operator: BNAMS 4



# Manual Integration Report

Data File: z4011.d
Inj. Date and Time: 21-SEP-2009 02:22
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/21/2009

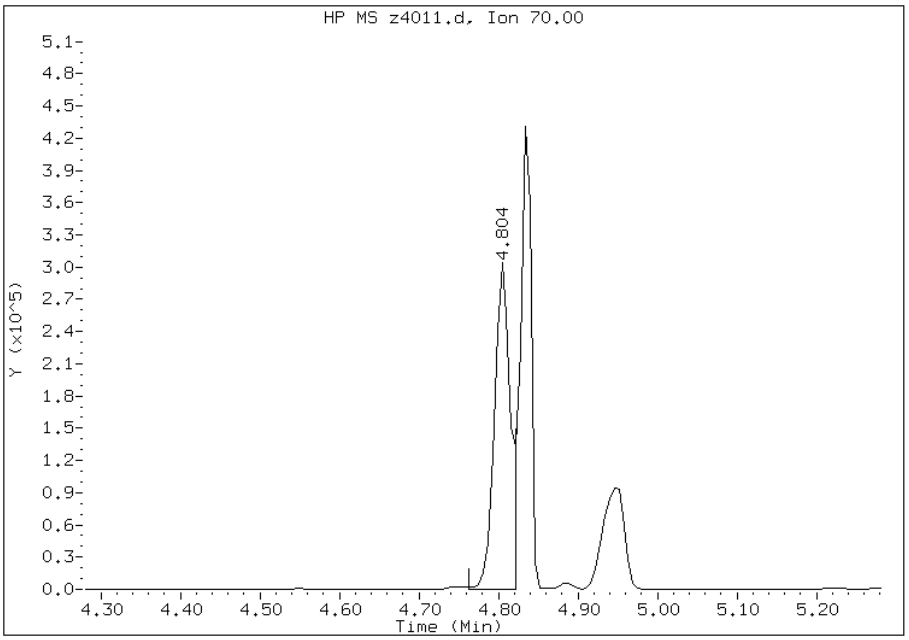
## Processing Integration Results

RT: 4.80

Response: 449680

Amount: 101

Conc: 101



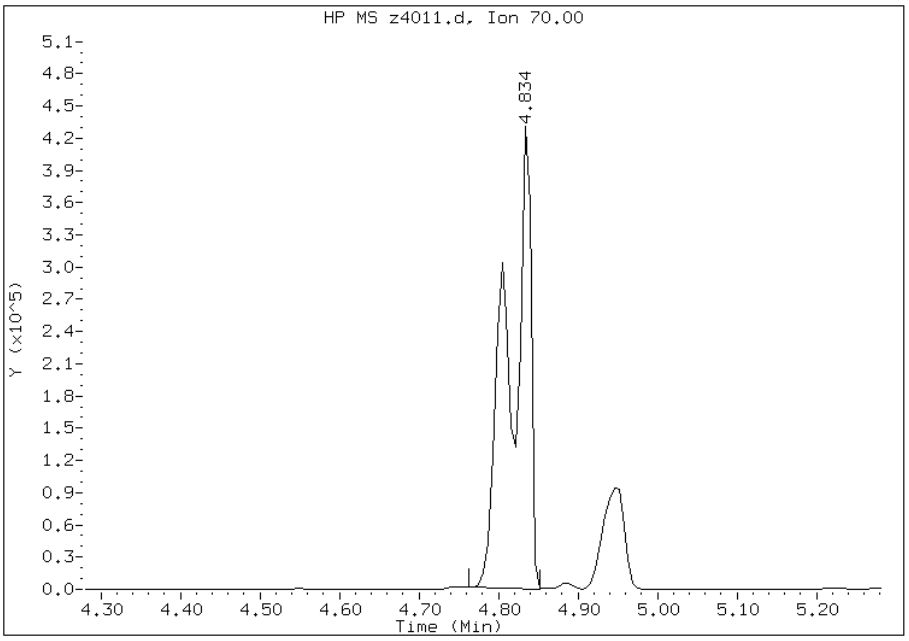

## Manual Integration Results

RT: 4.83

Response: 809352

Amount: 120

Conc: 120




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Lab Smp Id: IC-154121
Inj Date : 21-SEP-2009 02:46
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154121
Misc Info : 5 ppmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.934 | 1.928 | (0.443) | 37652 | 5.00000 | 5.2(H) |
| | 71 Pyridine | 79 | 1.969 | 1.957 | (0.451) | 69544 | 5.00000 | 5.4(H) |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 66155 | 5.00000 | 5.6 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 32083 | 5.00000 | 6.0 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.992 | 4.010 | (0.915) | 73205 | 5.00000 | 5.7 |
| | 1 Phenol | 94 | 4.004 | 4.022 | (0.918) | 81553 | 5.00000 | 5.6(H) |
| | 73 Aniline | 93 | 4.028 | 4.040 | (0.923) | 94178 | 5.00000 | 5.6 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.092 | 4.098 | (0.938) | 6439 | 0.50000 | 0.52 |
| | 2 2-Chlorophenol | 128 | 4.151 | 4.163 | (0.951) | 68005 | 5.00000 | 5.5 |
| | 113 n-decane | 43 | 4.204 | 4.210 | (0.964) | 61548 | 5.00000 | 5.8 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 79882 | 5.00000 | 5.4 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 353801 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 80134 | 5.00000 | 5.4 |
| | 74 Benzyl Alcohol | 108 | 4.498 | 4.510 | (1.031) | 37367 | 5.00000 | 5.2(H) |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 76430 | 5.00000 | 5.6 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 2-Methylphenol | 108 | 4.616 | 4.628 | (1.058) | 57933 | 5.00000 | 5.8(H) |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.634 | 4.640 | (1.062) | 76310 | 5.00000 | 4.9(a) |
| | 104 Acetophenone | 105 | 4.763 | 4.775 | (1.092) | 89465 | 5.00000 | 6.0 |
| | 4 4-Methylphenol | 108 | 4.769 | 4.781 | (1.093) | 65573 | 5.00000 | 7.3 |
| | 124 3 & 4 methylphenol | 108 | 4.769 | 4.781 | (1.093) | 65674 | 5.00000 | 7.3(a) |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.781 | (1.093) | 4292 | 0.50000 | 0.58 |
| | 26 Hexachloroethane | 117 | 4.875 | 4.881 | (1.117) | 2964 | 0.50000 | 0.53 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.928 | (0.871) | 63355 | 5.00000 | 5.2 |
| | 27 Nitrobenzene | 77 | 4.934 | 4.951 | (0.874) | 10179 | 0.50000 | 0.60 |
| | 107 N,N-Dimethylaniline | 120 | 4.939 | 4.951 | (1.132) | 11644 | 0.50000 | 0.62 |
| | 28 Isophorone | 82 | 5.175 | 5.187 | (0.917) | 111863 | 5.00000 | 5.3 |
| | 5 2-Nitrophenol | 139 | 5.257 | 5.263 | (0.931) | 32833 | 5.00000 | 5.1 |
| | 6 2,4-Dimethylphenol | 122 | 5.310 | 5.316 | (0.941) | 54968 | 5.00000 | 5.5 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.404 | (0.956) | 69228 | 5.00000 | 5.4 |
| | 15 Benzoic Acid | 122 | 5.375 | 5.445 | (0.952) | 14297 | 5.00000 | 3.8(aH) |
| | 7 2,4-Dichlorophenol | 162 | 5.504 | 5.510 | (0.975) | 47438 | 5.00000 | 5.4 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.586 | 5.592 | (0.990) | 6144 | 0.50000 | 0.55 |
| * | 80 Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1304352 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.663 | 5.669 | (1.003) | 188531 | 5.00000 | 5.4 |
| | 32 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 70216 | 5.00000 | 5.5 |
| | 33 Hexachlorobutadiene | 225 | 5.798 | 5.804 | (1.027) | 7270 | 1.00000 | 1.1 |
| | 111 Caprolactam | 113 | 6.045 | 6.104 | (1.071) | 12491 | 5.00000 | 5.0(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 6.216 | 6.228 | (1.101) | 47490 | 5.00000 | 5.4 |
| | 34 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 117443 | 5.00000 | 5.6 |
| | 120 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 113011 | 5.00000 | 5.5 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.528 | 6.534 | (0.882) | 27978 | 5.00000 | 4.4(a) |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.575 | (1.164) | 75186 | 5.00000 | 5.5 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.645 | 6.651 | (0.898) | 30074 | 5.00000 | 5.0 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.681 | 6.692 | (0.903) | 30928 | 5.00000 | 5.3 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.734 | (0.909) | 115532 | 5.00000 | 5.3 |
| | 102 Diphenyl | 154 | 6.828 | 6.834 | (0.923) | 131403 | 5.00000 | 5.4 |
| | 36 2-Chloronaphthalene | 162 | 6.845 | 6.851 | (0.925) | 104352 | 5.00000 | 5.3 |
| | 103 Diphenyl Ether | 170 | 6.933 | 6.939 | (0.937) | 70858 | 5.00000 | 5.2 |
| | 37 2-Nitroaniline | 65 | 6.945 | 6.957 | (0.939) | 62516 | 10.0000 | 10 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.069 | (0.955) | 81694 | 5.00000 | 5.2 |
| | 38 Dimethylphthalate | 163 | 7.128 | 7.139 | (0.963) | 103749 | 5.00000 | 5.4 |
| | 114 Coumarin | 146 | 7.151 | 7.157 | (0.967) | 32627 | 5.00000 | 5.4 |
| | 40 2,6-Dinitrotoluene | 165 | 7.186 | 7.198 | (0.971) | 4205 | 1.00000 | 0.99(a) |
| | 39 Acenaphthylene | 152 | 7.257 | 7.263 | (0.981) | 157776 | 5.00000 | 5.3 |
| | 41 3-Nitroaniline | 138 | 7.351 | 7.363 | (0.994) | 46637 | 10.0000 | 11 |
| * | 82 Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 622000 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 94442 | 5.00000 | 5.5 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.428 | (1.003) | 84500 | 5.00000 | 5.4 |
| | 11 2,4-Dinitrophenol | 184 | 7.451 | 7.463 | (1.007) | 18081 | 15.0000 | 11(a) |
| | 12 4-Nitrophenol | 65 | 7.528 | 7.534 | (1.017) | 41434 | 15.0000 | 15 |
| | 44 2,4-Dinitrotoluene | 165 | 7.580 | 7.592 | (1.025) | 5146 | 1.00000 | 1.0 |
| | 43 Dibenzofuran | 168 | 7.598 | 7.604 | (1.027) | 133333 | 5.00000 | 5.5 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4012.d
Report Date: 21-Sep-2009 13:29

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 45 | Diethylphthalate | 149 | 7.828 | 7.833 | (1.058) | 94504 | 5.00000 | 5.3 |
| 47 | Fluorene | 166 | 7.939 | 7.945 | (1.073) | 102027 | 5.00000 | 5.5 |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.945 | (1.073) | 49575 | 5.00000 | 5.5 |
| 48 | 4-Nitroaniline | 138 | 7.951 | 7.969 | (1.075) | 40667 | 10.0000 | 11 |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.998 | (0.901) | 26743 | 15.0000 | 12(a) |
| 49 | N-Nitrosodiphenylamine | 169 | 8.051 | 8.063 | (0.908) | 61735 | 5.00000 | 4.9(a) |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.092 | 8.098 | (0.913) | 112823 | 5.00000 | 5.2 |
| $ 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.181 | (1.105) | 11041 | 5.00000 | 5.1 |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.416 | 8.422 | (0.950) | 25755 | 5.00000 | 5.0 |
| 51 | Hexachlorobenzene | 284 | 8.486 | 8.492 | (0.958) | 2525 | 0.50000 | 0.50 |
| 112 | Atrazine | 200 | 8.575 | 8.586 | (0.967) | 20040 | 5.00000 | 5.6 |
| 14 | Pentachlorophenol | 266 | 8.680 | 8.686 | (0.979) | 27733 | 15.0000 | 13(a) |
| 115 | n-Octadecane | 57 | 8.757 | 8.763 | (0.988) | 59069 | 5.00000 | 5.2 |
| * 83 | Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 776359 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.886 | 8.892 | (1.003) | 117592 | 5.00000 | 5.3 |
| 53 | Anthracene | 178 | 8.933 | 8.939 | (1.008) | 118608 | 5.00000 | 5.3 |
| 54 | Carbazole | 167 | 9.092 | 9.098 | (1.026) | 94215 | 5.00000 | 5.5 |
| 55 | Di-n-butylphthalate | 149 | 9.433 | 9.439 | (1.064) | 113002 | 5.00000 | 5.1 |
| 56 | Fluoranthene | 202 | 10.051 | 10.063 | (1.134) | 92223 | 5.00000 | 5.3 |
| 58 | Benzidine | 184 | 10.180 | 10.186 | (1.149) | 8462 | 5.00000 | 4.3(a) |
| 57 | Pyrene | 202 | 10.280 | 10.286 | (0.884) | 91826 | 5.00000 | 5.2 |
| $ 78 | Terphenyl-d14 | 244 | 10.433 | 10.439 | (0.897) | 57956 | 5.00000 | 5.2 |
| 59 | Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.943) | 29442 | 5.00000 | 4.6(a) |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 28797 | 10.0000 | 10 |
| 61 | Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.999) | 6243 | 0.50000 | 0.55 |
| * 81 | Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 394294 | 40.0000 | |
| 62 | Chrysene | 228 | 11.657 | 11.669 | (1.003) | 54659 | 5.00000 | 5.2 |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.003) | 38681 | 5.00000 | 4.7(a) |
| 64 | Di-n-octylphthalate | 149 | 12.515 | 12.521 | (0.924) | 37779 | 5.00000 | 4.0(a) |
| 65 | Benzo(b)fluoranthene | 252 | 13.021 | 13.027 | (0.961) | 2855 | 0.50000 | 0.43(a) |
| 66 | Benzo(k)fluoranthene | 252 | 13.057 | 13.068 | (0.964) | 2827 | 0.50000 | 0.41(a) |
| 67 | Benzo(a)pyrene | 252 | 13.462 | 13.474 | (0.994) | 2237 | 0.50000 | 0.40(a) |
| * 84 | Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 234336 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.068 | 15.074 | (1.112) | 2522 | 0.50000 | 0.47(aM) |
| 69 | Dibenz(a,h)anthracene | 278 | 15.109 | 15.110 | (1.115) | 2064 | 0.50000 | 0.40(aM) |
| 70 | Benzo(g,h,i)perylene | 276 | 15.480 | 15.498 | (1.143) | 22776 | 5.00000 | 4.3(a) |

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4012.d

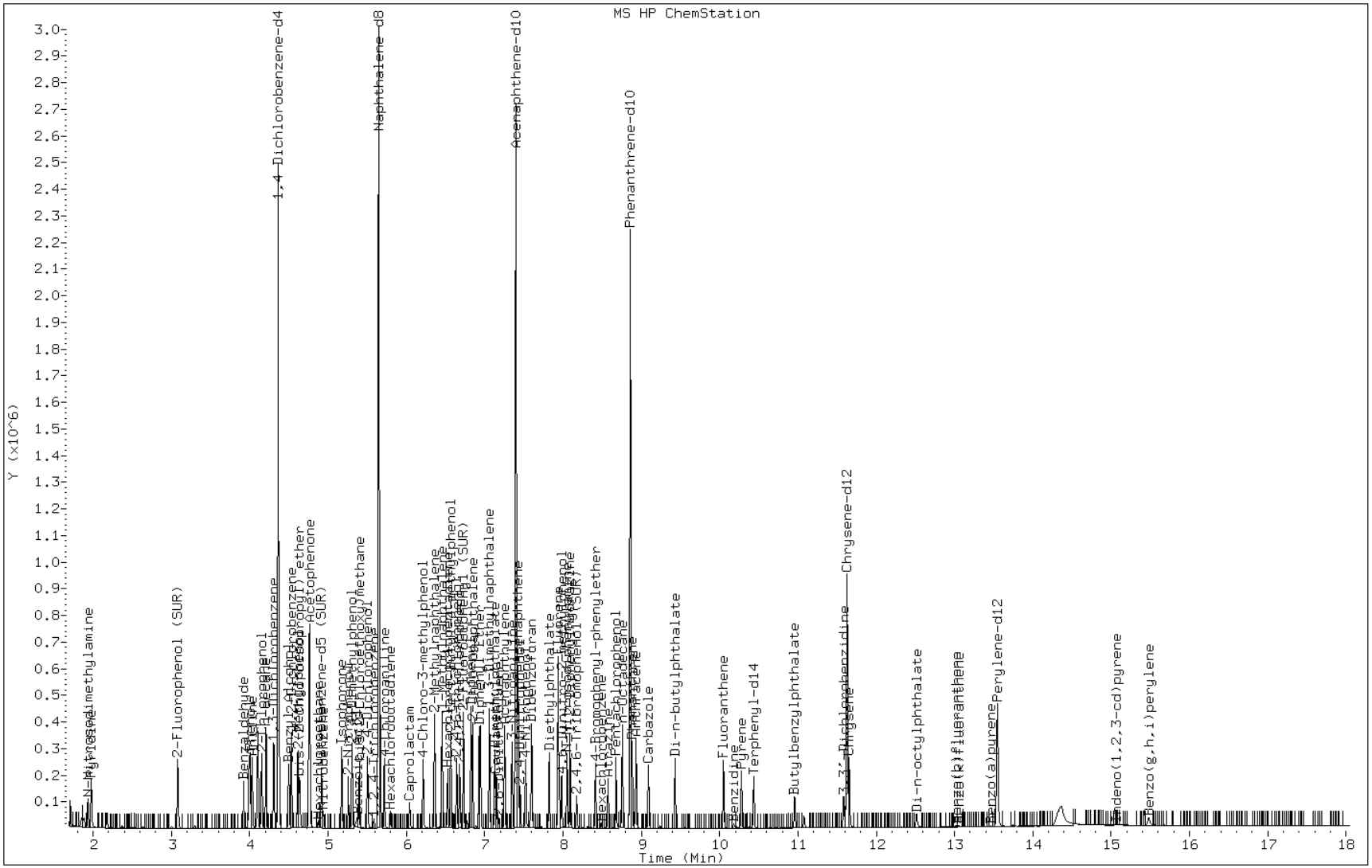
Date: 21-SEP-2009 02:46

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-154121

Operator: BNAMS 4



# Manual Integration Report

Data File: z4012.d
Inj. Date and Time: 21-SEP-2009 02:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 09/21/2009

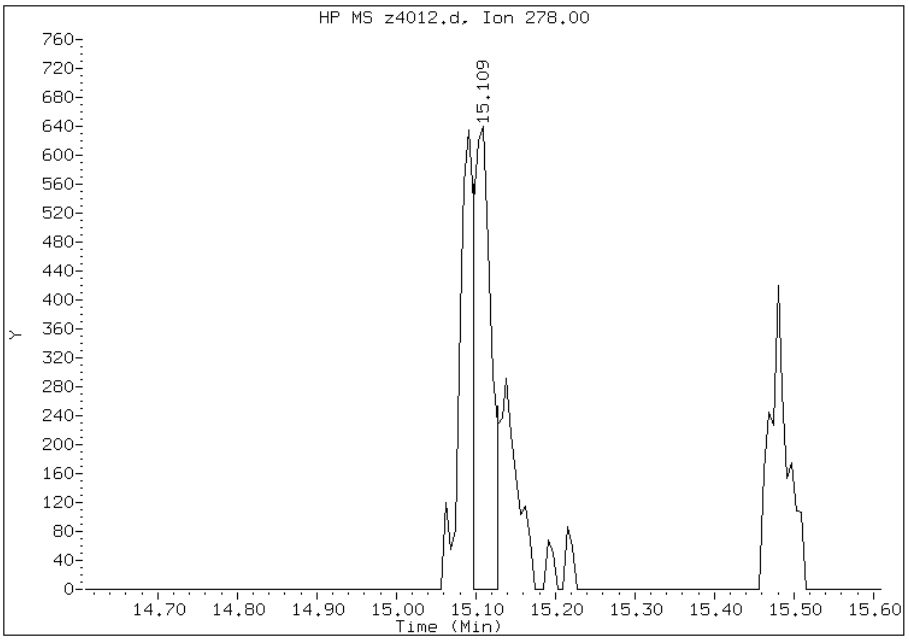
## Processing Integration Results

RT: 15.11

Response: 986

Amount: 0

Conc: 0



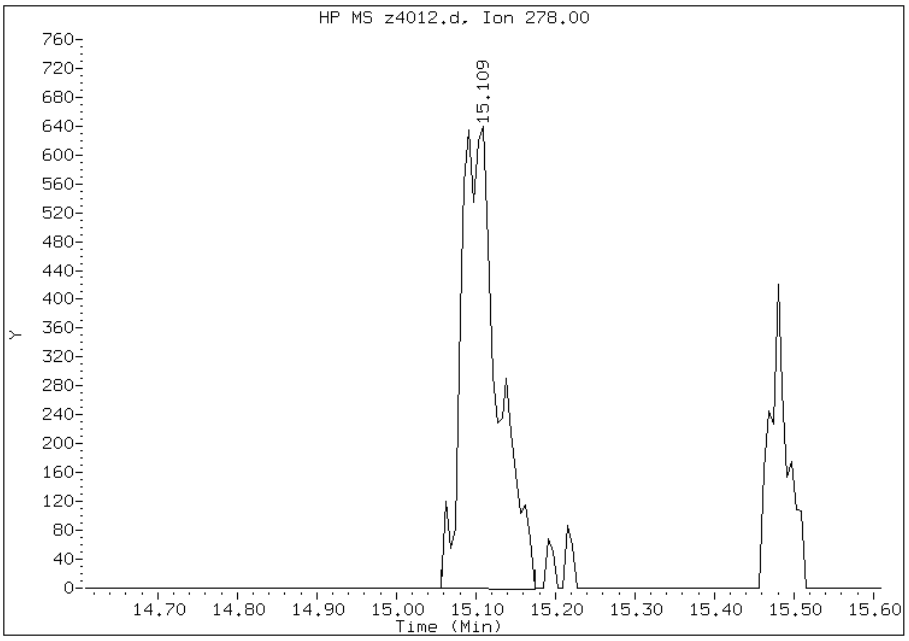

## Manual Integration Results

RT: 15.11

Response: 2064

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z4012.d
Inj. Date and Time: 21-SEP-2009 02:46
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

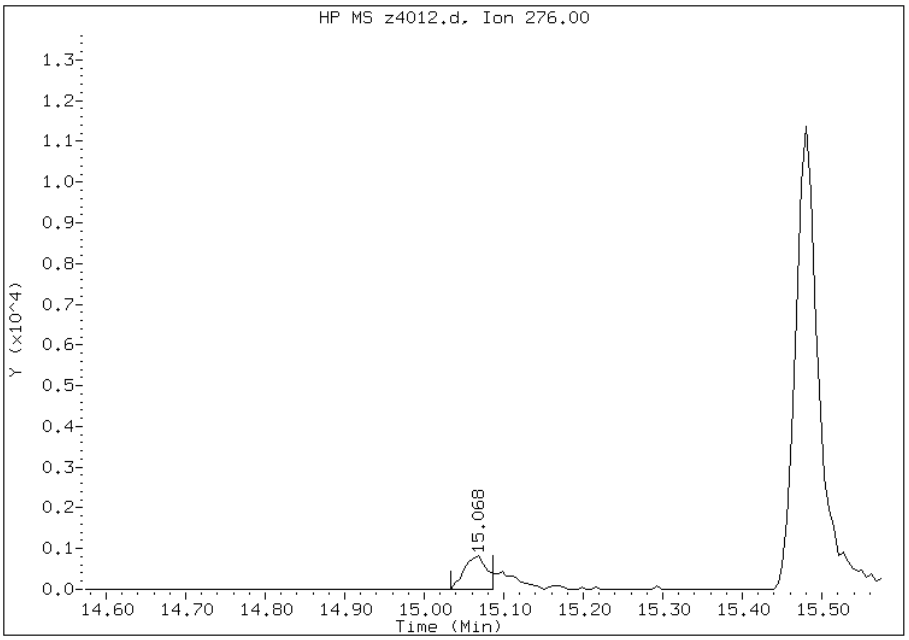
Processing Integration Results

RT: 15.07

Response: 1649

Amount: 0

Conc: 0



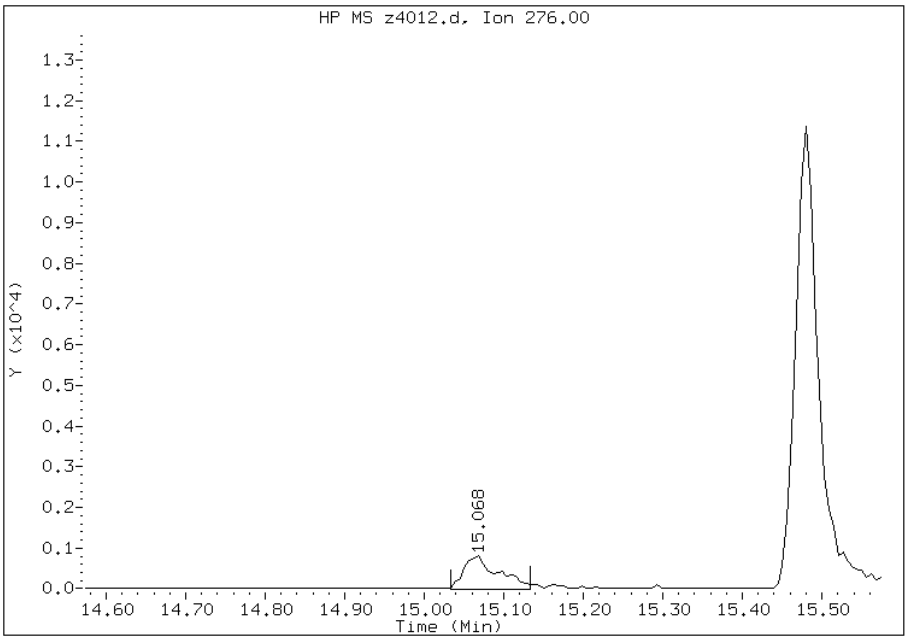

Manual Integration Results

RT: 15.07

Response: 2522

Amount: 0

Conc: 0




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Lab Smp Id: IC-154123
Inj Date : 21-SEP-2009 03:10
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154123
Misc Info : 80 ppmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.957 | 1.928 | (0.448) | 546145 | 80.0000 | 79 |
| | 71 Pyridine | 79 | 1.987 | 1.957 | (0.455) | 948960 | 80.0000 | 77 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.098 | 3.081 | (0.709) | 862452 | 80.0000 | 76 |
| | 110 Benzaldehyde | 77 | 3.934 | 3.922 | (0.900) | 328188 | 80.0000 | 67 |
| $ | 17 Phenol-d5 (SUR) | 99 | 4.028 | 4.010 | (0.922) | 937685 | 80.0000 | 77 |
| | 1 Phenol | 94 | 4.040 | 4.022 | (0.925) | 1040377 | 80.0000 | 76 |
| | 73 Aniline | 93 | 4.051 | 4.040 | (0.927) | 1198721 | 80.0000 | 76 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.116 | 4.098 | (0.942) | 904415 | 80.0000 | 77 |
| | 2 2-Chlorophenol | 128 | 4.175 | 4.163 | (0.956) | 915115 | 80.0000 | 78 |
| | 113 n-decane | 43 | 4.216 | 4.210 | (0.965) | 706245 | 80.0000 | 72 |
| | 21 1,3-Dichlorobenzene | 146 | 4.322 | 4.310 | (0.989) | 1081836 | 80.0000 | 77 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.369 | 4.369 | (1.000) | 339720 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.393 | 4.381 | (1.005) | 1075906 | 80.0000 | 77 |
| | 74 Benzyl Alcohol | 108 | 4.522 | 4.510 | (1.035) | 548858 | 80.0000 | 80 |
| | 23 1,2-Dichlorobenzene | 146 | 4.545 | 4.540 | (1.040) | 992064 | 80.0000 | 76 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 2-Methylphenol | 108 | 4.640 | 4.628 | (1.062) | 723736 | 80.0000 | 76 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.645 | 4.640 | (1.063) | 826670 | 80.0000 | 78 |
| | 104 Acetophenone | 105 | 4.787 | 4.775 | (1.096) | 1015692 | 80.0000 | 73 |
| | 4 4-Methylphenol | 108 | 4.798 | 4.781 | (1.098) | 696890 | 80.0000 | 81 |
| | 124 3 & 4 methylphenol | 108 | 4.798 | 4.781 | (1.098) | 696890 | 80.0000 | 81 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.792 | 4.781 | (1.097) | 521846 | 80.0000 | 75(M) |
| | 26 Hexachloroethane | 117 | 4.881 | 4.881 | (1.117) | 414316 | 80.0000 | 78 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.934 | 4.928 | (0.873) | 873681 | 80.0000 | 79 |
| | 27 Nitrobenzene | 77 | 4.963 | 4.951 | (0.878) | 1130187 | 80.0000 | 74 |
| | 107 N,N-Dimethylaniline | 120 | 4.963 | 4.951 | (1.136) | 1267606 | 80.0000 | 72 |
| | 28 Isophorone | 82 | 5.198 | 5.187 | (0.920) | 1527490 | 80.0000 | 79 |
| | 5 2-Nitrophenol | 139 | 5.269 | 5.263 | (0.932) | 475308 | 80.0000 | 80 |
| | 6 2,4-Dimethylphenol | 122 | 5.328 | 5.316 | (0.943) | 711303 | 80.0000 | 78 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.410 | 5.404 | (0.957) | 908378 | 80.0000 | 77 |
| | 15 Benzoic Acid | 122 | 5.487 | 5.445 | (0.971) | 255656 | 80.0000 | 76(H) |
| | 7 2,4-Dichlorophenol | 162 | 5.522 | 5.510 | (0.977) | 629036 | 80.0000 | 78 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.598 | 5.592 | (0.991) | 770590 | 80.0000 | 76 |
| * | 80 Naphthalene-d8 | 136 | 5.651 | 5.651 | (1.000) | 1202623 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.675 | 5.669 | (1.004) | 2418938 | 80.0000 | 76 |
| | 32 4-Chloroaniline | 127 | 5.734 | 5.728 | (1.015) | 902218 | 80.0000 | 77 |
| | 33 Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.027) | 461034 | 80.0000 | 76 |
| | 111 Caprolactam | 113 | 6.139 | 6.104 | (1.086) | 192605 | 80.0000 | 83(H) |
| | 8 4-Chloro-3-methylphenol | 107 | 6.234 | 6.228 | (1.103) | 650810 | 80.0000 | 80 |
| | 34 2-Methylnaphthalene | 142 | 6.369 | 6.363 | (1.127) | 1465874 | 80.0000 | 77 |
| | 120 1-Methylnaphthalene | 142 | 6.469 | 6.463 | (1.145) | 1408330 | 80.0000 | 76 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.534 | 6.534 | (0.882) | 468211 | 80.0000 | 81 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.581 | 6.575 | (1.164) | 955907 | 80.0000 | 77 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.657 | 6.651 | (0.899) | 412655 | 80.0000 | 78 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.698 | 6.692 | (0.905) | 399068 | 80.0000 | 77 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.739 | 6.734 | (0.910) | 1475672 | 80.0000 | 76 |
| | 102 Diphenyl | 154 | 6.839 | 6.834 | (0.924) | 1658915 | 80.0000 | 76 |
| | 36 2-Chloronaphthalene | 162 | 6.857 | 6.851 | (0.926) | 1319610 | 80.0000 | 76 |
| | 103 Diphenyl Ether | 170 | 6.939 | 6.939 | (0.937) | 922091 | 80.0000 | 77 |
| | 37 2-Nitroaniline | 65 | 6.963 | 6.957 | (0.940) | 376556 | 80.0000 | 73(H) |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.075 | 7.069 | (0.956) | 1059390 | 80.0000 | 77 |
| | 38 Dimethylphthalate | 163 | 7.145 | 7.139 | (0.965) | 1294306 | 80.0000 | 76 |
| | 114 Coumarin | 146 | 7.169 | 7.157 | (0.968) | 396764 | 80.0000 | 75 |
| | 40 2,6-Dinitrotoluene | 165 | 7.204 | 7.198 | (0.973) | 303961 | 80.0000 | 80 |
| | 39 Acenaphthylene | 152 | 7.269 | 7.263 | (0.982) | 2008252 | 80.0000 | 77 |
| | 41 3-Nitroaniline | 138 | 7.369 | 7.363 | (0.995) | 286762 | 80.0000 | 76 |
| * | 82 Acenaphthene-d10 | 164 | 7.404 | 7.404 | (1.000) | 557514 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.439 | 7.439 | (1.005) | 1144433 | 80.0000 | 76 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.428 | 7.428 | (1.003) | 1079099 | 80.0000 | 77 |
| | 11 2,4-Dinitrophenol | 184 | 7.469 | 7.463 | (1.009) | 140182 | 80.0000 | 82 |
| | 12 4-Nitrophenol | 65 | 7.539 | 7.534 | (1.018) | 190379 | 80.0000 | 79 |
| | 44 2,4-Dinitrotoluene | 165 | 7.598 | 7.592 | (1.026) | 345847 | 80.0000 | 78 |
| | 43 Dibenzofuran | 168 | 7.610 | 7.604 | (1.028) | 1632324 | 80.0000 | 76 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4013.d
Report Date: 21-Sep-2009 13:30

| | | QUANT SIG | | | | | AMOUNTS CAL-AMT | ON-COL |
|---|---|---|---|---|---|---|---|---|
| Compounds | | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| 45 | Diethylphthalate | 149 | 7.839 | 7.833 | (1.059) | 1215774 | 80.0000 | 77 |
| 47 | Fluorene | 166 | 7.945 | 7.945 | (1.073) | 1245455 | 80.0000 | 76 |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.945 | 7.945 | (1.073) | 613287 | 80.0000 | 76 |
| 48 | 4-Nitroaniline | 138 | 7.975 | 7.969 | (1.077) | 232402 | 80.0000 | 73 |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 8.004 | 7.998 | (0.903) | 159949 | 80.0000 | 86 |
| 49 | N-Nitrosodiphenylamine | 169 | 8.063 | 8.063 | (0.910) | 760326 | 80.0000 | 75 |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.104 | 8.098 | (0.914) | 1424226 | 80.0000 | 80 |
| $ 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.186 | 8.181 | (1.106) | 148738 | 80.0000 | 78 |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.428 | 8.422 | (0.951) | 340944 | 80.0000 | 80 |
| 51 | Hexachlorobenzene | 284 | 8.498 | 8.492 | (0.959) | 325935 | 80.0000 | 80 |
| 112 | Atrazine | 200 | 8.592 | 8.586 | (0.969) | 218972 | 80.0000 | 76 |
| 14 | Pentachlorophenol | 266 | 8.686 | 8.686 | (0.980) | 158623 | 80.0000 | 86 |
| 115 | n-Octadecane | 57 | 8.763 | 8.763 | (0.989) | 725711 | 80.0000 | 78 |
| * 83 | Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 636584 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.892 | 8.892 | (1.003) | 1403274 | 80.0000 | 78 |
| 53 | Anthracene | 178 | 8.939 | 8.939 | (1.009) | 1428255 | 80.0000 | 78 |
| 54 | Carbazole | 167 | 9.098 | 9.098 | (1.027) | 1058881 | 80.0000 | 76 |
| 55 | Di-n-butylphthalate | 149 | 9.439 | 9.439 | (1.065) | 1445957 | 80.0000 | 79 |
| 56 | Fluoranthene | 202 | 10.057 | 10.063 | (1.135) | 1088818 | 80.0000 | 77 |
| 58 | Benzidine | 184 | 10.186 | 10.186 | (1.149) | 52976 | 80.0000 | 41 |
| 57 | Pyrene | 202 | 10.286 | 10.286 | (0.884) | 1052652 | 80.0000 | 77 |
| $ 78 | Terphenyl-d14 | 244 | 10.439 | 10.439 | (0.897) | 680843 | 80.0000 | 78 |
| 59 | Butylbenzylphthalate | 149 | 10.963 | 10.969 | (0.942) | 424579 | 80.0000 | 83 |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.592 | (0.996) | 168157 | 80.0000 | 76 |
| 61 | Benzo(a)anthracene | 228 | 11.616 | 11.621 | (0.998) | 686318 | 80.0000 | 77 |
| * 81 | Chrysene-d12 | 240 | 11.633 | 11.633 | (1.000) | 312350 | 40.0000 | |
| 62 | Chrysene | 228 | 11.663 | 11.669 | (1.003) | 641593 | 80.0000 | 78 |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.002) | 544062 | 80.0000 | 82 |
| 64 | Di-n-octylphthalate | 149 | 12.516 | 12.521 | (0.924) | 750884 | 80.0000 | 85 |
| 65 | Benzo(b)fluoranthene | 252 | 13.027 | 13.027 | (0.961) | 498741 | 80.0000 | 82 |
| 66 | Benzo(k)fluoranthene | 252 | 13.068 | 13.068 | (0.964) | 557859 | 80.0000 | 86 |
| 67 | Benzo(a)pyrene | 252 | 13.474 | 13.474 | (0.994) | 441215 | 80.0000 | 85 |
| * 84 | Perylene-d12 | 264 | 13.551 | 13.551 | (1.000) | 213618 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.074 | 15.074 | (1.112) | 409590 | 80.0000 | 83 |
| 69 | Dibenz(a,h)anthracene | 278 | 15.109 | 15.110 | (1.115) | 399058 | 80.0000 | 84 |
| 70 | Benzo(g,h,i)perylene | 276 | 15.498 | 15.498 | (1.144) | 400975 | 80.0000 | 82 |

QC Flag Legend

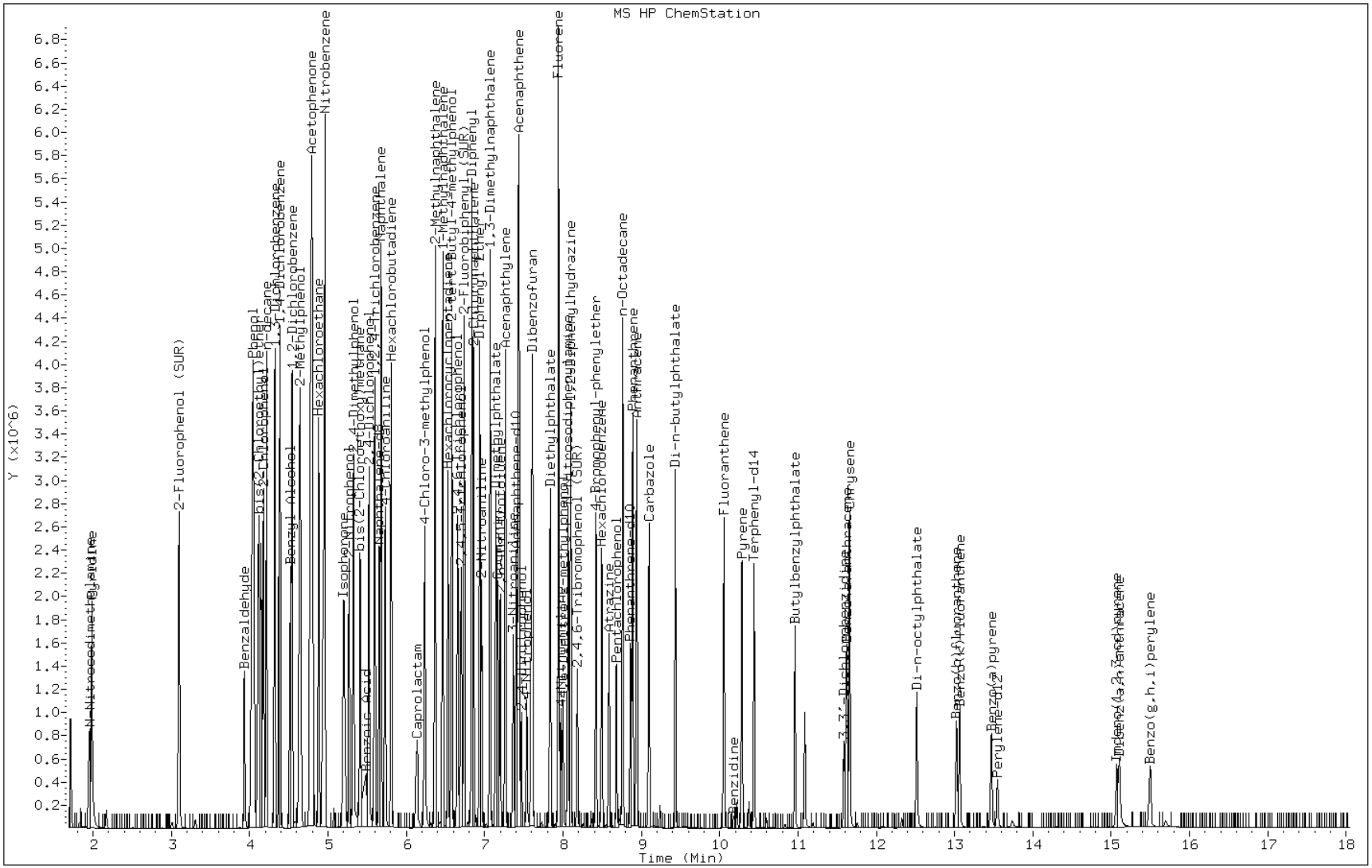
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4013.d

Date: 21-SEP-2009 03:10

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154123 Operator: BNAMS 4



# Manual Integration Report

Data File: z4013.d
Inj. Date and Time: 21-SEP-2009 03:10
Instrument ID: BNAMS11.i
Client ID:
Compound:  25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/21/2009

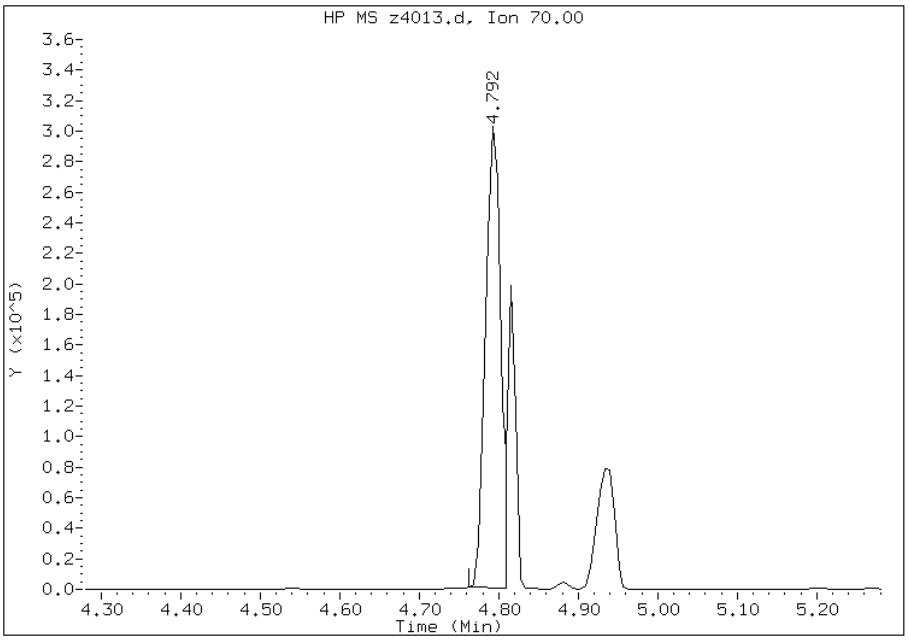
## Processing Integration Results

RT: 4.79

Response: 410721

Amount: 67

Conc: 67



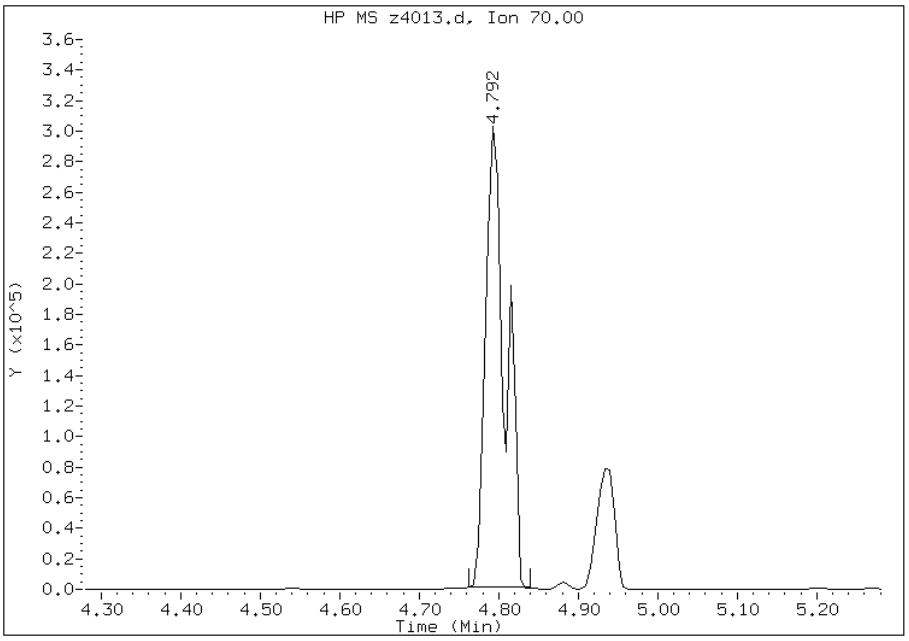

## Manual Integration Results

RT: 4.79

Response: 521846

Amount: 75

Conc: 75




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Lab Smp Id: IC-154122
Inj Date : 21-SEP-2009 03:34
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154122
Misc Info : 20 ppm bna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 07:05 asfawa Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.922 | 1.922 | (0.441) | 118921 | 20.0000 | 20(H) |
| | 71 Pyridine | 79 | 1.957 | 1.957 | (0.449) | 217697 | 20.0000 | 20 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 205419 | 20.0000 | 21 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 116727 | 20.0000 | 26 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.998 | 3.998 | (0.916) | 222156 | 20.0000 | 21 |
| | 1 Phenol | 94 | 4.010 | 4.010 | (0.919) | 252999 | 20.0000 | 21(H) |
| | 73 Aniline | 93 | 4.034 | 4.034 | (0.924) | 308283 | 20.0000 | 22 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.093 | 4.093 | (0.938) | 204476 | 20.0000 | 20 |
| | 2 2-Chlorophenol | 128 | 4.157 | 4.157 | (0.953) | 218026 | 20.0000 | 21 |
| | 113 n-decane | 43 | 4.210 | 4.210 | (0.965) | 194859 | 20.0000 | 22 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 250818 | 20.0000 | 20 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.363 | (1.000) | 293110 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 250403 | 20.0000 | 20 |
| | 74 Benzyl Alcohol | 108 | 4.498 | 4.498 | (1.031) | 120603 | 20.0000 | 20 |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.534 | (1.039) | 235149 | 20.0000 | 21 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

| | | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|---|
| | | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| | 3 | 2-Methylphenol | 108 | 4.616 | 4.616 | (1.058) | 176472 | 20.0000 | 21 |
| | 24 | bis (2-chloroisopropyl) ether | 45 | 4.640 | 4.640 | (1.063) | 230806 | 20.0000 | 20 |
| | 104 | Acetophenone | 105 | 4.769 | 4.769 | (1.093) | 263818 | 20.0000 | 22 |
| | 4 | 4-Methylphenol | 108 | 4.769 | 4.769 | (1.093) | 187111 | 20.0000 | 25 |
| | 124 | 3 & 4 methylphenol | 108 | 4.769 | 4.769 | (1.093) | 187111 | 20.0000 | 25 |
| | 25 | N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.769 | (1.093) | 125855 | 20.0000 | 21 |
| | 26 | Hexachloroethane | 117 | 4.875 | 4.875 | (1.117) | 98410 | 20.0000 | 21 |
| $ | 76 | Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.916 | (0.871) | 209949 | 20.0000 | 21 |
| | 27 | Nitrobenzene | 77 | 4.940 | 4.940 | (0.875) | 289954 | 20.0000 | 21(H) |
| | 107 | N,N-Dimethylaniline | 120 | 4.945 | 4.945 | (1.133) | 313152 | 20.0000 | 21 |
| | 28 | Isophorone | 82 | 5.181 | 5.181 | (0.918) | 349801 | 20.0000 | 20 |
| | 5 | 2-Nitrophenol | 139 | 5.263 | 5.263 | (0.932) | 108343 | 20.0000 | 21 |
| | 6 | 2,4-Dimethylphenol | 122 | 5.310 | 5.310 | (0.941) | 167543 | 20.0000 | 21 |
| | 29 | bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.398 | (0.956) | 212265 | 20.0000 | 20 |
| | 15 | Benzoic Acid | 122 | 5.410 | 5.410 | (0.958) | 77050 | 20.0000 | 25(H) |
| | 7 | 2,4-Dichlorophenol | 162 | 5.504 | 5.504 | (0.975) | 150573 | 20.0000 | 21 |
| | 30 | 1,2,4-Trichlorobenzene | 180 | 5.593 | 5.593 | (0.991) | 180194 | 20.0000 | 20 |
| * | 80 | Naphthalene-d8 | 136 | 5.645 | 5.645 | (1.000) | 1048427 | 40.0000 | |
| | 31 | Naphthalene | 128 | 5.669 | 5.669 | (1.004) | 577069 | 20.0000 | 21 |
| | 32 | 4-Chloroaniline | 127 | 5.722 | 5.722 | (1.014) | 221200 | 20.0000 | 21 |
| | 33 | Hexachlorobutadiene | 225 | 5.804 | 5.804 | (1.028) | 108420 | 20.0000 | 20 |
| | 111 | Caprolactam | 113 | 6.069 | 6.069 | (1.075) | 43052 | 20.0000 | 21(H) |
| | 8 | 4-Chloro-3-methylphenol | 107 | 6.216 | 6.216 | (1.101) | 148876 | 20.0000 | 21 |
| | 34 | 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 350367 | 20.0000 | 21 |
| | 120 | 1-Methylnaphthalene | 142 | 6.463 | 6.463 | (1.145) | 344397 | 20.0000 | 21 |
| | 35 | Hexachlorocyclopentadiene | 237 | 6.528 | 6.528 | (0.882) | 99098 | 20.0000 | 19 |
| | 121 | 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.569 | (1.164) | 236269 | 20.0000 | 21 |
| | 9 | 2,4,6-Trichlorophenol | 196 | 6.645 | 6.645 | (0.898) | 93701 | 20.0000 | 20 |
| | 10 | 2,4,5-Trichlorophenol | 196 | 6.687 | 6.687 | (0.904) | 97145 | 20.0000 | 21 |
| $ | 77 | 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.728 | (0.909) | 363797 | 20.0000 | 21 |
| | 102 | Diphenyl | 154 | 6.828 | 6.828 | (0.923) | 403470 | 20.0000 | 21 |
| | 36 | 2-Chloronaphthalene | 162 | 6.845 | 6.845 | (0.925) | 320012 | 20.0000 | 21 |
| | 103 | Diphenyl Ether | 170 | 6.934 | 6.934 | (0.937) | 218358 | 20.0000 | 20 |
| | 37 | 2-Nitroaniline | 65 | 6.951 | 6.951 | (0.940) | 108902 | 20.0000 | 23 |
| | 123 | 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.063 | (0.955) | 259240 | 20.0000 | 21 |
| | 38 | Dimethylphthalate | 163 | 7.134 | 7.134 | (0.964) | 310663 | 20.0000 | 20 |
| | 114 | Coumarin | 146 | 7.151 | 7.151 | (0.967) | 99541 | 20.0000 | 21 |
| | 40 | 2,6-Dinitrotoluene | 165 | 7.187 | 7.187 | (0.971) | 70155 | 20.0000 | 21 |
| | 39 | Acenaphthylene | 152 | 7.257 | 7.257 | (0.981) | 481273 | 20.0000 | 20 |
| | 41 | 3-Nitroaniline | 138 | 7.357 | 7.357 | (0.994) | 72023 | 20.0000 | 21 |
| * | 82 | Acenaphthene-d10 | 164 | 7.398 | 7.398 | (1.000) | 496353 | 40.0000 | |
| | 42 | Acenaphthene | 154 | 7.434 | 7.434 | (1.005) | 277900 | 20.0000 | 20 |
| | 122 | 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.422 | (1.003) | 265457 | 20.0000 | 21 |
| | 11 | 2,4-Dinitrophenol | 184 | 7.457 | 7.457 | (1.008) | 36838 | 30.0000 | 27 |
| | 12 | 4-Nitrophenol | 65 | 7.528 | 7.528 | (1.017) | 65458 | 30.0000 | 30 |
| | 44 | 2,4-Dinitrotoluene | 165 | 7.586 | 7.586 | (1.025) | 85789 | 20.0000 | 21 |
| | 43 | Dibenzofuran | 168 | 7.598 | 7.598 | (1.027) | 408096 | 20.0000 | 21 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4014.d
Report Date: 21-Sep-2009 07:05

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| 45 | Diethylphthalate | 149 | 7.828 | 7.828 | (1.058) | 293202 | 20.0000 | 21 |
| 47 | Fluorene | 166 | 7.939 | 7.939 | (1.073) | 307220 | 20.0000 | 21 |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.939 | (1.073) | 145086 | 20.0000 | 20 |
| 48 | 4-Nitroaniline | 138 | 7.957 | 7.957 | (1.076) | 63960 | 20.0000 | 22 |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.986 | (0.901) | 50497 | 30.0000 | 28 |
| 49 | N-Nitrosodiphenylamine | 169 | 8.057 | 8.057 | (0.909) | 186839 | 20.0000 | 19 |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.092 | 8.092 | (0.913) | 352771 | 20.0000 | 20 |
| $ 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.175 | (1.105) | 33294 | 20.0000 | 20 |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.416 | 8.416 | (0.950) | 79392 | 20.0000 | 19 |
| 51 | Hexachlorobenzene | 284 | 8.486 | 8.486 | (0.958) | 76751 | 20.0000 | 20 |
| 112 | Atrazine | 200 | 8.581 | 8.581 | (0.968) | 59524 | 20.0000 | 21 |
| 14 | Pentachlorophenol | 266 | 8.681 | 8.681 | (0.979) | 48638 | 30.0000 | 28 |
| 115 | n-Octadecane | 57 | 8.757 | 8.757 | (0.988) | 193665 | 20.0000 | 21 |
| * 83 | Phenanthrene-d10 | 188 | 8.863 | 8.863 | (1.000) | 615526 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.886 | 8.886 | (1.003) | 358788 | 20.0000 | 20 |
| 53 | Anthracene | 178 | 8.933 | 8.933 | (1.008) | 367189 | 20.0000 | 21 |
| 54 | Carbazole | 167 | 9.092 | 9.092 | (1.026) | 286783 | 20.0000 | 21 |
| 55 | Di-n-butylphthalate | 149 | 9.433 | 9.433 | (1.064) | 370982 | 20.0000 | 21 |
| 56 | Fluoranthene | 202 | 10.051 | 10.051 | (1.134) | 290652 | 20.0000 | 21 |
| 58 | Benzidine | 184 | 10.180 | 10.180 | (1.149) | 92056 | 30.0000 | 54 |
| 57 | Pyrene | 202 | 10.280 | 10.280 | (0.884) | 288537 | 20.0000 | 21 |
| $ 78 | Terphenyl-d14 | 244 | 10.433 | 10.433 | (0.897) | 188644 | 20.0000 | 21 |
| 59 | Butylbenzylphthalate | 149 | 10.957 | 10.957 | (0.942) | 104852 | 20.0000 | 20 |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.586 | 11.586 | (0.996) | 70496 | 30.0000 | 32 |
| 61 | Benzo(a)anthracene | 228 | 11.616 | 11.616 | (0.999) | 170433 | 20.0000 | 19 |
| * 81 | Chrysene-d12 | 240 | 11.627 | 11.627 | (1.000) | 308090 | 40.0000 | |
| 62 | Chrysene | 228 | 11.657 | 11.657 | (1.003) | 162388 | 20.0000 | 20 |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.657 | (1.003) | 131488 | 20.0000 | 20 |
| 64 | Di-n-octylphthalate | 149 | 12.510 | 12.510 | (0.924) | 151266 | 20.0000 | 20 |
| 65 | Benzo(b)fluoranthene | 252 | 13.021 | 13.021 | (0.961) | 109119 | 20.0000 | 20 |
| 66 | Benzo(k)fluoranthene | 252 | 13.057 | 13.057 | (0.964) | 125296 | 20.0000 | 22 |
| 67 | Benzo(a)pyrene | 252 | 13.463 | 13.463 | (0.994) | 90516 | 20.0000 | 20 |
| * 84 | Perylene-d12 | 264 | 13.545 | 13.545 | (1.000) | 186425 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.062 | 15.062 | (1.112) | 79518 | 20.0000 | 19(M) |
| 69 | Dibenz(a,h)anthracene | 278 | 15.098 | 15.098 | (1.115) | 77505 | 20.0000 | 19 |
| 70 | Benzo(g,h,i)perylene | 276 | 15.480 | 15.480 | (1.143) | 81560 | 20.0000 | 19 |

QC Flag Legend

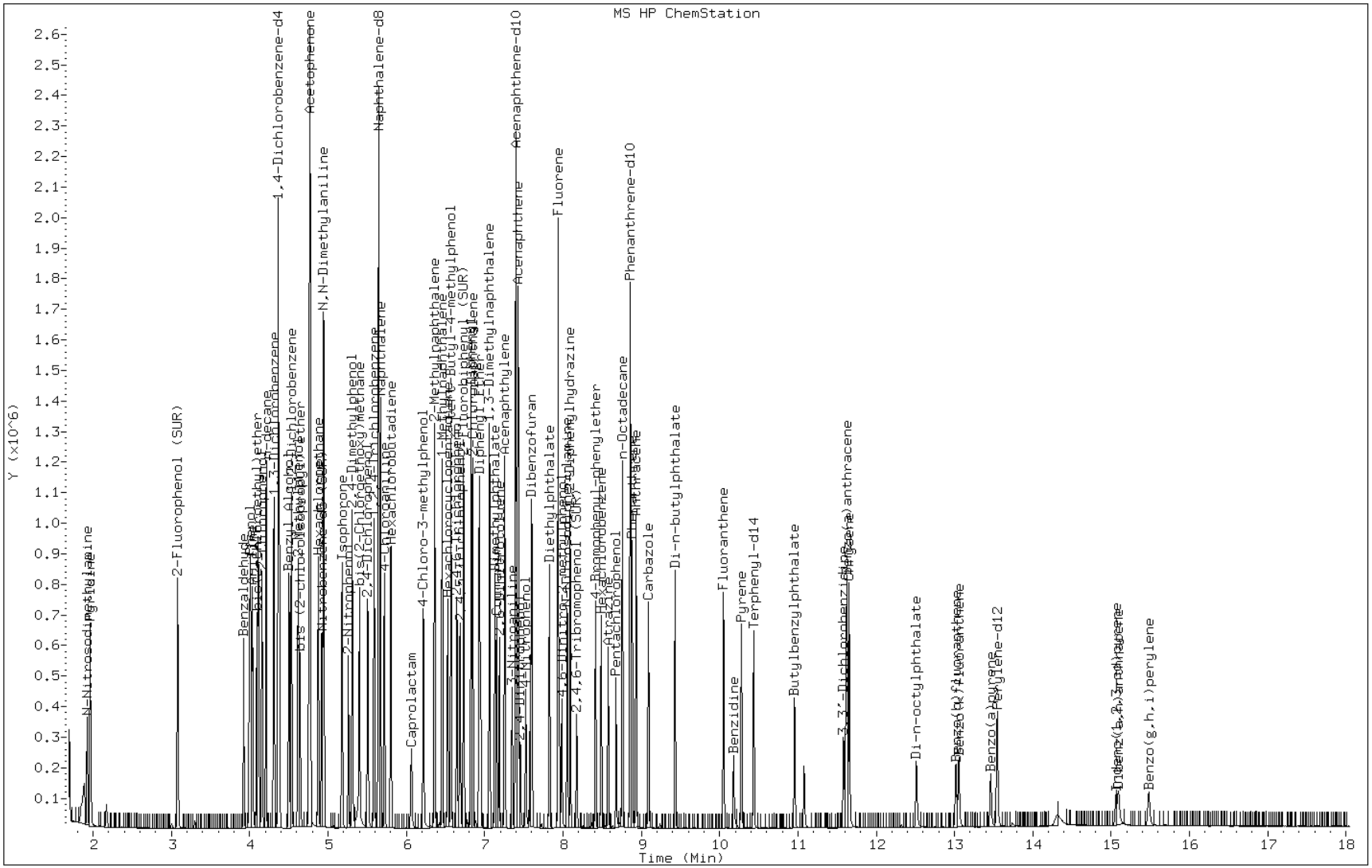
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z4014.d

Date: 21-SEP-2009 03:34

Client ID: Instrument: BNAMS11.i

Sample Info: IC-154122 Operator: BNAMS 4



# Manual Integration Report

Data File: z4014.d
Inj. Date and Time: 21-SEP-2009 03:34
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

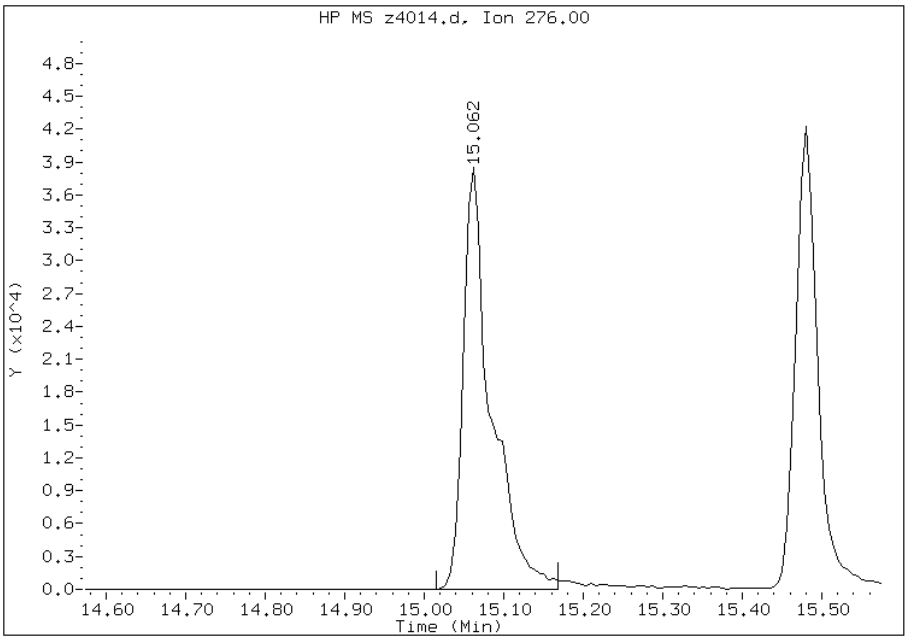
## Processing Integration Results

RT: 15.06

Response: 94563

Amount: 22

Conc: 22



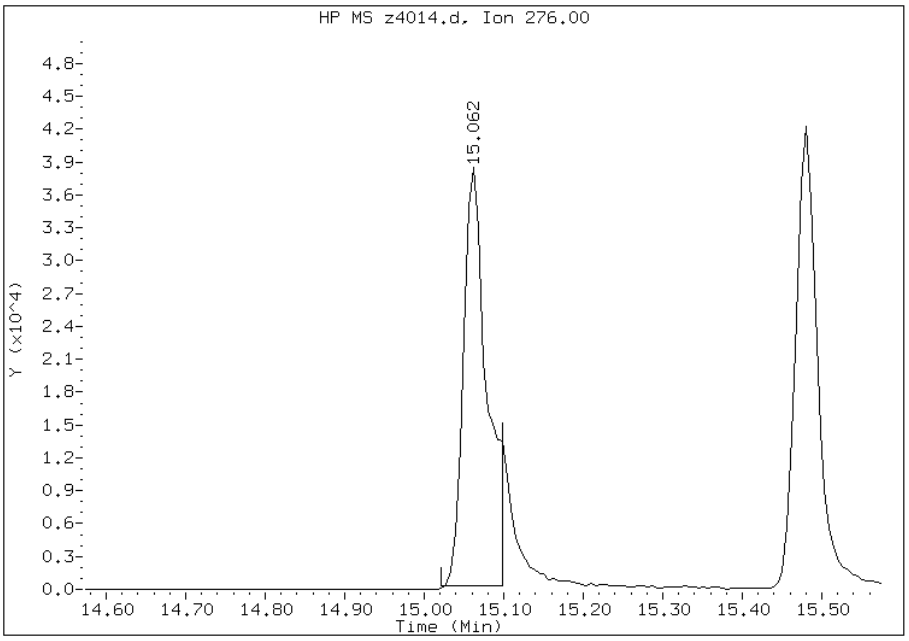

## Manual Integration Results

RT: 15.06

Response: 79518

Amount: 19

Conc: 19




Manually Integrated By: rusin
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Lab Smp Id: IC-154125
Inj Date : 21-SEP-2009 03:58
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-154125
Misc Info : 10 ppmmbna4392
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/8270C_08SP.m
Meth Date : 21-Sep-2009 13:27 rusin Quant Type: ISTD
Cal Date : 21-SEP-2009 01:32 Cal File: z4010.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | AMOUNTS ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.928 | 1.928 | (0.442) | 73140 | 10.0000 | 10 |
| | 71 Pyridine | 79 | 1.963 | 1.957 | (0.450) | 133439 | 10.0000 | 10 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.081 | 3.081 | (0.706) | 129937 | 10.0000 | 11 |
| | 110 Benzaldehyde | 77 | 3.922 | 3.922 | (0.899) | 71765 | 10.0000 | 13 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.993 | 4.010 | (0.915) | 140891 | 10.0000 | 11 |
| | 1 Phenol | 94 | 4.004 | 4.022 | (0.918) | 144955 | 10.0000 | 10 |
| | 73 Aniline | 93 | 4.028 | 4.040 | (0.923) | 187550 | 10.0000 | 11 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.093 | 4.098 | (0.938) | 124194 | 10.0000 | 10 |
| | 2 2-Chlorophenol | 128 | 4.151 | 4.163 | (0.951) | 127366 | 10.0000 | 10 |
| | 113 n-decane | 43 | 4.204 | 4.210 | (0.964) | 118248 | 10.0000 | 11 |
| | 21 1,3-Dichlorobenzene | 146 | 4.310 | 4.310 | (0.988) | 151676 | 10.0000 | 10 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.363 | 4.369 | (1.000) | 343570 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.381 | 4.381 | (1.004) | 151025 | 10.0000 | 10 |
| | 74 Benzyl Alcohol | 108 | 4.498 | 4.510 | (1.031) | 75846 | 10.0000 | 11 |
| | 23 1,2-Dichlorobenzene | 146 | 4.534 | 4.540 | (1.039) | 142036 | 10.0000 | 10 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.616 | 4.628 | (1.058) | 103410 | 10.0000 | 10 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.634 | 4.640 | (1.062) | 144471 | 10.0000 | 10 |
| | 104 Acetophenone | 105 | 4.763 | 4.775 | (1.092) | 161005 | 10.0000 | 11 |
| | 4 4-Methylphenol | 108 | 4.769 | 4.781 | (1.093) | 114617 | 10.0000 | 13 |
| | 124 3 & 4 methylphenol | 108 | 4.769 | 4.781 | (1.093) | 114617 | 10.0000 | 13 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.769 | 4.781 | (1.093) | 79149 | 10.0000 | 11 |
| | 26 Hexachloroethane | 117 | 4.875 | 4.881 | (1.117) | 60450 | 10.0000 | 11 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.916 | 4.928 | (0.871) | 122877 | 10.0000 | 10 |
| | 27 Nitrobenzene | 77 | 4.940 | 4.951 | (0.875) | 179691 | 10.0000 | 11 |
| | 107 N,N-Dimethylaniline | 120 | 4.940 | 4.951 | (1.132) | 193230 | 10.0000 | 11 |
| | 28 Isophorone | 82 | 5.175 | 5.187 | (0.917) | 213538 | 10.0000 | 10 |
| | 5 2-Nitrophenol | 139 | 5.257 | 5.263 | (0.931) | 61025 | 10.0000 | 9.9 |
| | 6 2,4-Dimethylphenol | 122 | 5.310 | 5.316 | (0.941) | 98427 | 10.0000 | 10 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.398 | 5.404 | (0.956) | 129907 | 10.0000 | 10 |
| | 15 Benzoic Acid | 122 | 5.393 | 5.445 | (0.955) | 39266 | 10.0000 | 10 |
| | 7 2,4-Dichlorophenol | 162 | 5.504 | 5.510 | (0.975) | 86671 | 10.0000 | 10 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.587 | 5.592 | (0.990) | 112442 | 10.0000 | 11 |
| * | 80 Naphthalene-d8 | 136 | 5.645 | 5.651 | (1.000) | 1236156 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.669 | 5.669 | (1.004) | 363002 | 10.0000 | 11 |
| | 32 4-Chloroaniline | 127 | 5.722 | 5.728 | (1.014) | 140520 | 10.0000 | 11 |
| | 33 Hexachlorobutadiene | 225 | 5.798 | 5.804 | (1.027) | 66023 | 10.0000 | 10 |
| | 111 Caprolactam | 113 | 6.051 | 6.104 | (1.072) | 25298 | 10.0000 | 10 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.216 | 6.228 | (1.101) | 88837 | 10.0000 | 10 |
| | 34 2-Methylnaphthalene | 142 | 6.363 | 6.363 | (1.127) | 214029 | 10.0000 | 11 |
| | 120 1-Methylnaphthalene | 142 | 6.457 | 6.463 | (1.144) | 212351 | 10.0000 | 11 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.528 | 6.534 | (0.882) | 55753 | 10.0000 | 9.3 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.569 | 6.575 | (1.164) | 145042 | 10.0000 | 11 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.645 | 6.651 | (0.898) | 54868 | 10.0000 | 9.7 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.681 | 6.692 | (0.903) | 56431 | 10.0000 | 10 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.728 | 6.734 | (0.909) | 214736 | 10.0000 | 10 |
| | 102 Diphenyl | 154 | 6.828 | 6.834 | (0.923) | 245508 | 10.0000 | 10 |
| | 36 2-Chloronaphthalene | 162 | 6.845 | 6.851 | (0.925) | 198167 | 10.0000 | 10 |
| | 103 Diphenyl Ether | 170 | 6.934 | 6.939 | (0.937) | 135294 | 10.0000 | 10 |
| | 37 2-Nitroaniline | 65 | 6.945 | 6.957 | (0.939) | 66657 | 10.0000 | 11 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.063 | 7.069 | (0.955) | 156449 | 10.0000 | 10 |
| | 38 Dimethylphthalate | 163 | 7.128 | 7.139 | (0.963) | 195700 | 10.0000 | 11 |
| | 114 Coumarin | 146 | 7.151 | 7.157 | (0.967) | 62641 | 10.0000 | 11 |
| | 40 2,6-Dinitrotoluene | 165 | 7.187 | 7.198 | (0.971) | 41745 | 10.0000 | 10 |
| | 39 Acenaphthylene | 152 | 7.257 | 7.263 | (0.981) | 301427 | 10.0000 | 11 |
| | 41 3-Nitroaniline | 138 | 7.351 | 7.363 | (0.994) | 44234 | 10.0000 | 11 |
| * | 82 Acenaphthene-d10 | 164 | 7.398 | 7.404 | (1.000) | 593987 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.428 | 7.439 | (1.004) | 175927 | 10.0000 | 11 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.422 | 7.428 | (1.003) | 160010 | 10.0000 | 10 |
| | 11 2,4-Dinitrophenol | 184 | 7.451 | 7.463 | (1.007) | 26335 | 20.0000 | 17 |
| | 12 4-Nitrophenol | 65 | 7.528 | 7.534 | (1.017) | 51097 | 20.0000 | 20 |
| | 44 2,4-Dinitrotoluene | 165 | 7.581 | 7.592 | (1.025) | 50319 | 10.0000 | 10 |
| | 43 Dibenzofuran | 168 | 7.598 | 7.604 | (1.027) | 253500 | 10.0000 | 11 |

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4015.d
Report Date: 21-Sep-2009 13:32

| | | QUANT SIG | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| 45 | Diethylphthalate | 149 | 7.828 | 7.833 | (1.058) | 179325 | 10.0000 | 10 |
| 47 | Fluorene | 166 | 7.939 | 7.945 | (1.073) | 189054 | 10.0000 | 11 |
| 46 | 4-Chlorophenyl-phenylether | 204 | 7.939 | 7.945 | (1.073) | 91729 | 10.0000 | 10 |
| 48 | 4-Nitroaniline | 138 | 7.951 | 7.969 | (1.075) | 39288 | 10.0000 | 11 |
| 13 | 4,6-Dinitro-2-methylphenol | 198 | 7.986 | 7.998 | (0.901) | 36708 | 20.0000 | 18 |
| 49 | N-Nitrosodiphenylamine | 169 | 8.051 | 8.063 | (0.908) | 116830 | 10.0000 | 10 |
| 75 | 1,2-Diphenylhydrazine | 77 | 8.092 | 8.098 | (0.913) | 217804 | 10.0000 | 10 |
| $ 18 | 2,4,6-Tribromophenol (SUR) | 330 | 8.175 | 8.181 | (1.105) | 21117 | 10.0000 | 10 |
| 50 | 4-Bromophenyl-phenylether | 248 | 8.416 | 8.422 | (0.950) | 48400 | 10.0000 | 10 |
| 51 | Hexachlorobenzene | 284 | 8.486 | 8.492 | (0.958) | 47805 | 10.0000 | 10 |
| 112 | Atrazine | 200 | 8.581 | 8.586 | (0.968) | 36481 | 10.0000 | 11 |
| 14 | Pentachlorophenol | 266 | 8.681 | 8.686 | (0.979) | 36697 | 20.0000 | 18 |
| 115 | n-Octadecane | 57 | 8.757 | 8.763 | (0.988) | 117218 | 10.0000 | 11 |
| * 83 | Phenanthrene-d10 | 188 | 8.863 | 8.869 | (1.000) | 729585 | 40.0000 | |
| 52 | Phenanthrene | 178 | 8.881 | 8.892 | (1.002) | 220825 | 10.0000 | 10 |
| 53 | Anthracene | 178 | 8.933 | 8.939 | (1.008) | 222571 | 10.0000 | 10 |
| 54 | Carbazole | 167 | 9.092 | 9.098 | (1.026) | 174154 | 10.0000 | 11 |
| 55 | Di-n-butylphthalate | 149 | 9.433 | 9.439 | (1.064) | 218323 | 10.0000 | 10 |
| 56 | Fluoranthene | 202 | 10.051 | 10.063 | (1.134) | 166807 | 10.0000 | 10 |
| 58 | Benzidine | 184 | 10.180 | 10.186 | (1.149) | 87961 | 20.0000 | 35 |
| 57 | Pyrene | 202 | 10.275 | 10.286 | (0.884) | 166792 | 10.0000 | 11 |
| $ 78 | Terphenyl-d14 | 244 | 10.433 | 10.439 | (0.897) | 102867 | 10.0000 | 10 |
| 59 | Butylbenzylphthalate | 149 | 10.957 | 10.969 | (0.942) | 56621 | 10.0000 | 9.9 |
| 60 | 3,3'-Dichlorobenzidine | 252 | 11.580 | 11.592 | (0.996) | 54454 | 20.0000 | 21 |
| 61 | Benzo(a)anthracene | 228 | 11.610 | 11.621 | (0.998) | 96567 | 10.0000 | 9.8 |
| * 81 | Chrysene-d12 | 240 | 11.627 | 11.633 | (1.000) | 348022 | 40.0000 | |
| 62 | Chrysene | 228 | 11.657 | 11.669 | (1.003) | 96715 | 10.0000 | 10 |
| 63 | bis(2-Ethylhexyl)phthalate | 149 | 11.657 | 11.663 | (1.003) | 71375 | 10.0000 | 9.7 |
| 64 | Di-n-octylphthalate | 149 | 12.510 | 12.521 | (0.924) | 76187 | 10.0000 | 8.8 |
| 65 | Benzo(b)fluoranthene | 252 | 13.021 | 13.027 | (0.961) | 61395 | 10.0000 | 10 |
| 66 | Benzo(k)fluoranthene | 252 | 13.057 | 13.068 | (0.964) | 67771 | 10.0000 | 10 |
| 67 | Benzo(a)pyrene | 252 | 13.463 | 13.474 | (0.994) | 50258 | 10.0000 | 9.7 |
| * 84 | Perylene-d12 | 264 | 13.545 | 13.551 | (1.000) | 215112 | 40.0000 | |
| 68 | Indeno(1,2,3-cd)pyrene | 276 | 15.062 | 15.074 | (1.112) | 40510 | 10.0000 | 8.5(M) |
| 69 | Dibenz(a,h)anthracene | 278 | 15.098 | 15.110 | (1.115) | 42679 | 10.0000 | 9.2 |
| 70 | Benzo(g,h,i)perylene | 276 | 15.480 | 15.498 | (1.143) | 45633 | 10.0000 | 9.5 |

QC Flag Legend

M - Compound response manually integrated.

Data File: z4015.d

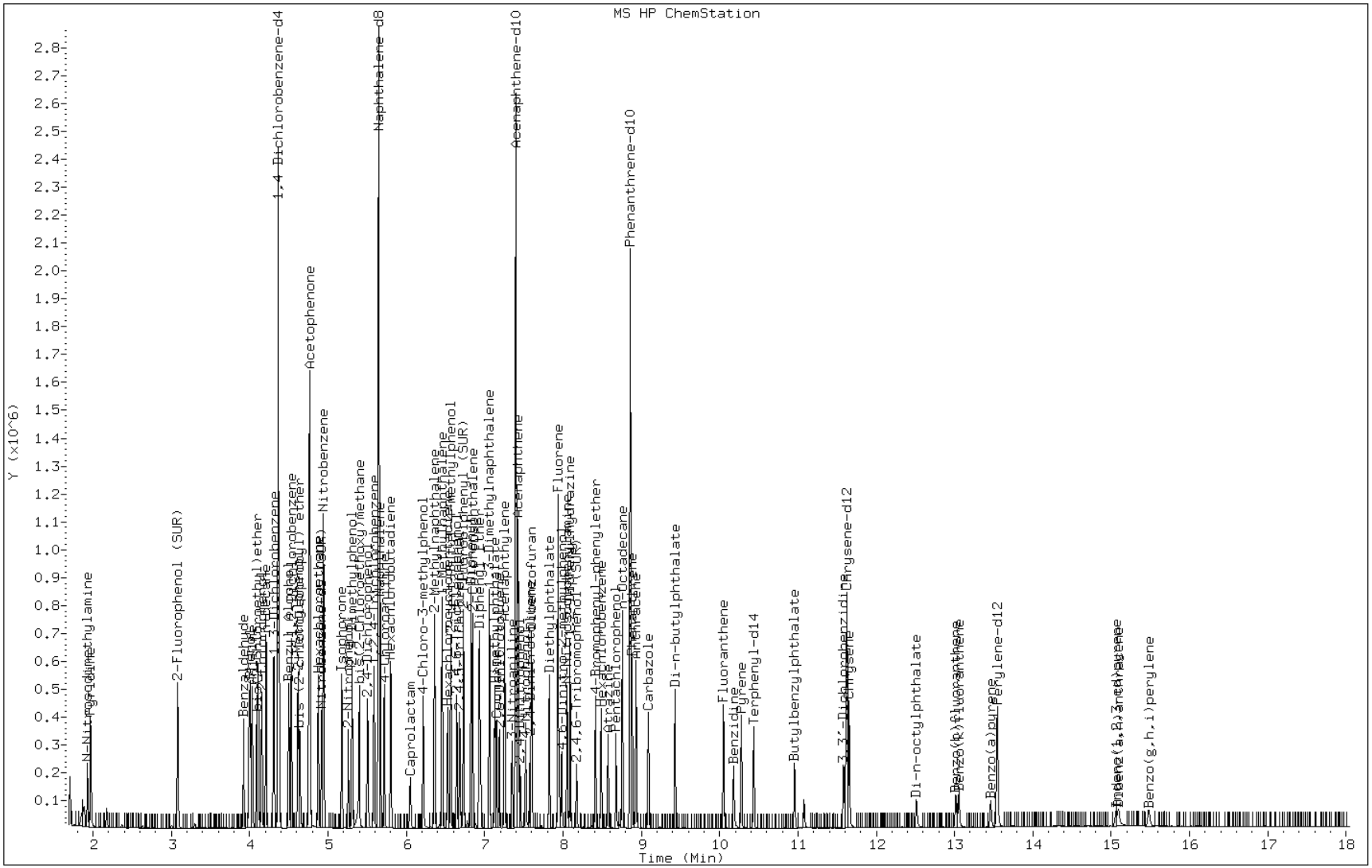
Date: 21-SEP-2009 03:58

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-154125

Operator: BNAMS 4



# Manual Integration Report

Data File: z4015.d
Inj. Date and Time: 21-SEP-2009 03:58
Instrument ID: BNAMS11.i
Client ID:
Compound:  68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/21/2009

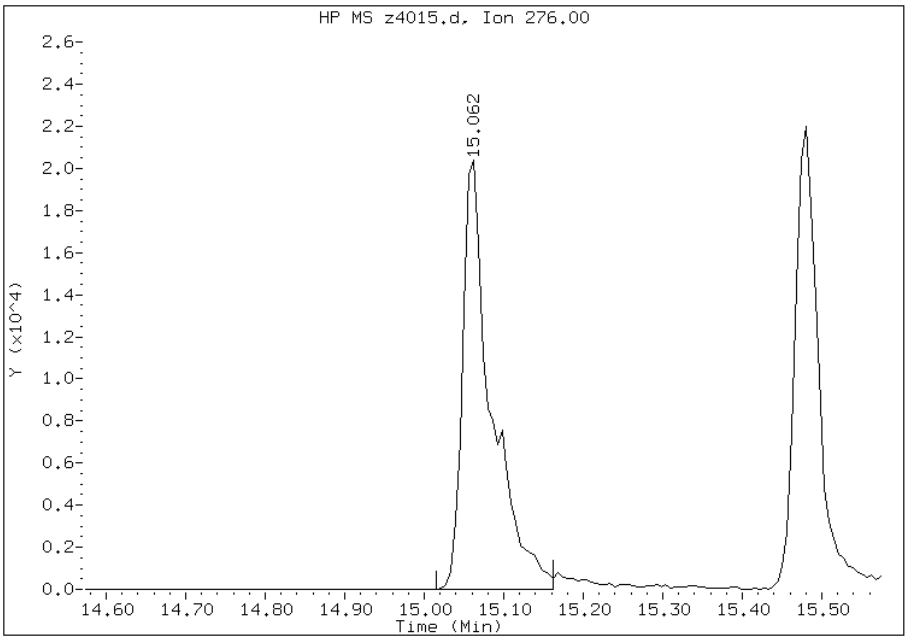
## Processing Integration Results

RT: 15.06

Response: 51949

Amount: 11

Conc: 11



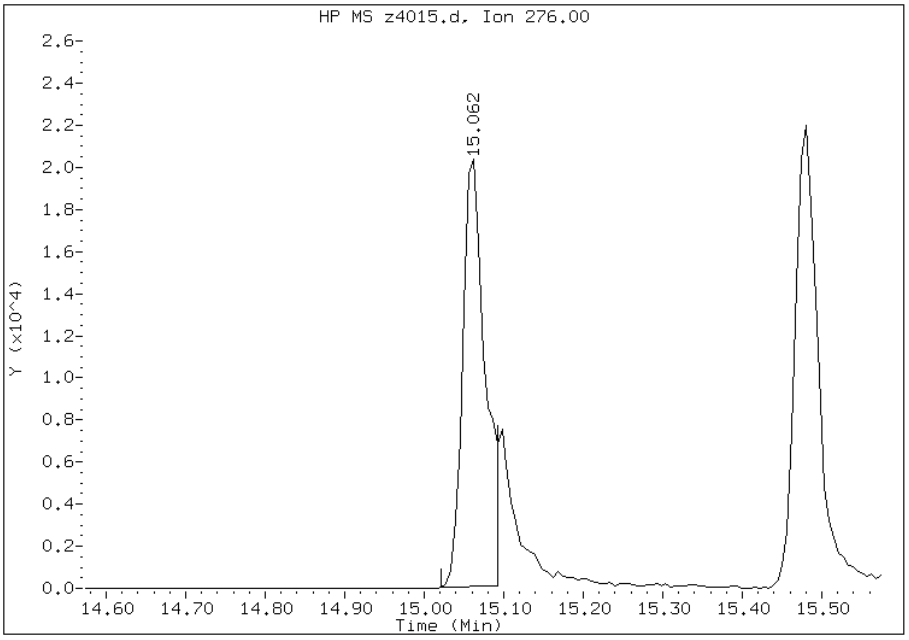

## Manual Integration Results

RT: 15.06

Response: 40510

Amount: 9

Conc: 9




Manually Integrated By: rusin
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCVIS 460-17774/2 Calibration Date: 09/22/2009 15:25

Instrument ID: BNAMS11 Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/21/2009 03:58

Lab File ID: z4081.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | Ave | | 0.5804 | | 10.0 | 50000 | | 20.0 |
| N-Nitrosodimethylamine | Ave | 0.8191 | 0.7803 | | 47600 | 50000 | -4.7 | 20.0 |
| Pyridine | Ave | 1.471 | 1.418 | | 48200 | 50000 | -3.6 | 20.0 |
| Benzaldehyde | Ave | 0.6558 | 0.2704 | | 20600 | 50000 | -58.8* | 20.0 |
| Phenol | Ave | 1.643 | 1.593 | | 48500 | 50000 | -3.0 | 20.0 |
| Aniline | Ave | 1.951 | 1.921 | | 49200 | 50000 | -1.6 | 20.0 |
| Bis(2-chloroethyl)ether | Ave | 1.396 | 1.332 | | 47700 | 50000 | -4.5 | 20.0 |
| 2-Chlorophenol | Ave | 1.420 | 1.363 | | 48000 | 50000 | -4.1 | 20.0 |
| n-Decane | Ave | 1.222 | 1.157 | | 47300 | 50000 | -5.3 | 20.0 |
| 1,3-Dichlorobenzene | Ave | 1.680 | 1.624 | | 48300 | 50000 | -3.3 | 20.0 |
| 1,4-Dichlorobenzene | Ave | 1.677 | 1.608 | | 47900 | 50000 | -4.1 | 20.0 |
| Benzyl alcohol | Ave | 0.8224 | 0.8436 | | 51300 | 50000 | 2.6 | 20.0 |
| 1,2-Dichlorobenzene | Ave | 1.564 | 1.508 | | 48200 | 50000 | -3.6 | 20.0 |
| 2-Methylphenol | Ave | 1.147 | 1.086 | | 47300 | 50000 | -5.3 | 20.0 |
| 2,2'-oxybis[1-chloropropane] | QuaF | 1.454 | 1.369 | | 50200 | 50000 | 0.4 | 20.0 |
| Acetophenone | Ave | 1.700 | 1.624 | | 47800 | 50000 | -4.5 | 20.0 |
| N-Nitrosodi-n-propylamine | Ave | 0.8406 | 0.7749 | 0.0500 | 46100 | 50000 | -7.8 | 20.0 |
| 3 & 4 Methylphenol | LinF | 1.206 | 1.057 | | 51700 | 50000 | 3.5 | 20.0 |
| 4-Methylphenol | LinF | 1.206 | 1.056 | | 51700 | 50000 | 3.4 | 20.0 |
| Hexachloroethane | Ave | 0.6473 | 0.6378 | | 49300 | 50000 | -1.5 | 20.0 |
| Nitrobenzene | Ave | 0.5286 | 0.5005 | | 47300 | 50000 | -5.3 | 20.0 |
| n,n'-Dimethylaniline | Ave | 2.103 | 1.989 | | 47300 | 50000 | -5.4 | 20.0 |
| Isophorone | Ave | 0.6560 | 0.6354 | | 48400 | 50000 | -3.1 | 20.0 |
| 2-Nitrophenol | Ave | 0.1994 | 0.1966 | | 49300 | 50000 | -1.4 | 20.0 |
| 2,4-Dimethylphenol | Ave | 0.3082 | 0.2935 | | 47600 | 50000 | -4.8 | 20.0 |
| Bis(2-chloroethoxy)methane | Ave | 0.3984 | 0.3869 | | 48600 | 50000 | -2.9 | 20.0 |
| Benzoic acid | Ave | 0.1203 | 0.1260 | | 52400 | 50000 | 4.8 | 20.0 |
| 2,4-Dichlorophenol | Ave | 0.2737 | 0.2636 | | 48200 | 50000 | -3.7 | 20.0 |
| 1,2,4-Trichlorobenzene | Ave | 0.3430 | 0.3246 | | 47300 | 50000 | -5.3 | 20.0 |
| Naphthalene | Ave | 1.080 | 1.033 | | 47900 | 50000 | -4.3 | 20.0 |
| 4-Chloroaniline | Ave | 0.4046 | 0.3929 | | 48600 | 50000 | -2.9 | 20.0 |
| Hexachlorobutadiene | Ave | 0.2037 | 0.1956 | | 48000 | 50000 | -3.9 | 20.0 |
| Caprolactam | Ave | 0.0786 | 0.0798 | | 50800 | 50000 | 1.5 | 20.0 |
| 4-Chloro-3-methylphenol | Ave | 0.2751 | 0.2656 | | 48300 | 50000 | -3.4 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6508 | 0.6189 | | 47600 | 50000 | -4.9 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6338 | 0.6125 | | 48300 | 50000 | -3.4 | 20.0 |
| Hexachlorocyclopentadiene | Ave | 0.4047 | 0.4447 | 0.0500 | 54900 | 50000 | 9.9 | 20.0 |
| 2-tertbutyl-4-methylphenol | Ave | 0.4276 | 0.4161 | | 48600 | 50000 | -2.7 | 20.0 |
| 2,4,6-Trichlorophenol | Ave | 0.3790 | 0.3645 | | 48100 | 50000 | -3.8 | 20.0 |
| 2,4,5-Trichlorophenol | Ave | 0.3749 | 0.3747 | | 50000 | 50000 | 0.1 | 20.0 |
| 1,1'-Biphenyl | Ave | 1.583 | 1.541 | | 48700 | 50000 | -2.6 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCVIS 460-17774/2 Calibration Date: 09/22/2009 15:25

Instrument ID: BNAMS11 Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/21/2009 03:58

Lab File ID: z4081.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| 2-Chloronaphthalene | Ave | 1.263 | 1.206 | | 47700 | 50000 | -4.6 | 20.0 |
| Phenyl ether | Ave | 0.8700 | 0.8327 | | 47900 | 50000 | -4.3 | 20.0 |
| 2-Nitroaniline | Ave | 0.3947 | 0.3661 | | 46400 | 50000 | -7.3 | 20.0 |
| 1,3-Dimethylnaphthalene | Ave | 1.008 | 0.9689 | | 48100 | 50000 | -3.9 | 20.0 |
| Dimethyl phthalate | Ave | 1.237 | 1.187 | | 48000 | 50000 | -4.0 | 20.0 |
| Coumarin | Ave | 0.3895 | 0.3725 | | 47800 | 50000 | -4.4 | 20.0 |
| 2,6-Dinitrotoluene | Ave | 0.2754 | 0.2741 | | 49700 | 50000 | -0.5 | 20.0 |
| Acenaphthylene | Ave | 1.911 | 1.854 | | 48500 | 50000 | -3.0 | 20.0 |
| 3-Nitroaniline | Ave | 0.2790 | 0.2804 | | 50300 | 50000 | 0.5 | 20.0 |
| 3,5-di-tert-butyl-4-hydroxytol | Ave | 1.026 | 1.052 | | 51200 | 50000 | 2.5 | 20.0 |
| Acenaphthene | Ave | 1.106 | 1.036 | | 46800 | 50000 | -6.3 | 20.0 |
| 2,4-Dinitrophenol | QuaF | 0.1066 | 0.1158 | 0.0500 | 51100 | 50000 | 2.2 | 20.0 |
| 4-Nitrophenol | Ave | 0.1736 | 0.1735 | 0.0500 | 50000 | 50000 | 0.1 | 20.0 |
| 2,4-Dinitrotoluene | Ave | 0.3254 | 0.3159 | | 48500 | 50000 | -2.9 | 20.0 |
| Dibenzofuran | Ave | 1.587 | 1.495 | | 47100 | 50000 | -5.8 | 20.0 |
| Diethyl phthalate | Ave | 1.152 | 1.119 | | 48600 | 50000 | -2.9 | 20.0 |
| 4-Chlorophenyl phenyl ether | Ave | 0.5834 | 0.5503 | | 47200 | 50000 | -5.7 | 20.0 |
| Fluorene | Ave | 1.199 | 1.135 | | 47300 | 50000 | -5.4 | 20.0 |
| 4-Nitroaniline | Ave | 0.2384 | 0.2368 | | 49700 | 50000 | -0.7 | 20.0 |
| 4,6-Dinitro-2-methylphenol | Ave | 0.1127 | 0.1217 | | 54000 | 50000 | 8.1 | 20.0 |
| N-Nitrosodiphenylamine | Ave | 0.6304 | 0.5960 | | 47300 | 50000 | -5.5 | 20.0 |
| 1,2-Diphenylhydrazine | Ave | 1.136 | 1.104 | | 48600 | 50000 | -2.8 | 20.0 |
| 4-Bromophenyl phenyl ether | Ave | 0.2656 | 0.2537 | | 47800 | 50000 | -4.5 | 20.0 |
| Hexachlorobenzene | Ave | 0.2566 | 0.2463 | | 48000 | 50000 | -4.0 | 20.0 |
| Atrazine | Ave | 0.1860 | 0.1941 | | 52200 | 50000 | 4.4 | 20.0 |
| Pentachlorophenol | Ave | 0.1116 | 0.1138 | | 51000 | 50000 | 2.0 | 20.0 |
| n-Octadecane | Ave | 0.5992 | 0.5865 | | 48900 | 50000 | -2.1 | 20.0 |
| Phenanthrene | Ave | 1.154 | 1.105 | | 47900 | 50000 | -4.2 | 20.0 |
| Anthracene | Ave | 1.167 | 1.135 | | 48600 | 50000 | -2.7 | 20.0 |
| Carbazole | Ave | 0.8948 | 0.8775 | | 49000 | 50000 | -1.9 | 20.0 |
| Di-n-butyl phthalate | Ave | 1.165 | 1.188 | | 51000 | 50000 | 2.0 | 20.0 |
| Fluoranthene | Ave | 0.8985 | 0.9010 | | 50100 | 50000 | 0.3 | 20.0 |
| Benzidine | Ave | 0.1368 | 0.0447 | | 16400 | 50000 | -67.3* | 20.0 |
| Pyrene | Ave | 1.800 | 1.783 | | 49500 | 50000 | -1.0 | 20.0 |
| Butyl benzyl phthalate | Ave | 0.6596 | 0.6952 | | 52700 | 50000 | 5.4 | 20.0 |
| 2,3,7,8-TCDD | Ave | 0.1561 | 0.2478 | | 794 | 500 | 58.7* | 20.0 |
| 3,3'-Dichlorobenzidine | Ave | 0.2911 | 0.2513 | | 43200 | 50000 | -13.7 | 20.0 |
| Benzo[a]anthracene | Ave | 1.132 | 1.071 | | 47300 | 50000 | -5.4 | 20.0 |
| Bis(2-ethylhexyl) phthalate | Ave | 0.8443 | 0.8669 | | 51300 | 50000 | 2.7 | 20.0 |
| Chrysene | Ave | 1.061 | 1.012 | | 47700 | 50000 | -4.6 | 20.0 |

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCVIS 460-17774/2 Calibration Date: 09/22/2009 15:25

Instrument ID: BNAMS11 Calib Start Date: 09/21/2009 01:32

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 09/21/2009 03:58

Lab File ID: z4081.d Conc. Units: ug/mL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | Ave | 1.608 | 1.833 | | 57000 | 50000 | 14.0 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.147 | 1.228 | | 53500 | 50000 | 7.1 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.242 | 1.235 | | 49700 | 50000 | -0.5 | 20.0 |
| Benzo[a]pyrene | Ave | 0.9631 | 1.010 | | 52400 | 50000 | 4.8 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 0.8827 | 0.8802 | | 49900 | 50000 | -0.3 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.8632 | 0.8775 | | 50800 | 50000 | 1.7 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 0.8948 | 0.8810 | | 49200 | 50000 | -1.5 | 20.0 |
| 2-Fluorophenol | Ave | 1.370 | 1.355 | | 49400 | 50000 | -1.1 | 20.0 |
| Phenol-d5 | Ave | 1.482 | 1.466 | | 49500 | 50000 | -1.0 | 20.0 |
| Nitrobenzene-d5 | Ave | 0.3792 | 0.3821 | | 50400 | 50000 | 0.8 | 20.0 |
| 2-Fluorobiphenyl | Ave | 1.409 | 1.425 | | 50600 | 50000 | 1.2 | 20.0 |
| 2,4,6-Tribromophenol | Ave | 0.1373 | 0.1403 | | 51100 | 50000 | 2.2 | 20.0 |
| Terphenyl-d14 | Ave | 1.151 | 1.304 | | 56700 | 50000 | 13.3 | 20.0 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4081.d
Report Date: 22-Sep-2009 15:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4081.d
Lab Smp Id: CCVIS-210292
Inj Date : 22-SEP-2009 15:25
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : CCVIS-210292
Misc Info : 50ppm bna 4407
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom Quant Type: ISTD
Cal Date : 22-SEP-2009 15:25 Cal File: z4081.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 19 N-Nitrosodimethylamine | 74 | 1.881 | 1.881 | (0.436) | 346599 | 50.0000 | 48(H) |
| | 71 Pyridine | 79 | 1.910 | 1.910 | (0.443) | 629932 | 50.0000 | 48 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.028 | 3.028 | (0.702) | 601755 | 50.0000 | 49 |
| | 110 Benzaldehyde | 77 | 3.863 | 3.863 | (0.896) | 120131 | 50.0000 | 21 |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.957 | 3.957 | (0.918) | 651316 | 50.0000 | 49 |
| | 1 Phenol | 94 | 3.975 | 3.975 | (0.922) | 707627 | 50.0000 | 48 |
| | 73 Aniline | 93 | 3.981 | 3.981 | (0.924) | 853268 | 50.0000 | 49 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.045 | 4.045 | (0.939) | 591826 | 50.0000 | 48 |
| | 2 2-Chlorophenol | 128 | 4.104 | 4.104 | (0.952) | 605244 | 50.0000 | 48 |
| | 113 n-decane | 43 | 4.157 | 4.157 | (0.965) | 513965 | 50.0000 | 47 |
| | 21 1,3-Dichlorobenzene | 146 | 4.257 | 4.257 | (0.988) | 721312 | 50.0000 | 48 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.310 | 4.310 | (1.000) | 355361 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.328 | 4.328 | (1.004) | 714263 | 50.0000 | 48 |
| | 74 Benzyl Alcohol | 108 | 4.457 | 4.457 | (1.034) | 374736 | 50.0000 | 51 |
| | 23 1,2-Dichlorobenzene | 146 | 4.481 | 4.481 | (1.040) | 669793 | 50.0000 | 48 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4081.d
Report Date: 22-Sep-2009 15:58

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/ml) | ON-COL (ug/ml) |
|---|---|---|---|---|---|---|---|---|
| | 3 2-Methylphenol | 108 | 4.575 | 4.575 | (1.061) | 482458 | 50.0000 | 47 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.587 | 4.587 | (1.064) | 608118 | 50.0000 | 50 |
| | 104 Acetophenone | 105 | 4.722 | 4.722 | (1.096) | 721497 | 50.0000 | 48 |
| | 4 4-Methylphenol | 108 | 4.734 | 4.734 | (1.098) | 469244 | 50.0000 | 52 |
| | 124 3 & 4 methylphenol | 108 | 4.734 | 4.734 | (1.098) | 469724 | 50.0000 | 52 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.728 | 4.728 | (1.097) | 344229 | 50.0000 | 46 |
| | 26 Hexachloroethane | 117 | 4.822 | 4.822 | (1.119) | 283308 | 50.0000 | 49 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.869 | 4.869 | (0.871) | 602564 | 50.0000 | 50 |
| | 27 Nitrobenzene | 77 | 4.892 | 4.892 | (0.875) | 789240 | 50.0000 | 47 |
| | 107 N,N-Dimethylaniline | 120 | 4.898 | 4.898 | (1.136) | 883605 | 50.0000 | 47 |
| | 28 Isophorone | 82 | 5.134 | 5.134 | (0.918) | 1002001 | 50.0000 | 48 |
| | 5 2-Nitrophenol | 139 | 5.210 | 5.210 | (0.932) | 309956 | 50.0000 | 49 |
| | 6 2,4-Dimethylphenol | 122 | 5.263 | 5.263 | (0.941) | 462904 | 50.0000 | 48 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.351 | 5.351 | (0.957) | 610051 | 50.0000 | 48 |
| | 15 Benzoic Acid | 122 | 5.404 | 5.404 | (0.966) | 198729 | 50.0000 | 52(H) |
| | 7 2,4-Dichlorophenol | 162 | 5.457 | 5.457 | (0.976) | 415741 | 50.0000 | 48 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.539 | 5.539 | (0.991) | 511953 | 50.0000 | 47 |
| * | 80 Naphthalene-d8 | 136 | 5.592 | 5.592 | (1.000) | 1261584 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.616 | 5.616 | (1.004) | 1629560 | 50.0000 | 48 |
| | 32 4-Chloroaniline | 127 | 5.669 | 5.669 | (1.014) | 619574 | 50.0000 | 48 |
| | 33 Hexachlorobutadiene | 225 | 5.745 | 5.745 | (1.027) | 308512 | 50.0000 | 48 |
| | 111 Caprolactam | 113 | 6.051 | 6.051 | (1.082) | 125814 | 50.0000 | 51 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.175 | 6.175 | (1.104) | 418854 | 50.0000 | 48 |
| | 34 2-Methylnaphthalene | 142 | 6.304 | 6.304 | (1.127) | 976044 | 50.0000 | 48 |
| | 120 1-Methylnaphthalene | 142 | 6.404 | 6.404 | (1.145) | 965967 | 50.0000 | 48 |
| | 35 Hexachlorocyclopentadiene | 237 | 6.475 | 6.475 | (0.881) | 325215 | 50.0000 | 55 |
| | 121 2-tert-Butyl-4-methylphenol | 149 | 6.522 | 6.522 | (1.166) | 656171 | 50.0000 | 49 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.598 | 6.598 | (0.898) | 266576 | 50.0000 | 48 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.639 | 6.639 | (0.904) | 273997 | 50.0000 | 50 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1042011 | 50.0000 | 50 |
| | 102 Diphenyl | 154 | 6.775 | 6.775 | (0.922) | 1126867 | 50.0000 | 49 |
| | 36 2-Chloronaphthalene | 162 | 6.792 | 6.792 | (0.925) | 881644 | 50.0000 | 48 |
| | 103 Diphenyl Ether | 170 | 6.881 | 6.881 | (0.937) | 608962 | 50.0000 | 48 |
| | 37 2-Nitroaniline | 65 | 6.898 | 6.898 | (0.939) | 267692 | 50.0000 | 46 |
| | 123 1,3-Dimethylnaphthalene | 156 | 7.010 | 7.010 | (0.954) | 708526 | 50.0000 | 48 |
| | 38 Dimethylphthalate | 163 | 7.081 | 7.081 | (0.964) | 868377 | 50.0000 | 48 |
| | 114 Coumarin | 146 | 7.104 | 7.104 | (0.967) | 272364 | 50.0000 | 48 |
| | 40 2,6-Dinitrotoluene | 165 | 7.139 | 7.139 | (0.972) | 200404 | 50.0000 | 50 |
| | 39 Acenaphthylene | 152 | 7.204 | 7.204 | (0.981) | 1355589 | 50.0000 | 48 |
| | 41 3-Nitroaniline | 138 | 7.304 | 7.304 | (0.994) | 205077 | 50.0000 | 50 |
| * | 82 Acenaphthene-d10 | 164 | 7.345 | 7.345 | (1.000) | 585018 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.375 | 7.375 | (1.004) | 757678 | 50.0000 | 47 |
| | 122 2,6-Di-tert-butyl-p-cresol | 205 | 7.369 | 7.369 | (1.003) | 769345 | 50.0000 | 51 |
| | 11 2,4-Dinitrophenol | 184 | 7.410 | 7.410 | (1.009) | 84670 | 50.0000 | 51 |
| | 12 4-Nitrophenol | 65 | 7.481 | 7.481 | (1.018) | 126865 | 50.0000 | 50 |
| | 44 2,4-Dinitrotoluene | 165 | 7.539 | 7.539 | (1.026) | 231014 | 50.0000 | 48 |
| | 43 Dibenzofuran | 168 | 7.545 | 7.545 | (1.027) | 1093595 | 50.0000 | 47 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4081.d
Report Date: 22-Sep-2009 15:58

| | | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|---|
| | | QUANT SIG | | | | | CAL-AMT | ON-COL |
| | Compounds | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/ml) | (ug/ml) |
| | 45 Diethylphthalate | 149 | 7.780 | 7.780 | (1.059) | 817926 | 50.0000 | 48 |
| | 47 Fluorene | 166 | 7.886 | 7.886 | (1.074) | 829873 | 50.0000 | 47 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.886 | 7.886 | (1.074) | 402406 | 50.0000 | 47 |
| | 48 4-Nitroaniline | 138 | 7.910 | 7.910 | (1.077) | 173193 | 50.0000 | 50 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.939 | 7.939 | (0.902) | 106644 | 50.0000 | 54 |
| | 49 N-Nitrosodiphenylamine | 169 | 8.004 | 8.004 | (0.909) | 522093 | 50.0000 | 47 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.039 | 8.039 | (0.913) | 967340 | 50.0000 | 49 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.122 | 8.122 | (1.106) | 102619 | 50.0000 | 51 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.363 | 8.363 | (0.950) | 222258 | 50.0000 | 48 |
| | 51 Hexachlorobenzene | 284 | 8.433 | 8.433 | (0.958) | 215767 | 50.0000 | 48 |
| | 112 Atrazine | 200 | 8.533 | 8.533 | (0.969) | 170025 | 50.0000 | 52 |
| | 14 Pentachlorophenol | 266 | 8.627 | 8.627 | (0.980) | 99712 | 50.0000 | 51 |
| | 115 n-Octadecane | 57 | 8.710 | 8.710 | (0.989) | 513753 | 50.0000 | 49 |
| * | 83 Phenanthrene-d10 | 188 | 8.804 | 8.804 | (1.000) | 700802 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.827 | 8.827 | (1.003) | 967899 | 50.0000 | 48 |
| | 53 Anthracene | 178 | 8.880 | 8.880 | (1.009) | 994576 | 50.0000 | 49 |
| | 54 Carbazole | 167 | 9.039 | 9.039 | (1.027) | 768652 | 50.0000 | 49 |
| | 55 Di-n-butylphthalate | 149 | 9.386 | 9.386 | (1.066) | 1041114 | 50.0000 | 51 |
| | 56 Fluoranthene | 202 | 9.998 | 9.998 | (1.136) | 789282 | 50.0000 | 50 |
| | 58 Benzidine | 184 | 10.127 | 10.127 | (1.150) | 39193 | 50.0000 | 16 |
| | 57 Pyrene | 202 | 10.222 | 10.222 | (0.884) | 759031 | 50.0000 | 50 |
| $ | 78 Terphenyl-d14 | 244 | 10.380 | 10.380 | (0.898) | 555094 | 50.0000 | 57 |
| | 59 Butylbenzylphthalate | 149 | 10.904 | 10.904 | (0.944) | 295998 | 50.0000 | 53 |
| | 109 2,3,7,8-TCDD (Screen) | 322 | 11.010 | 11.010 | (0.953) | 1055 | 0.50000 | 0.79 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.516 | 11.516 | (0.996) | 106984 | 50.0000 | 43 |
| | 61 Benzo(a)anthracene | 228 | 11.545 | 11.545 | (0.999) | 455946 | 50.0000 | 47 |
| * | 81 Chrysene-d12 | 240 | 11.557 | 11.557 | (1.000) | 340619 | 40.0000 | |
| | 62 Chrysene | 228 | 11.592 | 11.592 | (1.003) | 430816 | 50.0000 | 48 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.592 | 11.592 | (1.003) | 369086 | 50.0000 | 51 |
| | 64 Di-n-octylphthalate | 149 | 12.439 | 12.439 | (0.924) | 487852 | 50.0000 | 57 |
| | 65 Benzo(b)fluoranthene | 252 | 12.945 | 12.945 | (0.962) | 326848 | 50.0000 | 54 |
| | 66 Benzo(k)fluoranthene | 252 | 12.980 | 12.980 | (0.964) | 328698 | 50.0000 | 50 |
| | 67 Benzo(a)pyrene | 252 | 13.386 | 13.386 | (0.994) | 268723 | 50.0000 | 52 |
| * | 84 Perylene-d12 | 264 | 13.462 | 13.462 | (1.000) | 212921 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 14.957 | 14.957 | (1.111) | 234272 | 50.0000 | 50 |
| | 69 Dibenz(a,h)anthracene | 278 | 14.992 | 14.992 | (1.114) | 233549 | 50.0000 | 51 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.368 | 15.368 | (1.142) | 234479 | 50.0000 | 49 |

QC Flag Legend

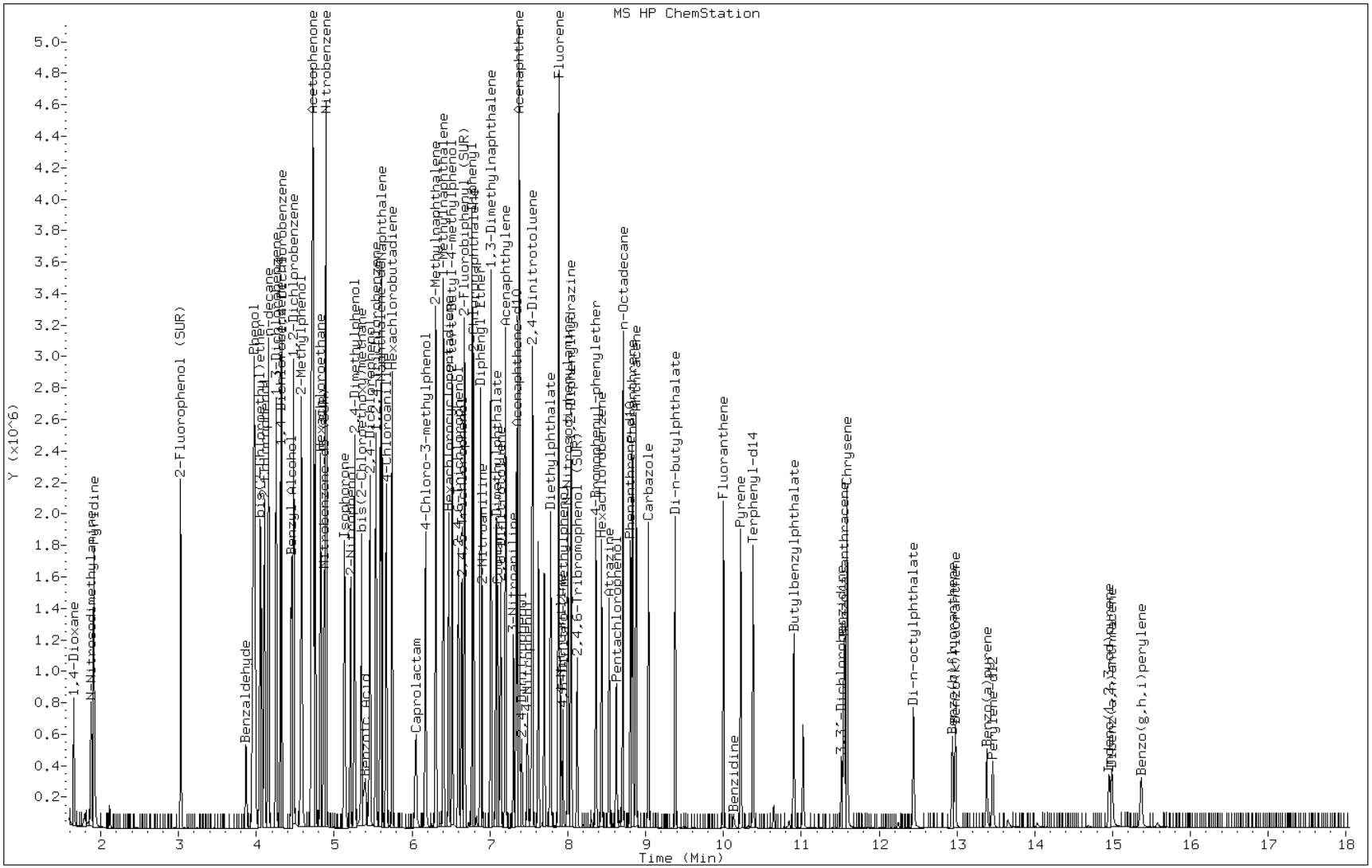
H - Operator selected an alternate compound hit.

Data File: z4081.d

Date: 22-SEP-2009 15:25

Client ID: Instrument: BNAMS11.i

Sample Info: CCVIS-210292 Operator: BNAMS 4



TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/625/09-21-09/21sep09.b

Date Generated: 09/21/2009

Page 1

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/21/09 0031 | z4009.d | 1 | DFTPP-61180 | — | — | 0 | 0 | 1 | 2.0 | all | 4379 | 6 |
| 09/21/09 0132 | z4010.d | 2 | ICIS-154120 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | C |
| 09/21/09 0222 | z4011.d | 3 | IC-154124 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | 6 |
| 09/21/09 0246 | z4012.d | 4 | IC-154121 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | 6 |
| 09/21/09 0310 | z4013.d | 5 | IC-154123 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | 6 |
| 09/21/09 0334 | z4014.d | 6 | IC-154122 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | 6 |
| 09/21/09 0423 | z4016.d | 8 | icv | 21sep09 | — | 1000 | 1 | 1 | 1.0 | all | 4401 | 6 |

Low range 5004 except for 1,4-Dioxane benzidine

Low for benzidine

Signed: Michael Morris Read and Understood by:

Date: 9/21/09 Date: 9-22-09

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/625/09-21-09/22sep09.b

Date Generated: 09/23/2009

Page 1



| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/22/09 1429 | z4079.d | 1 | DFTPP-61180 | — | — | 0 | 0 | 1 | 2.0 | all | 4379 | G |
| 09/22/09 1446 | z4080.d | 2 | CCVIS-154120 | — | — | 1000 | 2 | 1 | 1.0 | all | 4392 | NA |
| 09/22/09 1525 | z4081.d | 3 | CCVIS-210292 | — | — | 1000 | 2 | 1 | 1.0 | all | 4407 | no 1,4-Dioxane<br>G Benzidine |
| 09/23/09 0250 | z4108.d | 30 | 460-5762-E-1-A | 460-17323 | 09/18/09 | 980 | 2 | 2 | 1.0 | all | — | not reported |
| 09/23/09 0315 | z4109.d | 31 | 460-5815-E-4-A | 460-17430 | 09/21/09 | 990 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0339 | z4110.d | 32 | 460-5815-E-2-A | 460-17430 | 09/21/09 | 980 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0404 | z4111.d | 33 | 460-5815-D-6-A | 460-17430 | 09/21/09 | 900 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0429 | z4112.d | 34 | 460-5815-D-7-A | 460-17430 | 09/21/09 | 970 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0453 | z4113.d | 35 | MB 460-17674/1-A | 460-17674 | — | 1000 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0518 | z4114.d | 36 | LCS 460-17674/2-A | 460-17674 | — | 1000 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0543 | z4115.d | 37 | LCSD 460-17674/3-A | 460-17674 | — | 1000 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0608 | z4116.d | 38 | 460-5608-H-3-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | — | G |
| 09/23/09 0632 | z4117.d | 39 | 460-5762-D-1-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | — | high surr<br>G recovered due to Benzidine MB 9/23/09 |
| 09/23/09 0657 | z4118.d | 40 | 460-5863-D-1-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | — | G |

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/625/09-21-09/22sep09.b

Date Generated: 09/23/2009

Page 2

| Date | Data File | ALS | Sample ID | LPB | EXT DATE | IV/ IW | FV | Dil | Inj Vol | Sublist | LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/23/09 0721 | z4119.d | 41 | 460-5863-D-2-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | C |
| 09/23/09 0752 | z4120.d | 42 | ISTD 4400G | 22sep09 | - | 1000 | 2 | 1 | 1.0 | all | - | For Istd test purpose |
| 09/23/09 0821 | z4121.d | 43 | 460-5869-D-1-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | C |
| 09/23/09 0845 | z4122.d | 44 | 460-5869-D-2-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | 6 |
| 09/23/09 0910 | z4123.d | 45 | 220-10149-B-1-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | 6 |
| 09/23/09 0940 | z4124.d | 46 | 460-5879-A-6-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | 6 |
| 09/23/09 1004 | z4125.d | 47 | 460-5918-B-1-A | 460-17674 | 09/22/09 | 990 | 2 | 1 | 1.0 | all | - | 6 |

Signed: Michael Rocco Read and Understood by: [signature]

Date: 9/23/09 Date: 9-24-09

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Report Date: 21-Sep-2009 06:37

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Lab Smp Id: DFTPP-61180
Inj Date  : 21-SEP-2009 00:31
Operator  : BNA2 Inst ID: BNAMS11.i
Smp Info  : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment   :
Method    : /chem/BNAMS11.i/8270/09-21-09/21sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date  : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version:  3.50 Sample Matrix: None

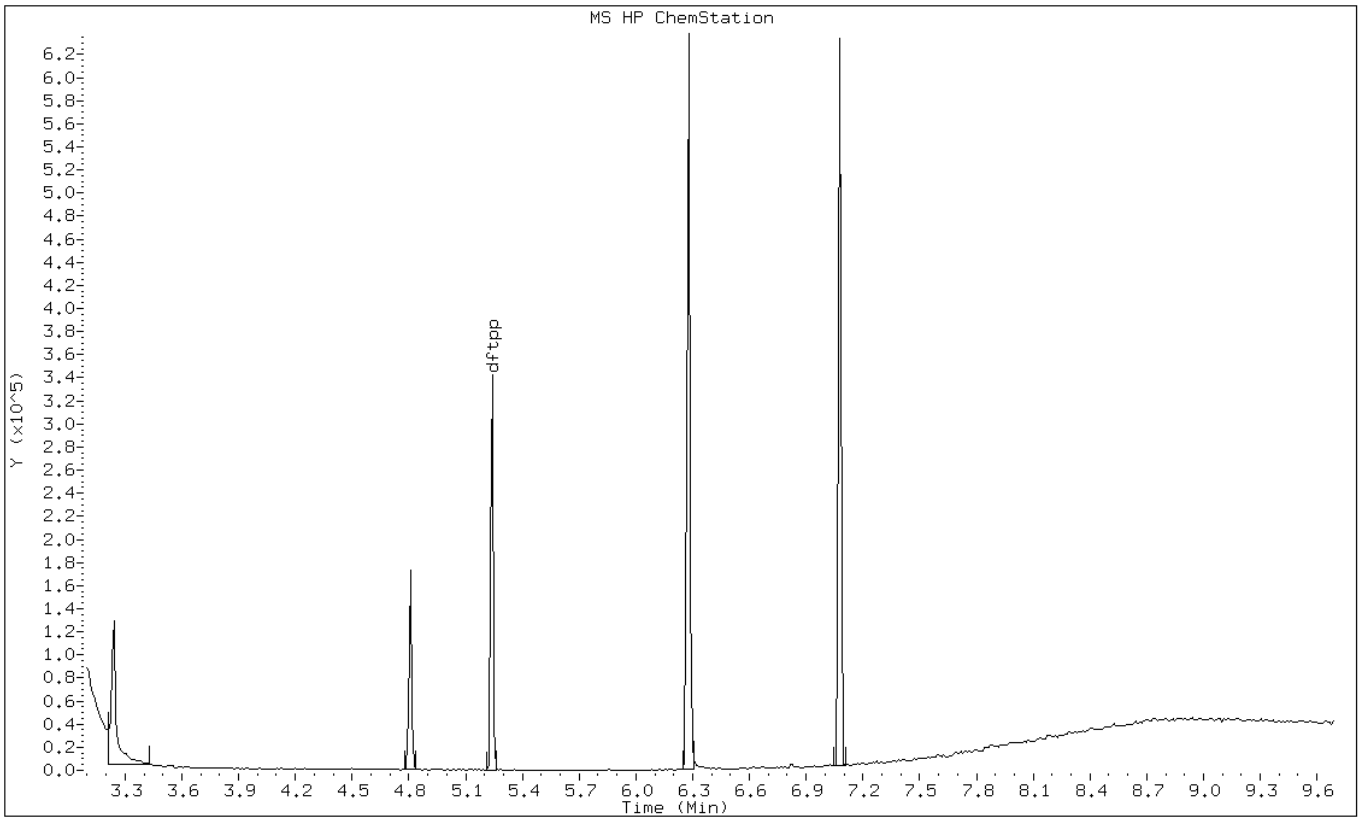
| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.242 | 5.377 | -0.135 | 198 | 24154 | | | 0.00- 100.00 | 100.00 |
| 5.242 | 5.377 | -0.135 | 51 | 9514 | | | 30.00- 60.00 | 39.39 |
| 5.242 | 5.377 | -0.135 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 69 | 9052 | | | 0.00- 0.00 | 37.48 |
| 5.242 | 5.377 | -0.135 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 127 | 11815 | | | 40.00- 60.00 | 48.92 |
| 5.242 | 5.377 | -0.135 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.242 | 5.377 | -0.135 | 199 | 1541 | | | 5.00- 9.00 | 6.38 |
| 5.242 | 5.377 | -0.135 | 275 | 6290 | | | 10.00- 30.00 | 26.04 |
| 5.242 | 5.377 | -0.135 | 365 | 624 | | | 1.00- 0.00 | 2.58 |
| 5.242 | 5.377 | -0.135 | 441 | 3007 | | | 0.01- 100.00 | 72.01 |
| 5.242 | 5.377 | -0.135 | 442 | 21767 | | | 40.00- 110.00 | 90.12 |
| 5.242 | 5.377 | -0.135 | 443 | 4176 | | | 17.00- 23.00 | 19.19 |

Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2



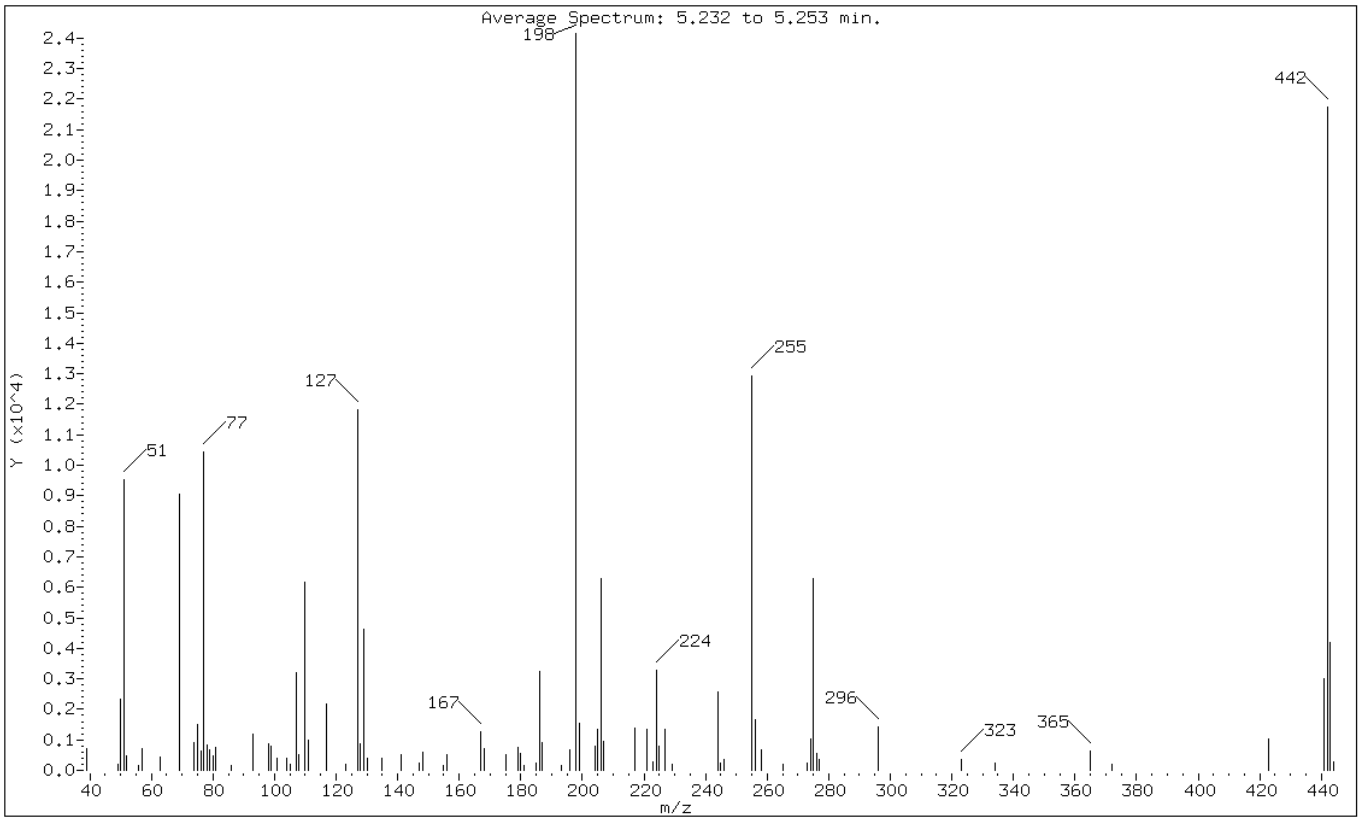
Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 39.39 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 37.48 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 48.92 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.38 |
| 275 | 10.00 - 30.00% of mass 198 | 26.04 |
| 365 | Greater than 1.00% of mass 198 | 2.58 |
| 441 | 0.01 - 100.00% of mass 443 | 12.45 ( 72.01) |
| 442 | 40.00 - 110.00% of mass 198 | 90.12 |
| 443 | 17.00 - 23.00% of mass 442 | 17.29 ( 19.19) |

Data File: z4009.d

Date: 21-SEP-2009 00:31

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-21-09/21sep09.b/z4009.d
Spectrum: Average Spectrum: 5.232 to 5.253 min.
Location of Maximum: 198.00
Number of points: 86

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 712 | 104.00 | 386 | 180.00 | 565 | 246.00 | 347 |
| 49.00 | 188 | 105.00 | 187 | 181.00 | 176 | 255.00 | 12940 |
| 50.00 | 2316 | 107.00 | 3194 | 185.00 | 248 | 256.00 | 1663 |
| 51.00 | 9514 | 108.00 | 531 | 186.00 | 3257 | 258.00 | 664 |
| 52.00 | 487 | 110.00 | 6169 | 187.00 | 914 | 265.00 | 193 |
| 56.00 | 173 | 111.00 | 971 | 193.00 | 173 | 273.00 | 252 |
| 57.00 | 699 | 117.00 | 2187 | 196.00 | 674 | 274.00 | 1036 |
| 63.00 | 424 | 123.00 | 200 | 198.00 | 24152 | 275.00 | 6290 |
| 69.00 | 9052 | 127.00 | 11815 | 199.00 | 1541 | 276.00 | 545 |
| 74.00 | 895 | 128.00 | 867 | 204.00 | 772 | 277.00 | 357 |
| 75.00 | 1484 | 129.00 | 4615 | 205.00 | 1343 | 296.00 | 1431 |
| 76.00 | 622 | 130.00 | 401 | 206.00 | 6287 | 323.00 | 369 |
| 77.00 | 10447 | 135.00 | 405 | 207.00 | 930 | 334.00 | 222 |
| 78.00 | 811 | 141.00 | 501 | 217.00 | 1399 | 365.00 | 624 |
| 79.00 | 656 | 147.00 | 218 | 221.00 | 1345 | 372.00 | 198 |
| 80.00 | 494 | 148.00 | 598 | 223.00 | 267 | 423.00 | 1025 |
| 81.00 | 756 | 155.00 | 170 | 224.00 | 3289 | 441.00 | 3007 |
| 86.00 | 171 | 156.00 | 513 | 225.00 | 776 | 442.00 | 21760 |
| 93.00 | 1190 | 167.00 | 1276 | 227.00 | 1358 | 443.00 | 4176 |
| 98.00 | 857 | 168.00 | 723 | 229.00 | 183 | 444.00 | 272 |
| 99.00 | 785 | 175.00 | 502 | 244.00 | 2575 | | |
| 101.00 | 379 | 179.00 | 739 | 245.00 | 237 | | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4079.d
Report Date: 22-Sep-2009 14:53

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4079.d
Lab Smp Id: DFTPP-61180
Inj Date : 22-SEP-2009 14:29
Operator : BNA2 Inst ID: BNAMS11.i
Smp Info : DFTPP-61180
Misc Info : 25 ppm dftpp bna4379
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/BNADFTPP.m
Meth Date : 14-Sep-2009 09:21 croccom Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

| RT | EXP RT | DLT RT | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 dftpp | | | | | | CAS #: | | |
| 5.180 | 5.377 | -0.197 | 198 | 25553 | | | 0.00- 100.00 | 100.00 |
| 5.180 | 5.377 | -0.197 | 51 | 10305 | | | 30.00- 60.00 | 40.33 |
| 5.180 | 5.377 | -0.197 | 68 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.180 | 5.377 | -0.197 | 69 | 9547 | | | 0.00- 0.00 | 37.36 |
| 5.180 | 5.377 | -0.197 | 70 | 0 | | | 0.00- 2.00 | 0.00 |
| 5.180 | 5.377 | -0.197 | 127 | 13279 | | | 40.00- 60.00 | 51.97 |
| 5.180 | 5.377 | -0.197 | 197 | 0 | | | 0.00- 1.00 | 0.00 |
| 5.180 | 5.377 | -0.197 | 199 | 1761 | | | 5.00- 9.00 | 6.89 |
| 5.180 | 5.377 | -0.197 | 275 | 6814 | | | 10.00- 30.00 | 26.67 |
| 5.180 | 5.377 | -0.197 | 365 | 547 | | | 1.00- 0.00 | 2.14 |
| 5.180 | 5.377 | -0.197 | 441 | 3455 | | | 0.01- 100.00 | 77.33 |
| 5.180 | 5.377 | -0.197 | 442 | 23123 | | | 40.00- 110.00 | 90.49 |
| 5.180 | 5.377 | -0.197 | 443 | 4468 | | | 17.00- 23.00 | 19.32 |

Data File: z4079.d

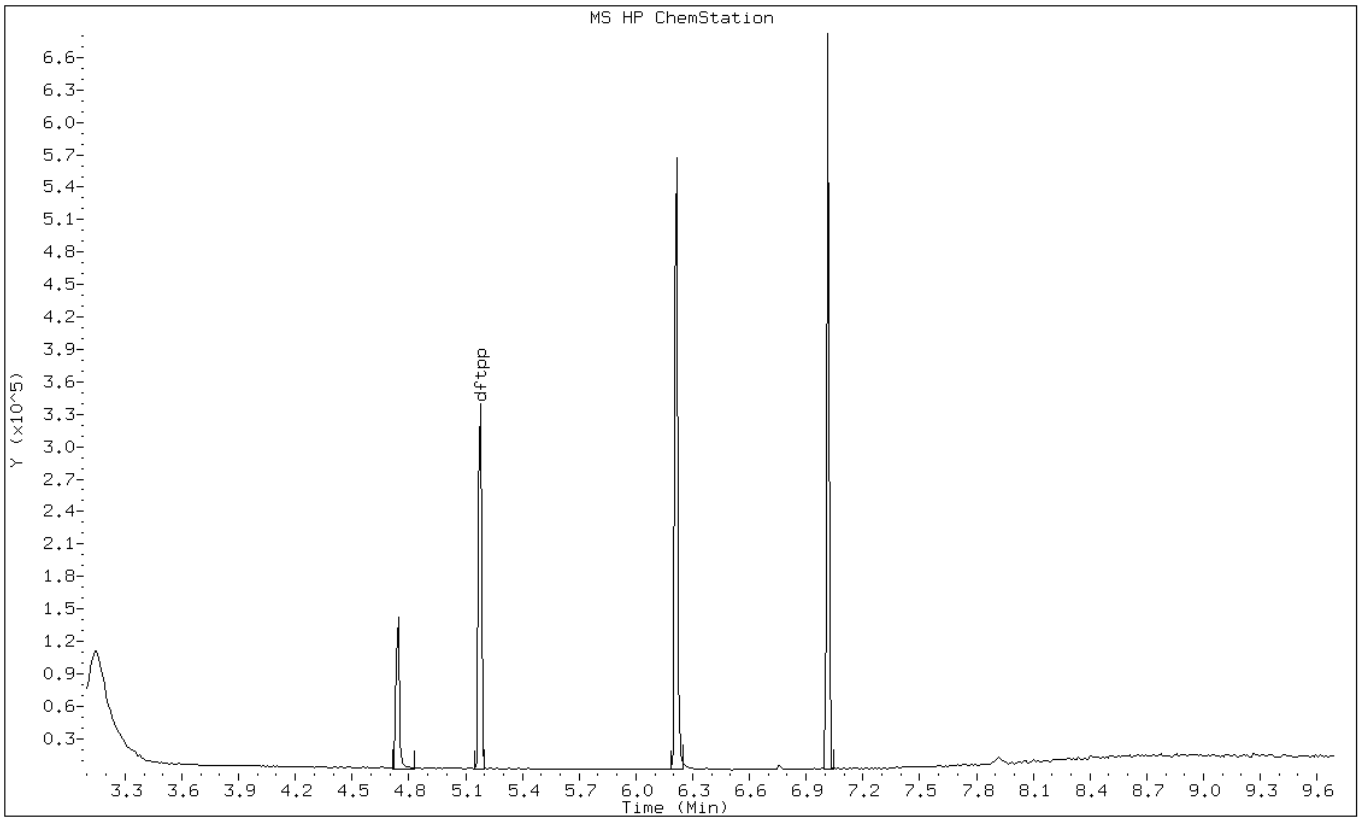
Date: 22-SEP-2009 14:29

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-61180

Operator: BNA2



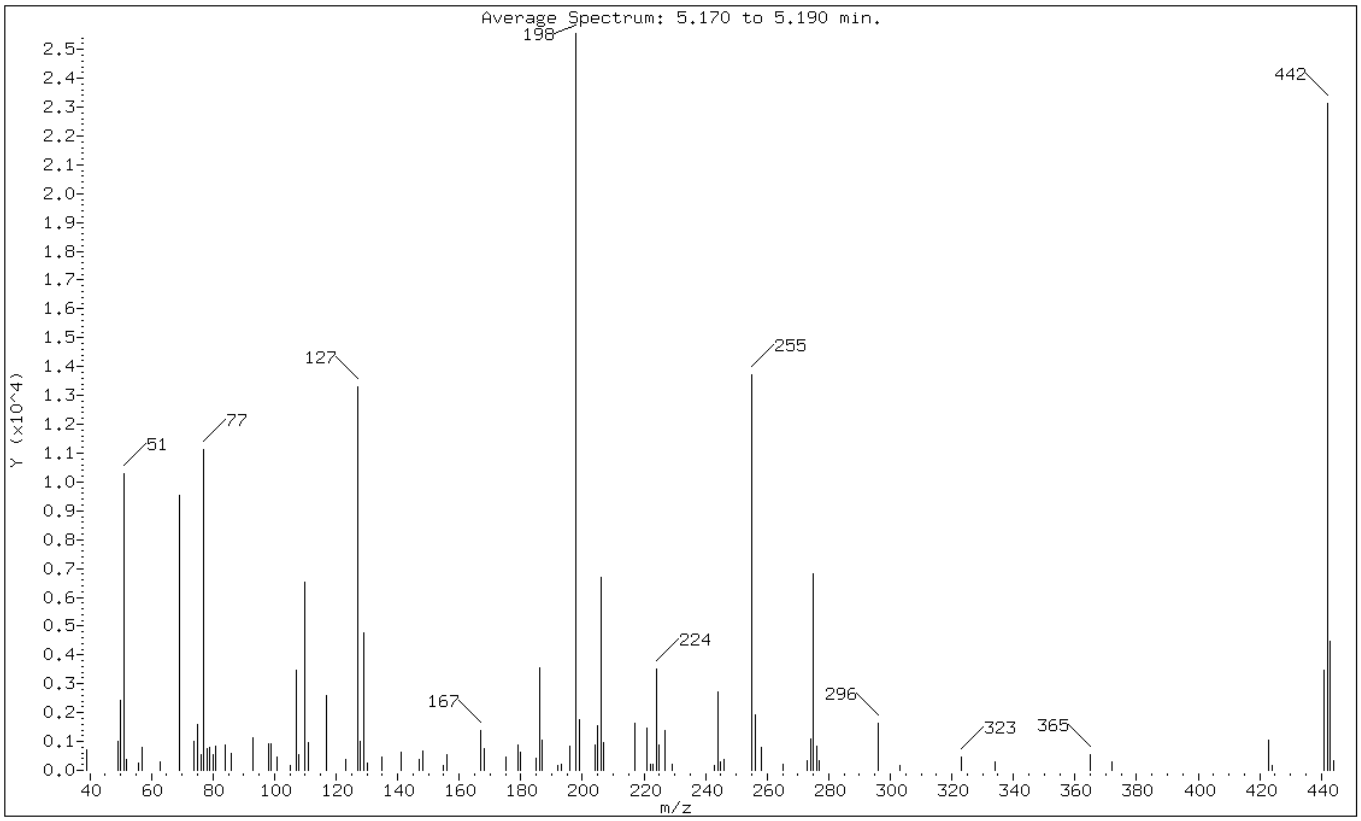
Data File: z4079.d

Date: 22-SEP-2009 14:29

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

1 dftpp




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 30.00 - 60.00% of mass 198 | 40.33 |
| 68 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 69 | Mass 69 relative abundance | 37.36 |
| 70 | Less than 2.00% of mass 69 | 0.00 ( 0.00) |
| 127 | 40.00 - 60.00% of mass 198 | 51.97 |
| 197 | Less than 1.00% of mass 198 | 0.00 |
| 199 | 5.00 - 9.00% of mass 198 | 6.89 |
| 275 | 10.00 - 30.00% of mass 198 | 26.67 |
| 365 | Greater than 1.00% of mass 198 | 2.14 |
| 441 | 0.01 - 100.00% of mass 443 | 13.52 ( 77.33) |
| 442 | 40.00 - 110.00% of mass 198 | 90.49 |
| 443 | 17.00 - 23.00% of mass 442 | 17.49 ( 19.32) |

Data File: z4079.d

Date: 22-SEP-2009 14:29

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-61180 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4079.d
Spectrum: Average Spectrum: 5.170 to 5.190 min.
Location of Maximum: 198.00
Number of points: 90

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 39.00 | 713 | 105.00 | 172 | 186.00 | 3552 | 255.00 | 13718 |
| 49.00 | 1014 | 107.00 | 3479 | 187.00 | 1062 | 256.00 | 1940 |
| 50.00 | 2446 | 108.00 | 545 | 192.00 | 180 | 258.00 | 780 |
| 51.00 | 10305 | 110.00 | 6514 | 193.00 | 189 | 265.00 | 210 |
| 52.00 | 364 | 111.00 | 962 | 196.00 | 854 | 273.00 | 327 |
| 56.00 | 232 | 117.00 | 2576 | 198.00 | 25552 | 274.00 | 1080 |
| 57.00 | 774 | 123.00 | 376 | 199.00 | 1761 | 275.00 | 6814 |
| 63.00 | 293 | 127.00 | 13279 | 204.00 | 860 | 276.00 | 816 |
| 69.00 | 9547 | 128.00 | 1022 | 205.00 | 1545 | 277.00 | 331 |
| 74.00 | 988 | 129.00 | 4766 | 206.00 | 6690 | 296.00 | 1632 |
| 75.00 | 1581 | 130.00 | 263 | 207.00 | 948 | 303.00 | 172 |
| 76.00 | 545 | 135.00 | 446 | 217.00 | 1623 | 323.00 | 465 |
| 77.00 | 11111 | 141.00 | 647 | 221.00 | 1445 | 334.00 | 292 |
| 78.00 | 759 | 147.00 | 361 | 222.00 | 195 | 365.00 | 547 |
| 79.00 | 802 | 148.00 | 666 | 223.00 | 203 | 372.00 | 279 |
| 80.00 | 533 | 155.00 | 175 | 224.00 | 3506 | 423.00 | 1041 |
| 81.00 | 824 | 156.00 | 557 | 225.00 | 866 | 424.00 | 168 |
| 84.00 | 858 | 167.00 | 1375 | 227.00 | 1376 | 441.00 | 3455 |
| 86.00 | 589 | 168.00 | 732 | 229.00 | 226 | 442.00 | 23120 |
| 93.00 | 1134 | 175.00 | 450 | 243.00 | 169 | 443.00 | 4468 |
| 98.00 | 918 | 179.00 | 883 | 244.00 | 2735 | 444.00 | 343 |
| 99.00 | 908 | 180.00 | 639 | 245.00 | 289 | | |
| 101.00 | 464 | 185.00 | 427 | 246.00 | 397 | | |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5887-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-17565/1-A

Matrix: Water | Lab File ID: z4092.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/22/2009 20:15

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 5.0 | U | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 1.0 | U | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 88 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 45 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 97 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 31 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 94 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 90 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4092.d
Report Date: 23-Sep-2009 12:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4092.d
Lab Smp Id: MB 460-17565/1-A
Inj Date : 22-SEP-2009 20:15
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : MB 460-17565/1-A
Misc Info : MB 460-17565/1-A
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom Quant Type: ISTD
Cal Date : 22-SEP-2009 15:25 Cal File: z4081.d
Als bottle: 14 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 106 1,4-Dioxane | 88 | 1.698 | 1.651 | (0.395) | 877 | 0.14251 | 0.28(aH) |
| $ 16 2-Fluorophenol (SUR) | 112 | 3.034 | 3.028 | (0.705) | 326013 | 22.6952 | 45 |
| $ 17 Phenol-d5 (SUR) | 99 | 3.940 | 3.957 | (0.915) | 242662 | 15.6073 | 31 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 424152 | 40.0000 | |
| 23 1,2-Dichlorobenzene | 146 | 4.475 | 4.481 | (1.040) | 2786 | 0.17424 | 0.35(a) |
| $ 76 Nitrobenzene-d5 (SUR) | 82 | 4.863 | 4.869 | (0.870) | 734824 | 48.5856 | 97 |
| * 80 Naphthalene-d8 | 136 | 5.586 | 5.592 | (1.000) | 1583283 | 40.0000 | |
| $ 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1237455 | 44.2482 | 88 |
| * 82 Acenaphthene-d10 | 164 | 7.339 | 7.345 | (1.000) | 785056 | 40.0000 | |
| $ 18 2,4,6-Tribromophenol (SUR) | 330 | 8.116 | 8.122 | (1.106) | 123658 | 44.8986 | 90 |
| * 83 Phenanthrene-d10 | 188 | 8.804 | 8.804 | (1.000) | 1025717 | 40.0000 | |
| $ 78 Terphenyl-d14 | 244 | 10.380 | 10.380 | (0.899) | 766251 | 46.8636 | 94 |
| * 81 Chrysene-d12 | 240 | 11.551 | 11.557 | (1.000) | 501658 | 40.0000 | |
| * 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 286461 | 40.0000 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4092.d
Report Date: 23-Sep-2009 12:39

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z4092.d

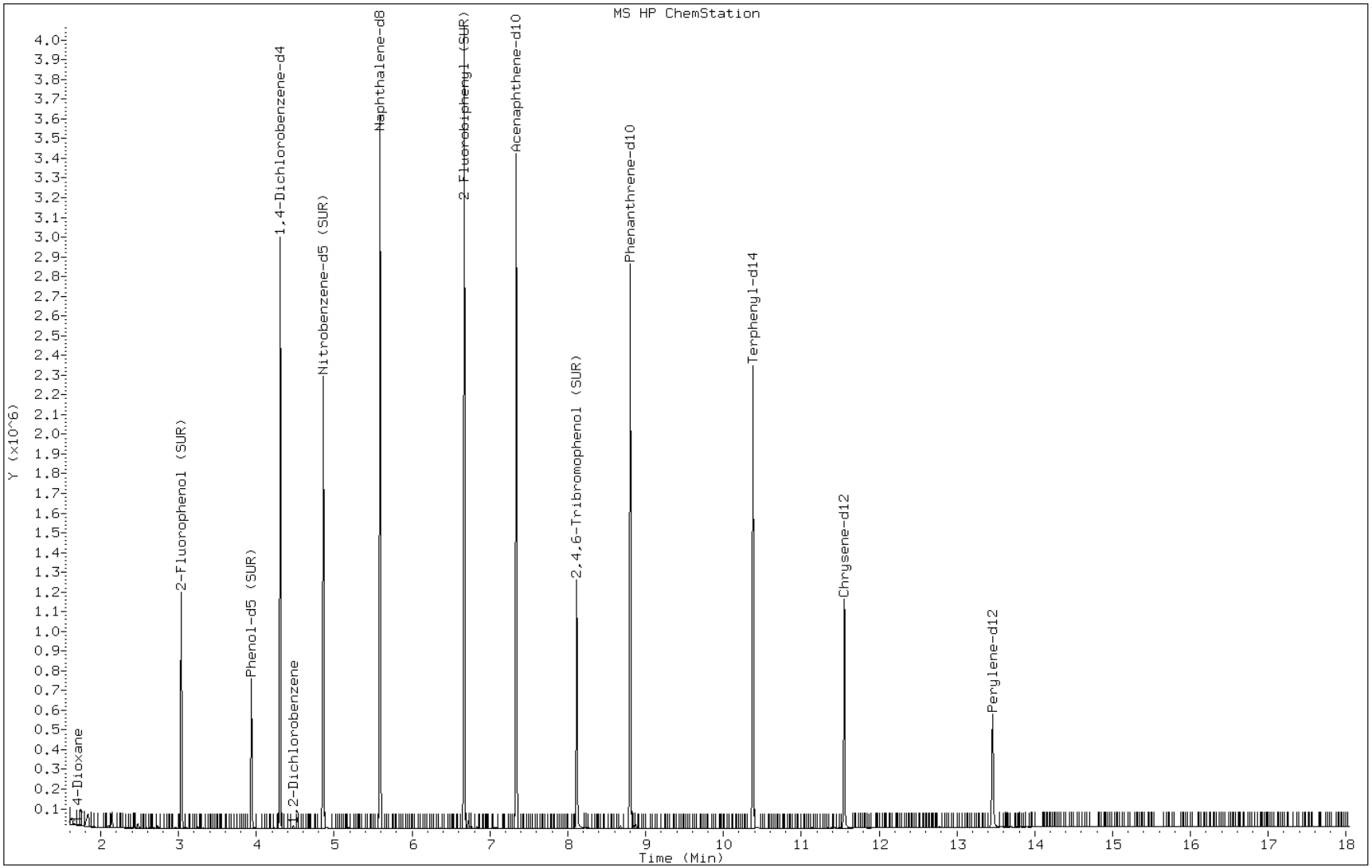
Date: 22-SEP-2009 20:15

Client ID:

Instrument: BNAMS11.i

Sample Info: MB 460-17565/1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5887-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-17565/2-A

Matrix: Water | Lab File ID: z4093.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/22/2009 20:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 74.0 | | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 87.2 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 93 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 47 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 99 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 30 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 89 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 96 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4093.d
Report Date: 23-Sep-2009 12:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4093.d
Lab Smp Id: LCS 460-17565/2-A
Inj Date : 22-SEP-2009 20:40
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : LCS 460-17565/2-A
Misc Info : LCS 460-17565/2-A
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom Quant Type: ISTD
Cal Date : 22-SEP-2009 15:25 Cal File: z4081.d
Als bottle: 15 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.687 | 1.651 | (0.392) | 152099 | 25.8363 | 52(H) |
| | 19 N-Nitrosodimethylamine | 74 | 1.911 | 1.881 | (0.444) | 209003 | 26.4064 | 53 |
| | 71 Pyridine | 79 | 1.940 | 1.910 | (0.451) | 369981 | 25.7199 | 51 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.040 | 3.028 | (0.706) | 326332 | 23.7478 | 47 |
| | 110 Benzaldehyde | 77 | 3.869 | 3.863 | (0.899) | 523521 | 190.837 | 380(AR) |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.946 | 3.957 | (0.917) | 223014 | 14.9942 | 30 |
| | 1 Phenol | 94 | 3.963 | 3.975 | (0.921) | 295073 | 18.2603 | 36 |
| | 73 Aniline | 93 | 3.981 | 3.981 | (0.925) | 720974 | 37.0013 | 74 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.040 | 4.045 | (0.938) | 660871 | 48.8997 | 98 |
| | 2 2-Chlorophenol | 128 | 4.104 | 4.104 | (0.954) | 604846 | 43.7621 | 88 |
| | 21 1,3-Dichlorobenzene | 146 | 4.252 | 4.257 | (0.988) | 716267 | 43.4846 | 87 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 405748 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.328 | 4.328 | (1.005) | 723582 | 44.3622 | 89 |
| | 74 Benzyl Alcohol | 108 | 4.452 | 4.457 | (1.034) | 321815 | 37.6066 | 75 |
| | 23 1,2-Dichlorobenzene | 146 | 4.481 | 4.481 | (1.041) | 689365 | 45.0705 | 90 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4093.d
Report Date: 23-Sep-2009 12:39

| | | | | | | | CONCENTRATIONS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL ( ug/L) |
| | 3 2-Methylphenol | 108 | 4.569 | 4.575 | (1.061) | 405173 | 36.7760 | 74 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.587 | 4.587 | (1.066) | 672067 | 48.3958 | 97 |
| | 104 Acetophenone | 105 | 4.716 | 4.722 | (1.096) | 861972 | 52.3169 | 100 |
| | 4 4-Methylphenol | 108 | 4.728 | 4.734 | (1.098) | 331188 | 30.9072 | 62 |
| | 124 3 & 4 methylphenol | 108 | 4.728 | 4.734 | (1.098) | 331188 | 30.8756 | 62 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.728 | 4.728 | (1.098) | 401890 | 51.1262 | 100 |
| | 26 Hexachloroethane | 117 | 4.816 | 4.822 | (1.119) | 276655 | 42.7625 | 86 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.869 | 4.869 | (0.871) | 677043 | 49.6681 | 99 |
| | 27 Nitrobenzene | 77 | 4.893 | 4.892 | (0.875) | 857693 | 48.0382 | 96 |
| | 107 N,N-Dimethylaniline | 120 | 4.893 | 4.898 | (1.137) | 880203 | 43.6222 | 87 |
| | 28 Isophorone | 82 | 5.134 | 5.134 | (0.918) | 1140213 | 50.3016 | 100 |
| | 5 2-Nitrophenol | 139 | 5.210 | 5.210 | (0.932) | 346109 | 49.3602 | 99 |
| | 6 2,4-Dimethylphenol | 122 | 5.263 | 5.263 | (0.941) | 475656 | 45.4220 | 91 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.351 | 5.351 | (0.957) | 687299 | 49.8017 | 100 |
| | 7 2,4-Dichlorophenol | 162 | 5.457 | 5.457 | (0.976) | 453206 | 48.1878 | 96 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.534 | 5.539 | (0.989) | 539001 | 46.5397 | 93 |
| * | 80 Naphthalene-d8 | 136 | 5.593 | 5.592 | (1.000) | 1426993 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.616 | 5.616 | (1.004) | 1727478 | 46.8605 | 94 |
| | 32 4-Chloroaniline | 127 | 5.669 | 5.669 | (1.014) | 669170 | 47.7428 | 95 |
| | 33 Hexachlorobutadiene | 225 | 5.746 | 5.745 | (1.027) | 312722 | 44.8075 | 90 |
| | 111 Caprolactam | 113 | 6.034 | 6.051 | (1.079) | 30558 | 10.7364 | 21 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.169 | 6.175 | (1.103) | 432050 | 45.5969 | 91 |
| | 34 2-Methylnaphthalene | 142 | 6.304 | 6.304 | (1.127) | 1068214 | 48.3786 | 97 |
| | 120 1-Methylnaphthalene | 142 | 6.398 | 6.404 | (1.144) | 12570 | 0.57522 | 1.2(a) |
| | 35 Hexachlorocyclopentadiene | 237 | 6.469 | 6.475 | (0.881) | 280062 | 38.2014 | 76 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.593 | 6.598 | (0.898) | 294178 | 48.9537 | 98 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.634 | 6.639 | (0.903) | 307109 | 49.7214 | 99 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1090613 | 46.4296 | 93 |
| | 102 Diphenyl | 154 | 6.775 | 6.775 | (0.922) | 1257380 | 49.4983 | 99 |
| | 36 2-Chloronaphthalene | 162 | 6.793 | 6.792 | (0.925) | 973260 | 48.9702 | 98 |
| | 103 Diphenyl Ether | 170 | 6.881 | 6.881 | (0.937) | 668439 | 48.6931 | 97 |
| | 37 2-Nitroaniline | 65 | 6.898 | 6.898 | (0.939) | 338907 | 56.1618 | 110 |
| | 38 Dimethylphthalate | 163 | 7.081 | 7.081 | (0.964) | 1015489 | 51.8756 | 100 |
| | 40 2,6-Dinitrotoluene | 165 | 7.140 | 7.139 | (0.972) | 229087 | 50.7096 | 100 |
| | 39 Acenaphthylene | 152 | 7.204 | 7.204 | (0.981) | 1500027 | 49.0871 | 98 |
| | 41 3-Nitroaniline | 138 | 7.304 | 7.304 | (0.994) | 224152 | 48.4866 | 97 |
| * | 82 Acenaphthene-d10 | 164 | 7.345 | 7.345 | (1.000) | 659391 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.375 | 7.375 | (1.004) | 865920 | 50.6978 | 100 |
| | 11 2,4-Dinitrophenol | 184 | 7.404 | 7.410 | (1.008) | 69517 | 36.4215 | 73 |
| | 12 4-Nitrophenol | 65 | 7.481 | 7.481 | (1.018) | 35839 | 12.5317 | 25(a) |
| | 44 2,4-Dinitrotoluene | 165 | 7.534 | 7.539 | (1.026) | 268494 | 51.5576 | 100 |
| | 43 Dibenzofuran | 168 | 7.545 | 7.545 | (1.027) | 1239873 | 50.2941 | 100 |
| | 45 Diethylphthalate | 149 | 7.781 | 7.780 | (1.059) | 954100 | 51.7459 | 100 |
| | 47 Fluorene | 166 | 7.887 | 7.886 | (1.074) | 938308 | 50.1568 | 100 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.881 | 7.886 | (1.073) | 467009 | 51.4822 | 100 |
| | 48 4-Nitroaniline | 138 | 7.910 | 7.910 | (1.077) | 195415 | 50.0523 | 100 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.940 | 7.939 | (0.902) | 113195 | 46.6131 | 93 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4093.d
Report Date: 23-Sep-2009 12:39

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 49 N-Nitrosodiphenylamine | 169 | 8.004 | 8.004 | (0.909) | 652080 | 54.8491 | 110 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.040 | 8.039 | (0.913) | 1078761 | 48.9737 | 98 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.122 | 8.122 | (1.106) | 110941 | 47.9579 | 96 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.363 | 8.363 | (0.950) | 257899 | 50.9576 | 100 |
| | 51 Hexachlorobenzene | 284 | 8.434 | 8.433 | (0.958) | 245640 | 49.9955 | 100 |
| | 112 Atrazine | 200 | 8.534 | 8.533 | (0.969) | 191299 | 49.4102 | 99 |
| | 14 Pentachlorophenol | 266 | 8.628 | 8.627 | (0.980) | 90531 | 39.8719 | 80 |
| * | 83 Phenanthrene-d10 | 188 | 8.804 | 8.804 | (1.000) | 797900 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.828 | 8.827 | (1.003) | 1116156 | 50.6421 | 100 |
| | 53 Anthracene | 178 | 8.881 | 8.880 | (1.009) | 1127917 | 49.8031 | 100 |
| | 54 Carbazole | 167 | 9.039 | 9.039 | (1.027) | 866124 | 49.4843 | 99 |
| | 55 Di-n-butylphthalate | 149 | 9.381 | 9.386 | (1.065) | 1183433 | 49.9186 | 100 |
| | 56 Fluoranthene | 202 | 9.998 | 9.998 | (1.136) | 875067 | 48.6885 | 97 |
| | 58 Benzidine | 184 | 10.122 | 10.127 | (1.150) | 113056 | 126.678 | 250(AR) |
| | 57 Pyrene | 202 | 10.222 | 10.222 | (0.884) | 851819 | 48.2622 | 96 |
| $ | 78 Terphenyl-d14 | 244 | 10.375 | 10.380 | (0.898) | 573858 | 44.4588 | 89 |
| | 59 Butylbenzylphthalate | 149 | 10.898 | 10.904 | (0.943) | 346187 | 50.2969 | 100 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.516 | 11.516 | (0.996) | 161429 | 64.8907 | 130(R) |
| | 61 Benzo(a)anthracene | 228 | 11.545 | 11.545 | (0.999) | 553306 | 52.1881 | 100 |
| * | 81 Chrysene-d12 | 240 | 11.557 | 11.557 | (1.000) | 396022 | 40.0000 | |
| | 62 Chrysene | 228 | 11.586 | 11.592 | (1.003) | 518496 | 51.7575 | 100 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.586 | 11.592 | (1.003) | 439422 | 51.2005 | 100 |
| | 64 Di-n-octylphthalate | 149 | 12.439 | 12.439 | (0.924) | 607014 | 49.6579 | 99 |
| | 65 Benzo(b)fluoranthene | 252 | 12.939 | 12.945 | (0.962) | 386403 | 47.1816 | 94 |
| | 66 Benzo(k)fluoranthene | 252 | 12.980 | 12.980 | (0.965) | 442047 | 53.6721 | 110 |
| | 67 Benzo(a)pyrene | 252 | 13.380 | 13.386 | (0.994) | 293411 | 43.5762 | 87 |
| * | 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 266754 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 14.957 | 14.957 | (1.111) | 310762 | 52.9401 | 100 |
| | 69 Dibenz(a,h)anthracene | 278 | 14.992 | 14.992 | (1.114) | 310316 | 53.0278 | 110 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.368 | 15.368 | (1.142) | 311310 | 52.9867 | 100 |

QC Flag Legend

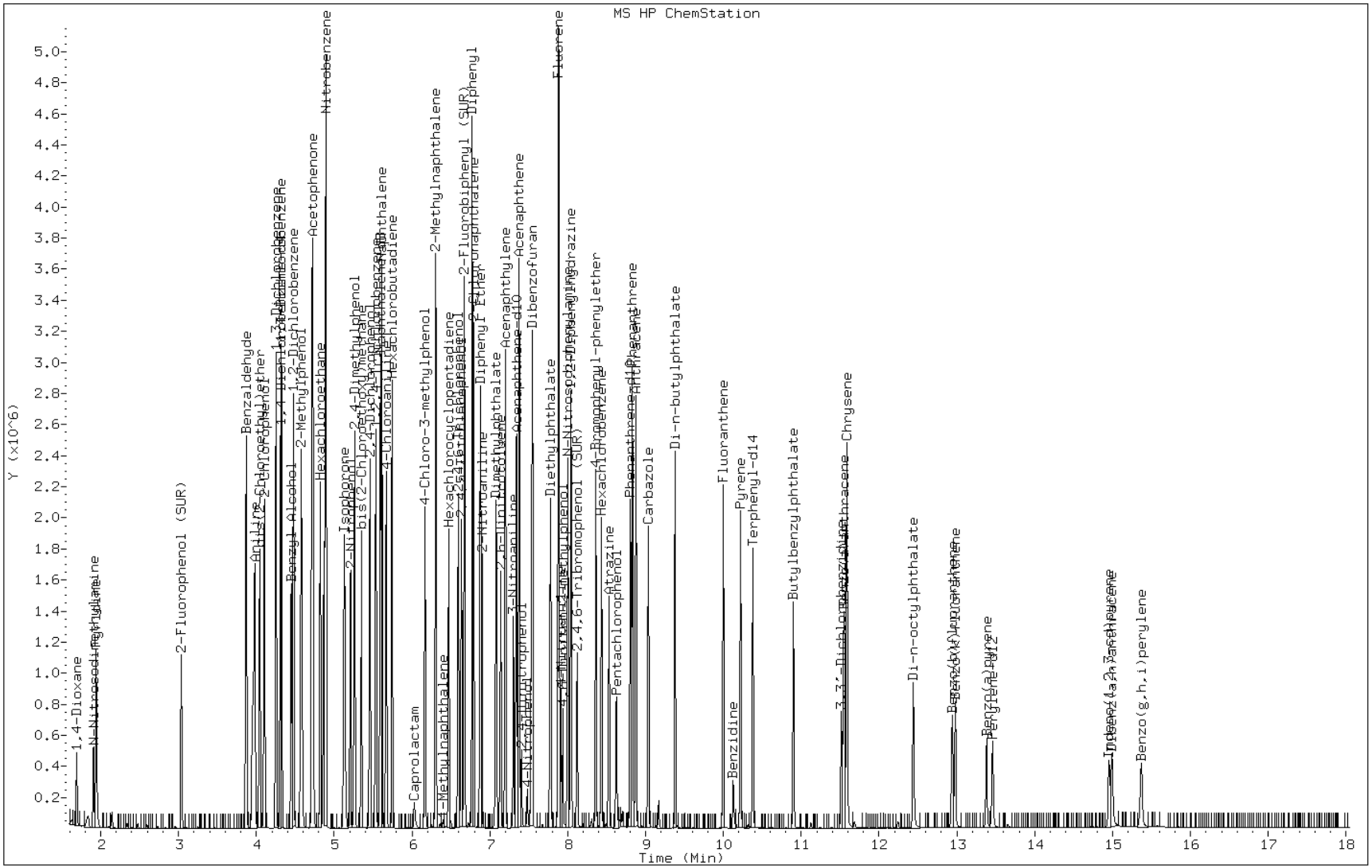
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: z4093.d

Date: 22-SEP-2009 20:40

Client ID: Instrument: BNAMS11.i

Sample Info: LCS 460-17565/2-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5887-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-17565/3-A

Matrix: Water | Lab File ID: z4094.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/22/2009 07:22

Sample wt/vol: 1000(mL) | Date Analyzed: 09/22/2009 21:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 17774 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|---|---|---|---|---|---|
| 62-53-3 | Aniline | 66.7 | | 5.0 | 1.7 |
| 121-69-7 | n,n'-Dimethylaniline | 81.7 | | 1.0 | 0.27 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 90 | 64-119 | |
| 367-12-4 | 2-Fluorophenol | 44 | 15-57 | |
| 4165-60-0 | Nitrobenzene-d5 | 94 | 69-120 | |
| 4165-62-2 | Phenol-d5 | 28 | 10-41 | |
| 1718-51-0 | Terphenyl-d14 | 83 | 38-141 | |
| 118-79-6 | 2,4,6-Tribromophenol | 90 | 69-127 | |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4094.d
Report Date: 23-Sep-2009 12:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4094.d
Lab Smp Id: LCSD 460-17565/3-A
Inj Date : 22-SEP-2009 21:05
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : LCSD 460-17565/3-A
Misc Info : LCSD 460-17565/3-A
Comment :
Method : /chem/BNAMS11.i/8270/09-21-09/22sep09.b/8270C_08SP.m
Meth Date : 22-Sep-2009 15:58 croccom Quant Type: ISTD
Cal Date : 22-SEP-2009 15:25 Cal File: z4081.d
Als bottle: 16 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vt | 2.00000 | Volume of final extract (mL) |
| Vo | 1000.00000 | Volume of sample extracted (mL) |

Cpnd Variable Local Compound Variable

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 106 1,4-Dioxane | 88 | 1.681 | 1.651 | (0.391) | 126118 | 22.4776 | 45(H) |
| | 19 N-Nitrosodimethylamine | 74 | 1.904 | 1.881 | (0.442) | 177953 | 23.5902 | 47 |
| | 71 Pyridine | 79 | 1.934 | 1.910 | (0.449) | 259175 | 18.9040 | 38 |
| $ | 16 2-Fluorophenol (SUR) | 112 | 3.034 | 3.028 | (0.705) | 286781 | 21.8970 | 44 |
| | 110 Benzaldehyde | 77 | 3.869 | 3.863 | (0.899) | 489856 | 187.356 | 370(AR) |
| $ | 17 Phenol-d5 (SUR) | 99 | 3.945 | 3.957 | (0.917) | 197238 | 13.9140 | 28 |
| | 1 Phenol | 94 | 3.957 | 3.975 | (0.919) | 263664 | 17.1198 | 34 |
| | 73 Aniline | 93 | 3.975 | 3.981 | (0.923) | 619252 | 33.3453 | 67 |
| | 20 bis(2-Chloroethyl)ether | 93 | 4.040 | 4.045 | (0.938) | 588830 | 45.7140 | 91 |
| | 2 2-Chlorophenol | 128 | 4.104 | 4.104 | (0.954) | 537926 | 40.8362 | 82 |
| | 21 1,3-Dichlorobenzene | 146 | 4.251 | 4.257 | (0.988) | 633595 | 40.3591 | 81 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 4.304 | 4.310 | (1.000) | 386711 | 40.0000 | |
| | 22 1,4-Dichlorobenzene | 146 | 4.322 | 4.328 | (1.004) | 641512 | 41.2667 | 82 |
| | 74 Benzyl Alcohol | 108 | 4.451 | 4.457 | (1.034) | 283735 | 34.7889 | 70 |
| | 23 1,2-Dichlorobenzene | 146 | 4.481 | 4.481 | (1.041) | 611785 | 41.9673 | 84 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4094.d
Report Date: 23-Sep-2009 12:39

| | | | | | | | CONCENTRATIONS | |
|---|---|---|---|---|---|---|---|---|
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL ( ug/L) |
| | 3 2-Methylphenol | 108 | 4.569 | 4.575 | (1.061) | 361040 | 34.3834 | 69 |
| | 24 bis (2-chloroisopropyl) ether | 45 | 4.587 | 4.587 | (1.066) | 609704 | 46.0664 | 92 |
| | 104 Acetophenone | 105 | 4.716 | 4.722 | (1.096) | 776934 | 49.4769 | 99 |
| | 4 4-Methylphenol | 108 | 4.728 | 4.734 | (1.098) | 297931 | 29.1723 | 58 |
| | 124 3 & 4 methylphenol | 108 | 4.728 | 4.734 | (1.098) | 297931 | 29.1425 | 58 |
| | 25 N-Nitroso-di-n-propylamine | 70 | 4.722 | 4.728 | (1.097) | 367994 | 49.1187 | 98 |
| | 26 Hexachloroethane | 117 | 4.816 | 4.822 | (1.119) | 245220 | 39.7695 | 80 |
| $ | 76 Nitrobenzene-d5 (SUR) | 82 | 4.869 | 4.869 | (0.871) | 613976 | 46.8368 | 94 |
| | 27 Nitrobenzene | 77 | 4.892 | 4.892 | (0.875) | 776710 | 45.2365 | 90 |
| | 107 N,N-Dimethylaniline | 120 | 4.892 | 4.898 | (1.137) | 785673 | 40.8542 | 82 |
| | 28 Isophorone | 82 | 5.134 | 5.134 | (0.918) | 1027855 | 47.1523 | 94 |
| | 5 2-Nitrophenol | 139 | 5.210 | 5.210 | (0.932) | 312677 | 46.3698 | 93 |
| | 6 2,4-Dimethylphenol | 122 | 5.263 | 5.263 | (0.941) | 424457 | 42.1485 | 84 |
| | 29 bis(2-Chloroethoxy)methane | 93 | 5.351 | 5.351 | (0.957) | 624581 | 47.0611 | 94 |
| | 7 2,4-Dichlorophenol | 162 | 5.457 | 5.457 | (0.976) | 410050 | 45.3370 | 91 |
| | 30 1,2,4-Trichlorobenzene | 180 | 5.534 | 5.539 | (0.989) | 482767 | 43.3457 | 87 |
| * | 80 Naphthalene-d8 | 136 | 5.592 | 5.592 | (1.000) | 1372294 | 40.0000 | |
| | 31 Naphthalene | 128 | 5.616 | 5.616 | (1.004) | 1567745 | 44.2226 | 88 |
| | 32 4-Chloroaniline | 127 | 5.669 | 5.669 | (1.014) | 596542 | 44.2575 | 88 |
| | 33 Hexachlorobutadiene | 225 | 5.745 | 5.745 | (1.027) | 276822 | 41.2446 | 82 |
| | 111 Caprolactam | 113 | 6.028 | 6.051 | (1.078) | 25473 | 9.30658 | 19 |
| | 8 4-Chloro-3-methylphenol | 107 | 6.169 | 6.175 | (1.103) | 386380 | 42.4025 | 85 |
| | 34 2-Methylnaphthalene | 142 | 6.304 | 6.304 | (1.127) | 967274 | 45.5532 | 91 |
| | 120 1-Methylnaphthalene | 142 | 6.398 | 6.404 | (1.144) | 10939 | 0.52054 | 1.0(a) |
| | 35 Hexachlorocyclopentadiene | 237 | 6.469 | 6.475 | (0.881) | 263958 | 37.9185 | 76 |
| | 9 2,4,6-Trichlorophenol | 196 | 6.592 | 6.598 | (0.897) | 263882 | 46.2462 | 92 |
| | 10 2,4,5-Trichlorophenol | 196 | 6.634 | 6.639 | (0.903) | 280160 | 47.7692 | 96 |
| $ | 77 2-Fluorobiphenyl (SUR) | 172 | 6.675 | 6.675 | (0.909) | 1002268 | 44.9365 | 90 |
| | 102 Diphenyl | 154 | 6.775 | 6.775 | (0.922) | 1144961 | 47.4685 | 95 |
| | 36 2-Chloronaphthalene | 162 | 6.792 | 6.792 | (0.925) | 888275 | 47.0697 | 94 |
| | 103 Diphenyl Ether | 170 | 6.875 | 6.881 | (0.936) | 608173 | 46.6578 | 93 |
| | 37 2-Nitroaniline | 65 | 6.898 | 6.898 | (0.939) | 307546 | 53.6737 | 110 |
| | 38 Dimethylphthalate | 163 | 7.081 | 7.081 | (0.964) | 898481 | 48.3379 | 97 |
| | 40 2,6-Dinitrotoluene | 165 | 7.139 | 7.139 | (0.972) | 205937 | 48.0082 | 96 |
| | 39 Acenaphthylene | 152 | 7.198 | 7.204 | (0.980) | 1360590 | 46.8907 | 94 |
| | 41 3-Nitroaniline | 138 | 7.304 | 7.304 | (0.994) | 199890 | 45.5367 | 91 |
| * | 82 Acenaphthene-d10 | 164 | 7.345 | 7.345 | (1.000) | 626112 | 40.0000 | |
| | 42 Acenaphthene | 154 | 7.375 | 7.375 | (1.004) | 778711 | 48.0152 | 96 |
| | 11 2,4-Dinitrophenol | 184 | 7.404 | 7.410 | (1.008) | 60380 | 33.3158 | 67 |
| | 12 4-Nitrophenol | 65 | 7.481 | 7.481 | (1.018) | 30428 | 11.2052 | 22(a) |
| | 44 2,4-Dinitrotoluene | 165 | 7.533 | 7.539 | (1.026) | 236184 | 47.7639 | 96 |
| | 43 Dibenzofuran | 168 | 7.545 | 7.545 | (1.027) | 1104437 | 47.1815 | 94 |
| | 45 Diethylphthalate | 149 | 7.775 | 7.780 | (1.058) | 843810 | 48.1968 | 96 |
| | 47 Fluorene | 166 | 7.881 | 7.886 | (1.073) | 841337 | 47.3637 | 95 |
| | 46 4-Chlorophenyl-phenylether | 204 | 7.881 | 7.886 | (1.073) | 413883 | 48.0508 | 96 |
| | 48 4-Nitroaniline | 138 | 7.904 | 7.910 | (1.076) | 171567 | 46.2797 | 92 |
| | 13 4,6-Dinitro-2-methylphenol | 198 | 7.939 | 7.939 | (0.902) | 97632 | 43.4800 | 87 |

Data File: /chem/BNAMS11.i/8270/09-21-09/22sep09.b/z4094.d
Report Date: 23-Sep-2009 12:39

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/ml) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 49 N-Nitrosodiphenylamine | 169 | 8.004 | 8.004 | (0.909) | 579720 | 52.7356 | 100 |
| | 75 1,2-Diphenylhydrazine | 77 | 8.039 | 8.039 | (0.913) | 958414 | 47.0552 | 94 |
| $ | 18 2,4,6-Tribromophenol (SUR) | 330 | 8.122 | 8.122 | (1.106) | 99100 | 45.1163 | 90 |
| | 50 4-Bromophenyl-phenylether | 248 | 8.363 | 8.363 | (0.950) | 229933 | 49.1335 | 98 |
| | 51 Hexachlorobenzene | 284 | 8.433 | 8.433 | (0.958) | 216122 | 47.5716 | 95 |
| | 112 Atrazine | 200 | 8.528 | 8.533 | (0.969) | 169193 | 47.2610 | 94 |
| | 14 Pentachlorophenol | 266 | 8.628 | 8.627 | (0.980) | 80464 | 38.3255 | 77 |
| * | 83 Phenanthrene-d10 | 188 | 8.804 | 8.804 | (1.000) | 737788 | 40.0000 | |
| | 52 Phenanthrene | 178 | 8.828 | 8.827 | (1.003) | 982896 | 48.2293 | 96 |
| | 53 Anthracene | 178 | 8.875 | 8.880 | (1.008) | 1001094 | 47.8047 | 96 |
| | 54 Carbazole | 167 | 9.033 | 9.039 | (1.026) | 762168 | 47.0928 | 94 |
| | 55 Di-n-butylphthalate | 149 | 9.380 | 9.386 | (1.065) | 1012162 | 46.1727 | 92 |
| | 56 Fluoranthene | 202 | 9.998 | 9.998 | (1.136) | 767789 | 46.2002 | 92 |
| | 58 Benzidine | 184 | 10.122 | 10.127 | (1.150) | 59358 | 71.9291 | 140(R) |
| | 57 Pyrene | 202 | 10.222 | 10.222 | (0.884) | 737171 | 45.3058 | 91 |
| $ | 78 Terphenyl-d14 | 244 | 10.374 | 10.380 | (0.898) | 496017 | 41.6845 | 83 |
| | 59 Butylbenzylphthalate | 149 | 10.898 | 10.904 | (0.943) | 297733 | 46.9227 | 94 |
| | 60 3,3'-Dichlorobenzidine | 252 | 11.516 | 11.516 | (0.996) | 140979 | 61.4724 | 120(R) |
| | 61 Benzo(a)anthracene | 228 | 11.539 | 11.545 | (0.998) | 476150 | 48.7164 | 97 |
| * | 81 Chrysene-d12 | 240 | 11.557 | 11.557 | (1.000) | 365085 | 40.0000 | |
| | 62 Chrysene | 228 | 11.586 | 11.592 | (1.003) | 446510 | 48.3486 | 97 |
| | 63 bis(2-Ethylhexyl)phthalate | 149 | 11.586 | 11.592 | (1.003) | 371356 | 46.9362 | 94 |
| | 64 Di-n-octylphthalate | 149 | 12.439 | 12.439 | (0.924) | 505326 | 44.6653 | 89 |
| | 65 Benzo(b)fluoranthene | 252 | 12.939 | 12.945 | (0.962) | 342269 | 45.1553 | 90 |
| | 66 Benzo(k)fluoranthene | 252 | 12.974 | 12.980 | (0.964) | 374069 | 49.0729 | 98 |
| | 67 Benzo(a)pyrene | 252 | 13.380 | 13.386 | (0.994) | 254844 | 40.8937 | 82 |
| * | 84 Perylene-d12 | 264 | 13.457 | 13.462 | (1.000) | 246889 | 40.0000 | |
| | 68 Indeno(1,2,3-cd)pyrene | 276 | 14.957 | 14.957 | (1.111) | 275120 | 50.6394 | 100 |
| | 69 Dibenz(a,h)anthracene | 278 | 14.992 | 14.992 | (1.114) | 267868 | 49.4572 | 99 |
| | 70 Benzo(g,h,i)perylene | 276 | 15.368 | 15.368 | (1.142) | 275140 | 50.5984 | 100 |

QC Flag Legend

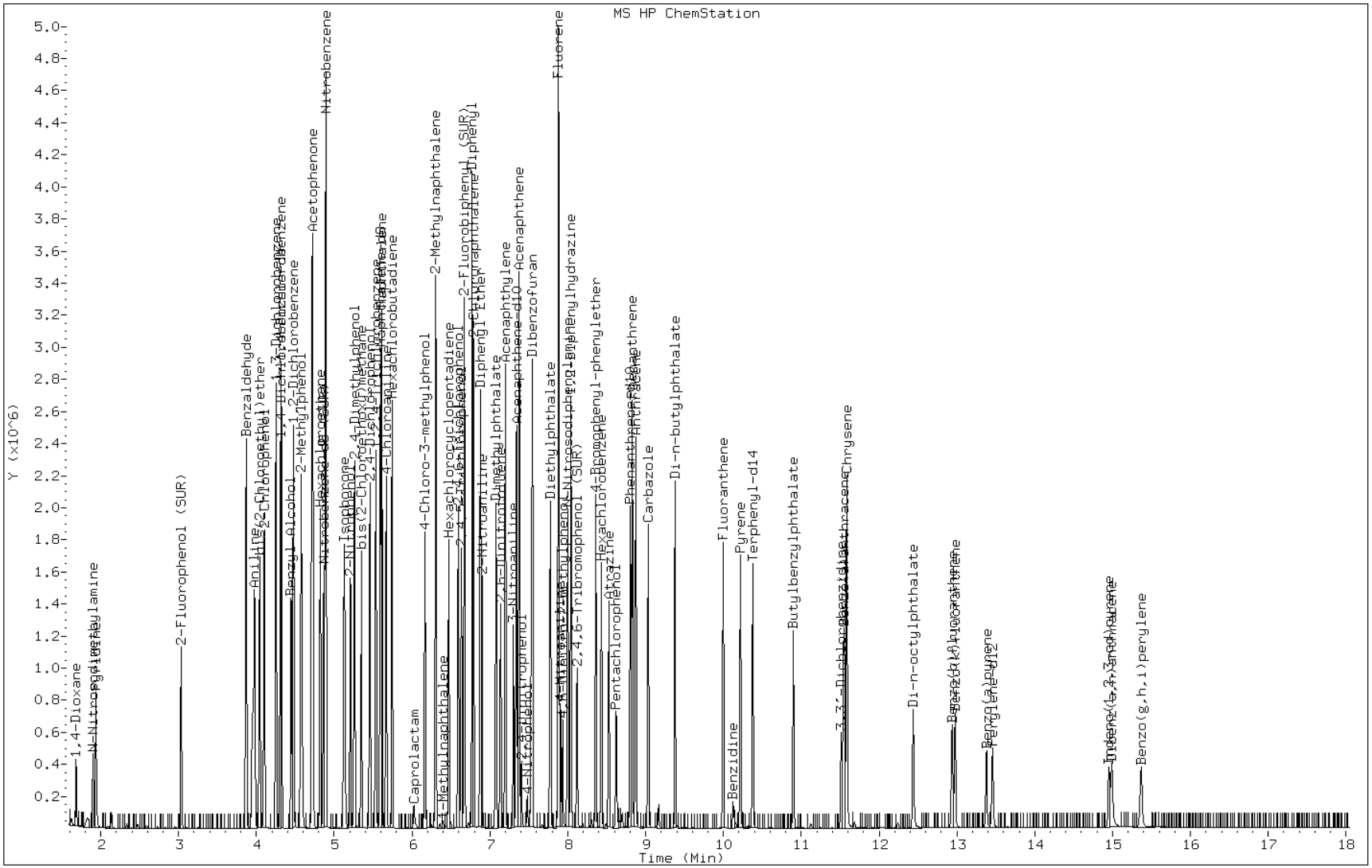
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: z4094.d

Date: 22-SEP-2009 21:05

Client ID: Instrument: BNAMS11.i

Sample Info: LCSD 460-17565/3-A Operator: BNAMS 4



# Organic Prep Worksheet

Batch Number: 460-17565
Method: 3510C
Analyst: Chen, Mandi

Date Open: Sep 22 2009 7:22AM
Batch End: Sep 22 2009 3:00PM

| Lab ID | Client ID | Method Chain | Basis | pH of the sample at receipt | Initial weight/volume of sample | Final weight/volume of sample | pH of the sample after first adjustment | pH of the sample after the second adjust | OP625/82SP_00009 |
|---|---|---|---|---|---|---|---|---|---|
| MB~460-17565/1 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | |
| LCS~460-17565/2 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| LCSD~460-17565/3 | | 3510C, 8270C | | 7 | 1000 mL | 2 mL | <2 | >12 | 1 mL |
| 460-5829-H-1 | MW-17R | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-G-2 | MW-25S | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-H-3 | MW-23I | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-H-4 | MW-23S | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-G-5 | MW-18 | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-G-6 | PZ-5S | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-G-7 | PZ-5D | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5829-G-8 | MW-19 | | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5830-B-31 | FB | | T | 7 | 980 mL | 2 mL | <2 | >12 | |
| 460-5887-H-1 | MW-24DR | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5887-H-2 | MW-24SR | 3510C, 8270C | T | 7 | 1000 mL | 2 mL | <2 | >12 | |
| 460-5914-A-10 | FB092109 | | T | 7 | 970 mL | 2 mL | <2 | >12 | |

# Organic Prep Worksheet

Batch Number: 460-17565
Method: 3510C
Analyst: Chen, Mandi

Date Open: Sep 22 2009 7:22AM
Batch End: Sep 22 2009 3:00PM

| Lab ID | Client ID | Method Chain | Basis | OP625/82SU_00006 |
|---|---|---|---|---|
| MB~460-17565/1 | | 3510C, 8270C | | 1 mL |
| LCS~460-17565/2 | | 3510C, 8270C | | 1 mL |
| LCSD~460-17565/3 | | 3510C, 8270C | | 1 mL |
| 460-5829-H-1 | MW-17R | | T | 1 mL |
| 460-5829-G-2 | MW-25S | | T | 1 mL |
| 460-5829-H-3 | MW-23I | | T | 1 mL |
| 460-5829-H-4 | MW-23S | | T | 1 mL |
| 460-5829-G-5 | MW-18 | | T | 1 mL |
| 460-5829-G-6 | PZ-5S | | T | 1 mL |
| 460-5829-G-7 | PZ-5D | | T | 1 mL |
| 460-5829-G-8 | MW-19 | | T | 1 mL |
| 460-5830-B-31 | FB | | T | 1 mL |
| 460-5887-H-1 | MW-24DR | 3510C, 8270C | T | 1 mL |
| 460-5887-H-2 | MW-24SR | 3510C, 8270C | T | 1 mL |
| 460-5914-A-10 | FB092109 | | T | 1 mL |

| | |
|---|---|
| Person's name who did the prep: | MC |
| Prep Solvent Name: | MeCl2 |
| Prep Solvent Lot #: | H29E06 |
| Prep Solvent Volume Used: | 180 mL |
| Person's name who witnessed reagent drop: | JCR |
| Acid used for pH adjustment: | H2SO4 |
| Acid used for pH adjust Lot #: | G35029 |
| Base used for pH adjustment: | NaOH |
| Base used for pH adjust Lot #: | OP075 |
| Person's name who did the concentration: | MC |
| Concentration Start Time: | 11:00AM |
| Concentration End Time: | 12:00PM |
| Na2SO4 Lot Number: | H12597 |
| Oven, Bath or Block Temperature 1: | 100 |

# Organic Prep Worksheet

Batch Number: 460-17565
Method: 3510C
Analyst: Chen, Mandi

Date Open: Sep 22 2009 7:22AM
Batch End: Sep 22 2009 3:00PM

Comments

| Lab ID | Client ID | Method Chain | Basis | Analysis comment |
|---|---|---|---|---|
| MB~460-17565/1 | | 3510C, 8270C | | |
| LCS~460-17565/2 | | 3510C, 8270C | | |
| LCSD~460-17565/3 | | 3510C, 8270C | | |
| 460-5829-H-1 | MW-17R | | T | |
| 460-5829-G-2 | MW-25S | | T | |
| 460-5829-H-3 | MW-23I | | T | |
| 460-5829-H-4 | MW-23S | | T | |
| 460-5829-G-5 | MW-18 | | T | |
| 460-5829-G-6 | PZ-5S | | T | |
| 460-5829-G-7 | PZ-5D | | T | |
| 460-5829-G-8 | MW-19 | | T | |
| 460-5830-B-31 | FB | | T | |
| 460-5887-H-1 | MW-24DR | 3510C, 8270C | T | |
| 460-5887-H-2 | MW-24SR | 3510C, 8270C | T | |
| 460-5914-A-10 | FB092109 | | T | |

Batch Comment: SM_ISTD_00009

# GC VOA

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.53 (mm)

| Client Sample ID | Lab Sample ID | 1Pent1 # |
|---|---|---|
| MW-24DR | 460-5887-1 | 110 |
| MW-24SR | 460-5887-2 | 100 |
| | MB 460-17479/6 | 104 |
| | LCS 460-17479/3 | 95 |
| | LCSD 460-17479/4 | 94 |

| | QC LIMITS |
|---|---|
| 1Pent = 1-Pentanol | 52-122 |

# Column to be used to flag recovery values

FORM II 8015B

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4110.d

Lab ID: LCS 460-17479/3 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| Methanol | 5000 | 4890 | 98 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GC VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Matrix: Water Level: Low Lab File ID: gc5f4111.d

Lab ID: LCSD 460-17479/4 Client ID:

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS RPD | QC LIMITS REC | # |
|---|---|---|---|---|---|---|---|
| Methanol | 5000 | 4850 | 97 | 1 | 30 | 60-145 | |

Calculations are performed before rounding

# Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: MB 460-17479/6

Matrix: Water Date Extracted:

Lab File ID:(1) gc5f4113.d Lab File ID:(2)

Date Analyzed:(1) 09/21/2009 09:39 Date Analyzed:(2)

Instrument ID:(1) BNAGC5 Instrument ID:(2)

GC Column:(1) Rtx-624 ID: 0.53(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|
| | LCS 460-17479/3 | 09/21/2009 09:20 | |
| | LCSD 460-17479/4 | 09/21/2009 09:26 | |
| MW-24DR | 460-5887-1 | 09/21/2009 11:11 | |
| MW-24SR | 460-5887-2 | 09/21/2009 11:17 | |

FORM VIII
HYDROCARBONS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Instrument ID: BNAGC5 Calibration Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calibration End Date: 09/21/2009 08:55

Calibration ID: 3159

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | 1Pent RT # | | |
|---|---|---|---|---|---|---|
| SURROGATE RT FROM CONTINUING CALIBRATION | | | | 3.60 | | |
| UPPER LIMIT | | | | 3.70 | | |
| LOWER LIMIT | | | | 3.50 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 460-17479/2 | | 09/21/2009 09:14 | gc5f4109.d | 3.60 | | |
| LCS 460-17479/3 | | 09/21/2009 09:20 | gc5f4110.d | 3.60 | | |
| LCSD 460-17479/4 | | 09/21/2009 09:26 | gc5f4111.d | 3.61 | | |
| MB 460-17479/6 | | 09/21/2009 09:39 | gc5f4113.d | 3.61 | | |
| CCV 460-17479/14 | | 09/21/2009 10:43 | gc5f4121.d | 3.68 | | |

1Pent = 1-Pentanol

1Pent RT Limit = ± 0.10 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII 8015B

FORM VIII
HYDROCARBONS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Instrument ID: BNAGC5 Calibration Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calibration End Date: 09/21/2009 08:55

Calibration ID: 3159

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

| | | | | 1Pent RT # | | |
|---|---|---|---|---|---|---|
| SURROGATE RT FROM CONTINUING CALIBRATION | | | | 3.68 | | |
| UPPER LIMIT | | | | 3.78 | | |
| LOWER LIMIT | | | | 3.58 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 460-17484/1 | | 09/21/2009 10:43 | gc5f4121.d | 3.68 | | |
| 460-5887-1 | MW-24DR | 09/21/2009 11:11 | gc5f4125.d | 3.70 | | |
| 460-5887-2 | MW-24SR | 09/21/2009 11:17 | gc5f4126.d | 3.70 | | |
| CCV 460-17484/7 | | 09/21/2009 11:33 | gc5f4127.d | 3.74 | | |

1Pent = 1-Pentanol

1Pent RT Limit = ± 0.10 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII 8015B

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Client Sample ID: MW-24DR Lab Sample ID: 460-5887-1

Matrix: Water Lab File ID: gc5f4125.d

Analysis Method: 8015B Date Collected: 09/18/2009 09:30

Sample wt/vol: 1(uL) Date Analyzed: 09/21/2009 11:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17484 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 110 | 52-122 | |

Data File: gc5f4125.d
Report Date: 21-Sep-2009 12:24

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/gc5f4125.d
Lab Smp Id: 460-5887-A-1 Client Smp ID: MW-24DR
Inj Date : 21-SEP-2009 11:11
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5887-A-1
Misc Info : 460-5887-A-1
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/alcohols2008.m
Meth Date : 21-Sep-2009 12:15 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.701 | 3.683 | 0.018 | 26785 | 5495.53 | 5500 |

Data File: gc5f4125.d

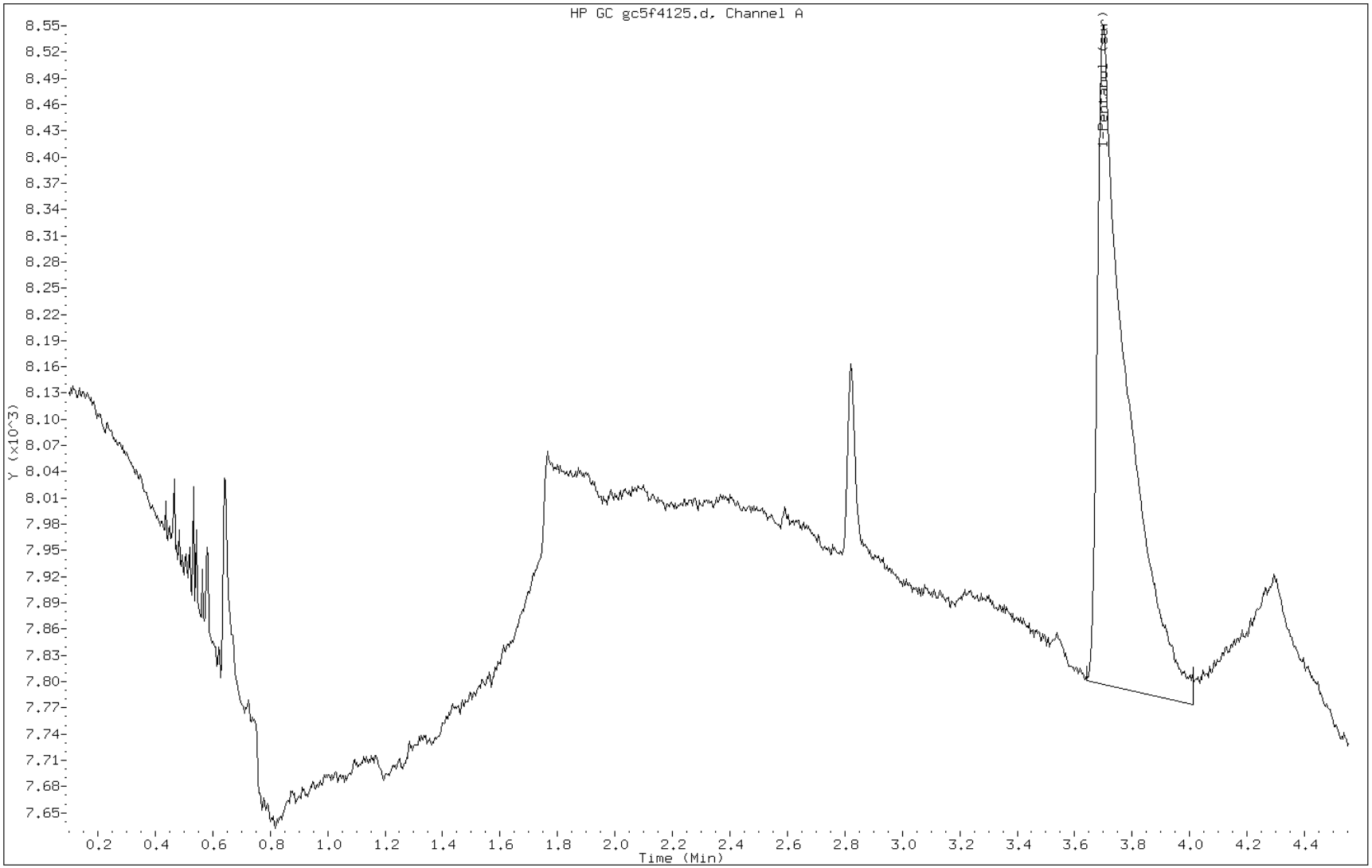
Date: 21-SEP-2009 11:11

Client ID: MW-24DR

Instrument: BNAGC5.i

Sample Info: 460-5887-A-1

Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Client Sample ID: MW-24SR Lab Sample ID: 460-5887-2

Matrix: Water Lab File ID: gc5f4126.d

Analysis Method: 8015B Date Collected: 09/18/2009 09:15

Sample wt/vol: 1(uL) Date Analyzed: 09/21/2009 11:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17484 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 100 | 52-122 | |

Data File: gc5f4126.d
Report Date: 21-Sep-2009 12:27

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/gc5f4126.d
Lab Smp Id: 460-5887-B-2 Client Smp ID: MW-24SR
Inj Date : 21-SEP-2009 11:17
Operator : 615 Inst ID: BNAGC5.i
Smp Info : 460-5887-B-2
Misc Info : 460-5887-B-2
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/alcohols2008.m
Meth Date : 21-Sep-2009 12:15 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.702 | 3.683 | 0.019 | 24418 | 5009.89 | 5010 |

Data File: gc5f4126.d

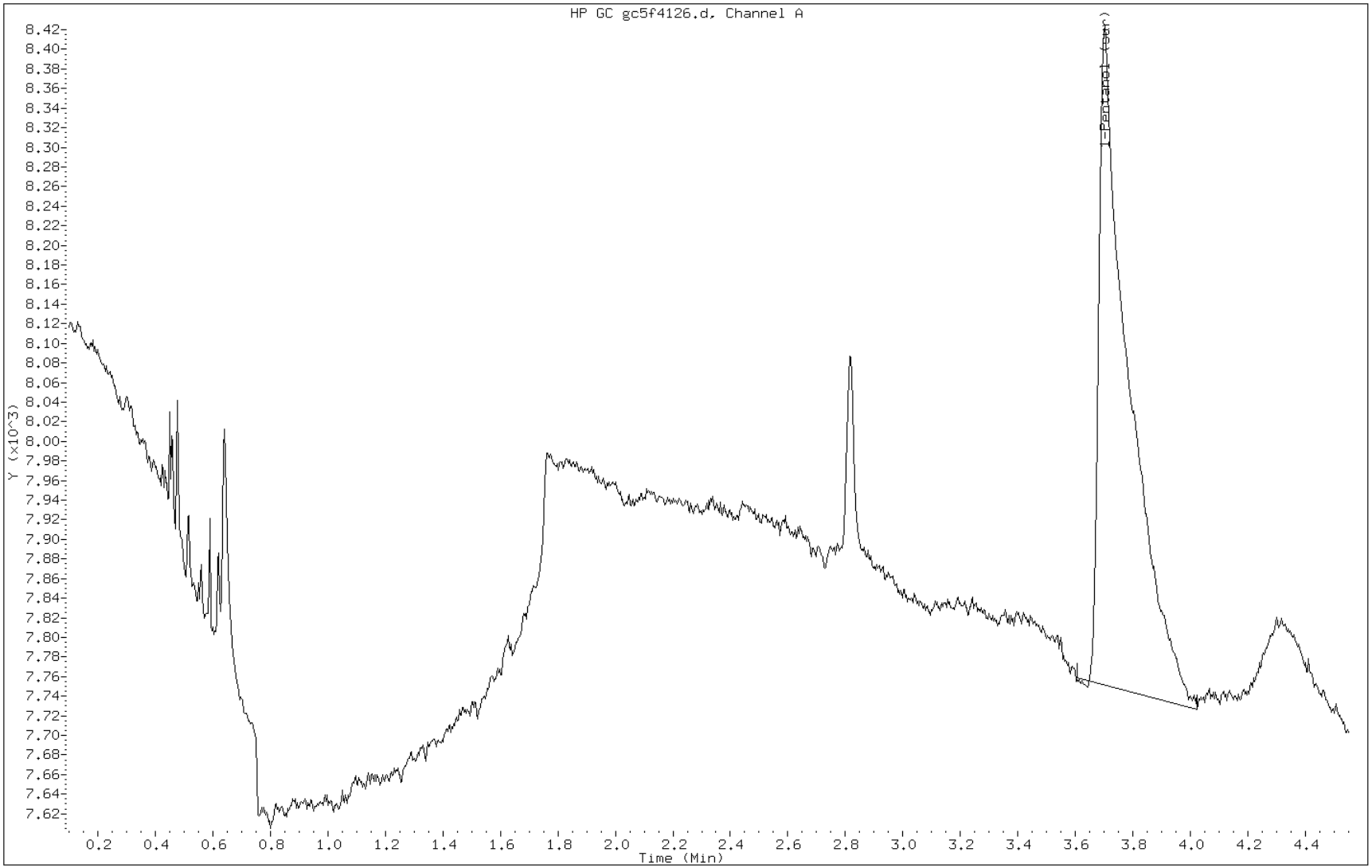
Date: 21-SEP-2009 11:17

Client ID: MW-24SR

Instrument: BNAGC5.i

Sample Info: 460-5887-B-2

Operator: 615



FORM VI
GC VOA INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17459

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 08:30 Calibration End Date: 09/21/2009 08:55 Calibration ID: 3159

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17459/6 | gc5f4107.d |
| Level 2 | IC 460-17459/5 | gc5f4106.d |
| Level 3 | IC 460-17459/4 | gc5f4105.d |
| Level 4 | IC 460-17459/3 | gc5f4104.d |
| Level 5 | IC 460-17459/2 | gc5f4103.d |

| ANALYTE | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | | | | | RT WINDOW | AVG RT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Methanol | 0.827 | 0.829 | 0.820 | 0.820 | 0.823 | | | | | | 0.720 - 0.920 | 0.824 |
| Ethanol | 1.050 | 1.053 | 1.043 | 1.043 | 1.047 | | | | | | 0.943 - 1.143 | 1.047 |
| 2-Methyl-2-propanol | 1.243 | 1.245 | 1.233 | 1.237 | 1.237 | | | | | | 1.133 - 1.333 | 1.239 |
| Isopropyl alcohol | 1.397 | 1.401 | 1.390 | 1.390 | 1.393 | | | | | | 1.290 - 1.490 | 1.394 |
| Propanol | 1.680 | 1.680 | 1.667 | 1.670 | 1.673 | | | | | | 1.567 - 1.767 | 1.674 |
| Isobutyl alcohol | 1.960 | 1.963 | 1.950 | 1.950 | 1.953 | | | | | | 1.850 - 2.050 | 1.955 |
| n-Butanol | 2.230 | 2.232 | 2.220 | 2.220 | 2.223 | | | | | | 2.120 - 2.320 | 2.225 |
| sec-Butyl Alcohol | 2.567 | 2.570 | 2.557 | 2.557 | 2.560 | | | | | | 2.457 - 2.657 | 2.562 |
| 1-Pentanol | 3.577 | 3.580 | 3.570 | 3.563 | 3.567 | | | | | | 3.470 - 3.670 | 3.571 |

FORM VI
GC VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17459

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 08:30 Calibration End Date: 09/21/2009 08:55 Calibration ID: 3159

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17459/6 | gc5f4107.d |
| Level 2 | IC 460-17459/5 | gc5f4106.d |
| Level 3 | IC 460-17459/4 | gc5f4105.d |
| Level 4 | IC 460-17459/3 | gc5f4104.d |
| Level 5 | IC 460-17459/2 | gc5f4103.d |

| ANALYTE | RRF | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 5 | LVL 2 | LVL 3 | LVL 4 | | B | M1 | M2 | | | | | | | | |
| Methanol | 4.6100 3.5648 | 3.9525 | 3.7032 | 3.4312 | Ave | | 4 | | | | 12.1 | | 20.0 | | | |
| Ethanol | 4.9380 3.8010 | 4.1620 | 3.9490 | 3.5963 | Ave | | 4 | | | | 12.7 | | 20.0 | | | |
| 2-Methyl-2-propanol | 5.6280 4.0479 | 4.3915 | 4.1698 | 3.7892 | Ave | | 4 | | | | 16.3 | | 20.0 | | | |
| Isopropyl alcohol | 7.3460 5.8680 | 6.0060 | 5.9358 | 5.6988 | Ave | | 6 | | | | 10.8 | | 20.0 | | | |
| Propanol | 5.2380 4.8987 | 4.9730 | 5.5700 | 4.9894 | Ave | | 5 | | | | 5.4 | | 20.0 | | | |
| Isobutyl alcohol | 5.3120 4.6190 | 4.7825 | 4.5912 | 4.5591 | Ave | | 5 | | | | 6.6 | | 20.0 | | | |
| n-Butanol | 5.6860 5.2839 | 4.8855 | 4.9810 | 5.2038 | Ave | | 5 | | | | 6.0 | | 20.0 | | | |
| sec-Butyl Alcohol | 5.4280 5.0800 | 4.6580 | 4.5232 | 4.9853 | Ave | | 5 | | | | 7.3 | | 20.0 | | | |
| 1-Pentanol | 4.7080 5.0987 | 4.7010 | 4.6502 | 5.2119 | Ave | | 5 | | | | 5.4 | | 20.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-5887-1 Analy Batch No.: 17459

SDG No.:

Instrument ID: BNAGC5 GC Column: Rtx-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 08:30 Calibration End Date: 09/21/2009 08:55 Calibration ID: 3159

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 460-17459/6 | gc5f4107.d |
| Level 2 | IC 460-17459/5 | gc5f4106.d |
| Level 3 | IC 460-17459/4 | gc5f4105.d |
| Level 4 | IC 460-17459/3 | gc5f4104.d |
| Level 5 | IC 460-17459/2 | gc5f4103.d |

| ANALYTE | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| Methanol | Ave | 2305 | 7905 | 18516 | 85781 | 178239 | 500 | 2000 | 5000 | 25000 | 50000 |
| Ethanol | Ave | 2469 | 8324 | 19745 | 89907 | 190050 | 500 | 2000 | 5000 | 25000 | 50000 |
| 2-Methyl-2-propanol | Ave | 2814 | 8783 | 20849 | 94731 | 202395 | 500 | 2000 | 5000 | 25000 | 50000 |
| Isopropyl alcohol | Ave | 3673 | 12012 | 29679 | 142469 | 293398 | 500 | 2000 | 5000 | 25000 | 50000 |
| Propanol | Ave | 2619 | 9946 | 27850 | 124735 | 244933 | 500 | 2000 | 5000 | 25000 | 50000 |
| Isobutyl alcohol | Ave | 2656 | 9565 | 22956 | 113978 | 230951 | 500 | 2000 | 5000 | 25000 | 50000 |
| n-Butanol | Ave | 2843 | 9771 | 24905 | 130095 | 264193 | 500 | 2000 | 5000 | 25000 | 50000 |
| sec-Butyl Alcohol | Ave | 2714 | 9316 | 22616 | 124633 | 254001 | 500 | 2000 | 5000 | 25000 | 50000 |
| 1-Pentanol | Ave | 2354 | 9402 | 23251 | 130298 | 254934 | 500 | 2000 | 5000 | 25000 | 50000 |

Curve Type Legend:
Ave = Average

Data File: gc5f4103.d
Report Date: 21-Sep-2009 09:57

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/gc5f4103.d
Lab Smp Id: SGALCL5_00002
Inj Date  : 21-SEP-2009 08:30
Operator  : 615                          Inst ID: BNAGC5.i
Smp Info  : SGALCL5_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/alcohols2008.m
Meth Date : 21-Sep-2009 09:57 patelhe    Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:30            Cal File: gc5f4103.d
Als bottle: 1                            Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie                     Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable  Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.823 | 0.820 | 0.003 | 178239 | 50000.0 | 50000(M) |
| 5 Ethanol | 1.047 | 1.043 | 0.004 | 190050 | 50000.0 | 50200(AM) |
| 4 tert-Butyl Alcohol | 1.237 | 1.233 | 0.004 | 202395 | 50000.0 | 50600(AM) |
| 6 Isopropanol | 1.393 | 1.390 | 0.003 | 293398 | 50000.0 | 50300(AM) |
| 7 1-Propanol | 1.673 | 1.667 | 0.006 | 244933 | 50000.0 | 47500(M) |
| 9 Isobutanol | 1.953 | 1.950 | 0.003 | 230951 | 50000.0 | 50300(AM) |
| 10 n-Butanol(1-Butanol) | 2.223 | 2.220 | 0.003 | 264193 | 50000.0 | 51200(AM) |
| 8 2-Butanol | 2.560 | 2.557 | 0.003 | 254001 | 50000.0 | 52200(AM) |
| $ 11 1-Pentanol (sur) | 3.567 | 3.570 | -0.003 | 254934 | 50000.0 | 51100(AM) |

QC Flag Legend

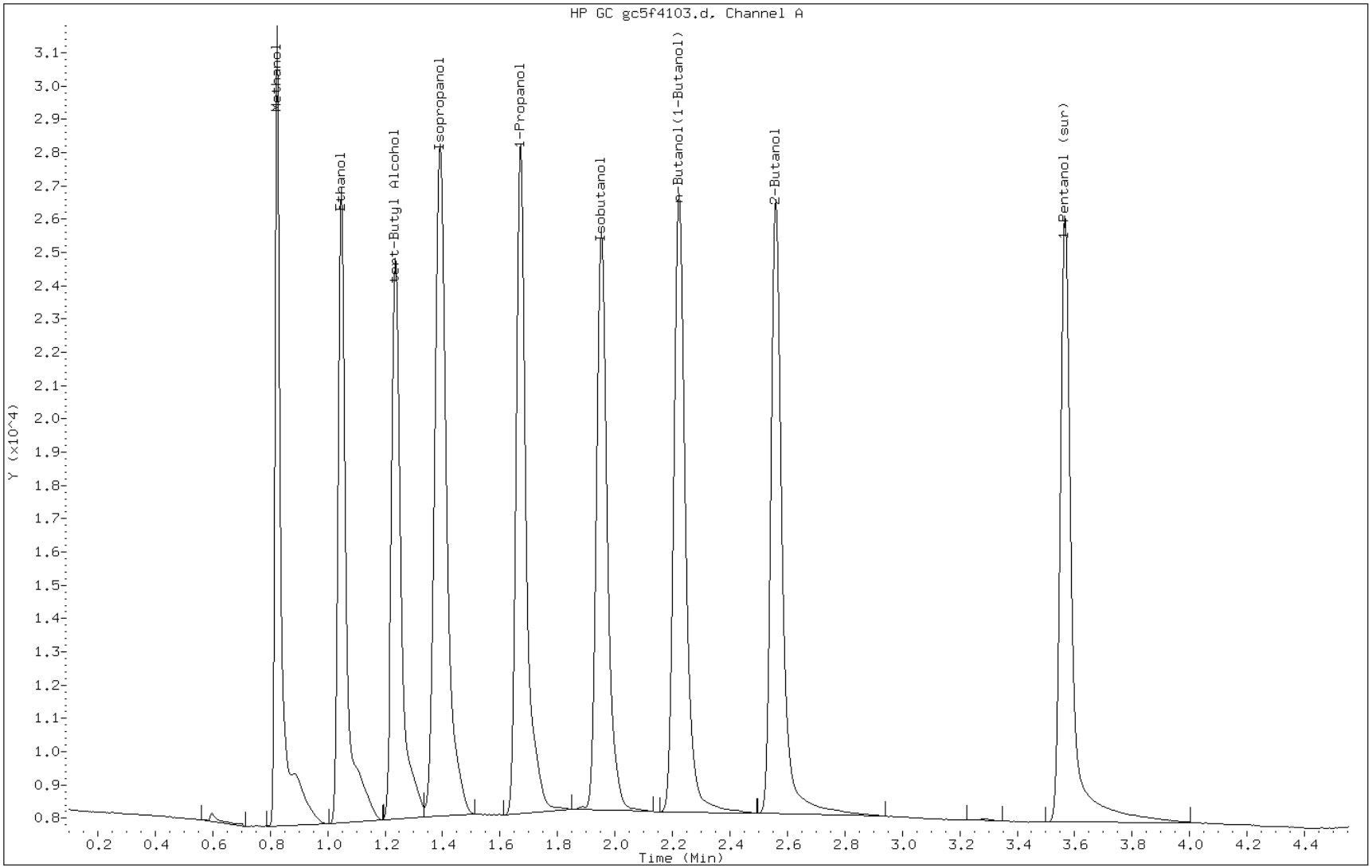
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: gc5f4103.d

Date: 21-SEP-2009 08:30

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL5_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.67

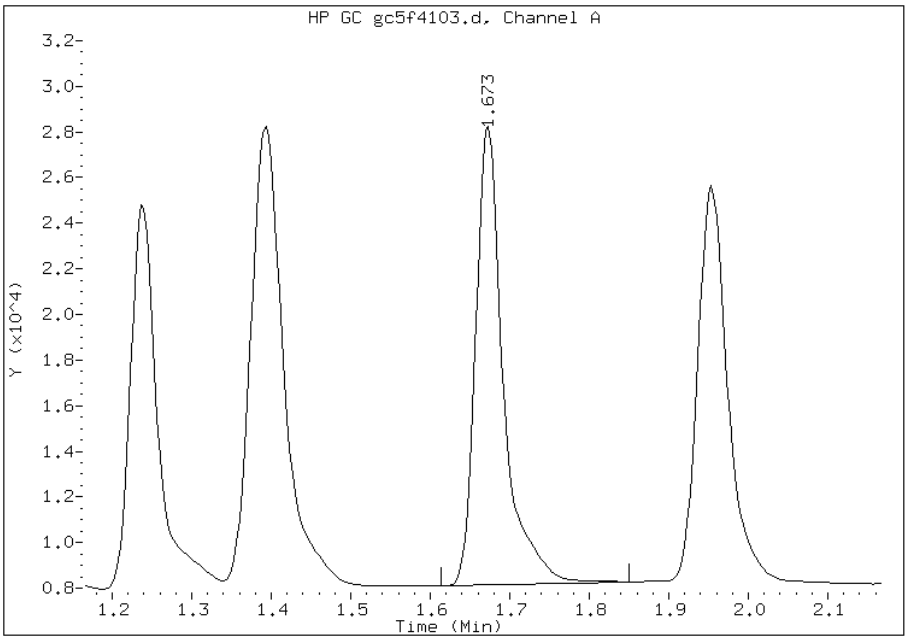
## Manual Integration Results

RT: 1.67

Response: 244933

Amount: 47535.01

Conc: 47535.01




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.22

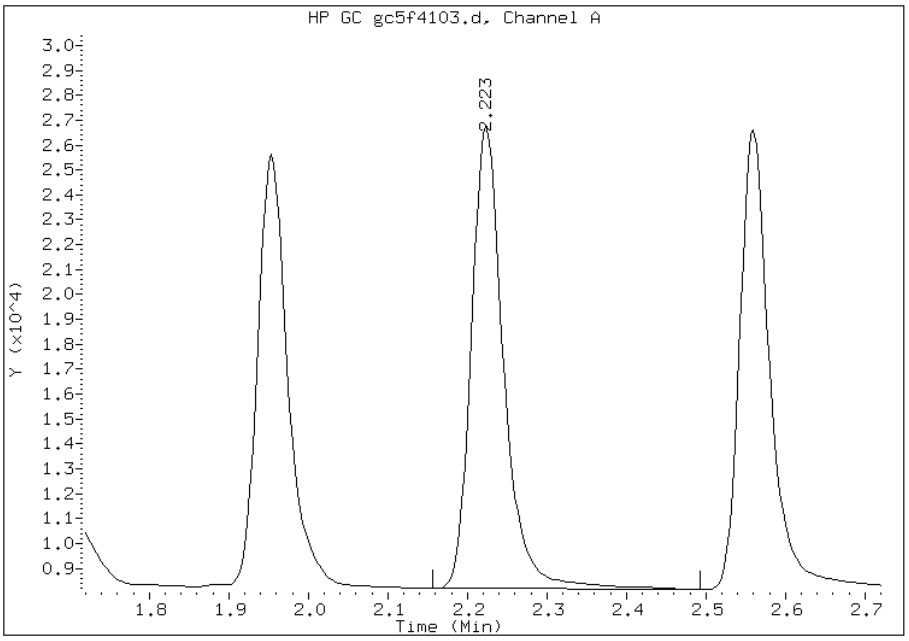
## Manual Integration Results

RT: 2.22

Response: 264193

Amount: 51237.73

Conc: 51237.73




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.23

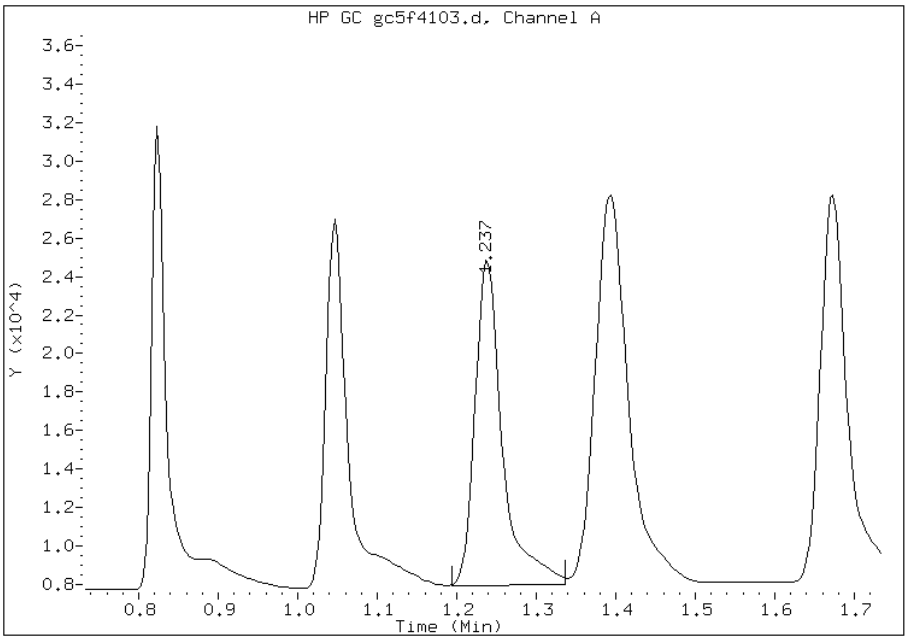
## Manual Integration Results

RT: 1.24

Response: 202395

Amount: 50569.50

Conc: 50569.50




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

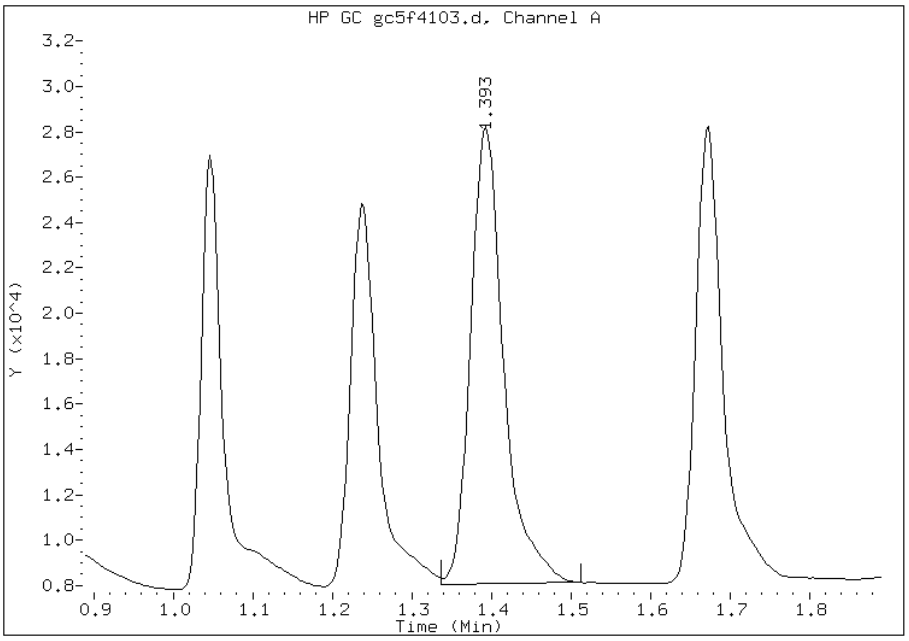
## Manual Integration Results

RT: 1.39

Response: 293398

Amount: 50289.56

Conc: 50289.56




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/21/2009

Processing Integration Results

Not Detected

Expected RT: 1.04

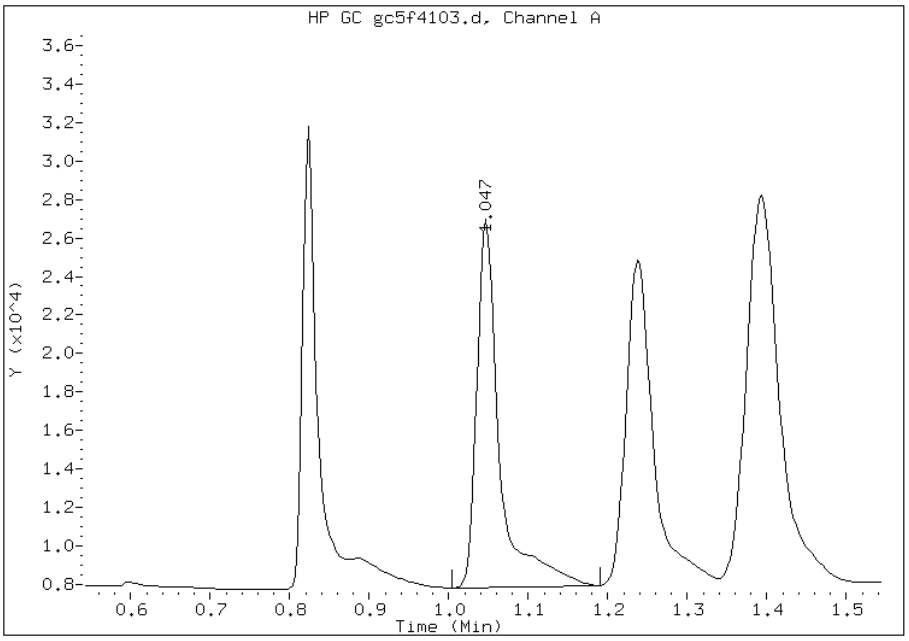
Manual Integration Results

RT: 1.05

Response: 190050

Amount: 50249.95

Conc: 50249.95




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.57

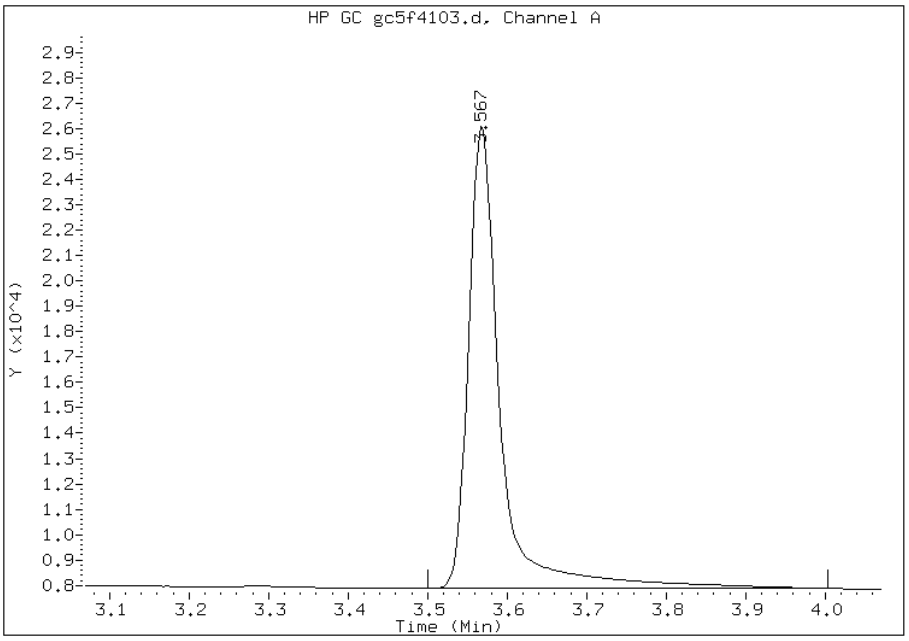
## Manual Integration Results

RT: 3.57

Response: 254934

Amount: 51120.39

Conc: 51120.39




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.56

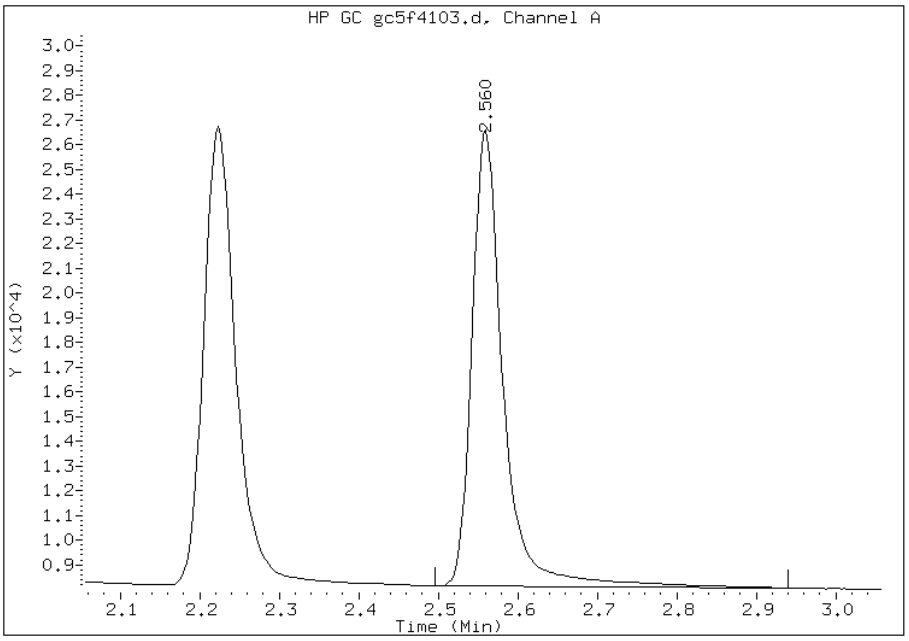
## Manual Integration Results

RT: 2.56

Response: 254001

Amount: 52232.99

Conc: 52232.99




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.95

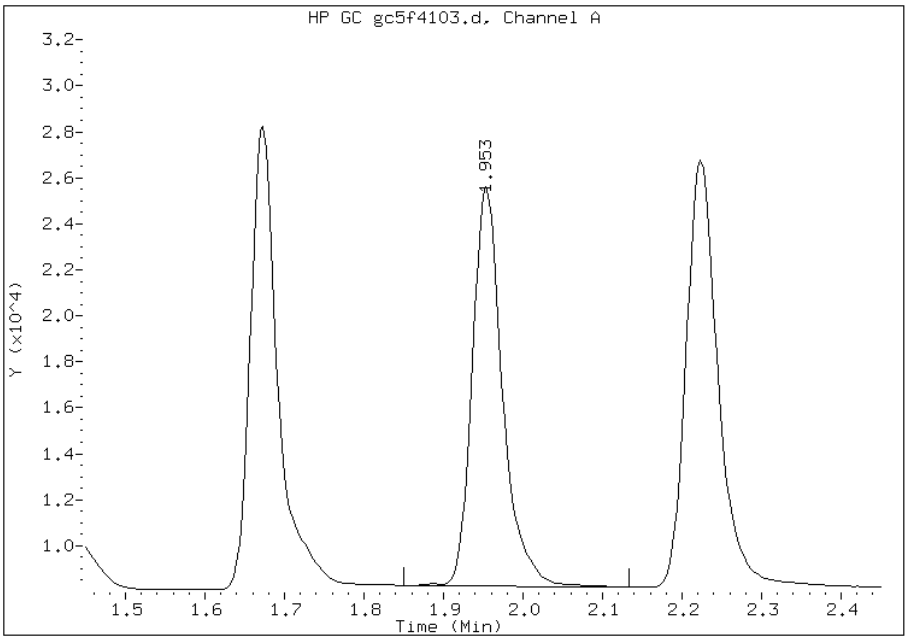
## Manual Integration Results

RT: 1.95

Response: 230951

Amount: 50318.53

Conc: 50318.53




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4103.d
Inj. Date and Time: 21-SEP-2009 08:30
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 0.82

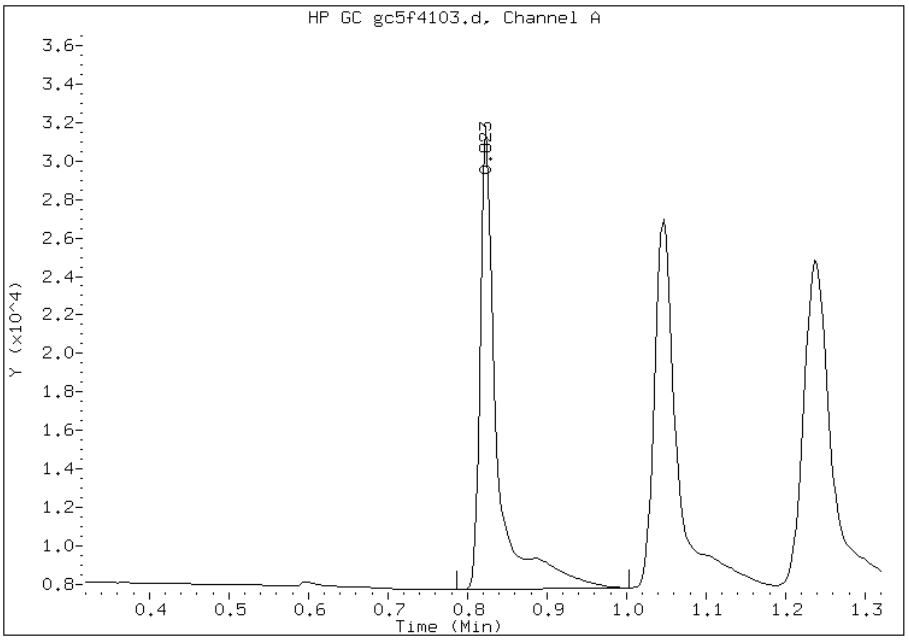
## Manual Integration Results

RT: 0.82

Response: 178239

Amount: 49977.19

Conc: 49977.19




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4104.d
Report Date: 21-Sep-2009 09:57

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/gc5f4104.d
Lab Smp Id: SGALCL4_00002
Inj Date : 21-SEP-2009 08:37
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL4_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/alcohols2008.m
Meth Date : 21-Sep-2009 09:57 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:37 Cal File: gc5f4104.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.820 | 0.820 | 0.000 | 85781 | 25000.0 | 24000(M) |
| 5 Ethanol | 1.043 | 1.043 | 0.000 | 89907 | 25000.0 | 23800(M) |
| 4 tert-Butyl Alcohol | 1.237 | 1.233 | 0.004 | 94731 | 25000.0 | 23700(M) |
| 6 Isopropanol | 1.390 | 1.390 | 0.000 | 142469 | 25000.0 | 24400(M) |
| 7 1-Propanol | 1.670 | 1.667 | 0.003 | 124735 | 25000.0 | 24200(M) |
| 9 Isobutanol | 1.950 | 1.950 | 0.000 | 113978 | 25000.0 | 24800(M) |
| 10 n-Butanol(1-Butanol) | 2.220 | 2.220 | 0.000 | 130095 | 25000.0 | 25200(M) |
| 8 2-Butanol | 2.557 | 2.557 | 0.000 | 124633 | 25000.0 | 25600(M) |
| $ 11 1-Pentanol (sur) | 3.563 | 3.570 | -0.007 | 130298 | 25000.0 | 26100 |

QC Flag Legend

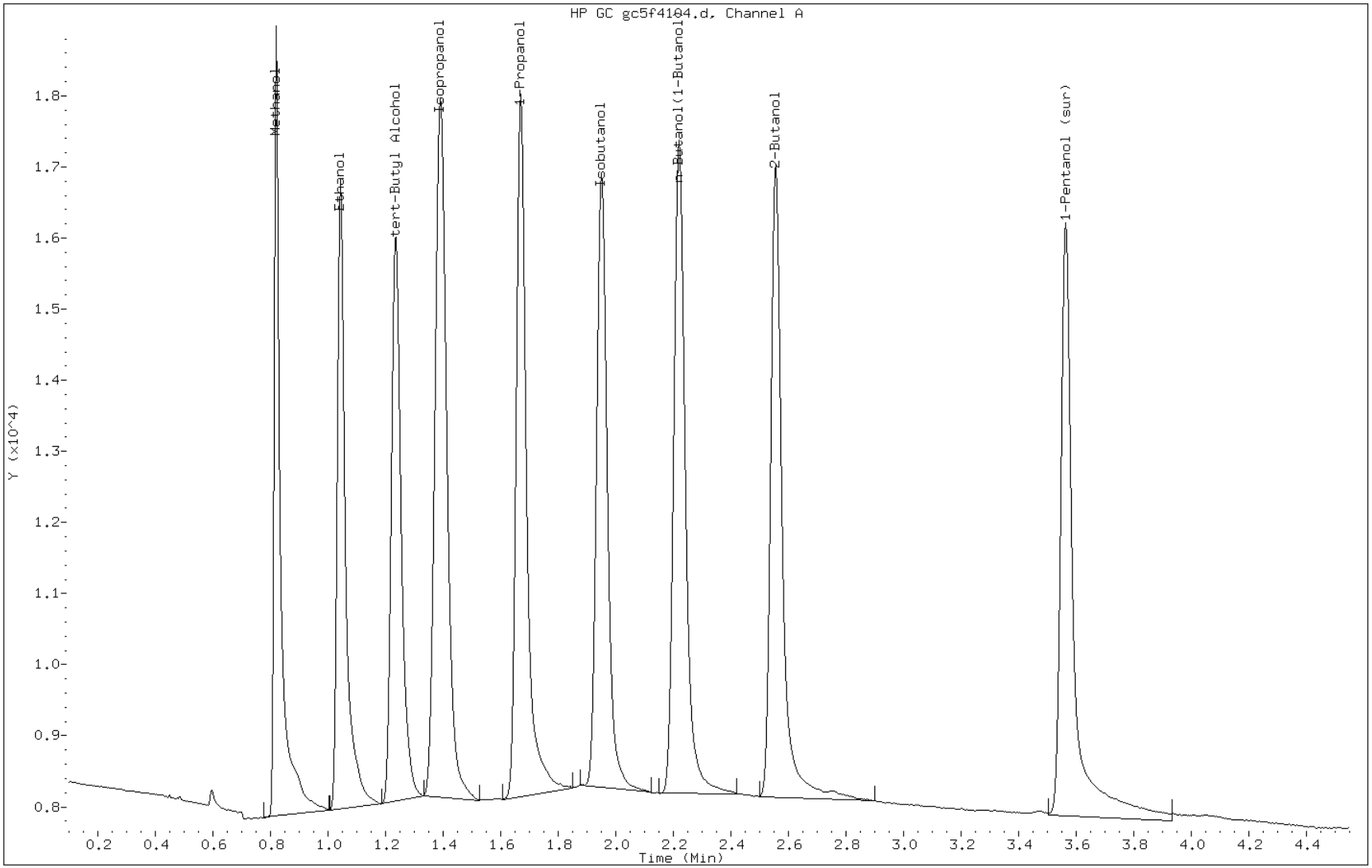
M - Compound response manually integrated.

Data File: gc5f4104.d

Date: 21-SEP-2009 08:37

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL4_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.95

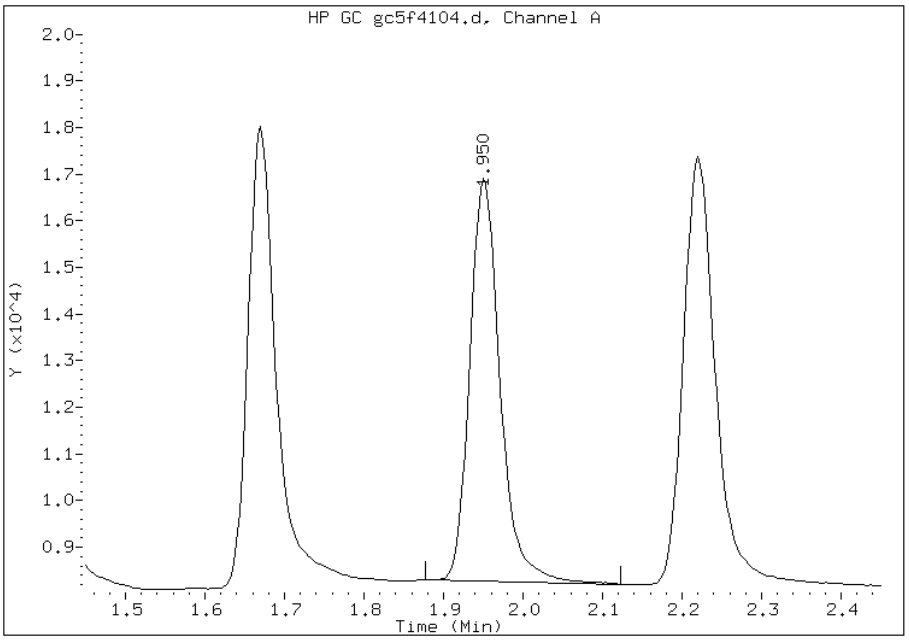
## Manual Integration Results

RT: 1.95

Response: 113978

Amount: 24833.00

Conc: 24833.00




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.22

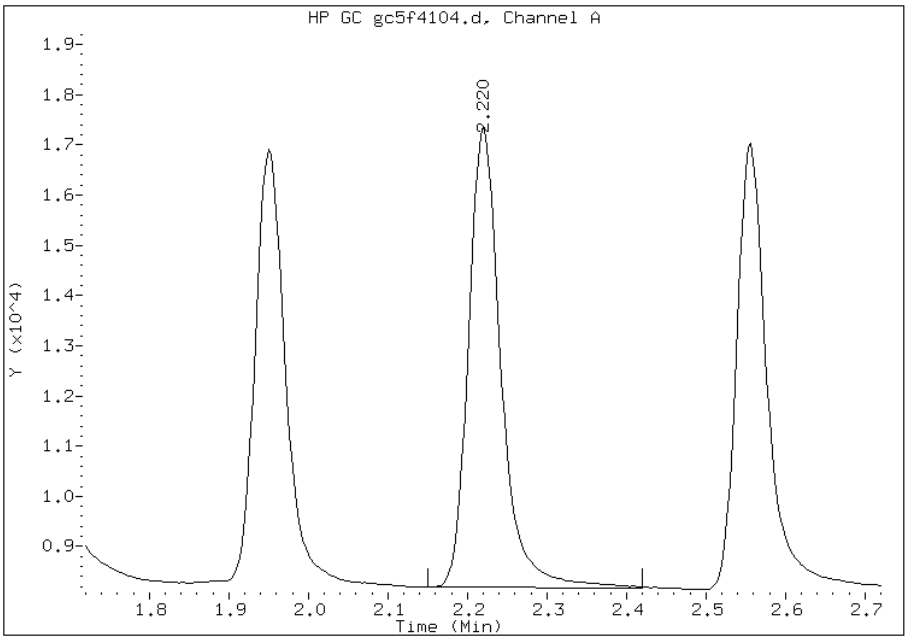
## Manual Integration Results

RT: 2.22

Response: 130095

Amount: 25230.69

Conc: 25230.69




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

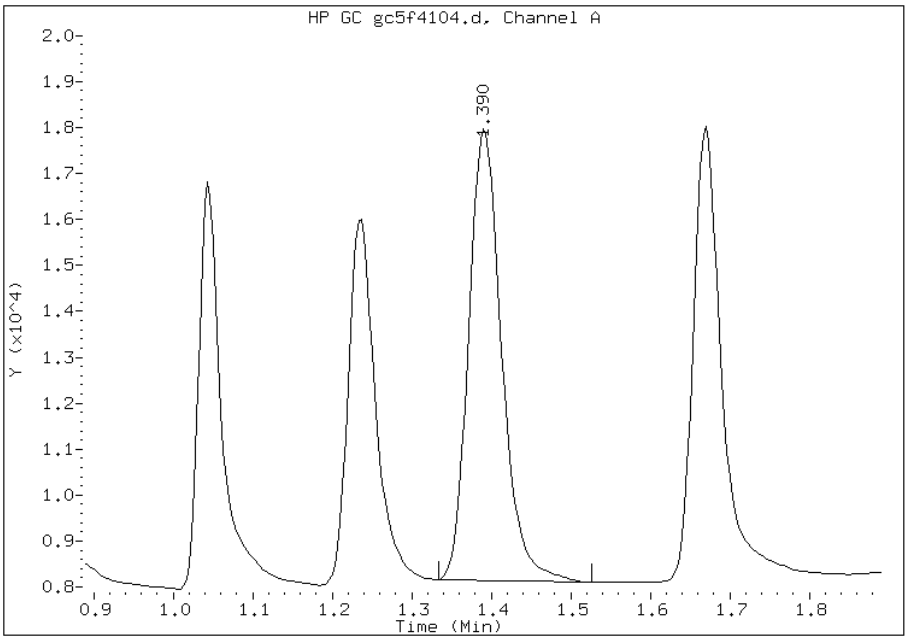
## Manual Integration Results

RT: 1.39

Response: 142469

Amount: 24419.74

Conc: 24419.74




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 0.82

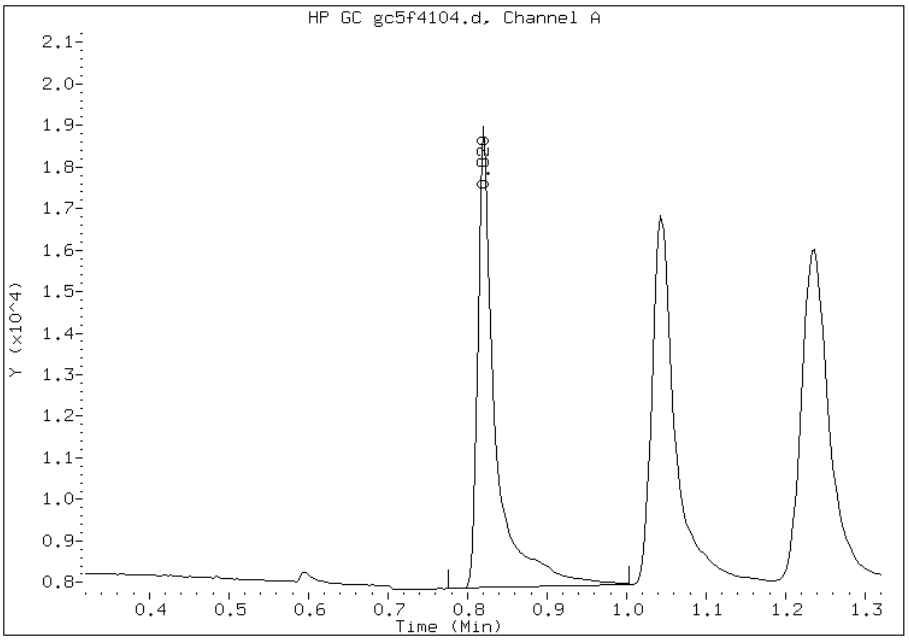
## Manual Integration Results

RT: 0.82

Response: 85781

Amount: 24052.50

Conc: 24052.50




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.67

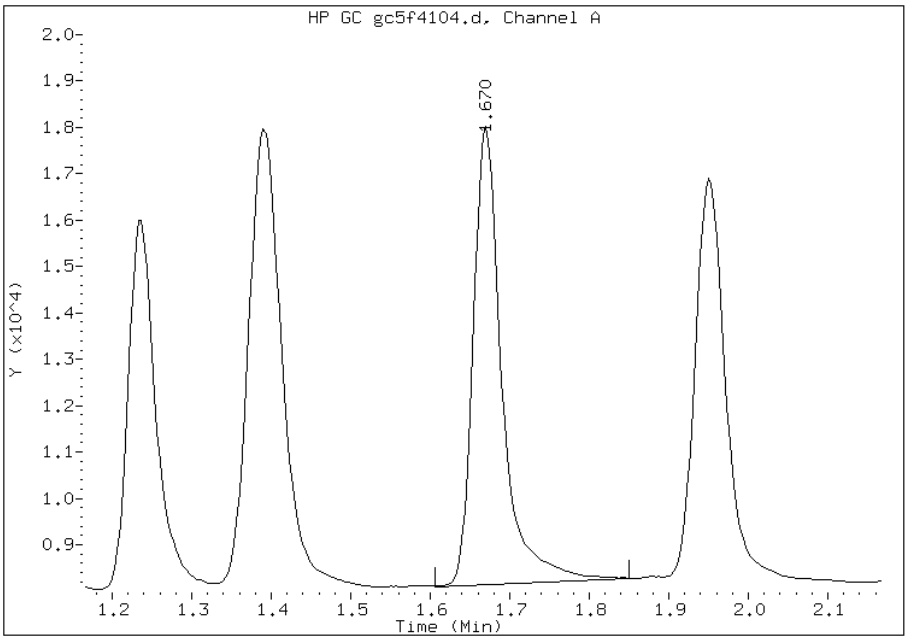
## Manual Integration Results

RT: 1.67

Response: 124735

Amount: 24207.76

Conc: 24207.76




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.04

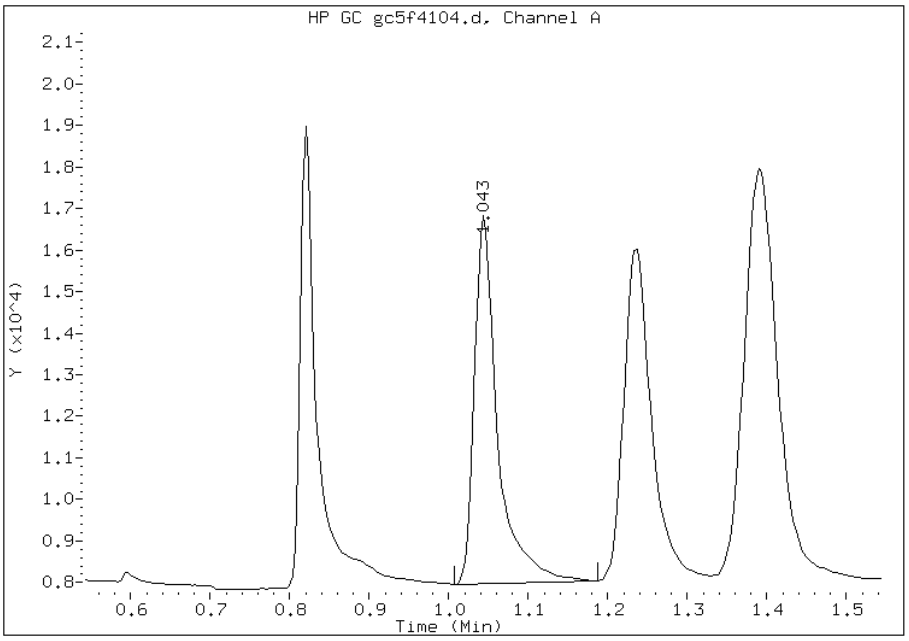
## Manual Integration Results

RT: 1.04

Response: 89907

Amount: 23771.76

Conc: 23771.76




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.23

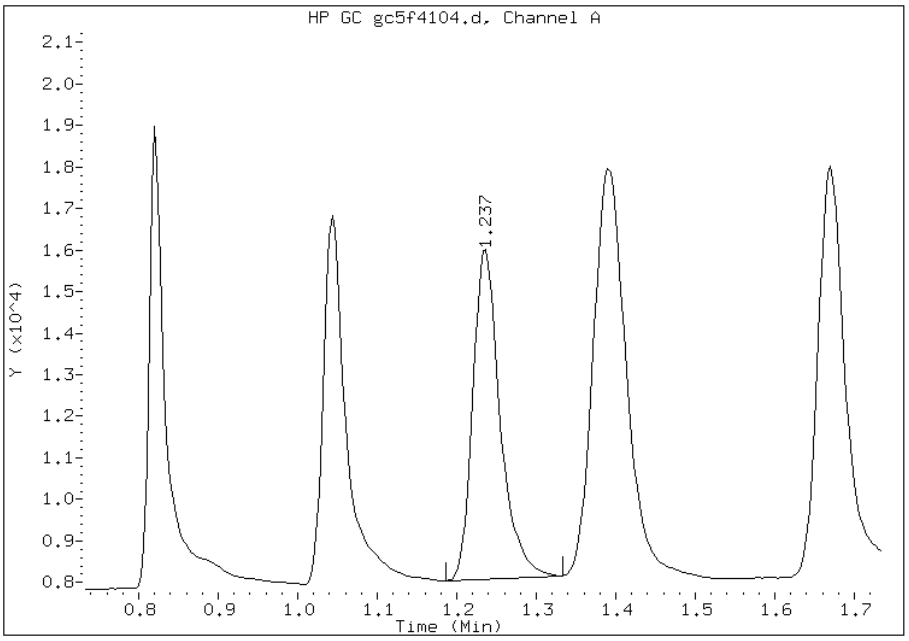
## Manual Integration Results

RT: 1.24

Response: 94731

Amount: 23669.06

Conc: 23669.06




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4104.d
Inj. Date and Time: 21-SEP-2009 08:37
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.56

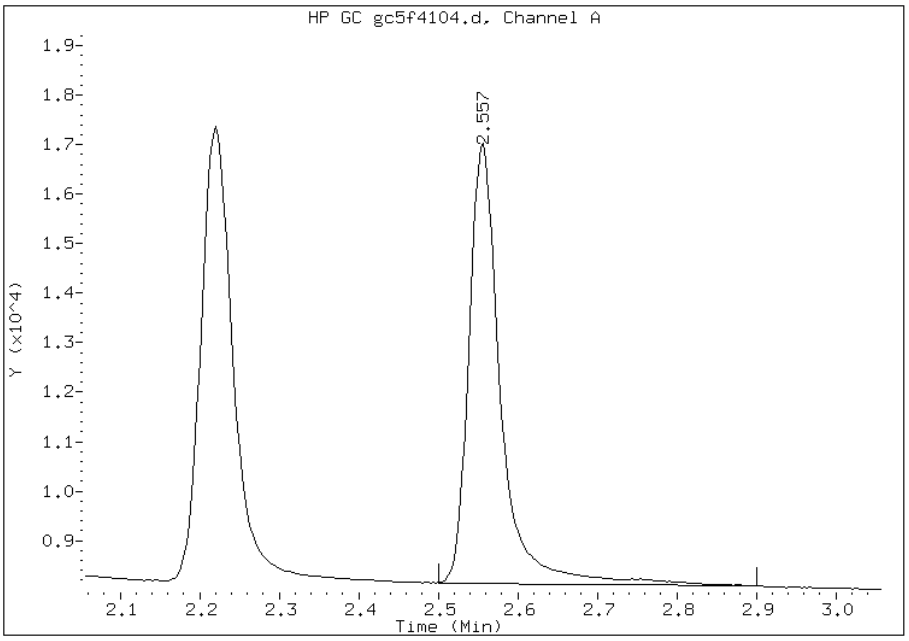
## Manual Integration Results

RT: 2.56

Response: 124633

Amount: 25629.64

Conc: 25629.64




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4105.d
Report Date: 21-Sep-2009 09:57

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/gc5f4105.d
Lab Smp Id: SGALCL3_00002
Inj Date  : 21-SEP-2009 08:43
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/alcohols2008.m
Meth Date : 21-Sep-2009 09:57 patelhe Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:43 Cal File: gc5f4105.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.820 | 0.820 | 0.000 | 18516 | 5000.00 | 5190(M) |
| 5 Ethanol | 1.043 | 1.043 | 0.000 | 19745 | 5000.00 | 5220(M) |
| 4 tert-Butyl Alcohol | 1.233 | 1.233 | 0.000 | 20849 | 5000.00 | 5210(M) |
| 6 Isopropanol | 1.390 | 1.390 | 0.000 | 29679 | 5000.00 | 5090(M) |
| 7 1-Propanol | 1.667 | 1.667 | 0.000 | 27850 | 5000.00 | 5400(M) |
| 9 Isobutanol | 1.950 | 1.950 | 0.000 | 22956 | 5000.00 | 5000(M) |
| 10 n-Butanol(1-Butanol) | 2.220 | 2.220 | 0.000 | 24905 | 5000.00 | 4830(M) |
| 8 2-Butanol | 2.557 | 2.557 | 0.000 | 22616 | 5000.00 | 4650(M) |
| $ 11 1-Pentanol (sur) | 3.570 | 3.570 | 0.000 | 23251 | 5000.00 | 4660(M) |

QC Flag Legend

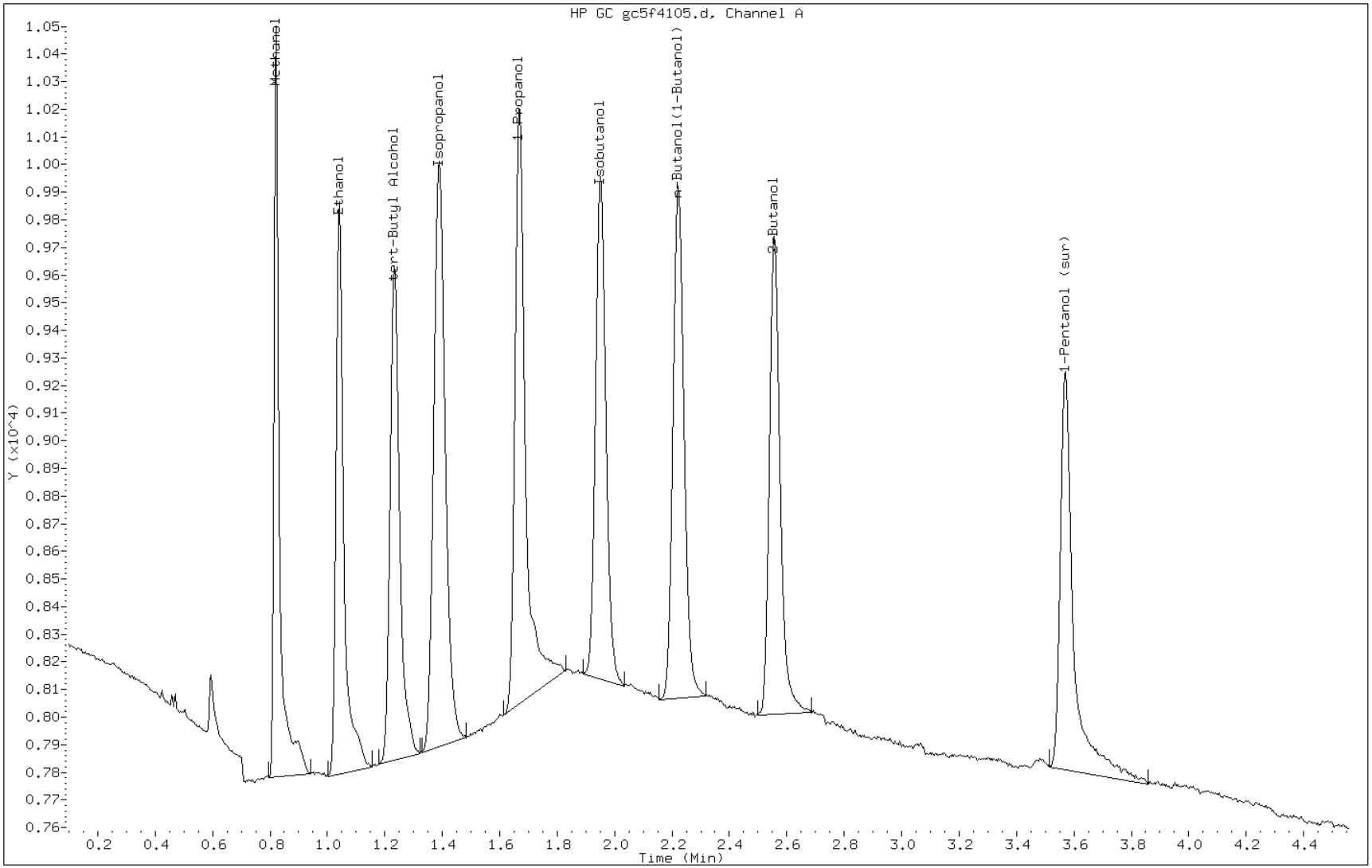
M - Compound response manually integrated.

Data File: gc5f4105.d

Date: 21-SEP-2009 08:43

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.04

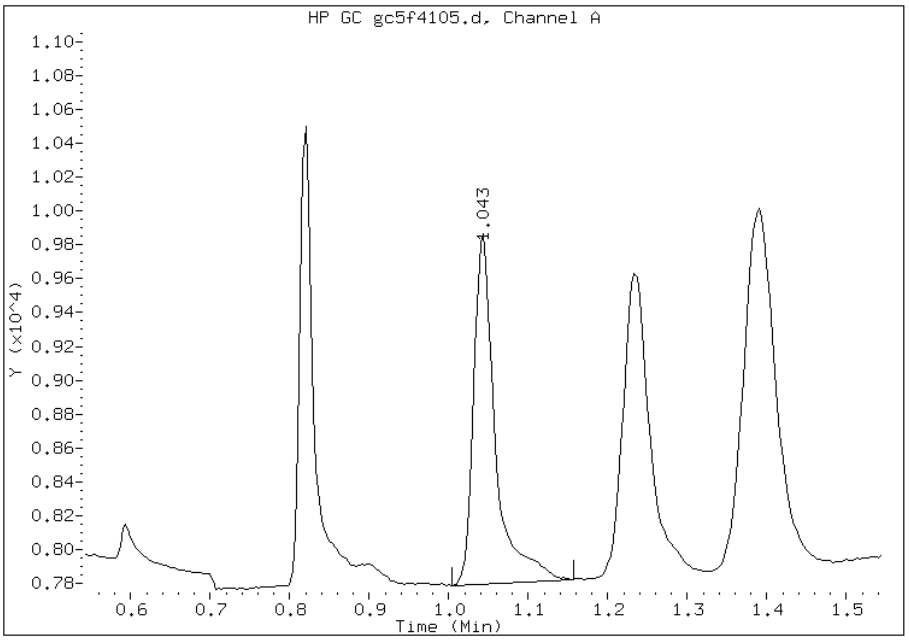
## Manual Integration Results

RT: 1.04

Response: 19745

Amount: 5220.65

Conc: 5220.65




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 0.82

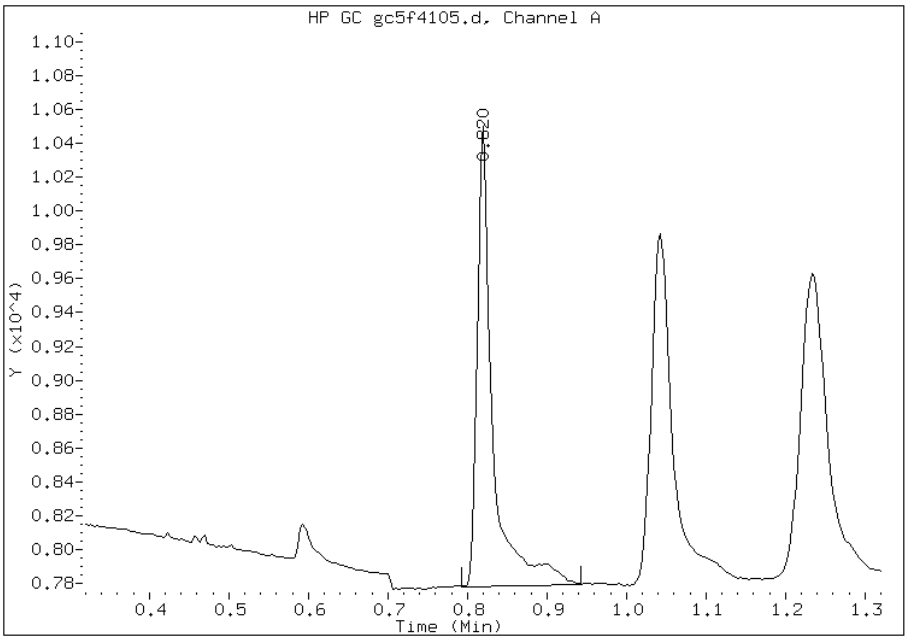
## Manual Integration Results

RT: 0.82

Response: 18516

Amount: 5191.78

Conc: 5191.78




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.57

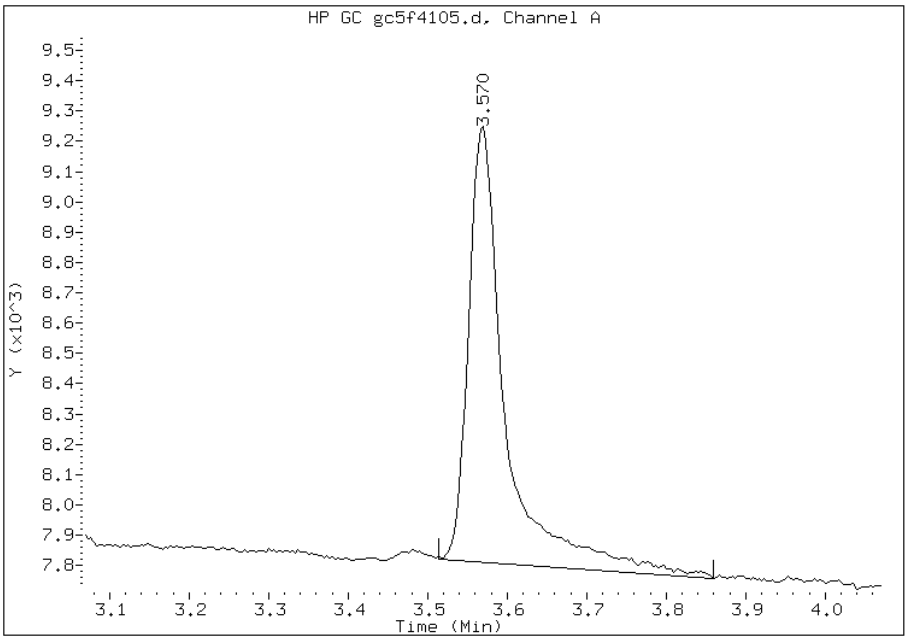
## Manual Integration Results

RT: 3.57

Response: 23251

Amount: 4662.38

Conc: 4662.38




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.22

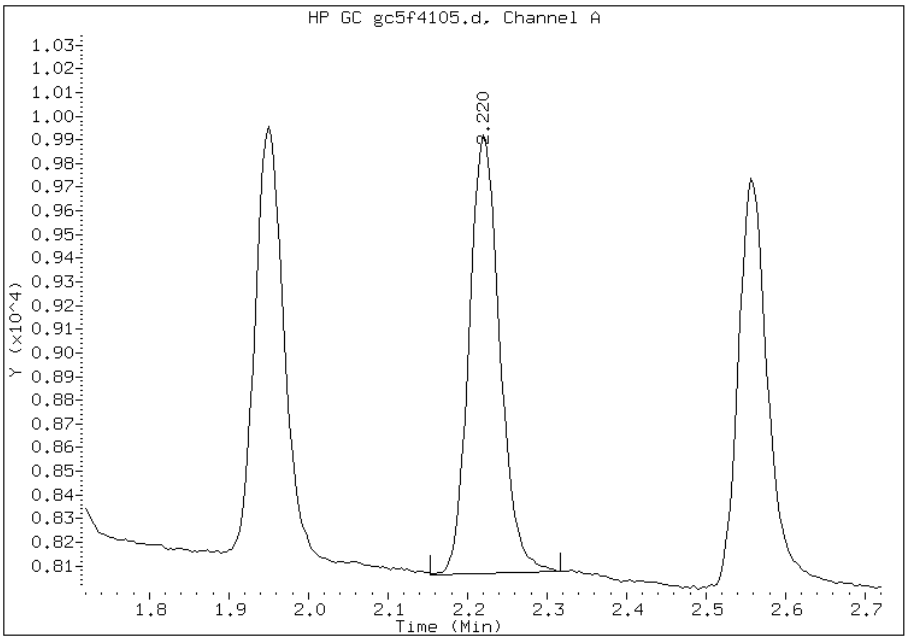
## Manual Integration Results

RT: 2.22

Response: 24905

Amount: 4830.09

Conc: 4830.09




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.67

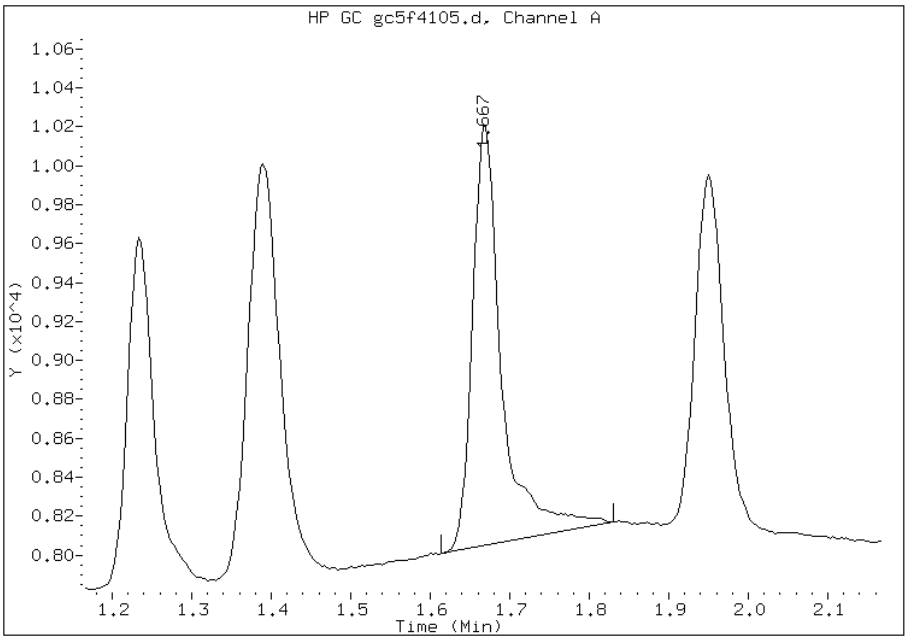
## Manual Integration Results

RT: 1.67

Response: 27850

Amount: 5404.95

Conc: 5404.95




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.39

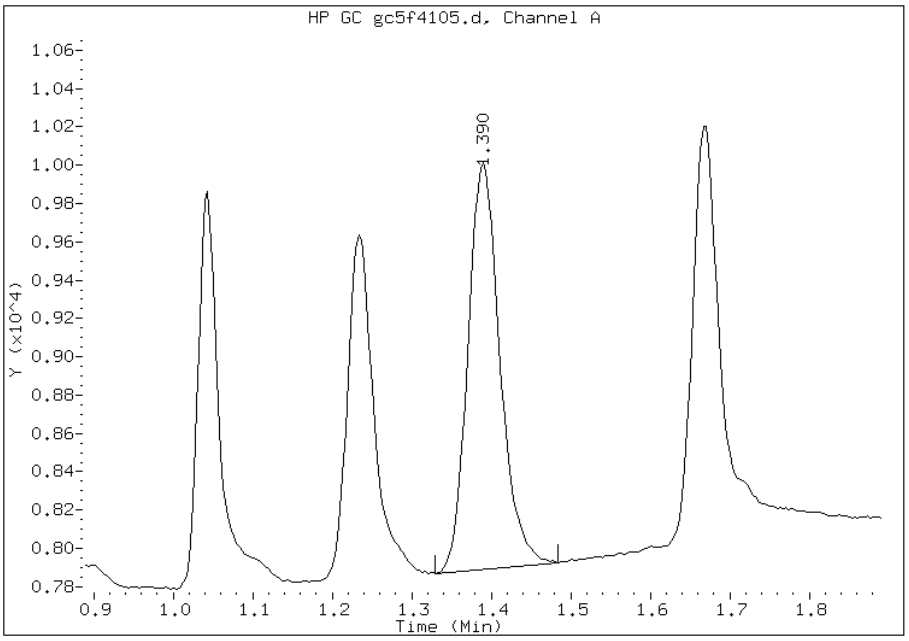
## Manual Integration Results

RT: 1.39

Response: 29679

Amount: 5087.10

Conc: 5087.10




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.56

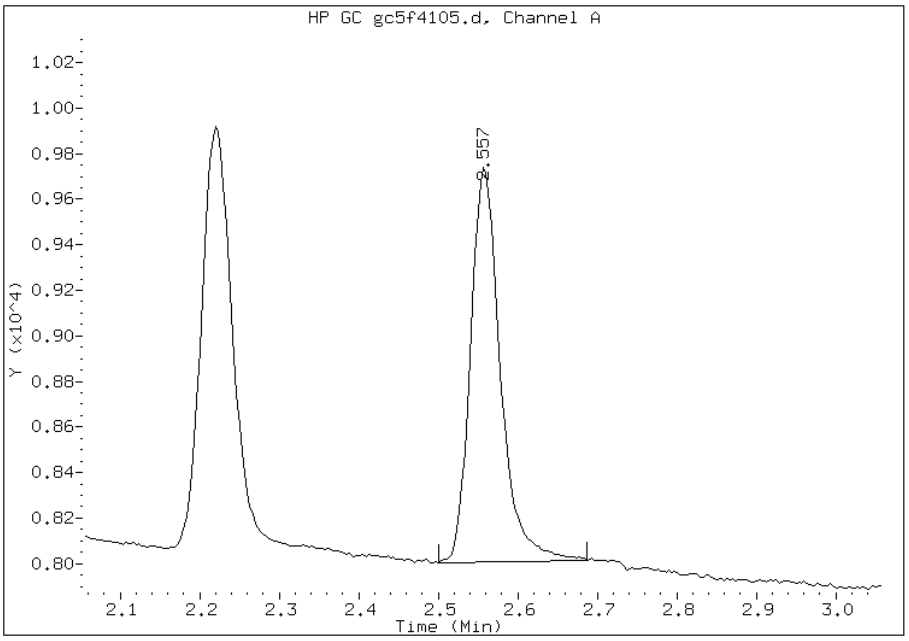
## Manual Integration Results

RT: 2.56

Response: 22616

Amount: 4650.77

Conc: 4650.77




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.95

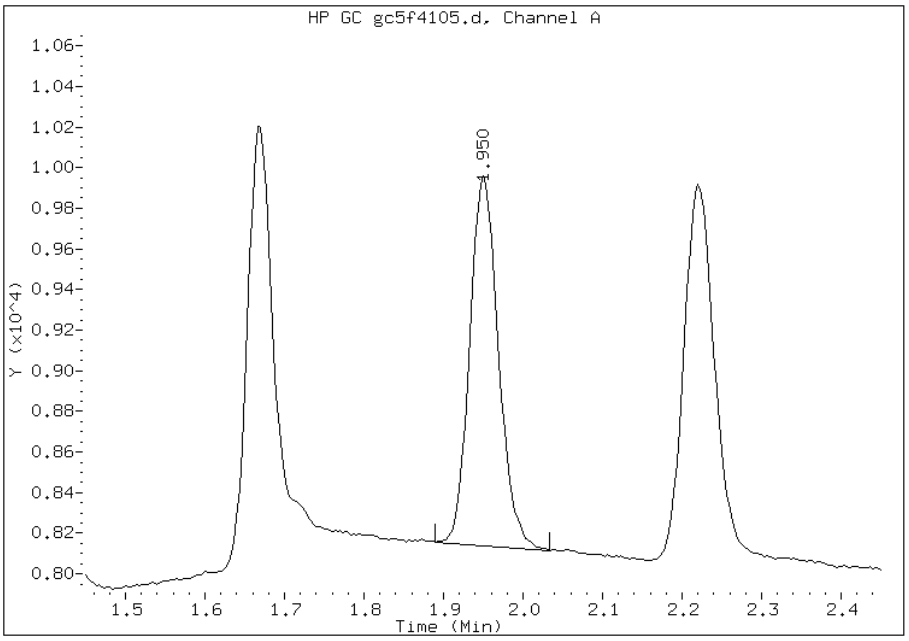
## Manual Integration Results

RT: 1.95

Response: 22956

Amount: 5001.55

Conc: 5001.55




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4105.d
Inj. Date and Time: 21-SEP-2009 08:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.23

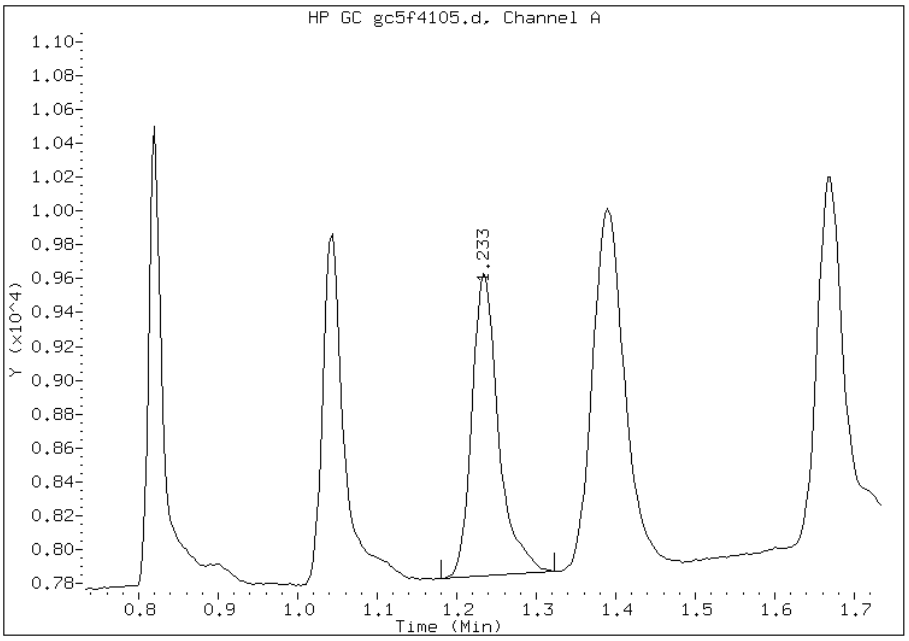
## Manual Integration Results

RT: 1.23

Response: 20849

Amount: 5209.24

Conc: 5209.24




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4106.d
Report Date: 21-Sep-2009 10:02

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/gc5f4106.d
Lab Smp Id: SGALCL2_00002
Inj Date : 21-SEP-2009 08:49
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL2_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/alcohols2008.m
Meth Date : 21-Sep-2009 10:02 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:49 Cal File: gc5f4106.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.829 | 0.820 | 0.009 | 7905 | 2000.00 | 2160 |
| 5 Ethanol | 1.053 | 1.043 | 0.010 | 8324 | 2000.00 | 2150 |
| 4 tert-Butyl Alcohol | 1.245 | 1.233 | 0.012 | 8783 | 2000.00 | 2140 |
| 6 Isopropanol | 1.401 | 1.390 | 0.011 | 12012 | 2000.00 | 2040 |
| 7 1-Propanol | 1.680 | 1.667 | 0.013 | 9946 | 2000.00 | 1950(M) |
| 9 Isobutanol | 1.963 | 1.950 | 0.013 | 9565 | 2000.00 | 2060 |
| 10 n-Butanol(1-Butanol) | 2.232 | 2.220 | 0.012 | 9771 | 2000.00 | 1920 |
| 8 2-Butanol | 2.570 | 2.557 | 0.013 | 9316 | 2000.00 | 1940(M) |
| $ 11 1-Pentanol (sur) | 3.580 | 3.570 | 0.010 | 9402 | 2000.00 | 1910(M) |

QC Flag Legend

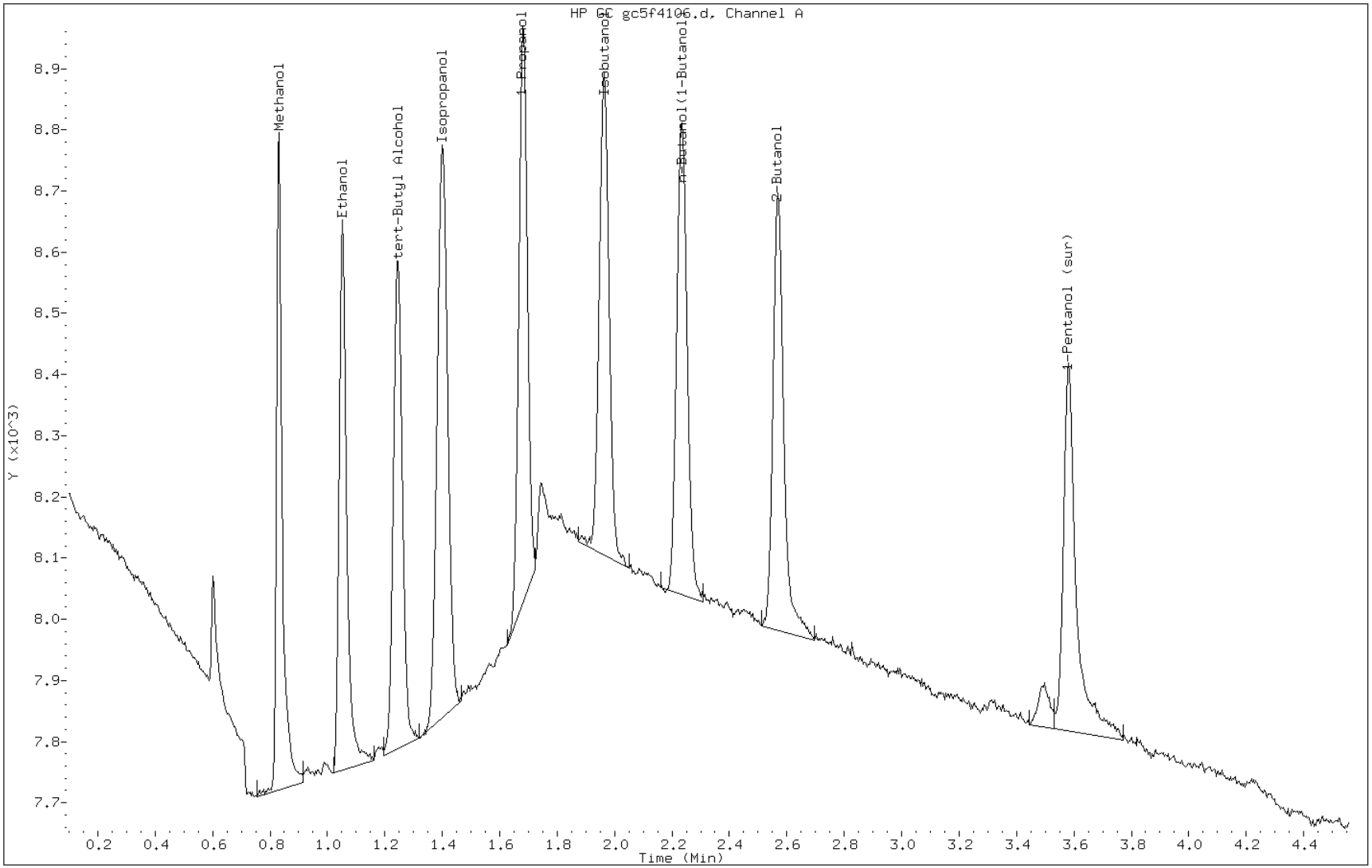
M - Compound response manually integrated.

Data File: gc5f4106.d

Date: 21-SEP-2009 08:49

Client ID: Instrument: BNAGC5.i

Sample Info: SGALCL2_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4106.d
Inj. Date and Time: 21-SEP-2009 08:49
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.67

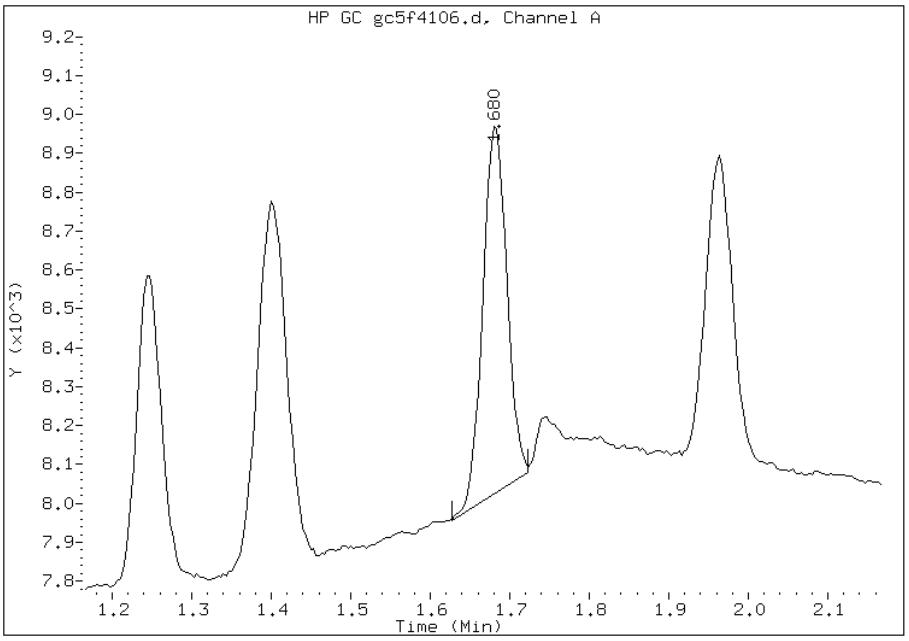
## Manual Integration Results

RT: 1.68

Response: 9946

Amount: 1947.23

Conc: 1947.23




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4106.d
Inj. Date and Time: 21-SEP-2009 08:49
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.57

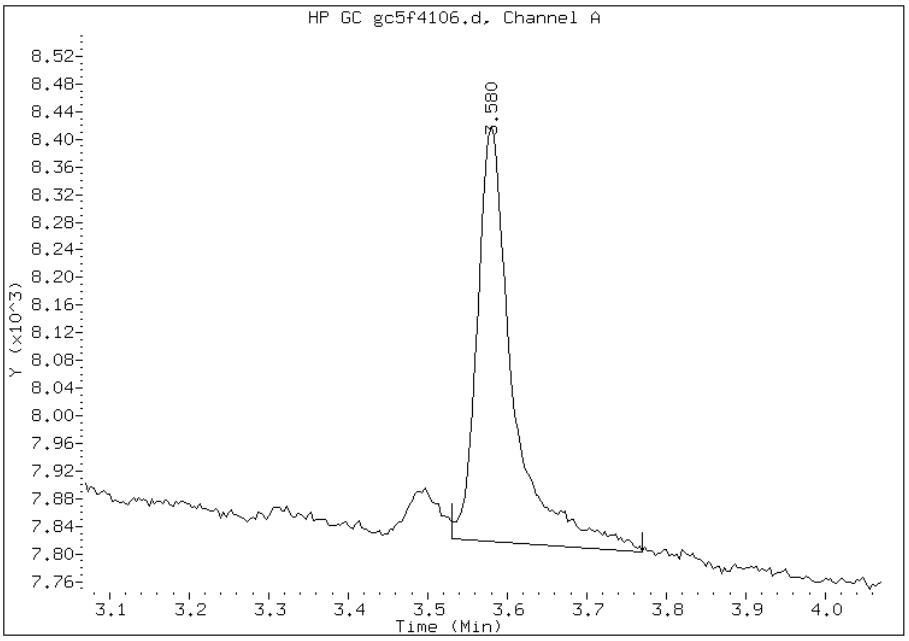
## Manual Integration Results

RT: 3.58

Response: 9402

Amount: 1912.74

Conc: 1912.74




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4106.d
Inj. Date and Time: 21-SEP-2009 08:49
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.56

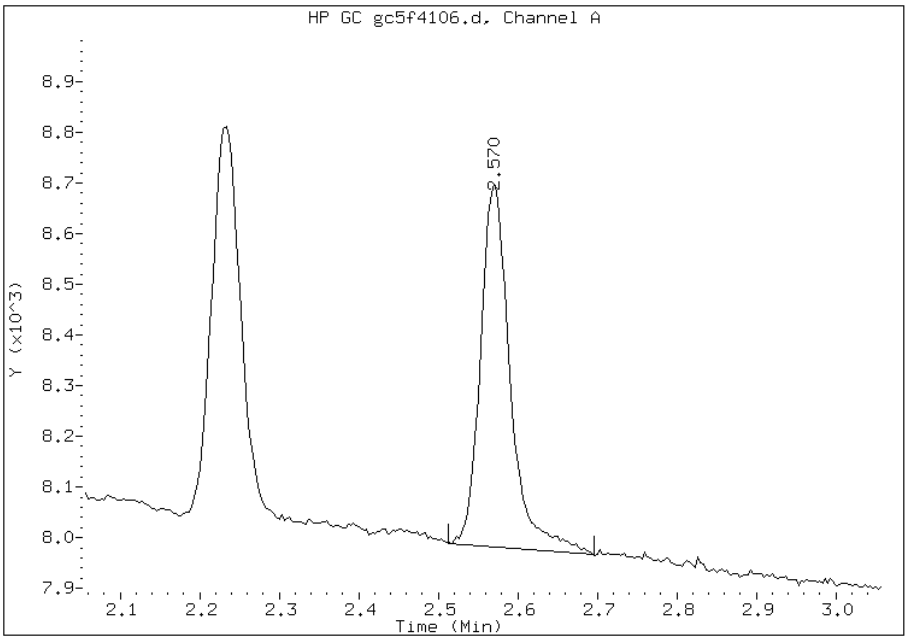
## Manual Integration Results

RT: 2.57

Response: 9316

Amount: 1936.14

Conc: 1936.14




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Data File: gc5f4107.d
Report Date: 21-Sep-2009 10:08

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/gc5f4107.d
Lab Smp Id: SGALCL1_00002
Inj Date : 21-SEP-2009 08:55
Operator : 615 Inst ID: BNAGC5.i
Smp Info : SGALCL1_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098a.b/alcohols2008.m
Meth Date : 21-Sep-2009 10:08 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.827 | 0.820 | 0.007 | 2305 | 500.000 | 598(M) |
| 5 Ethanol | 1.050 | 1.043 | 0.007 | 2469 | 500.000 | 604(M) |
| 4 tert-Butyl Alcohol | 1.243 | 1.233 | 0.010 | 2814 | 500.000 | 639(M) |
| 6 Isopropanol | 1.397 | 1.390 | 0.007 | 3673 | 500.000 | 595(M) |
| 7 1-Propanol | 1.680 | 1.667 | 0.013 | 2619 | 500.000 | 510(M) |
| 9 Isobutanol | 1.960 | 1.950 | 0.010 | 2656 | 500.000 | 556 |
| 10 n-Butanol(1-Butanol) | 2.230 | 2.220 | 0.010 | 2843 | 500.000 | 546(M) |
| 8 2-Butanol | 2.567 | 2.557 | 0.010 | 2714 | 500.000 | 550(M) |
| $ 11 1-Pentanol (sur) | 3.577 | 3.570 | 0.007 | 2354 | 500.000 | 483(aM) |

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: gc5f4107.d

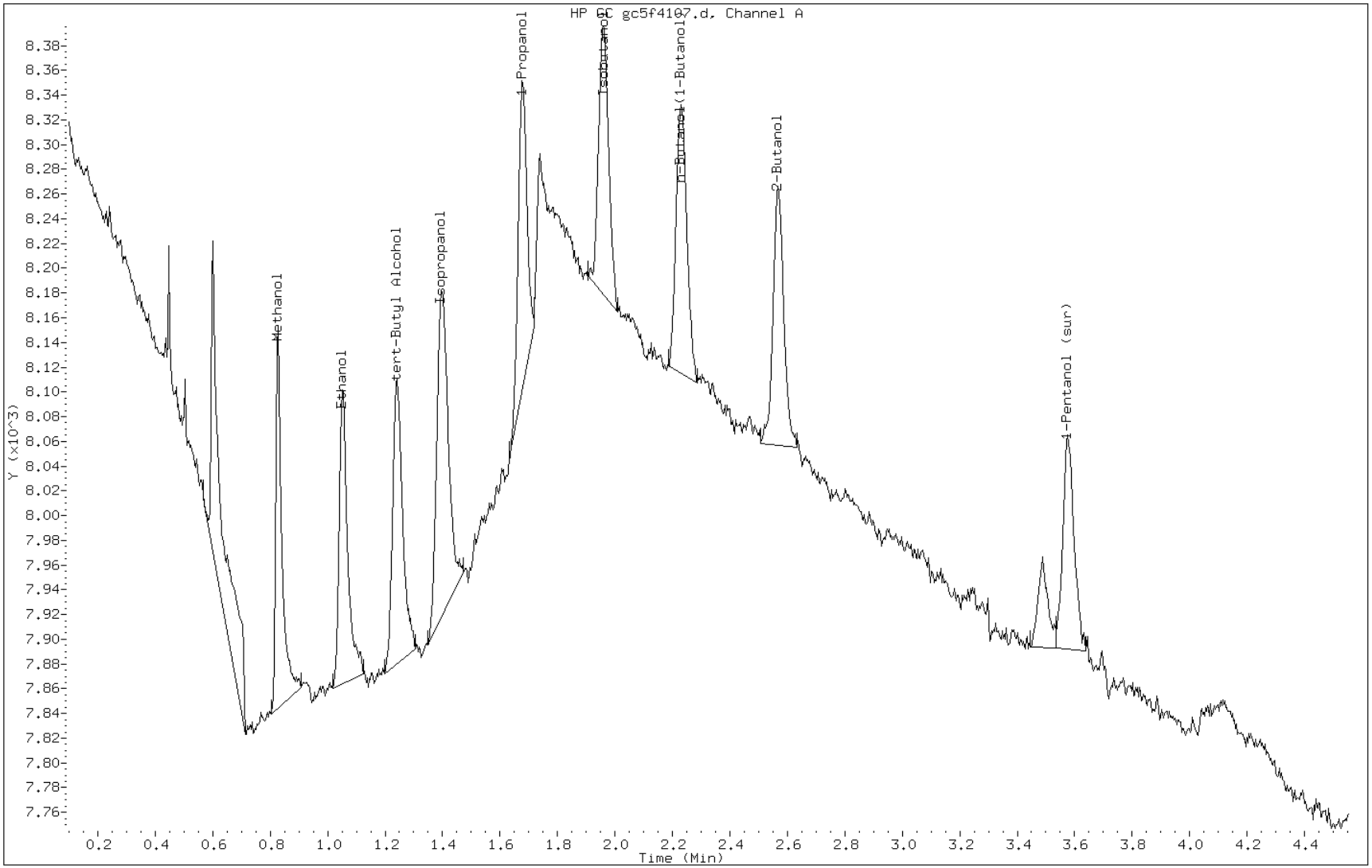
Date: 21-SEP-2009 08:55

Client ID:

Instrument: BNAGC5.i

Sample Info: SGALCL1_00002

Operator: 615



# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.57

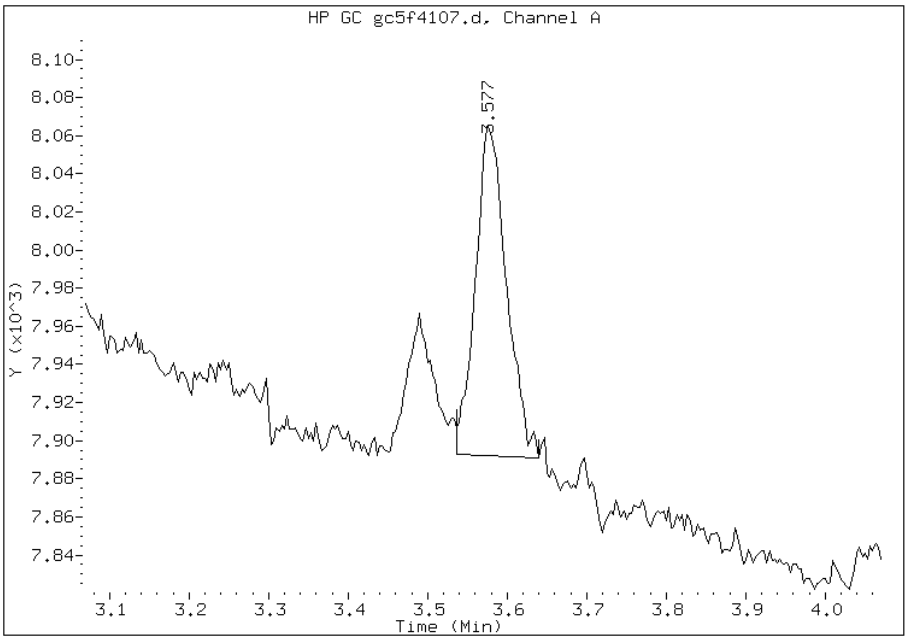
## Manual Integration Results

RT: 3.58

Response: 2354

Amount: 482.97

Conc: 482.97




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  10 n-Butanol(1-Butanol)
CAS #: 71-36-3
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.22

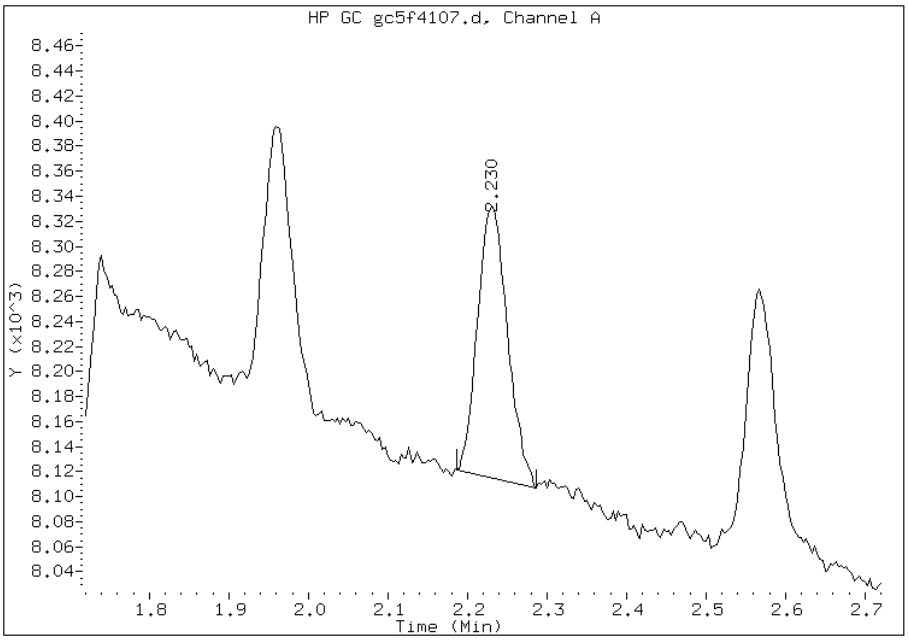
## Manual Integration Results

RT: 2.23

Response: 2843

Amount: 545.89

Conc: 545.89




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 0.82

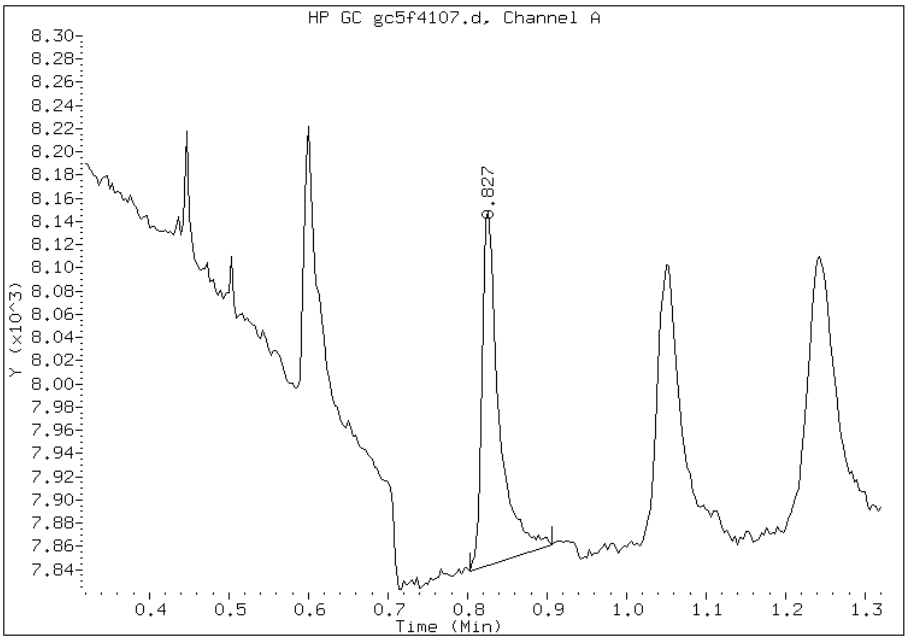
## Manual Integration Results

RT: 0.83

Response: 2305

Amount: 598.34

Conc: 598.34




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/21/2009

Processing Integration Results

Not Detected

Expected RT: 1.39

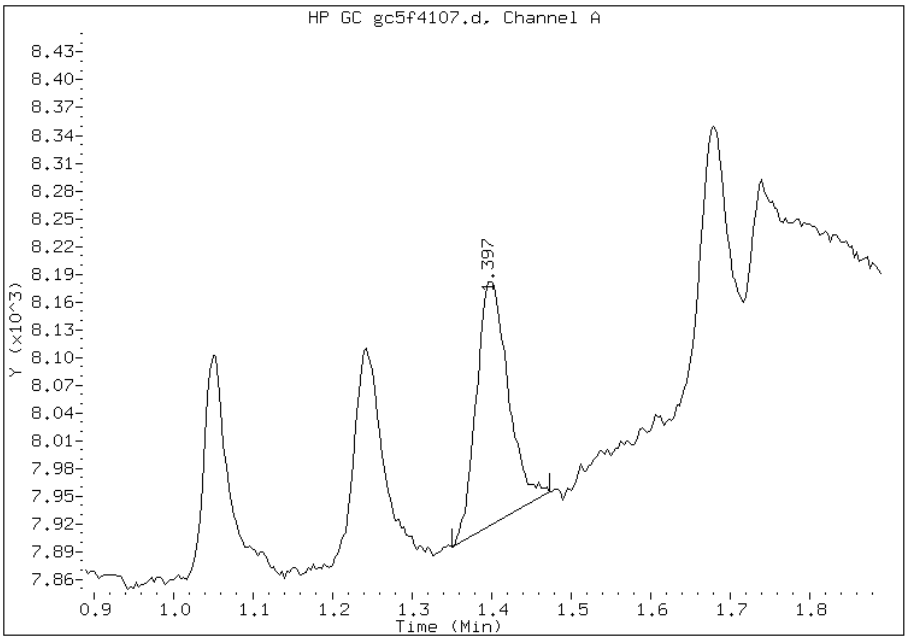
Manual Integration Results

RT: 1.40

Response: 3673

Amount: 595.21

Conc: 595.21




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  8 2-Butanol
CAS #: 78-92-2
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.56

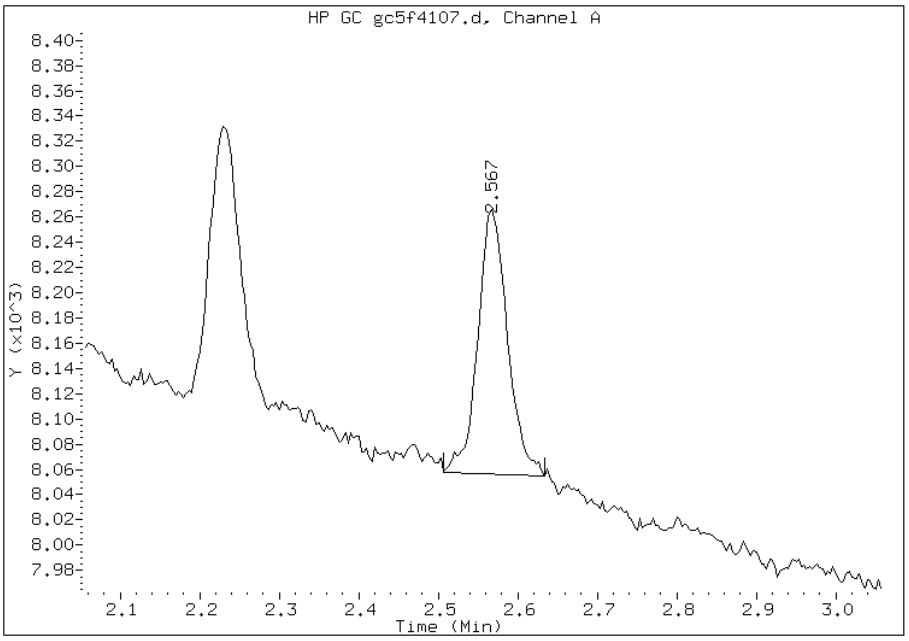
## Manual Integration Results

RT: 2.57

Response: 2714

Amount: 549.96

Conc: 549.96




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.67

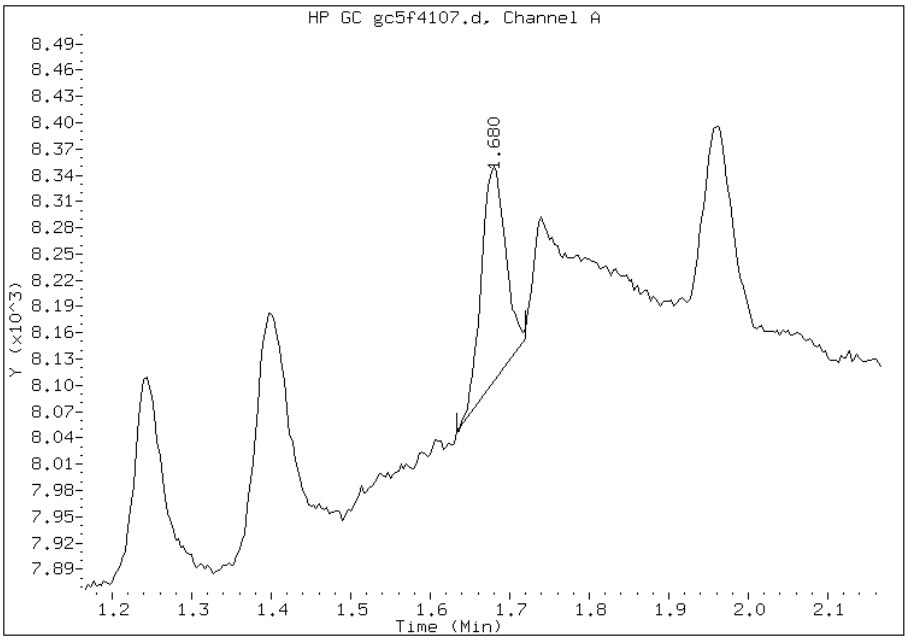
## Manual Integration Results

RT: 1.68

Response: 2619

Amount: 510.15

Conc: 510.15




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.04

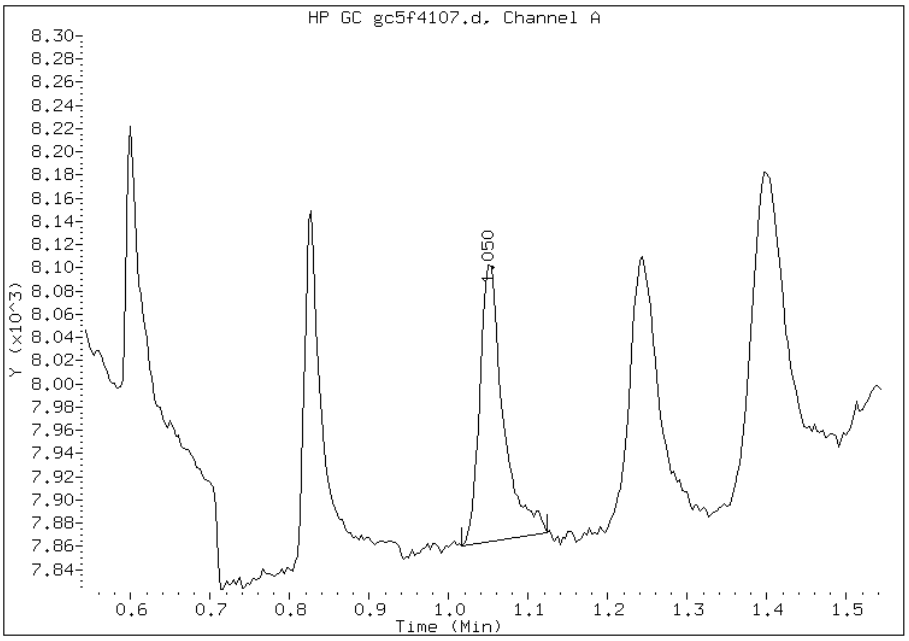
## Manual Integration Results

RT: 1.05

Response: 2469

Amount: 603.78

Conc: 603.78




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4107.d
Inj. Date and Time: 21-SEP-2009 08:55
Instrument ID: BNAGC5.i
Client ID:
Compound: 4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.23

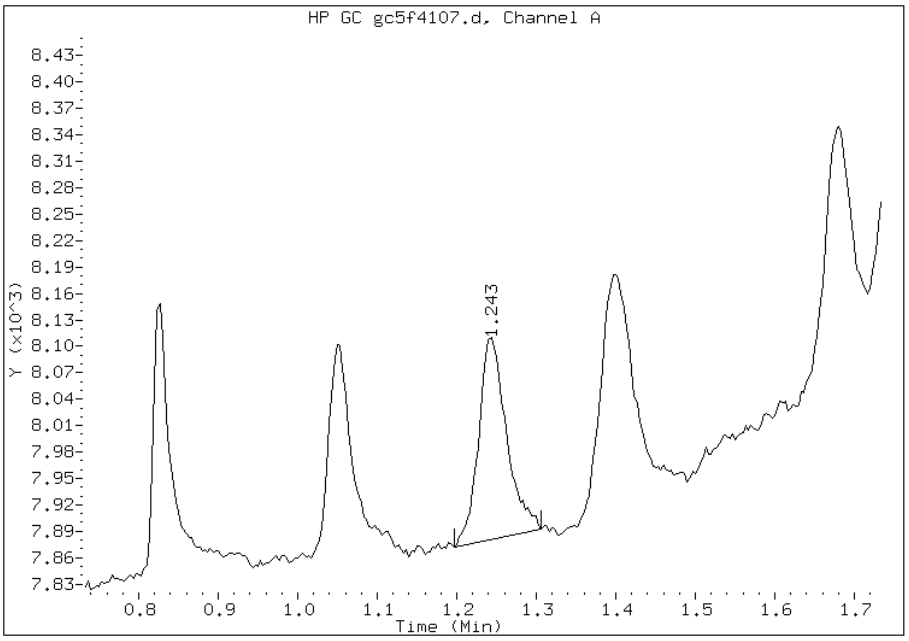
## Manual Integration Results

RT: 1.24

Response: 2814

Amount: 638.78

Conc: 638.78




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCVRT 460-17479/2 Calibration Date: 09/21/2009 09:14

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4109.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.852 | 3.907 | | 5070 | 5000 | 1.4 | 15.0 |
| Ethanol | Ave | 4.089 | 4.083 | | 4990 | 5000 | -0.1 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.405 | 4.249 | | 4820 | 5000 | -3.5 | 15.0 |
| Isopropyl alcohol | Ave | 6.171 | 5.946 | | 4820 | 5000 | -3.6 | 15.0 |
| Propanol | Ave | 5.134 | 4.890 | | 4760 | 5000 | -4.8 | 15.0 |
| Isobutyl alcohol | Ave | 4.773 | 4.667 | | 4890 | 5000 | -2.2 | 15.0 |
| n-Butanol | Ave | 5.208 | 5.075 | | 4870 | 5000 | -2.6 | 15.0 |
| sec-Butyl Alcohol | Ave | 4.935 | 4.755 | | 4820 | 5000 | -3.6 | 15.0 |
| 1-Pentanol | Ave | 4.874 | 4.801 | | 4930 | 5000 | -1.5 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCVRT 460-17479/2 Calibration Date: 09/21/2009 09:14

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4109.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.83 | 0.77 | 0.97 |
| Ethanol | 1.06 | 1.01 | 1.21 |
| 2-Methyl-2-propanol | 1.25 | 1.21 | 1.41 |
| Isopropyl alcohol | 1.41 | 1.37 | 1.57 |
| Propanol | 1.69 | 1.66 | 1.86 |
| Isobutyl alcohol | 1.98 | 1.95 | 2.15 |
| n-Butanol | 2.25 | 2.22 | 2.42 |
| sec-Butyl Alcohol | 2.58 | 2.56 | 2.76 |
| 1-Pentanol | 3.60 | 3.58 | 3.78 |

Data File: gc5f4109.d
Report Date: 21-Sep-2009 11:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4109.d
Lab Smp Id: CCVRT-SGALCL3_00002
Inj Date  : 21-SEP-2009 09:14
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCVRT-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| | Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 3 | Methanol | 0.833 | 0.833 | 0.000 | 19536 | 5000.00 | 5070 |
| 5 | Ethanol | 1.060 | 1.060 | 0.000 | 20416 | 5000.00 | 4990 |
| 4 | tert-Butyl Alcohol | 1.254 | 1.254 | 0.000 | 21247 | 5000.00 | 4820 |
| 6 | Isopropanol | 1.411 | 1.411 | 0.000 | 29729 | 5000.00 | 4820 |
| 7 | 1-Propanol | 1.693 | 1.693 | 0.000 | 24449 | 5000.00 | 4760(M) |
| 9 | Isobutanol | 1.975 | 1.975 | 0.000 | 23335 | 5000.00 | 4890 |
| 10 | n-Butanol(1-Butanol) | 2.247 | 2.247 | 0.000 | 25375 | 5000.00 | 4870 |
| 8 | 2-Butanol | 2.584 | 2.584 | 0.000 | 23776 | 5000.00 | 4820 |
| $ 11 | 1-Pentanol (sur) | 3.596 | 3.596 | 0.000 | 24005 | 5000.00 | 4920 |

QC Flag Legend

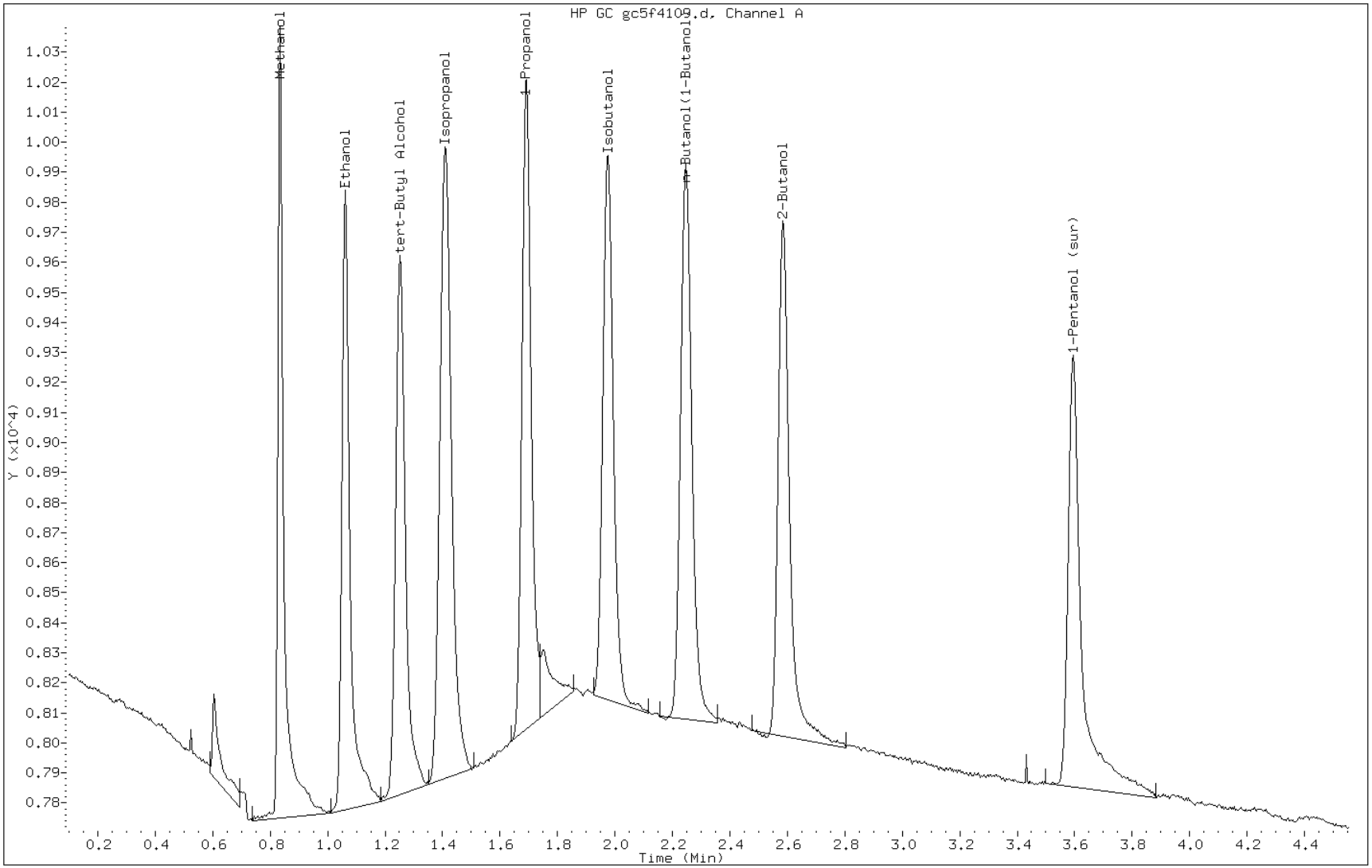
M - Compound response manually integrated.

Data File: gc5f4109.d

Date: 21-SEP-2009 09:14

Client ID: Instrument: BNAGC5.i

Sample Info: CCVRT-SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4109.d
Inj. Date and Time: 21-SEP-2009 09:14
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

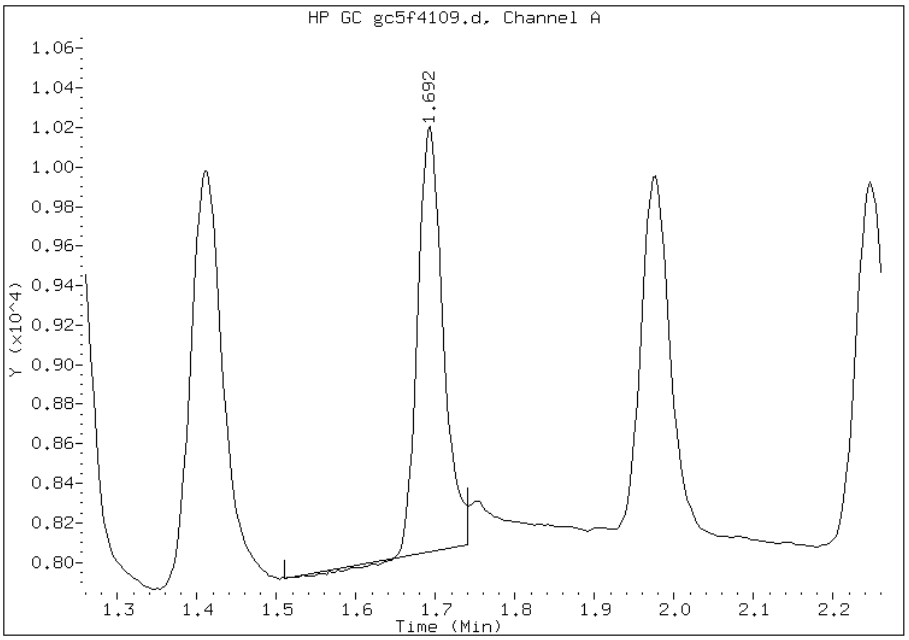
## Processing Integration Results

RT: 1.69

Response: 23663

Amount: 4609.44

Conc: 4609.44



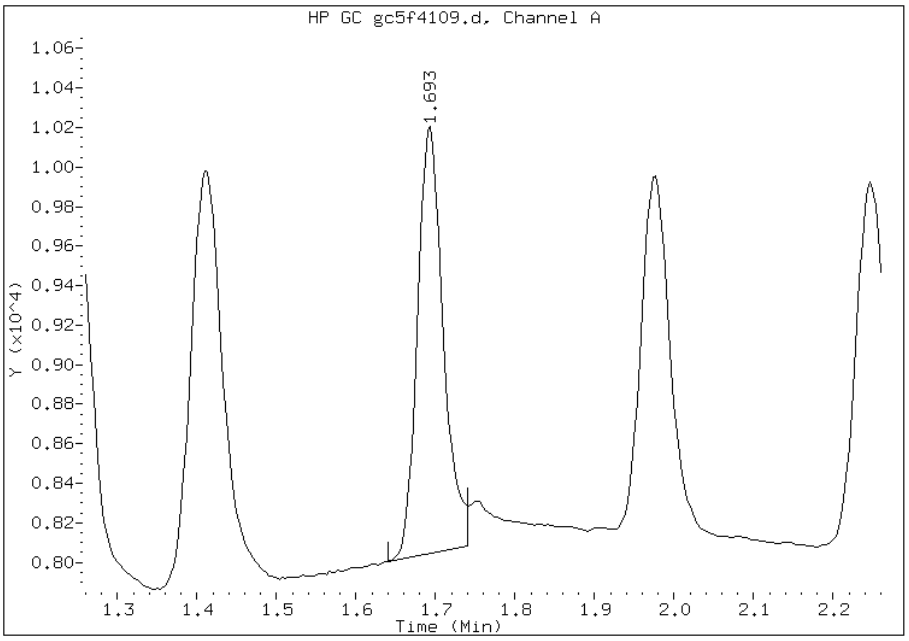

## Manual Integration Results

RT: 1.69

Response: 24449

Amount: 4762.35

Conc: 4762.35




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCV 460-17479/14 Calibration Date: 09/21/2009 10:43

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4121.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.852 | 3.439 | | 4460 | 5000 | -10.7 | 15.0 |
| Ethanol | Ave | 4.089 | 3.644 | | 4460 | 5000 | -10.9 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.405 | 3.752 | | 4260 | 5000 | -14.8 | 15.0 |
| Isopropyl alcohol | Ave | 6.171 | 5.475 | | 4440 | 5000 | -11.3 | 15.0 |
| Propanol | Ave | 5.134 | 5.546 | | 5400 | 5000 | 8.0 | 15.0 |
| Isobutyl alcohol | Ave | 4.773 | 4.423 | | 4630 | 5000 | -7.3 | 15.0 |
| n-Butanol | Ave | 5.208 | 5.228 | | 5020 | 5000 | 0.4 | 15.0 |
| sec-Butyl Alcohol | Ave | 4.935 | 4.696 | | 4760 | 5000 | -4.8 | 15.0 |
| 1-Pentanol | Ave | 4.874 | 4.453 | | 4570 | 5000 | -8.6 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCVRT 460-17484/1 Calibration Date: 09/21/2009 10:43

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4121.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.852 | 3.439 | | 4460 | 5000 | -10.7 | 15.0 |
| Ethanol | Ave | 4.089 | 3.644 | | 4460 | 5000 | -10.9 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.405 | 3.752 | | 4260 | 5000 | -14.8 | 15.0 |
| Isopropyl alcohol | Ave | 6.171 | 5.475 | | 4440 | 5000 | -11.3 | 15.0 |
| Propanol | Ave | 5.134 | 5.546 | | 5400 | 5000 | 8.0 | 15.0 |
| Isobutyl alcohol | Ave | 4.773 | 4.423 | | 4630 | 5000 | -7.3 | 15.0 |
| n-Butanol | Ave | 5.208 | 5.228 | | 5020 | 5000 | 0.4 | 15.0 |
| sec-Butyl Alcohol | Ave | 4.935 | 4.696 | | 4760 | 5000 | -4.8 | 15.0 |
| 1-Pentanol | Ave | 4.874 | 4.453 | | 4570 | 5000 | -8.6 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCV 460-17479/14 Calibration Date: 09/21/2009 10:43

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4121.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.87 | 0.77 | 0.97 |
| Ethanol | 1.11 | 1.01 | 1.21 |
| 2-Methyl-2-propanol | 1.31 | 1.21 | 1.41 |
| Isopropyl alcohol | 1.47 | 1.37 | 1.57 |
| Propanol | 1.76 | 1.66 | 1.86 |
| Isobutyl alcohol | 2.05 | 1.95 | 2.15 |
| n-Butanol | 2.32 | 2.22 | 2.42 |
| sec-Butyl Alcohol | 2.66 | 2.56 | 2.76 |
| 1-Pentanol | 3.68 | 3.58 | 3.78 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCVRT 460-17484/1 Calibration Date: 09/21/2009 10:43

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4121.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.87 | 0.77 | 0.97 |
| Ethanol | 1.11 | 1.01 | 1.21 |
| 2-Methyl-2-propanol | 1.31 | 1.21 | 1.41 |
| Isopropyl alcohol | 1.47 | 1.37 | 1.57 |
| Propanol | 1.76 | 1.66 | 1.86 |
| Isobutyl alcohol | 2.05 | 1.95 | 2.15 |
| n-Butanol | 2.32 | 2.22 | 2.42 |
| sec-Butyl Alcohol | 2.66 | 2.56 | 2.76 |
| 1-Pentanol | 3.68 | 3.58 | 3.78 |

Data File: gc5f4121.d
Report Date: 21-Sep-2009 11:53

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4121.d
Lab Smp Id: CCV-SGALCL3_00002
Inj Date  : 21-SEP-2009 10:43
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : CCV-SGALCL3_00002
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:53 patelhe Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| | | | | | | AMOUNTS | |
|---|---|---|---|---|---|---|---|
| | | | | | | CAL-AMT | ON-COL |
| | Compounds | RT | EXP RT | DLT RT | RESPONSE | ( ug/L) | ( ug/L) |
| | 3 Methanol | 0.874 | 0.874 | 0.000 | 17193 | 5000.00 | 4460 |
| | 5 Ethanol | 1.112 | 1.112 | 0.000 | 18221 | 5000.00 | 4460 |
| | 4 tert-Butyl Alcohol | 1.312 | 1.312 | 0.000 | 18758 | 5000.00 | 4260 |
| | 6 Isopropanol | 1.473 | 1.473 | 0.000 | 27375 | 5000.00 | 4440 |
| | 7 1-Propanol | 1.760 | 1.760 | 0.000 | 27730 | 5000.00 | 5400(M) |
| | 9 Isobutanol | 2.047 | 2.047 | 0.000 | 22116 | 5000.00 | 4630(M) |
| | 10 n-Butanol(1-Butanol) | 2.322 | 2.322 | 0.000 | 26139 | 5000.00 | 5020 |
| | 8 2-Butanol | 2.664 | 2.664 | 0.000 | 23480 | 5000.00 | 4760 |
| $ | 11 1-Pentanol (sur) | 3.683 | 3.683 | 0.000 | 22267 | 5000.00 | 4570(M) |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4121.d
Report Date: 21-Sep-2009 12:15

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/gc5f4121.d
Lab Smp Id: CCVRT-SGALCL3_00002
Inj Date : 21-SEP-2009 10:43
Operator : 615 Inst ID: BNAGC5.i
Smp Info : CCVRT-SGALCL3_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/alcohols2008.m
Meth Date : 21-Sep-2009 12:15 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.874 | 0.874 | 0.000 | 17193 | 5000.00 | 4460 |
| 5 Ethanol | 1.112 | 1.112 | 0.000 | 18221 | 5000.00 | 4460 |
| 4 tert-Butyl Alcohol | 1.312 | 1.312 | 0.000 | 18758 | 5000.00 | 4260 |
| 6 Isopropanol | 1.473 | 1.473 | 0.000 | 27375 | 5000.00 | 4440 |
| 7 1-Propanol | 1.760 | 1.760 | 0.000 | 27730 | 5000.00 | 5400(M) |
| 9 Isobutanol | 2.047 | 2.047 | 0.000 | 22116 | 5000.00 | 4630(M) |
| 10 n-Butanol(1-Butanol) | 2.322 | 2.322 | 0.000 | 26139 | 5000.00 | 5020 |
| 8 2-Butanol | 2.664 | 2.664 | 0.000 | 23480 | 5000.00 | 4760 |
| $ 11 1-Pentanol (sur) | 3.683 | 3.683 | 0.000 | 22267 | 5000.00 | 4570(M) |

QC Flag Legend

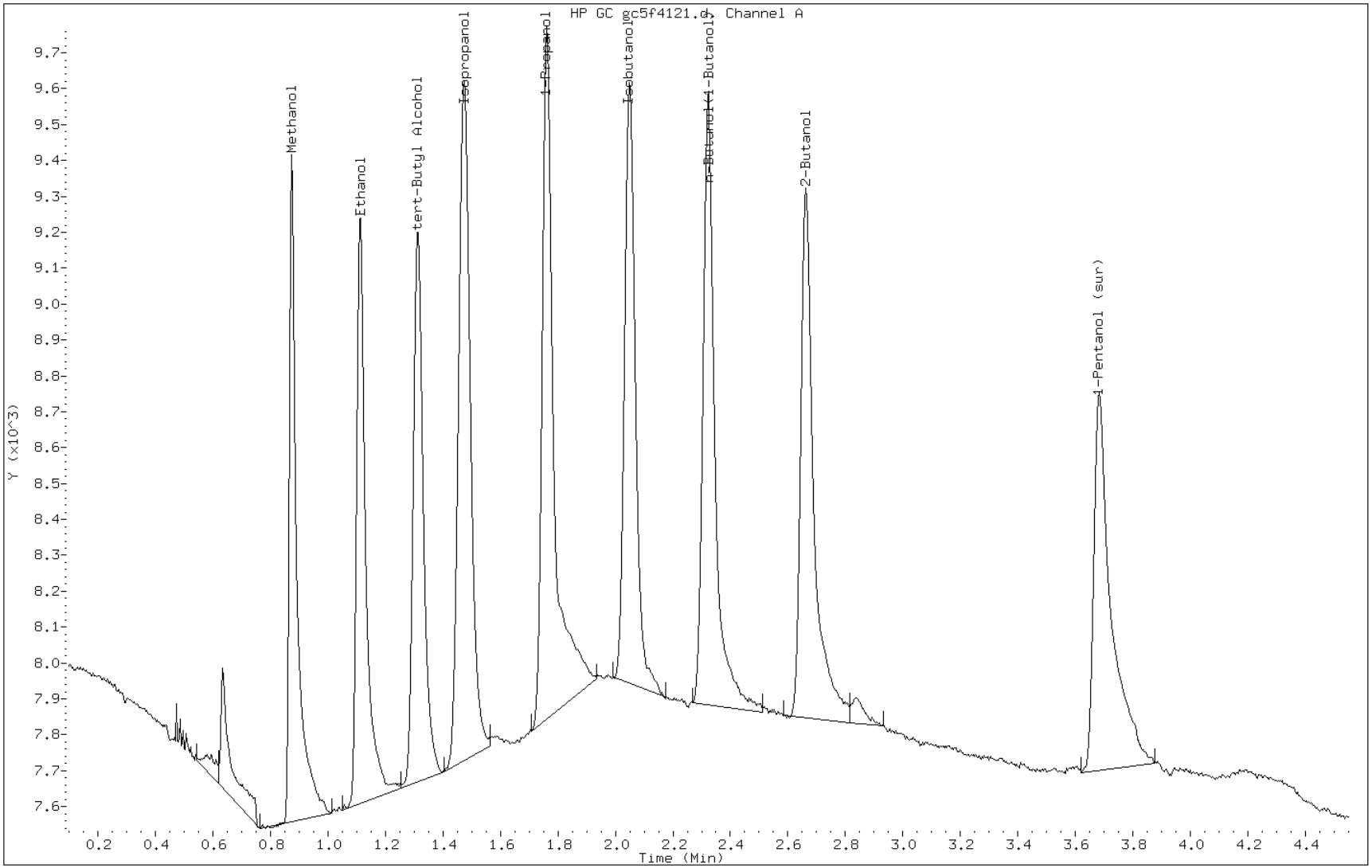
M - Compound response manually integrated.

Data File: gc5f4121.d

Date: 21-SEP-2009 10:43

Client ID: Instrument: BNAGC5.i

Sample Info: CCV-SGALCL3_00002 Operator: 615

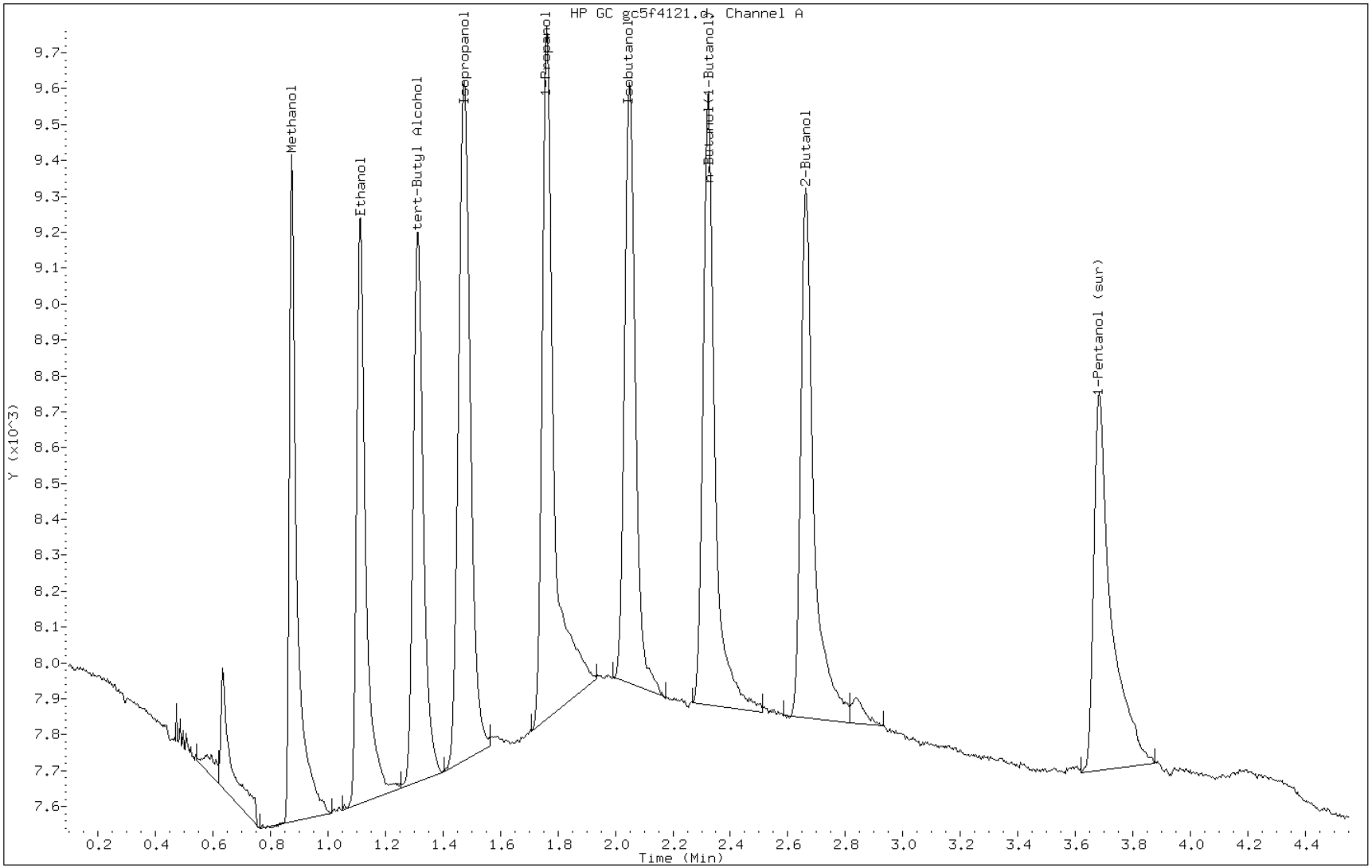


Data File: gc5f4121.d

Date: 21-SEP-2009 10:43

Client ID: Instrument: BNAGC5.i

Sample Info: CCVRT-SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.76

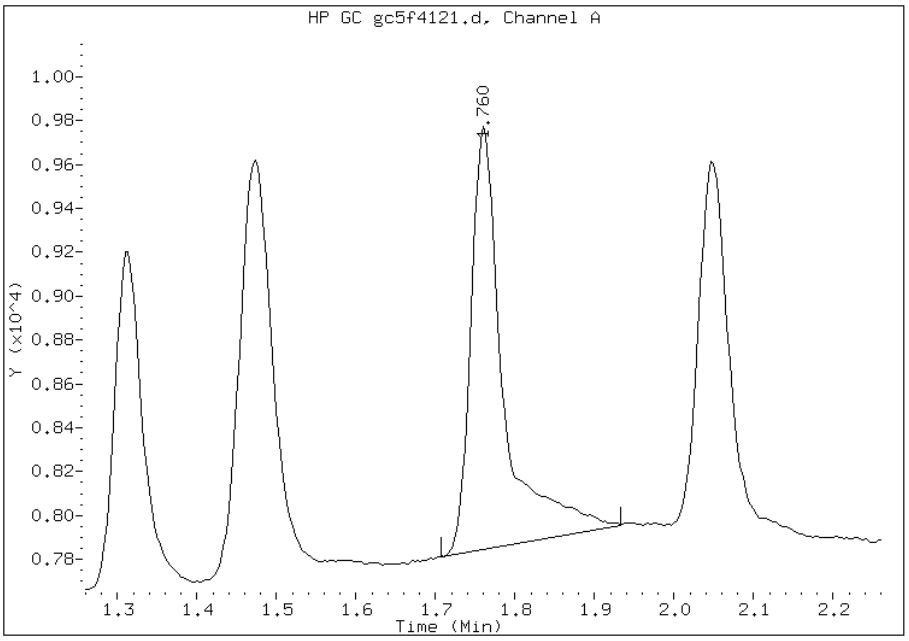
## Manual Integration Results

RT: 1.76

Response: 27730

Amount: 5401.44

Conc: 5401.44




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.05

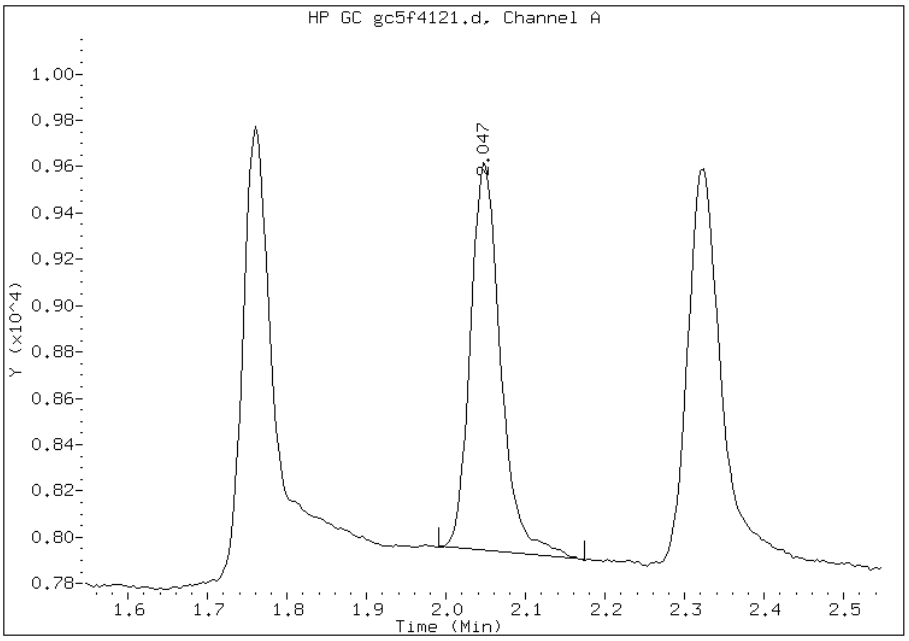
## Manual Integration Results

RT: 2.05

Response: 22116

Amount: 4633.79

Conc: 4633.79




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.68

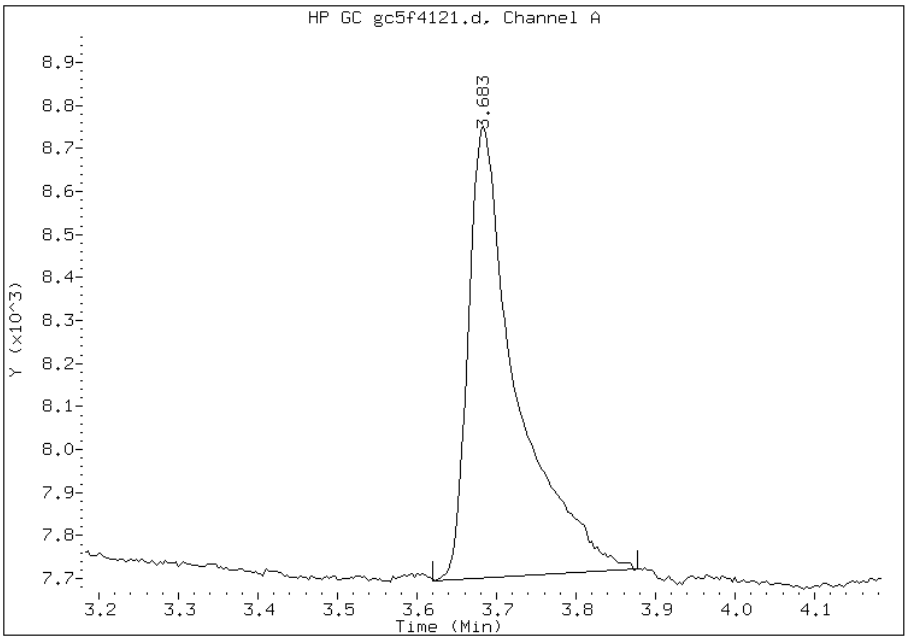
## Manual Integration Results

RT: 3.68

Response: 22267

Amount: 4568.56

Conc: 4568.56




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  7 1-Propanol
CAS #: 71-23-8
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.76

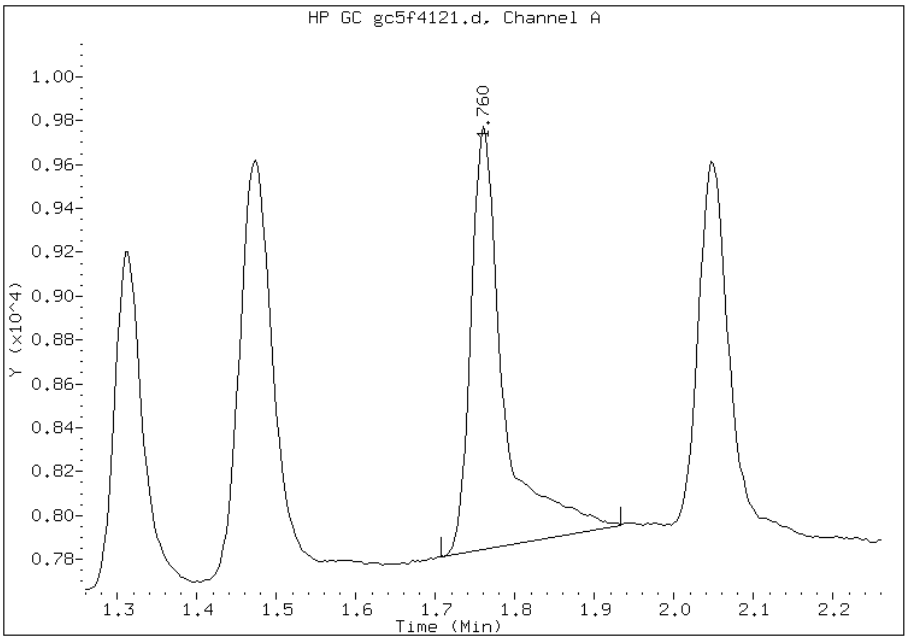
## Manual Integration Results

RT: 1.76

Response: 27730

Amount: 5401.44

Conc: 5401.44




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 3.68

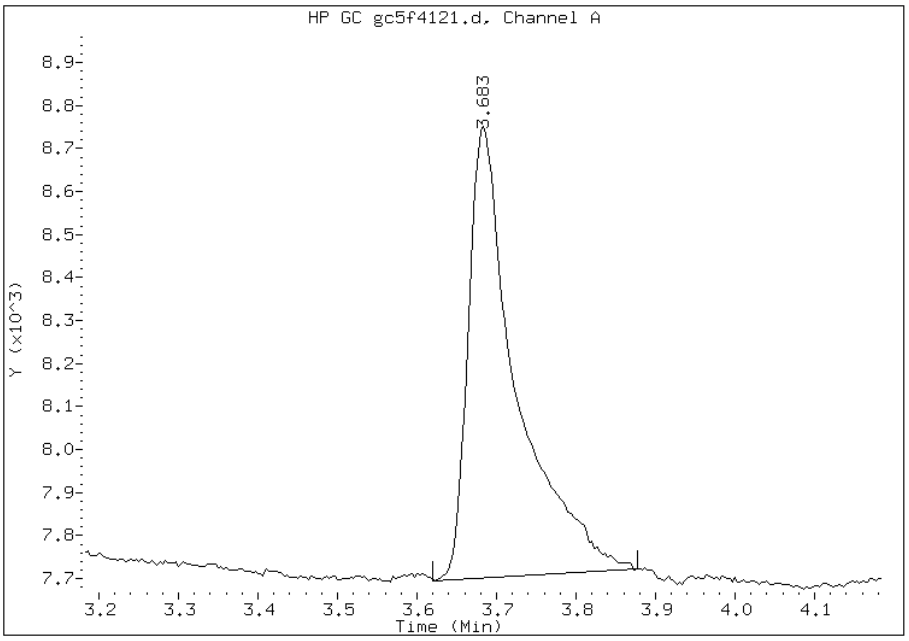
## Manual Integration Results

RT: 3.68

Response: 22267

Amount: 4568.56

Conc: 4568.56




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4121.d
Inj. Date and Time: 21-SEP-2009 10:43
Instrument ID: BNAGC5.i
Client ID:
Compound:  9 Isobutanol
CAS #: 78-83-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 2.05

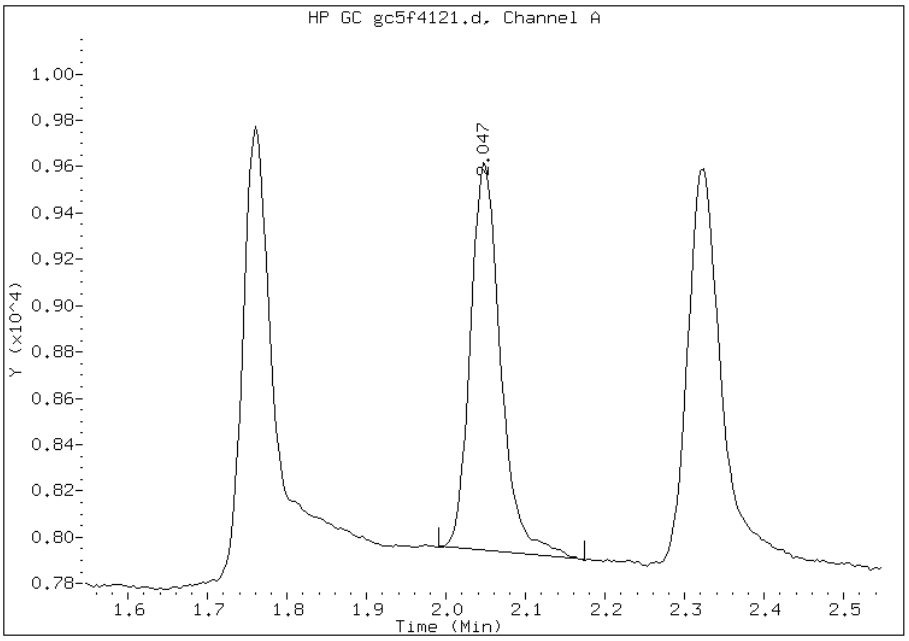
## Manual Integration Results

RT: 2.05

Response: 22116

Amount: 4633.79

Conc: 4633.79




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM VII
HYDROCARBONS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCV 460-17484/7 Calibration Date: 09/21/2009 11:33

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4127.d Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| Methanol | Ave | 3.852 | 3.372 | | 4380 | 5000 | -12.5 | 15.0 |
| Ethanol | Ave | 4.089 | 3.606 | | 4410 | 5000 | -11.8 | 15.0 |
| 2-Methyl-2-propanol | Ave | 4.405 | 3.836 | | 4350 | 5000 | -12.9 | 15.0 |
| Isopropyl alcohol | Ave | 6.171 | 5.915 | | 4790 | 5000 | -4.1 | 15.0 |
| Propanol | Ave | 5.134 | 5.632 | | 5480 | 5000 | 9.7 | 15.0 |
| Isobutyl alcohol | Ave | 4.773 | 5.124 | | 5370 | 5000 | 7.4 | 15.0 |
| n-Butanol | Ave | 5.208 | 5.509 | | 5290 | 5000 | 5.8 | 15.0 |
| sec-Butyl Alcohol | Ave | 4.935 | 4.279 | | 4340 | 5000 | -13.3 | 15.0 |
| 1-Pentanol | Ave | 4.874 | 5.130 | | 5260 | 5000 | 5.3 | 15.0 |

FORM VII
HYDROCARBONS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Lab Sample ID: CCV 460-17484/7 Calibration Date: 09/21/2009 11:33

Instrument ID: BNAGC5 Calib Start Date: 09/21/2009 08:30

GC Column: Rtx-624 ID: 0.53(mm) Calib End Date: 09/21/2009 08:55

Lab File ID: gc5f4127.d Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|---|---|---|---|
| | | TO | FROM |
| Methanol | 0.89 | 0.79 | 0.99 |
| Ethanol | 1.14 | 1.04 | 1.24 |
| 2-Methyl-2-propanol | 1.34 | 1.24 | 1.44 |
| Isopropyl alcohol | 1.50 | 1.40 | 1.60 |
| Propanol | 1.79 | 1.69 | 1.89 |
| Isobutyl alcohol | 2.08 | 1.98 | 2.18 |
| n-Butanol | 2.36 | 2.26 | 2.46 |
| sec-Butyl Alcohol | 2.70 | 2.60 | 2.80 |
| 1-Pentanol | 3.74 | 3.64 | 3.84 |

Data File: gc5f4127.d
Report Date: 21-Sep-2009 12:48

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/gc5f4127.d
Lab Smp Id: CCV-SGALCL3_00002
Inj Date : 21-SEP-2009 11:33
Operator : 615 Inst ID: BNAGC5.i
Smp Info : CCV-SGALCL3_00002
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098c.b/alcohols2008.m
Meth Date : 21-Sep-2009 12:48 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.890 | 0.890 | 0.000 | 16860 | 5000.00 | 4380(M) |
| 5 Ethanol | 1.137 | 1.137 | 0.000 | 18030 | 5000.00 | 4410(M) |
| 4 tert-Butyl Alcohol | 1.337 | 1.337 | 0.000 | 19180 | 5000.00 | 4350(M) |
| 6 Isopropanol | 1.500 | 1.500 | 0.000 | 29575 | 5000.00 | 4790(M) |
| 7 1-Propanol | 1.789 | 1.789 | 0.000 | 28158 | 5000.00 | 5480 |
| 9 Isobutanol | 2.081 | 2.081 | 0.000 | 25618 | 5000.00 | 5370 |
| 10 n-Butanol(1-Butanol) | 2.358 | 2.358 | 0.000 | 27543 | 5000.00 | 5290 |
| 8 2-Butanol | 2.701 | 2.701 | 0.000 | 21396 | 5000.00 | 4340 |
| $ 11 1-Pentanol (sur) | 3.737 | 3.737 | 0.000 | 25652 | 5000.00 | 5260(M) |

QC Flag Legend

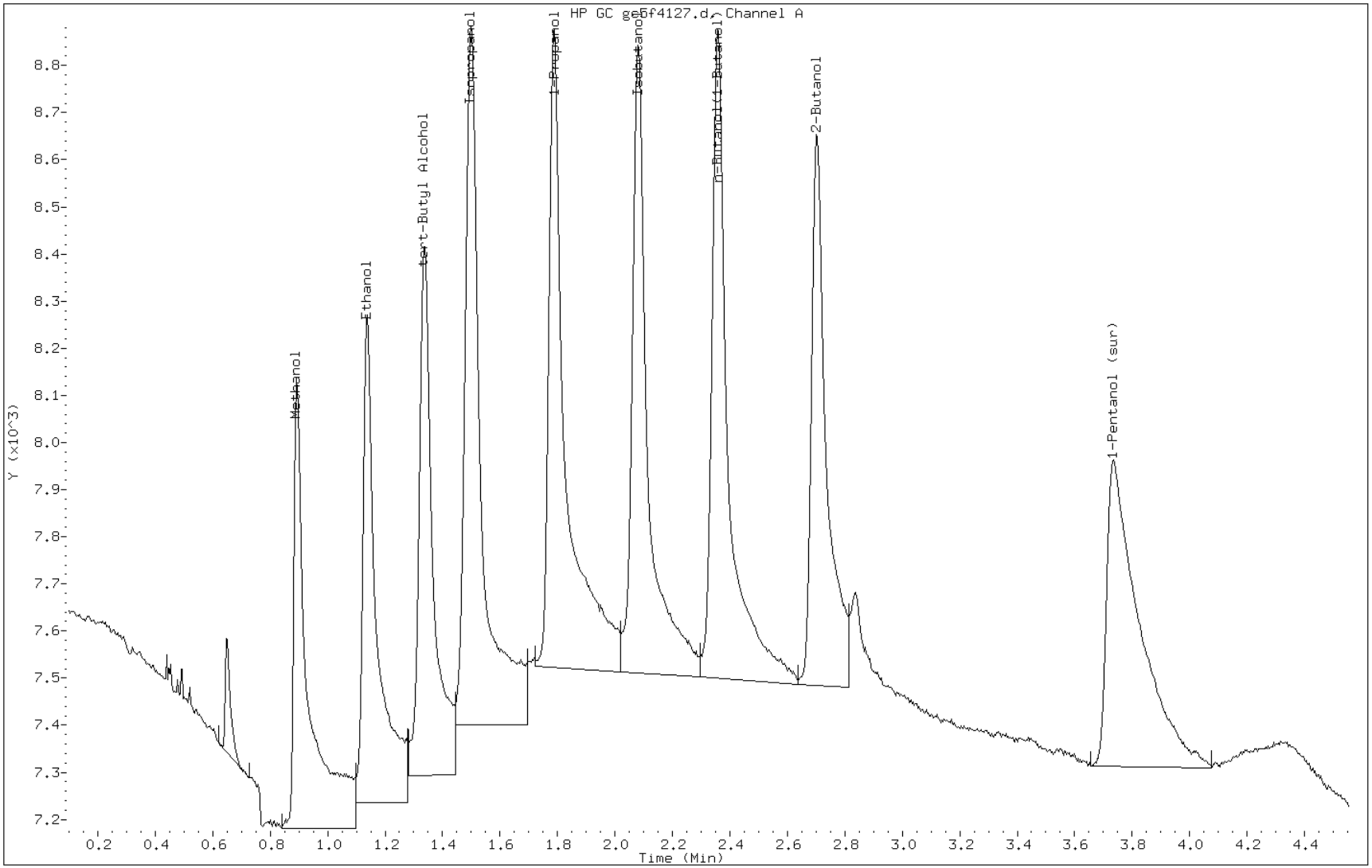
M - Compound response manually integrated.

Data File: gc5f4127.d

Date: 21-SEP-2009 11:33

Client ID: Instrument: BNAGC5.i

Sample Info: CCV-SGALCL3_00002 Operator: 615



# Manual Integration Report

Data File: gc5f4127.d
Inj. Date and Time: 21-SEP-2009 11:33
Instrument ID: BNAGC5.i
Client ID:
Compound:  6 Isopropanol
CAS #: 67-63-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.50

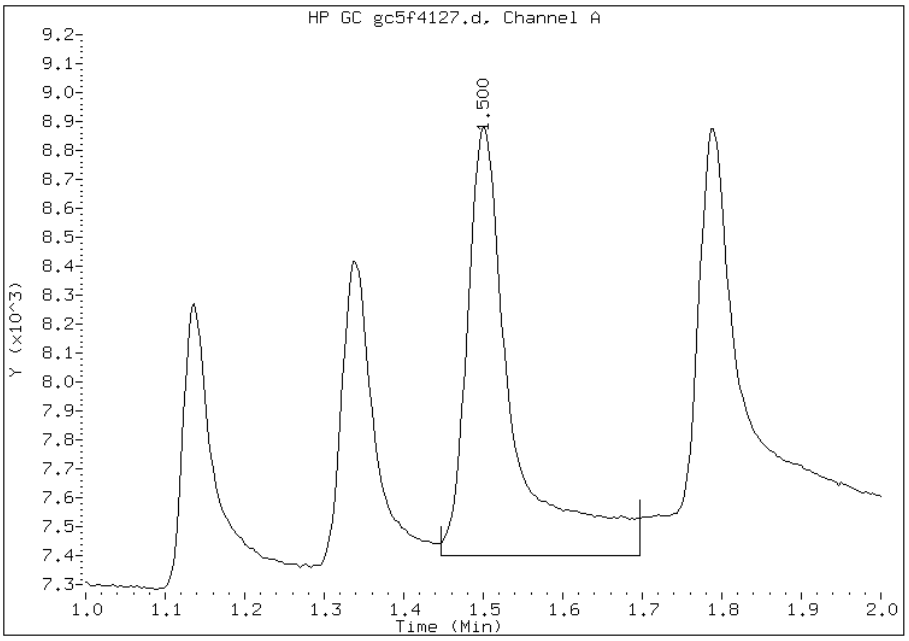
## Manual Integration Results

RT: 1.50

Response: 29575

Amount: 4792.65

Conc: 4792.65




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4127.d
Inj. Date and Time: 21-SEP-2009 11:33
Instrument ID: BNAGC5.i
Client ID:
Compound:  4 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 1.34

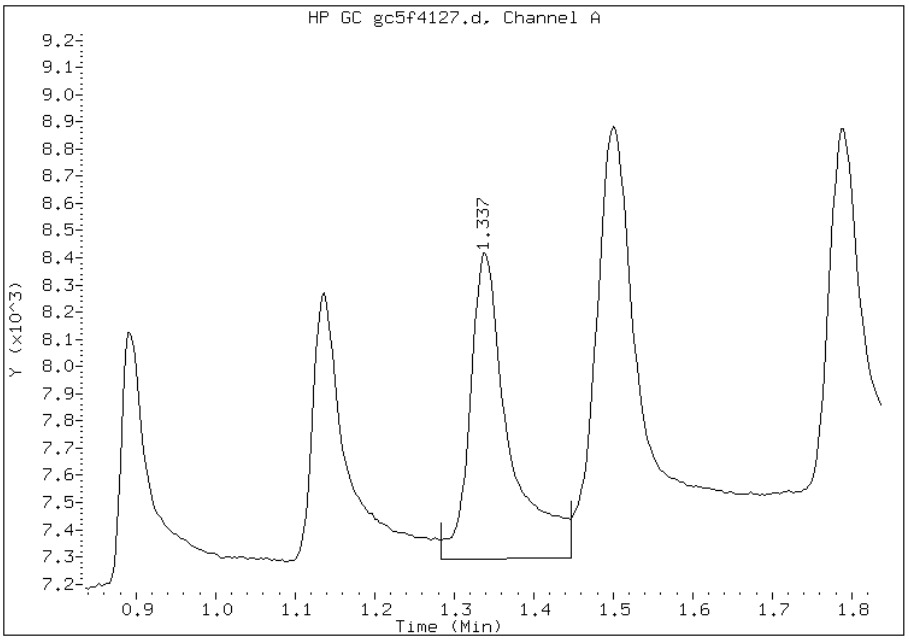
## Manual Integration Results

RT: 1.34

Response: 19180

Amount: 4353.86

Conc: 4353.86




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4127.d
Inj. Date and Time: 21-SEP-2009 11:33
Instrument ID: BNAGC5.i
Client ID:
Compound:  3 Methanol
CAS #: 67-56-1
Report Date: 09/21/2009

## Processing Integration Results

Not Detected

Expected RT: 0.89

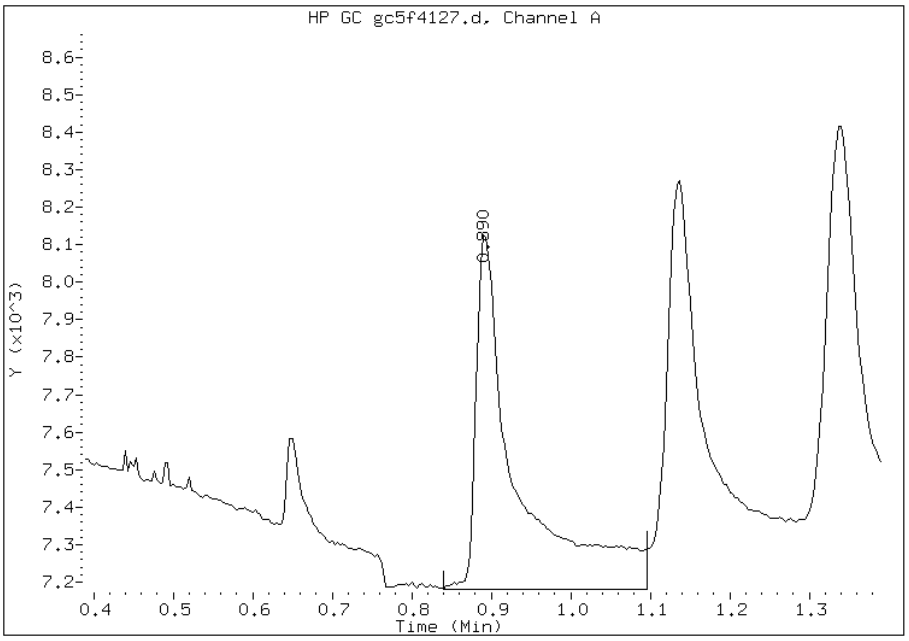
## Manual Integration Results

RT: 0.89

Response: 16860

Amount: 4376.56

Conc: 4376.56




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4127.d
Inj. Date and Time: 21-SEP-2009 11:33
Instrument ID: BNAGC5.i
Client ID:
Compound:  5 Ethanol
CAS #: 64-17-5
Report Date: 09/21/2009

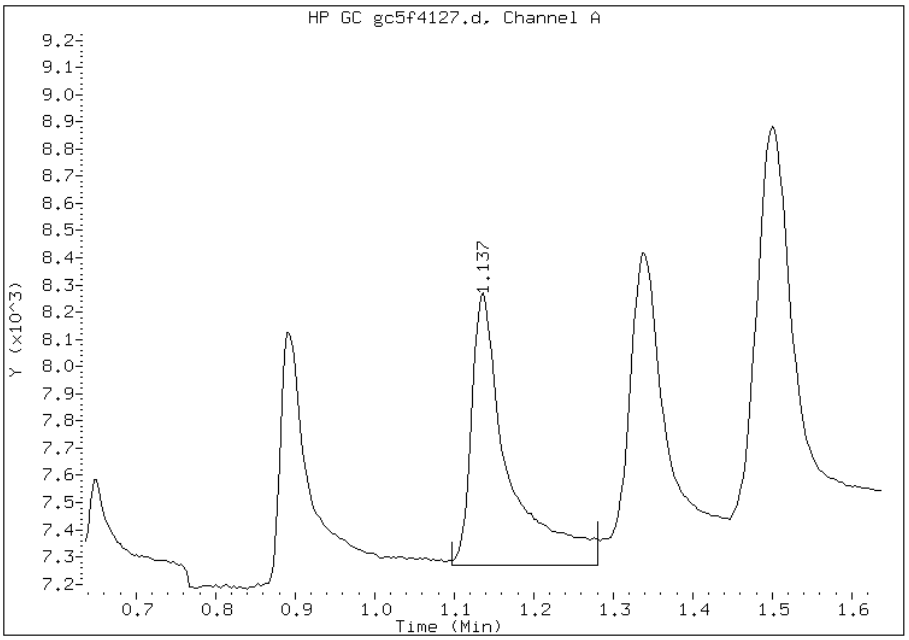
## Processing Integration Results

RT: 1.14

Response: 16126

Amount: 3943.50

Conc: 3943.50



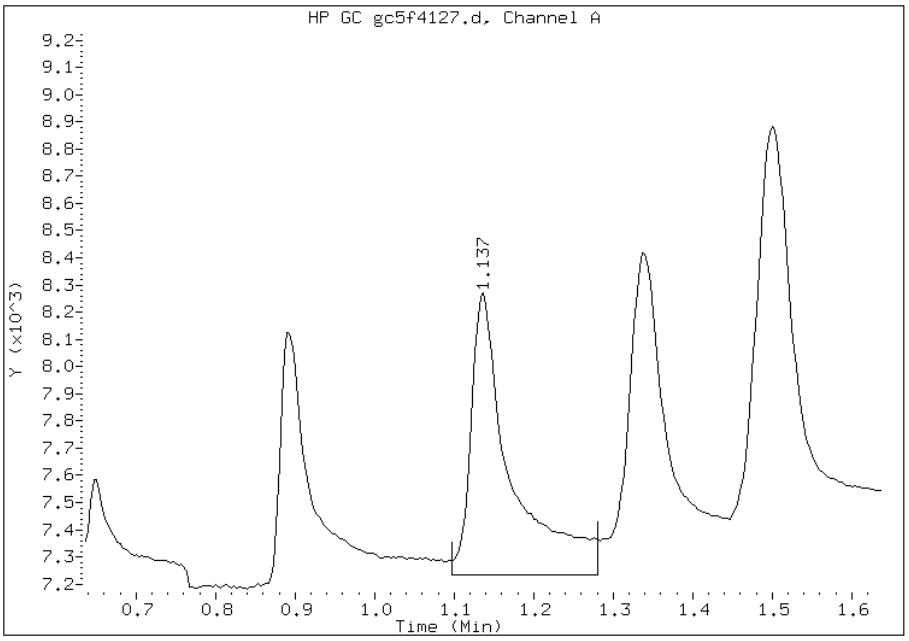

## Manual Integration Results

RT: 1.14

Response: 18030

Amount: 4409.12

Conc: 4409.12




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

# Manual Integration Report

Data File: gc5f4127.d
Inj. Date and Time: 21-SEP-2009 11:33
Instrument ID: BNAGC5.i
Client ID:
Compound:  11 1-Pentanol (sur)
CAS #: 71-41-0
Report Date: 09/21/2009

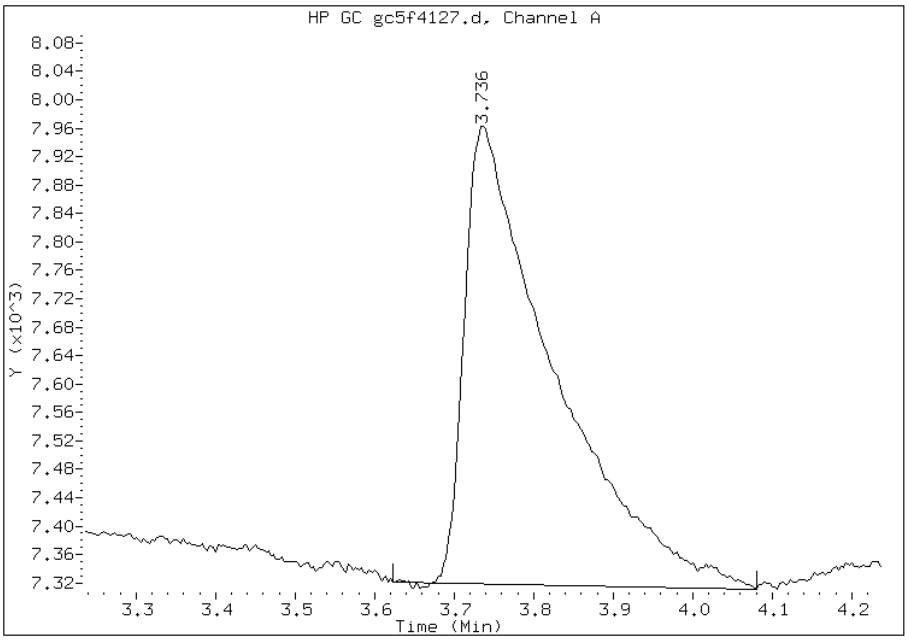
## Processing Integration Results

RT: 3.74

Response: 25007

Amount: 5130.87

Conc: 5130.87



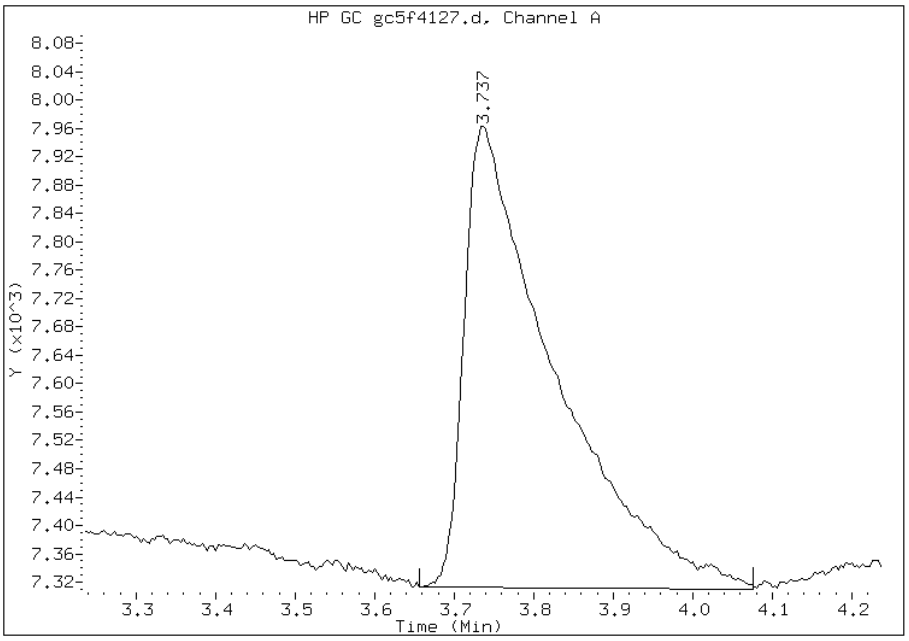

## Manual Integration Results

RT: 3.74

Response: 25652

Amount: 5263.07

Conc: 5263.07




Manually Integrated By: patelhe
Manual Integration Reason: Baseline Event

FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-17479/6

Matrix: Water Lab File ID: gc5f4113.d

Analysis Method: 8015B Date Collected:

Sample wt/vol: 1(uL) Date Analyzed: 09/21/2009 09:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17479 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 500 | U | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 104 | 52-122 | |

Data File: gc5f4113.d
Report Date: 21-Sep-2009 11:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4113.d
Lab Smp Id: MB
Inj Date : 21-SEP-2009 09:39
Operator : 615 Inst ID: BNAGC5.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

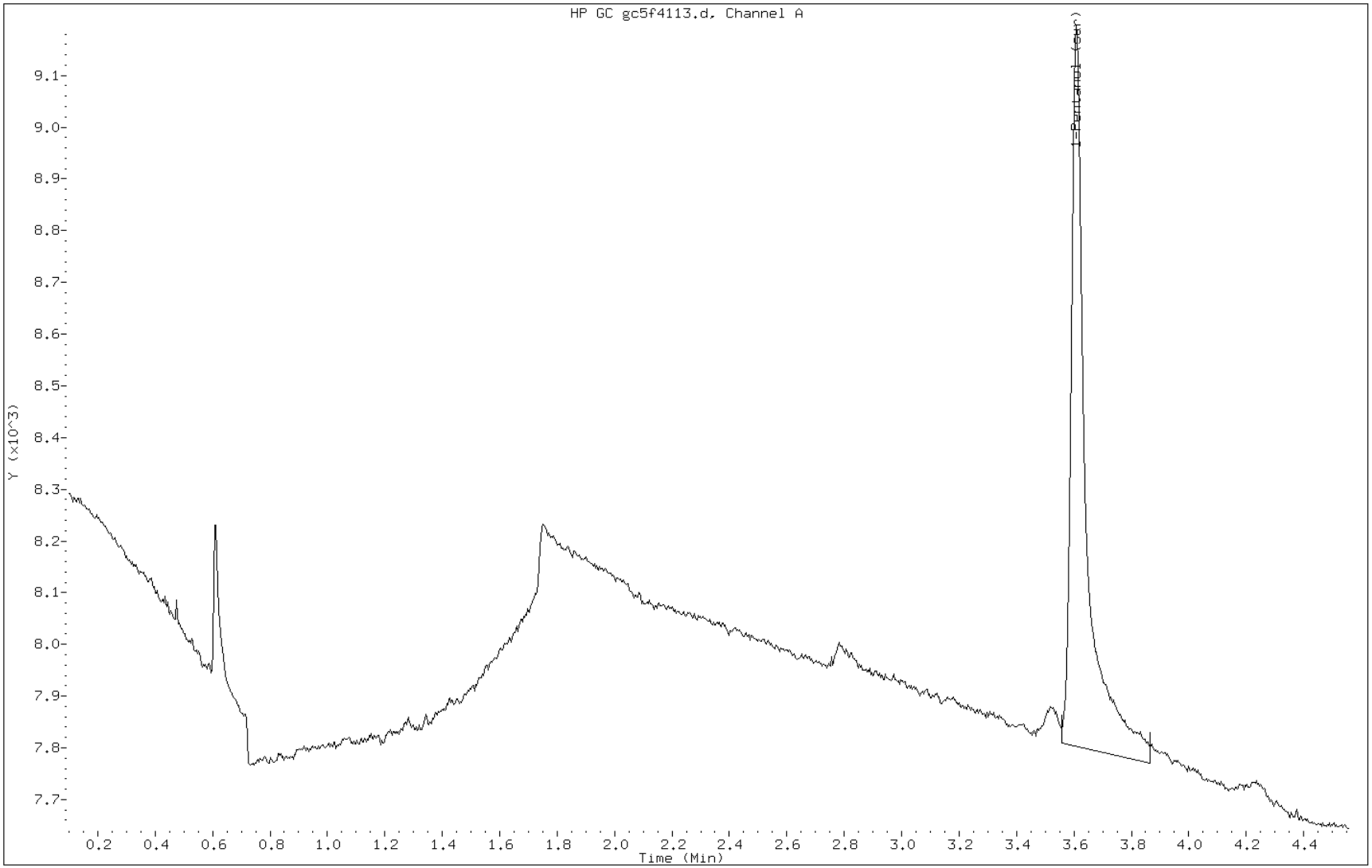
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | Compound Not Detected. | | | | | |
| 5 Ethanol | Compound Not Detected. | | | | | |
| 4 tert-Butyl Alcohol | Compound Not Detected. | | | | | |
| 6 Isopropanol | Compound Not Detected. | | | | | |
| 7 1-Propanol | Compound Not Detected. | | | | | |
| 9 Isobutanol | Compound Not Detected. | | | | | |
| 10 n-Butanol(1-Butanol) | Compound Not Detected. | | | | | |
| 8 2-Butanol | Compound Not Detected. | | | | | |
| $ 11 1-Pentanol (sur) | 3.607 | 3.596 | 0.011 | 25350 | 5201.11 | 5200 |

Data File: gc5f4113.d

Date: 21-SEP-2009 09:39

Client ID: Instrument: BNAGC5.i

Sample Info: MB Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-5887-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-17479/3

Matrix: Water Lab File ID: gc5f4110.d

Analysis Method: 8015B Date Collected:

Sample wt/vol: 1(uL) Date Analyzed: 09/21/2009 09:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 17479 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 4890 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 95 | 52-122 | |

Data File: gc5f4110.d
Report Date: 21-Sep-2009 11:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4110.d
Lab Smp Id: LCS
Inj Date : 21-SEP-2009 09:20
Operator : 615 Inst ID: BNAGC5.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version: 3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.833 | 0.833 | 0.000 | 18845 | 4891.83 | 4890 |
| 5 Ethanol | 1.060 | 1.060 | 0.000 | 18827 | 4604.02 | 4600 |
| 4 tert-Butyl Alcohol | 1.254 | 1.254 | 0.000 | 19453 | 4415.83 | 4420 |
| 6 Isopropanol | 1.411 | 1.411 | 0.000 | 30104 | 4878.38 | 4880 |
| 7 1-Propanol | 1.693 | 1.693 | 0.000 | 29074 | 5663.24 | 5660(M) |
| 9 Isobutanol | 1.973 | 1.975 | -0.002 | 23172 | 4855.04 | 4860(M) |
| 10 n-Butanol(1-Butanol) | 2.247 | 2.247 | 0.000 | 26032 | 4998.43 | 5000(M) |
| 8 2-Butanol | 2.584 | 2.584 | 0.000 | 22958 | 4652.16 | 4650 |
| $ 11 1-Pentanol (sur) | 3.596 | 3.596 | 0.000 | 23183 | 4756.50 | 4760 |

QC Flag Legend

M - Compound response manually integrated.

Data File: gc5f4110.d

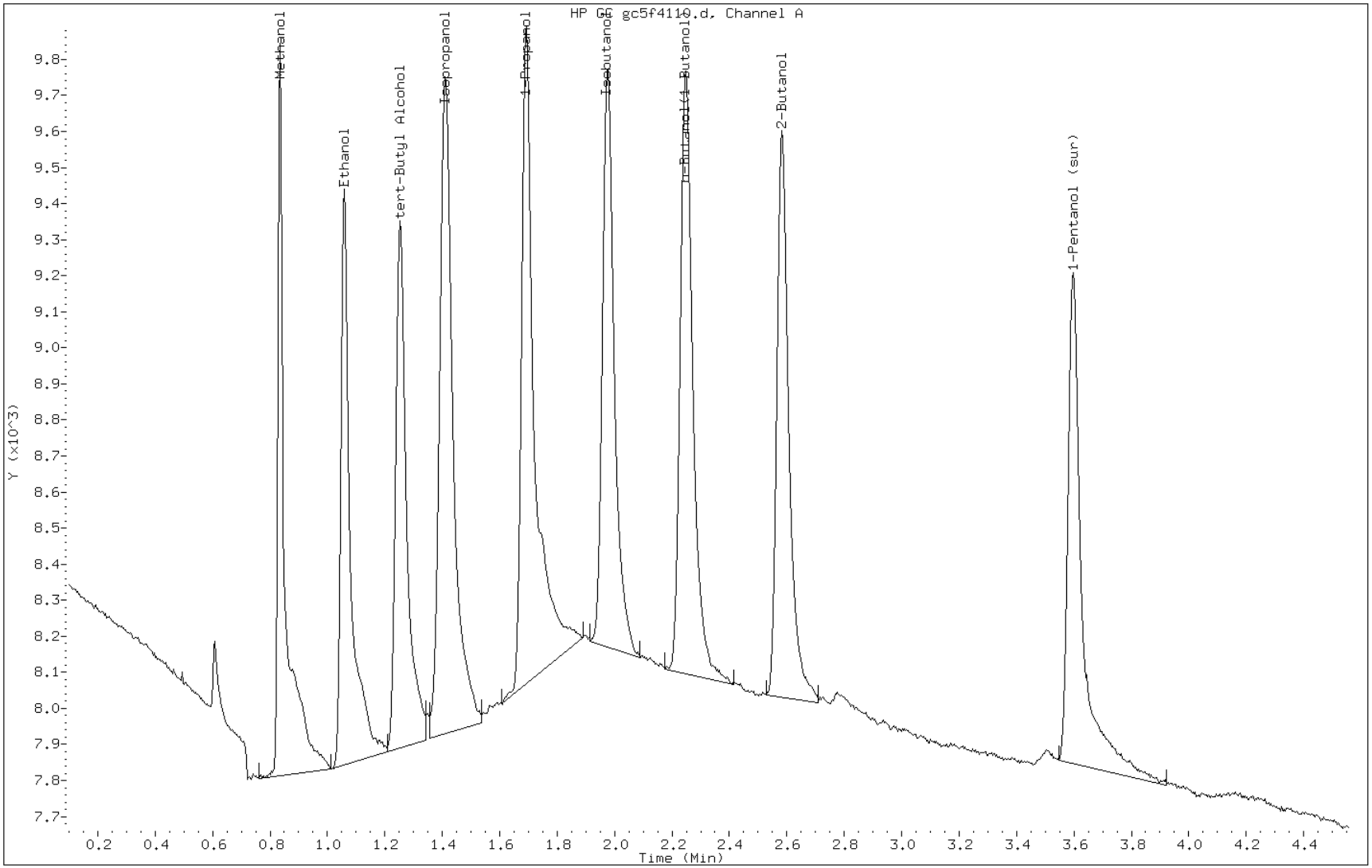
Date: 21-SEP-2009 09:20

Client ID:

Instrument: BNAGC5.i

Sample Info: LCS

Operator: 615



FORM I
HYDROCARBONS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-5887-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-17479/4

Matrix: Water | Lab File ID: gc5f4111.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 1(uL) | Date Analyzed: 09/21/2009 09:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 17479 | Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | RL |
|---|---|---|---|---|---|
| 67-56-1 | Methanol | 4850 | | 500 | 500 |

| CAS NO. | SURROGATE | %REC | LIMITS | Q |
|---|---|---|---|---|
| 71-41-0 | 1-Pentanol | 94 | 52-122 | |

Data File: gc5f4111.d
Report Date: 21-Sep-2009 11:10

TestAmerica

Data file : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/gc5f4111.d
Lab Smp Id: LCSD
Inj Date  : 21-SEP-2009 09:26
Operator  : 615 Inst ID: BNAGC5.i
Smp Info  : LCSD
Misc Info :
Comment   :
Method    : /chem/BNAGC5.i/ALCOHOLS2009/front/09-21-09/21sep098b.b/alcohols2008.m
Meth Date : 21-Sep-2009 11:10 patelhe Quant Type: ESTD
Cal Date  : 21-SEP-2009 08:55 Cal File: gc5f4107.d
Als bottle: 1 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: C1-C4.sub
Target Version:  3.50
Processing Host: hpd3

Concentration Formula: Amt * DF * Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 1.00000 | Injection Volume |

Cpnd Variable Local Compound Variable

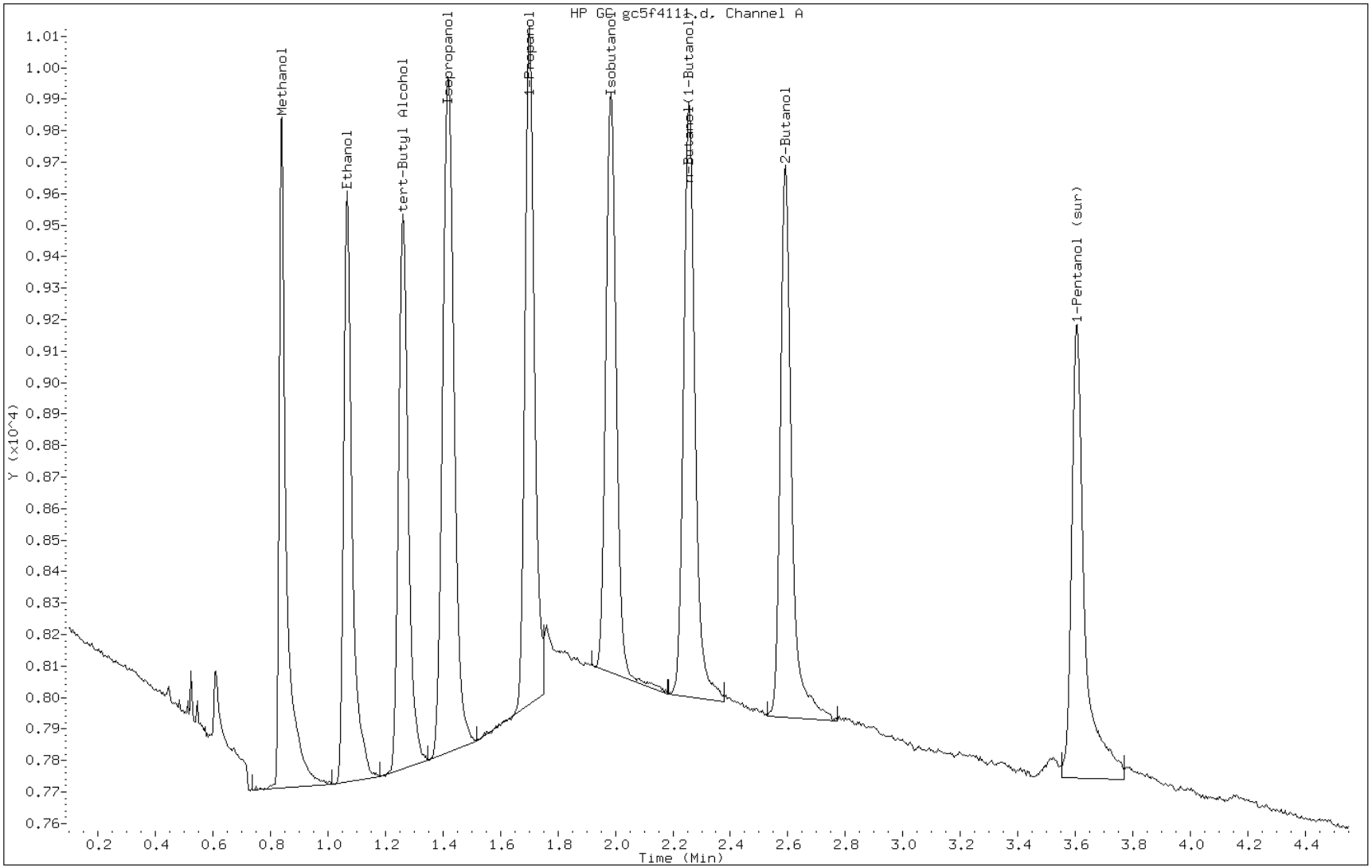
| Compounds | RT | EXP RT | DLT RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | CONCENTRATIONS FINAL ( ug/L) |
|---|---|---|---|---|---|---|
| 3 Methanol | 0.838 | 0.833 | 0.005 | 18676 | 4847.96 | 4850 |
| 5 Ethanol | 1.066 | 1.060 | 0.006 | 19485 | 4764.93 | 4760 |
| 4 tert-Butyl Alcohol | 1.260 | 1.254 | 0.006 | 20705 | 4700.03 | 4700 |
| 6 Isopropanol | 1.418 | 1.411 | 0.007 | 29989 | 4859.74 | 4860 |
| 7 1-Propanol | 1.700 | 1.693 | 0.007 | 24805 | 4831.69 | 4830 |
| 9 Isobutanol | 1.983 | 1.975 | 0.008 | 23535 | 4931.10 | 4930 |
| 10 n-Butanol(1-Butanol) | 2.254 | 2.247 | 0.007 | 26343 | 5058.15 | 5060 |
| 8 2-Butanol | 2.592 | 2.584 | 0.008 | 24093 | 4882.16 | 4880 |
| $ 11 1-Pentanol (sur) | 3.605 | 3.596 | 0.009 | 22930 | 4704.59 | 4700 |

Data File: gc5f4111.d

Date: 21-SEP-2009 09:26

Client ID: Instrument: BNAGC5.i

Sample Info: LCSD Operator: 615



# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

10/05/2009

TAL-4142 (0907)

| Client | Project Manager | Date | Chain of Custody Number |
|---|---|---|---|
| ARCADIS | DAWN PENNIMAN | 9/18/09 | 395563 |
| **Address** | **Telephone Number (Area Code)/Fax Number** | **Lab Number** | **Page 1 of 1** |
| 6723 TOWPATH RD | 315 - 446 - 9120 | | |
| **City** / **State** / **Zip Code** | **Site Contact** | **Lab Contact** | |
| SYRACUSE / NY / 13214 | Nate Bennett | | |
| **Project Name and Location (State)** | **Carrier/Waybill Number** | | |
| McKesson - Beech St. | | | |
| **Contract/Purchase Order/Quote No.** | | | |
| B0026003.0000.00010 | | | |

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed. | Soil | Containers & Preservatives: Unpres. | H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Analysis (Attach list if more space is needed): 8260B Aromatics VOC | 8270C SVOCs | 8015B Alcohol | Special Instructions/ Conditions of Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | #600350 6 |
| | | | | | | | | | | | | | | | | 5887 |
| MW-24DR | 9/18/09 | 0930 | | X | | | 5 | | | 3 | | | X | X | X | 1 |
| MW-24SR | 9/18/09 | 0915 | | X | | | 5 | | | 3 | | | X | X | X | 2 |
| TB | 9/18/09 | | | X | | | | | | X | | | X | | | 3 |

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**Possible Hazard Identification**
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

**Sample Disposal**
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

**Turn Around Time Required**
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other STANDARD

**QC Requirements (Specify)**

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| 1. Relinquished By: Nathan P. Sal | 9/18/09 | 1203 | 1. Received By: R. English, Syr | 09-18-09 | 12:03 |
| 2. Relinquished By: R. English | 09-18-09 | 18:00 | 2. Received By: C. Hall IC #68. | 9/19/09 | 11:35 |
| 3. Relinquished By: | Date | Time | 3. Received By: | Date | Time |

Comments

**DISTRIBUTION:** WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# Login Sample Receipt Check List

Client: ARCADIS

Job Number: 460-5887-1

**Login Number: 5887**

**List Source: TestAmerica Edison**

**Creator: Hall, Alonzo**

**List Number: 1**

| Question | T / F/ NA | Comment |
|---|---|---|
| Radioactivity either was not measured or, if measured, is at or below background | N/A | |
| The cooler's custody seal, if present, is intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 1°C |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Is the Field Sampler's name present on COC? | True | |
| Sample Preservation Verified | True | |