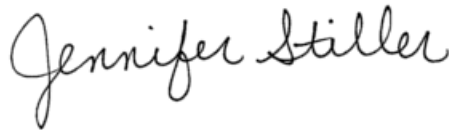


## ANALYTICAL REPORT

Job Number: 240-18735-1

Job Description: RVAAP - ECC

For:  
Environmental Chemical Corp.  
33 Boston Post Road West  
Suite 40  
Marlborough, MA 01752  
Attention: Mr. Jackson Kiker



Approved for release.  
Jennifer Stiller  
Project Mgmt. Assistant  
1/9/2013 4:21 PM

---

Designee for  
Mark J Loeb  
Project Manager II  
mark.loeb@testamericainc.com  
01/09/2013

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

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## **CASE NARRATIVE**

**Client: Environmental Chemical Corp.**

**Project: RVAAP - ECC**

**Report Number: 240-18735-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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.

TestAmerica utilizes USEPA approved methods and DOD QSM, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

All parameters for which TestAmerica North Canton has certification were evaluated to the limit of detection (LOD) and include qualified results where applicable. Parameters not certified under QSM, if any, were evaluated to the detection limit (DL) and include qualified results where applicable.

The sample(s) that contain constituents flagged with U are undetected. The result associated with this flag is the limit of detection (LOD).

### **RECEIPT**

The samples were received on 12/12/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 3.8° C, 4.0° C, 4.2° C and 4.6° C.

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

Sample 070-0060-0001-TB (240-18735-7) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were analyzed on 12/20/2012.

Methylene Chloride failed the recovery criteria low for MRL 240-69591/18. Bromoform failed the recovery criteria low for MRL 240-69591/5. Refer to the QC report for details.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

### **GASOLINE RANGE ORGANICS (GRO)**

Sample 070SB-0042M-0001-SO (240-18735-1) was analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were prepared on 12/12/2012 and analyzed on 12/23/2012.

Method(s) 5035: The frozen preserved vials for samples 070SB-0042M-0002-SO (240-18735-1 MSD) did not have the tare weight. The average tare weight of other vials in the job was used to determine weights for these samples.

No other difficulties were encountered during the GRO analysis.

All quality control parameters were within the acceptance limits.

**GASOLINE RANGE ORGANICS (GRO)**

Sample 070SB-0055-0001-TB (240-18735-2) was analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were analyzed on 12/22/2012.

No difficulties were encountered during the GRO analysis.

All quality control parameters were within the acceptance limits.

**HEXAVALENT CHROMIUM**

Samples 076SB-0119-0001-SO (240-18735-8), 076SB-0120-0001-SO (240-18735-9), 076SB-0121-0001-SO (240-18735-10), 076SB-0122-0001-SO (240-18735-11), 076SB-0123-0001-SO (240-18735-12), 076SB-0124-0001-SO (240-18735-13), 076SB-0125-0001-SO (240-18735-14), 076SB-0126-0001-SO (240-18735-15), 076SB-0127-0001-SO (240-18735-16), 076SB-0128-0001-SO (240-18735-17), 076SB-0129-0001-SO (240-18735-18), 076SB-0130-0001-SO (240-18735-19), 076SB-0131-0001-SO (240-18735-20), 076SB-0132-0001-SO (240-18735-21), 076SB-0133-0001-SO (240-18735-22), 076SB-0134-0001-SO (240-18735-23), 076SB-0135-0001-SO (240-18735-24) and 076SB-0136-0001-SO (240-18735-25) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 3060A/7196A. The samples were prepared on 12/31/2012 and analyzed on 01/02/2013.

No difficulties were encountered during the hexavalent chromium analyses.

All quality control parameters were within the acceptance limits.

**PERCENT SOLIDS**

Samples 070SB-0042M-0001-SO (240-18735-1), 076SB-0119-0001-SO (240-18735-8), 076SB-0120-0001-SO (240-18735-9), 076SB-0121-0001-SO (240-18735-10), 076SB-0122-0001-SO (240-18735-11), 076SB-0123-0001-SO (240-18735-12), 076SB-0124-0001-SO (240-18735-13), 076SB-0125-0001-SO (240-18735-14), 076SB-0126-0001-SO (240-18735-15), 076SB-0127-0001-SO (240-18735-16), 076SB-0128-0001-SO (240-18735-17), 076SB-0129-0001-SO (240-18735-18), 076SB-0130-0001-SO (240-18735-19), 076SB-0131-0001-SO (240-18735-20), 076SB-0132-0001-SO (240-18735-21), 076SB-0133-0001-SO (240-18735-22), 076SB-0134-0001-SO (240-18735-23), 076SB-0135-0001-SO (240-18735-24) and 076SB-0136-0001-SO (240-18735-25) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 12/13/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

## GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Instrument ID: YPID Analysis Batch Number: 69738Lab Sample ID: CCV 240-69738/50 Client Sample ID: \_\_\_\_\_Date Analyzed: 12/22/12 17:35 Lab File ID: YF122150.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME           | RETENTION<br>TIME | MANUAL INTEGRATION |           |                |
|-------------------------|-------------------|--------------------|-----------|----------------|
|                         |                   | REASON             | ANALYST   | DATE           |
| Trifluorotoluene (Surr) | 9.76              | Baseline Event     | bosworthh | 12/24/12 06:47 |

Lab Sample ID: CCV 240-69738/71 Client Sample ID: \_\_\_\_\_Date Analyzed: 12/23/12 06:55 Lab File ID: YF122171.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME           | RETENTION<br>TIME | MANUAL INTEGRATION |           |                |
|-------------------------|-------------------|--------------------|-----------|----------------|
|                         |                   | REASON             | ANALYST   | DATE           |
| Trifluorotoluene (Surr) | 9.76              | Baseline Event     | bosworthh | 12/24/12 06:51 |

## SAMPLE SUMMARY

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

| Lab Sample ID  | Client Sample ID    | Client Matrix | Date/Time<br>Sampled | Date/Time<br>Received |
|----------------|---------------------|---------------|----------------------|-----------------------|
| 240-18735-1    | 070SB-0042M-0001-SO | Solid         | 12/12/2012 1030      | 12/12/2012 1707       |
| 240-18735-1MS  | 070SB-0042M-0001-SO | Solid         | 12/12/2012 1030      | 12/12/2012 1707       |
| 240-18735-1MSD | 070SB-0042M-0001-SO | Solid         | 12/12/2012 1030      | 12/12/2012 1707       |
| 240-18735-1DU  | 070SB-0042M-0001-SO | Solid         | 12/12/2012 1030      | 12/12/2012 1707       |
| 240-18735-2    | 070SB-0055-0001-TB  | Water         | 12/12/2012 0800      | 12/12/2012 1707       |
| 240-18735-7    | 070-0060-0001-TB    | Water         | 12/12/2012 0800      | 12/12/2012 1707       |
| 240-18735-8    | 076SB-0119-0001-SO  | Solid         | 12/11/2012 0910      | 12/12/2012 1707       |
| 240-18735-9    | 076SB-0120-0001-SO  | Solid         | 12/11/2012 1120      | 12/12/2012 1707       |
| 240-18735-10   | 076SB-0121-0001-SO  | Solid         | 12/11/2012 1050      | 12/12/2012 1707       |
| 240-18735-11   | 076SB-0122-0001-SO  | Solid         | 12/11/2012 0930      | 12/12/2012 1707       |
| 240-18735-12   | 076SB-0123-0001-SO  | Solid         | 12/11/2012 0950      | 12/12/2012 1707       |
| 240-18735-13   | 076SB-0124-0001-SO  | Solid         | 12/11/2012 1015      | 12/12/2012 1707       |
| 240-18735-14   | 076SB-0125-0001-SO  | Solid         | 12/12/2012 1015      | 12/12/2012 1707       |
| 240-18735-14DU | 076SB-0125-0001-SO  | Solid         | 12/12/2012 1015      | 12/12/2012 1707       |
| 240-18735-15   | 076SB-0126-0001-SO  | Solid         | 12/11/2012 1555      | 12/12/2012 1707       |
| 240-18735-16   | 076SB-0127-0001-SO  | Solid         | 12/11/2012 1555      | 12/12/2012 1707       |
| 240-18735-17   | 076SB-0128-0001-SO  | Solid         | 12/11/2012 1520      | 12/12/2012 1707       |
| 240-18735-18   | 076SB-0129-0001-SO  | Solid         | 12/11/2012 1450      | 12/12/2012 1707       |
| 240-18735-19   | 076SB-0130-0001-SO  | Solid         | 12/12/2012 1049      | 12/12/2012 1707       |
| 240-18735-20   | 076SB-0131-0001-SO  | Solid         | 12/12/2012 1124      | 12/12/2012 1707       |
| 240-18735-21   | 076SB-0132-0001-SO  | Solid         | 12/11/2012 1225      | 12/12/2012 1707       |
| 240-18735-22   | 076SB-0133-0001-SO  | Solid         | 12/11/2012 1225      | 12/12/2012 1707       |
| 240-18735-23   | 076SB-0134-0001-SO  | Solid         | 12/11/2012 1315      | 12/12/2012 1707       |
| 240-18735-24   | 076SB-0135-0001-SO  | Solid         | 12/11/2012 1340      | 12/12/2012 1707       |
| 240-18735-25   | 076SB-0136-0001-SO  | Solid         | 12/11/2012 1410      | 12/12/2012 1707       |

## EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

| Lab Sample ID<br>Analyte | Client Sample ID           | Result | Qualifier | Reporting<br>Limit | Units | Method    |
|--------------------------|----------------------------|--------|-----------|--------------------|-------|-----------|
| <b>240-18735-1</b>       | <b>070SB-0042M-0001-SO</b> |        |           |                    |       |           |
| Percent Solids           |                            | 85     |           | 0.10               | %     | Moisture  |
| Percent Moisture         |                            | 15     |           | 0.10               | %     | Moisture  |
| <b>240-18735-2</b>       | <b>070SB-0055-0001-TB</b>  |        |           |                    |       |           |
| C6-C12                   |                            | 37     | J         | 100                | ug/L  | 8015B     |
| <b>240-18735-7</b>       | <b>070-0060-0001-TB</b>    |        |           |                    |       |           |
| Chloroform               |                            | 0.32   | J         | 1.0                | ug/L  | 8260B/DoD |
| <b>240-18735-8</b>       | <b>076SB-0119-0001-SO</b>  |        |           |                    |       |           |
| Percent Solids           |                            | 88     |           | 0.10               | %     | Moisture  |
| Percent Moisture         |                            | 12     |           | 0.10               | %     | Moisture  |
| <b>240-18735-9</b>       | <b>076SB-0120-0001-SO</b>  |        |           |                    |       |           |
| Cr (VI)                  |                            | 0.34   | J         | 0.91               | mg/Kg | 7196A     |
| Percent Solids           |                            | 87     |           | 0.10               | %     | Moisture  |
| Percent Moisture         |                            | 13     |           | 0.10               | %     | Moisture  |
| <b>240-18735-10</b>      | <b>076SB-0121-0001-SO</b>  |        |           |                    |       |           |
| Percent Solids           |                            | 89     |           | 0.10               | %     | Moisture  |
| Percent Moisture         |                            | 11     |           | 0.10               | %     | Moisture  |
| <b>240-18735-11</b>      | <b>076SB-0122-0001-SO</b>  |        |           |                    |       |           |
| Percent Solids           |                            | 85     |           | 0.10               | %     | Moisture  |
| Percent Moisture         |                            | 15     |           | 0.10               | %     | Moisture  |
| <b>240-18735-12</b>      | <b>076SB-0123-0001-SO</b>  |        |           |                    |       |           |
| Percent Solids           |                            | 87     |           | 0.10               | %     | Moisture  |
| Percent Moisture         |                            | 13     |           | 0.10               | %     | Moisture  |
| <b>240-18735-13</b>      | <b>076SB-0124-0001-SO</b>  |        |           |                    |       |           |
| Percent Solids           |                            | 87     |           | 0.10               | %     | Moisture  |
| Percent Moisture         |                            | 13     |           | 0.10               | %     | Moisture  |

## EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

| Lab Sample ID<br>Analyte | Client Sample ID          | Result | Qualifier | Reporting<br>Limit | Units | Method   |
|--------------------------|---------------------------|--------|-----------|--------------------|-------|----------|
| <b>240-18735-14</b>      | <b>076SB-0125-0001-SO</b> |        |           |                    |       |          |
| Percent Solids           |                           | 91     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 8.7    |           | 0.10               | %     | Moisture |
| <b>240-18735-15</b>      | <b>076SB-0126-0001-SO</b> |        |           |                    |       |          |
| Cr (VI)                  |                           | 0.31   | J         | 0.89               | mg/Kg | 7196A    |
| Percent Solids           |                           | 90     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 9.7    |           | 0.10               | %     | Moisture |
| <b>240-18735-16</b>      | <b>076SB-0127-0001-SO</b> |        |           |                    |       |          |
| Percent Solids           |                           | 90     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 10     |           | 0.10               | %     | Moisture |
| <b>240-18735-17</b>      | <b>076SB-0128-0001-SO</b> |        |           |                    |       |          |
| Percent Solids           |                           | 90     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 9.5    |           | 0.10               | %     | Moisture |
| <b>240-18735-18</b>      | <b>076SB-0129-0001-SO</b> |        |           |                    |       |          |
| Percent Solids           |                           | 90     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 10     |           | 0.10               | %     | Moisture |
| <b>240-18735-19</b>      | <b>076SB-0130-0001-SO</b> |        |           |                    |       |          |
| Percent Solids           |                           | 91     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 8.6    |           | 0.10               | %     | Moisture |
| <b>240-18735-20</b>      | <b>076SB-0131-0001-SO</b> |        |           |                    |       |          |
| Percent Solids           |                           | 92     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 8.5    |           | 0.10               | %     | Moisture |
| <b>240-18735-21</b>      | <b>076SB-0132-0001-SO</b> |        |           |                    |       |          |
| Percent Solids           |                           | 81     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 19     |           | 0.10               | %     | Moisture |
| <b>240-18735-22</b>      | <b>076SB-0133-0001-SO</b> |        |           |                    |       |          |
| Cr (VI)                  |                           | 0.39   | J         | 0.98               | mg/Kg | 7196A    |
| Percent Solids           |                           | 81     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 19     |           | 0.10               | %     | Moisture |

## EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

| Lab Sample ID<br>Analyte | Client Sample ID          | Result | Qualifier | Reporting<br>Limit | Units | Method   |
|--------------------------|---------------------------|--------|-----------|--------------------|-------|----------|
| <b>240-18735-23</b>      | <b>076SB-0134-0001-SO</b> |        |           |                    |       |          |
| Cr (VI)                  |                           | 0.37   | J         | 0.91               | mg/Kg | 7196A    |
| Percent Solids           |                           | 88     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 12     |           | 0.10               | %     | Moisture |
| <b>240-18735-24</b>      | <b>076SB-0135-0001-SO</b> |        |           |                    |       |          |
| Percent Solids           |                           | 87     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 13     |           | 0.10               | %     | Moisture |
| <b>240-18735-25</b>      | <b>076SB-0136-0001-SO</b> |        |           |                    |       |          |
| Percent Solids           |                           | 87     |           | 0.10               | %     | Moisture |
| Percent Moisture         |                           | 13     |           | 0.10               | %     | Moisture |

## METHOD SUMMARY

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

| Description                               | Lab Location | Method          | Preparation Method |
|-------------------------------------------|--------------|-----------------|--------------------|
| <b>Matrix: Solid</b>                      |              |                 |                    |
| Gasoline Range Organics - (GC)            | TAL NC       | SW846 8015B     |                    |
| Closed System Purge and Trap              | TAL NC       |                 | SW846 5035         |
| Chromium, Hexavalent                      | TAL NC       | SW846 7196A     |                    |
| Alkaline Digestion (Chromium, Hexavalent) | TAL NC       |                 | SW846 3060A        |
| Percent Moisture                          | TAL NC       | EPA Moisture    |                    |
| <b>Matrix: Water</b>                      |              |                 |                    |
| Volatile Organic Compounds (GC/MS)        | TAL NC       | SW846 8260B/DoD |                    |
| Purge and Trap                            | TAL NC       |                 | SW846 5030B        |
| Gasoline Range Organics - (GC)            | TAL NC       | SW846 8015B     |                    |
| Purge and Trap                            | TAL NC       |                 | SW846 5030B        |

### Lab References:

TAL NC = TestAmerica Canton

### Method References:

EPA = US Environmental Protection Agency

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



## METHOD / ANALYST SUMMARY

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

| Method          | Analyst             | Analyst ID |
|-----------------|---------------------|------------|
| SW846 8260B/DoD | Quayle, Rick        | RQ         |
| SW846 8015B     | Bosworth, Heather M | HMB        |
| SW846 7196A     | Grossman, Lucas     | LG         |
| EPA Moisture    | Harshman, Tom       | TH         |

# Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

Client Sample ID: 070-0060-0001-TB

Lab Sample ID: 240-18735-7

Date Sampled: 12/12/2012 0800

Client Matrix: Water

Date Received: 12/12/2012 1707

## 8260B/DoD Volatile Organic Compounds (GC/MS)

|                  |                 |                 |           |                        |           |
|------------------|-----------------|-----------------|-----------|------------------------|-----------|
| Analysis Method: | 8260B/DoD       | Analysis Batch: | 240-69591 | Instrument ID:         | A3UX10    |
| Prep Method:     | 5030B           | Prep Batch:     | N/A       | Lab File ID:           | UXX1599.D |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 5 mL      |
| Analysis Date:   | 12/20/2012 1637 |                 |           | Final Weight/Volume:   | 5 mL      |
| Prep Date:       | 12/20/2012 1637 |                 |           |                        |           |

| Analyte                      | Result (ug/L) | Qualifier | DL                | LOQ |
|------------------------------|---------------|-----------|-------------------|-----|
| 1,1,1-Trichloroethane        | 0.25          | U         | 0.22              | 1.0 |
| 1,1,2,2-Tetrachloroethane    | 0.25          | U         | 0.18              | 1.0 |
| 1,1,2-Trichloroethane        | 0.50          | U         | 0.27              | 1.0 |
| 1,1-Dichloroethane           | 0.25          | U         | 0.15              | 1.0 |
| 1,1-Dichloroethene           | 0.25          | U         | 0.19              | 1.0 |
| 1,2-Dichloroethane           | 0.25          | U         | 0.22              | 1.0 |
| 1,2-Dichloroethene, Total    | 0.50          | U         | 0.34              | 2.0 |
| 1,2-Dichloropropane          | 0.25          | U         | 0.18              | 1.0 |
| 2-Butanone (MEK)             | 0.57          | U         | 0.57              | 10  |
| 2-Hexanone                   | 0.50          | U         | 0.41              | 10  |
| 4-Methyl-2-pentanone (MIBK)  | 0.50          | U         | 0.32              | 10  |
| Acetone                      | 1.1           | U         | 1.1               | 10  |
| Benzene                      | 0.25          | U         | 0.13              | 1.0 |
| Bromoform                    | 0.64          | U         | 0.64              | 1.0 |
| Bromomethane                 | 0.50          | U         | 0.41              | 1.0 |
| Carbon disulfide             | 0.25          | U         | 0.13              | 1.0 |
| Carbon tetrachloride         | 0.25          | U         | 0.13              | 1.0 |
| Chlorobenzene                | 0.25          | U         | 0.15              | 1.0 |
| Chloromethane                | 0.50          | U         | 0.30              | 1.0 |
| cis-1,3-Dichloropropene      | 0.25          | U         | 0.14              | 1.0 |
| Dibromochloromethane         | 0.25          | U         | 0.18              | 1.0 |
| Bromodichloromethane         | 0.25          | U         | 0.15              | 1.0 |
| Ethylbenzene                 | 0.25          | U         | 0.17              | 1.0 |
| Methyl tert-butyl ether      | 0.25          | U         | 0.17              | 1.0 |
| Methylene Chloride           | 0.50          | U         | 0.33              | 1.0 |
| Styrene                      | 0.25          | U         | 0.11              | 1.0 |
| Tetrachloroethene            | 0.50          | U         | 0.29              | 1.0 |
| Toluene                      | 0.25          | U         | 0.13              | 1.0 |
| trans-1,3-Dichloropropene    | 0.25          | U         | 0.19              | 1.0 |
| Trichloroethene              | 0.25          | U         | 0.17              | 1.0 |
| Vinyl chloride               | 0.25          | U         | 0.22              | 1.0 |
| Xylenes, Total               | 0.75          | U         | 0.28              | 2.0 |
| Chloroform                   | 0.32          | J         | 0.16              | 1.0 |
| Bromochloromethane           | 0.50          | U         | 0.29              | 1.0 |
| 1,2-Dibromoethane            | 0.25          | U         | 0.24              | 1.0 |
| Chloroethane                 | 0.50          | U         | 0.29              | 1.0 |
| Surrogate                    | %Rec          | Qualifier | Acceptance Limits |     |
| Toluene-d8 (Surr)            | 92            |           | 85 - 120          |     |
| 1,2-Dichloroethane-d4 (Surr) | 95            |           | 70 - 120          |     |
| 4-Bromofluorobenzene (Surr)  | 89            |           | 75 - 120          |     |
| Dibromofluoromethane (Surr)  | 104           |           | 85 - 115          |     |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

**Client Sample ID: 070SB-0042M-0001-SO**

Lab Sample ID: 240-18735-1

Date Sampled: 12/12/2012 1030

Client Matrix: Solid

% Moisture: 15.1

Date Received: 12/12/2012 1707

**8015B Gasoline Range Organics - (GC)**

Analysis Method: 8015B

Analysis Batch: 240-69738

Instrument ID: YPID

Prep Method: 5035

Prep Batch: 240-69885

Initial Weight/Volume: 5.999 g

Dilution: 1.0

Final Weight/Volume: 5 mL

Analysis Date: 12/23/2012 0733

Injection Volume:

Prep Date: 12/12/2012 2210

Result Type: PRIMARY

| Analyte | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | DL | LOQ |
|---------|--------------------|----------------|-----------|----|-----|
| C6-C12  |                    | 49             | U         | 45 | 98  |

| Surrogate               | %Rec | Qualifier | Acceptance Limits |
|-------------------------|------|-----------|-------------------|
| Trifluorotoluene (Surr) | 43   |           | 10 - 150          |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

**Client Sample ID: 070SB-0055-0001-TB**

Lab Sample ID: 240-18735-2

Date Sampled: 12/12/2012 0800

Client Matrix: Water

Date Received: 12/12/2012 1707

**8015B Gasoline Range Organics - (GC)**

Analysis Method: 8015B

Analysis Batch: 240-69738

Instrument ID: YPID

Prep Method: 5030B

N/A

Initial Weight/Volume: 5 mL

Dilution: 1.0

Final Weight/Volume: 5 mL

Analysis Date: 12/22/2012 1541

Injection Volume:

Prep Date: 12/22/2012 1541

Result Type: PRIMARY

| Analyte | Result (ug/L) | Qualifier | DL | LOQ |
|---------|---------------|-----------|----|-----|
| C6-C12  | 37            | J         | 25 | 100 |

| Surrogate               | %Rec | Qualifier | Acceptance Limits |
|-------------------------|------|-----------|-------------------|
| Trifluorotoluene (Surr) | 86   |           | 10 - 150          |

## Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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### General Chemistry

Client Sample ID: 070SB-0042M-0001-SO

Lab Sample ID: 240-18735-1

Date Sampled: 12/12/2012 1030

Client Matrix: Solid

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Percent Solids   | 85                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 15                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0119-0001-SO

Lab Sample ID: 240-18735-8

Date Sampled: 12/11/2012 0910

Client Matrix: Solid

% Moisture: 12.5

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.91                      | U                              | mg/Kg | 0.31 | 0.91 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1253 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 88                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1344 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 12                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1344 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0120-0001-SO

Lab Sample ID: 240-18735-9

Date Sampled: 12/11/2012 1120

Client Matrix: Solid

% Moisture: 12.5

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.34                      | J                              | mg/Kg | 0.31 | 0.91 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1254 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 87                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 13                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0121-0001-SO

Lab Sample ID: 240-18735-10

Date Sampled: 12/11/2012 1050

Client Matrix: Solid

% Moisture: 11.1

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.90                      | U                              | mg/Kg | 0.30 | 0.90 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1257 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 89                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 11                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |



**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0122-0001-SO

Lab Sample ID: 240-18735-11

Date Sampled: 12/11/2012 0930

Client Matrix: Solid

% Moisture: 15.1

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.94                      | U                              | mg/Kg | 0.32 | 0.94 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1257 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 85                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 15                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0123-0001-SO

Lab Sample ID: 240-18735-12

Date Sampled: 12/11/2012 0950

Client Matrix: Solid

% Moisture: 13.5

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.92                      | U                              | mg/Kg | 0.31 | 0.92 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1311 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 87                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 13                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0124-0001-SO

Lab Sample ID: 240-18735-13

Date Sampled: 12/11/2012 1015

Client Matrix: Solid

% Moisture: 13.5

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.92                      | U                              | mg/Kg | 0.31 | 0.92 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1311 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 87                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 13                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0125-0001-SO

Lab Sample ID: 240-18735-14

Date Sampled: 12/12/2012 1015

Client Matrix: Solid

% Moisture: 8.7

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.88                      | U                              | mg/Kg | 0.30 | 0.88 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1315 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 91                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 8.7                       |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0126-0001-SO

Lab Sample ID: 240-18735-15

Date Sampled: 12/11/2012 1555

Client Matrix: Solid

% Moisture: 9.7

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.31                      | J                              | mg/Kg | 0.30 | 0.89 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1317 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 90                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 9.7                       |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0127-0001-SO

Lab Sample ID: 240-18735-16

Date Sampled: 12/11/2012 1555

Client Matrix: Solid

% Moisture: 10.1

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.89                      | U                              | mg/Kg | 0.30 | 0.89 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1318 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 90                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 10                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0128-0001-SO

Lab Sample ID: 240-18735-17

Date Sampled: 12/11/2012 1520

Client Matrix: Solid

% Moisture: 9.5

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.88                      | U                              | mg/Kg | 0.30 | 0.88 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1326 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 90                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 9.5                       |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0129-0001-SO

Lab Sample ID: 240-18735-18

Date Sampled: 12/11/2012 1450

Client Matrix: Solid

% Moisture: 10.1

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.89                      | U                              | mg/Kg | 0.30 | 0.89 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1330 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 90                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 10                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |



**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0130-0001-SO

Lab Sample ID: 240-18735-19

Date Sampled: 12/12/2012 1049

Client Matrix: Solid

% Moisture: 8.6

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.88                      | U                              | mg/Kg | 0.30 | 0.88 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1333 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 91                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 8.6                       |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0131-0001-SO

Lab Sample ID: 240-18735-20

Date Sampled: 12/12/2012 1124

Client Matrix: Solid

% Moisture: 8.5

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.87                      | U                              | mg/Kg | 0.29 | 0.87 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1334 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 92                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 8.5                       |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0132-0001-SO

Lab Sample ID: 240-18735-21

Date Sampled: 12/11/2012 1225

Client Matrix: Solid

% Moisture: 19.0

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.99                      | U                              | mg/Kg | 0.33 | 0.99 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1337 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 81                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 19                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0133-0001-SO

Lab Sample ID: 240-18735-22

Date Sampled: 12/11/2012 1225

Client Matrix: Solid

% Moisture: 18.8

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.39                      | J                              | mg/Kg | 0.33 | 0.98 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1338 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 81                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 19                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0134-0001-SO

Lab Sample ID: 240-18735-23

Date Sampled: 12/11/2012 1315

Client Matrix: Solid

% Moisture: 11.6

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.37                      | J                              | mg/Kg | 0.31 | 0.91 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1343 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 88                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 12                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID:** 076SB-0135-0001-SO

Lab Sample ID: 240-18735-24

Date Sampled: 12/11/2012 1340

Client Matrix: Solid

% Moisture: 13.2

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.92                      | U                              | mg/Kg | 0.31 | 0.92 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1343 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 87                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 13                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1213 |       |      |      |     | DryWt Corrected: N |

**Analytical Data**

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

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**General Chemistry****Client Sample ID: 076SB-0136-0001-SO**

Lab Sample ID: 240-18735-25

Date Sampled: 12/11/2012 1410

Client Matrix: Solid

% Moisture: 13.5

Date Received: 12/12/2012 1707

| Analyte          | Result                    | Qual                           | Units | DL   | LOQ  | Dil | Method             |
|------------------|---------------------------|--------------------------------|-------|------|------|-----|--------------------|
| Cr (VI)          | 0.92                      | U                              | mg/Kg | 0.31 | 0.92 | 1.0 | 7196A              |
|                  | Analysis Batch: 240-70884 | Analysis Date: 01/02/2013 1347 |       |      |      |     | DryWt Corrected: Y |
|                  | Prep Batch: 240-70771     | Prep Date: 12/31/2012 1331     |       |      |      |     |                    |
| Percent Solids   | 87                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1344 |       |      |      |     | DryWt Corrected: N |
| Percent Moisture | 13                        |                                | %     | 0.10 | 0.10 | 1.0 | Moisture           |
|                  | Analysis Batch: 240-68573 | Analysis Date: 12/13/2012 1344 |       |      |      |     | DryWt Corrected: N |

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

**Surrogate Recovery Report****8260B/DoD Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

| Lab Sample ID    | Client Sample ID | DBFM<br>%Rec | DCA<br>%Rec | TOL<br>%Rec | BFB<br>%Rec |
|------------------|------------------|--------------|-------------|-------------|-------------|
| MRL 240-69591/5  |                  | 99           | 88          | 97          | 97          |
| MRL 240-69591/18 |                  | 98           | 92          | 99          | 101         |

| Surrogate                          | Acceptance Limits |
|------------------------------------|-------------------|
| DBFM = Dibromofluoromethane (Surr) | 50-150            |
| DCA = 1,2-Dichloroethane-d4 (Surr) | 50-150            |
| TOL = Toluene-d8 (Surr)            | 50-150            |
| BFB = 4-Bromofluorobenzene (Surr)  | 50-150            |



Client: Environmental Chemical Corp.

Job Number: 240-18735-1

**Surrogate Recovery Report****8260B/DoD Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

| Lab Sample ID   | Client Sample ID | DBFM<br>%Rec | DCA<br>%Rec | TOL<br>%Rec | BFB<br>%Rec |
|-----------------|------------------|--------------|-------------|-------------|-------------|
| 240-18735-7     | 070-0060-0001-TB | 104          | 95          | 92          | 89          |
| MB 240-69591/6  |                  | 99           | 91          | 95          | 91          |
| LCS 240-69591/4 |                  | 98           | 90          | 98          | 107         |

| Surrogate                          | Acceptance Limits |
|------------------------------------|-------------------|
| DBFM = Dibromofluoromethane (Surr) | 85-115            |
| DCA = 1,2-Dichloroethane-d4 (Surr) | 70-120            |
| TOL = Toluene-d8 (Surr)            | 85-120            |
| BFB = 4-Bromofluorobenzene (Surr)  | 75-120            |

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

**Surrogate Recovery Report****8015B Gasoline Range Organics - (GC)****Client Matrix: Solid**

| Lab Sample ID    | Client Sample ID            | TFT1<br>%Rec |
|------------------|-----------------------------|--------------|
| 240-18735-1      | 070SB-0042M-0001-S<br>O     | 43           |
| MB 240-69738/52  |                             | 89           |
| LCS 240-69738/53 |                             | 101          |
| 240-18735-1 MS   | 070SB-0042M-0001-S<br>O MS  | 63           |
| 240-18735-1 MSD  | 070SB-0042M-0001-S<br>O MSD | 64           |

Surrogate

Acceptance Limits

TFT = Trifluorotoluene (Surr)

10-150

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

## Surrogate Recovery Report

### 8015B Gasoline Range Organics - (GC)

#### Client Matrix: Solid

| Lab Sample ID    | Client Sample ID | TFT1<br>%Rec |
|------------------|------------------|--------------|
| MRL 240-69738/51 |                  | 85           |
| MRL 240-69738/76 |                  | 84           |

| Surrogate                     | Acceptance Limits |
|-------------------------------|-------------------|
| TFT = Trifluorotoluene (Surr) | 70-130            |

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

## Surrogate Recovery Report

### 8015B Gasoline Range Organics - (GC)

#### Client Matrix: Water

| Lab Sample ID    | Client Sample ID   | TFT1<br>%Rec |
|------------------|--------------------|--------------|
| 240-18735-2      | 070SB-0055-0001-TB | 86           |
| MB 240-69738/36  |                    | 76           |
| LCS 240-69738/37 |                    | 92           |

| Surrogate                     | Acceptance Limits |
|-------------------------------|-------------------|
| TFT = Trifluorotoluene (Surr) | 10-150            |

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

## Surrogate Recovery Report

### 8015B Gasoline Range Organics - (GC)

#### Client Matrix: Water

| Lab Sample ID    | Client Sample ID | TFT1<br>%Rec |
|------------------|------------------|--------------|
| MRL 240-69738/35 |                  | 85           |

| Surrogate                     | Acceptance Limits |
|-------------------------------|-------------------|
| TFT = Trifluorotoluene (Surr) | 70-130            |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Method Blank - Batch: 240-69591

### Method: 8260B/DoD Preparation: 5030B

|                |                 |                 |           |                        |           |
|----------------|-----------------|-----------------|-----------|------------------------|-----------|
| Lab Sample ID: | MB 240-69591/6  | Analysis Batch: | 240-69591 | Instrument ID:         | A3UX10    |
| Client Matrix: | Water           | Prep Batch:     | N/A       | Lab File ID:           | UXX1590.D |
| Dilution:      | 1.0             | Leach Batch:    | N/A       | Initial Weight/Volume: | 5 mL      |
| Analysis Date: | 12/20/2012 1305 | Units:          | ug/L      | Final Weight/Volume:   | 5 mL      |
| Prep Date:     | 12/20/2012 1305 |                 |           |                        |           |
| Leach Date:    | N/A             |                 |           |                        |           |

| Analyte                     | Result | Qual | DL   | LOQ |
|-----------------------------|--------|------|------|-----|
| 1,1,1-Trichloroethane       | 0.25   | U    | 0.22 | 1.0 |
| 1,1,2,2-Tetrachloroethane   | 0.25   | U    | 0.18 | 1.0 |
| 1,1,2-Trichloroethane       | 0.50   | U    | 0.27 | 1.0 |
| 1,1-Dichloroethane          | 0.25   | U    | 0.15 | 1.0 |
| 1,1-Dichloroethene          | 0.25   | U    | 0.19 | 1.0 |
| 1,2-Dichloroethane          | 0.25   | U    | 0.22 | 1.0 |
| 1,2-Dichloroethene, Total   | 0.50   | U    | 0.34 | 2.0 |
| 1,2-Dichloropropane         | 0.25   | U    | 0.18 | 1.0 |
| 2-Butanone (MEK)            | 0.57   | U    | 0.57 | 10  |
| 2-Hexanone                  | 0.50   | U    | 0.41 | 10  |
| 4-Methyl-2-pentanone (MIBK) | 0.50   | U    | 0.32 | 10  |
| Acetone                     | 1.1    | U    | 1.1  | 10  |
| Benzene                     | 0.25   | U    | 0.13 | 1.0 |
| Bromoform                   | 0.64   | U    | 0.64 | 1.0 |
| Bromomethane                | 0.50   | U    | 0.41 | 1.0 |
| Carbon disulfide            | 0.25   | U    | 0.13 | 1.0 |
| Carbon tetrachloride        | 0.25   | U    | 0.13 | 1.0 |
| Chlorobenzene               | 0.25   | U    | 0.15 | 1.0 |
| Chloromethane               | 0.50   | U    | 0.30 | 1.0 |
| cis-1,3-Dichloropropene     | 0.25   | U    | 0.14 | 1.0 |
| Dibromochloromethane        | 0.25   | U    | 0.18 | 1.0 |
| Bromodichloromethane        | 0.25   | U    | 0.15 | 1.0 |
| Ethylbenzene                | 0.25   | U    | 0.17 | 1.0 |
| Methyl tert-butyl ether     | 0.25   | U    | 0.17 | 1.0 |
| Methylene Chloride          | 0.50   | U    | 0.33 | 1.0 |
| Styrene                     | 0.25   | U    | 0.11 | 1.0 |
| Tetrachloroethene           | 0.50   | U    | 0.29 | 1.0 |
| Toluene                     | 0.25   | U    | 0.13 | 1.0 |
| trans-1,3-Dichloropropene   | 0.25   | U    | 0.19 | 1.0 |
| Trichloroethene             | 0.25   | U    | 0.17 | 1.0 |
| Vinyl chloride              | 0.25   | U    | 0.22 | 1.0 |
| Xylenes, Total              | 0.75   | U    | 0.28 | 2.0 |
| Chloroform                  | 0.25   | U    | 0.16 | 1.0 |
| Bromochloromethane          | 0.50   | U    | 0.29 | 1.0 |
| 1,2-Dibromoethane           | 0.25   | U    | 0.24 | 1.0 |
| Chloroethane                | 0.50   | U    | 0.29 | 1.0 |

| Surrogate                    | % Rec | Acceptance Limits |
|------------------------------|-------|-------------------|
| Toluene-d8 (Surr)            | 95    | 85 - 120          |
| 1,2-Dichloroethane-d4 (Surr) | 91    | 70 - 120          |
| 4-Bromofluorobenzene (Surr)  | 91    | 75 - 120          |
| Dibromofluoromethane (Surr)  | 99    | 85 - 115          |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Lab Control Sample - Batch: 240-69591

Method: 8260B/DoD

Preparation: 5030B

Lab Sample ID: LCS 240-69591/4  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 12/20/2012 1221  
 Prep Date: 12/20/2012 1221  
 Leach Date: N/A

Analysis Batch: 240-69591  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: A3UX10  
 Lab File ID: UXX1588.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

| Analyte                      | Spike Amount | Result | % Rec.            | Limit    | Qual |
|------------------------------|--------------|--------|-------------------|----------|------|
| 1,1,1-Trichloroethane        | 10.0         | 9.73   | 97                | 65 - 130 |      |
| 1,1,2,2-Tetrachloroethane    | 10.0         | 8.20   | 82                | 65 - 130 |      |
| 1,1,2-Trichloroethane        | 10.0         | 9.41   | 94                | 75 - 125 |      |
| 1,1-Dichloroethane           | 10.0         | 9.80   | 98                | 70 - 135 |      |
| 1,1-Dichloroethene           | 10.0         | 9.70   | 97                | 70 - 130 |      |
| 1,2-Dichloroethane           | 10.0         | 9.38   | 94                | 70 - 130 |      |
| 1,2-Dichloropropane          | 10.0         | 9.91   | 99                | 75 - 125 |      |
| 2-Butanone (MEK)             | 20.0         | 18.0   | 90                | 30 - 150 |      |
| 2-Hexanone                   | 20.0         | 17.6   | 88                | 55 - 130 |      |
| 4-Methyl-2-pentanone (MIBK)  | 20.0         | 19.8   | 99                | 60 - 135 |      |
| Acetone                      | 20.0         | 20.6   | 103               | 40 - 140 |      |
| Benzene                      | 10.0         | 9.74   | 97                | 80 - 120 |      |
| Bromoform                    | 10.0         | 8.65   | 86                | 70 - 130 |      |
| Bromomethane                 | 10.0         | 8.59   | 86                | 30 - 145 |      |
| Carbon disulfide             | 10.0         | 10.2   | 102               | 35 - 160 |      |
| Carbon tetrachloride         | 10.0         | 9.96   | 100               | 65 - 140 |      |
| Chlorobenzene                | 10.0         | 9.56   | 96                | 80 - 120 |      |
| Chloromethane                | 10.0         | 8.62   | 86                | 40 - 125 |      |
| cis-1,3-Dichloropropene      | 10.0         | 9.52   | 95                | 70 - 130 |      |
| Dibromochloromethane         | 10.0         | 9.25   | 92                | 60 - 135 |      |
| Bromodichloromethane         | 10.0         | 9.81   | 98                | 75 - 120 |      |
| Ethylbenzene                 | 10.0         | 9.95   | 100               | 75 - 125 |      |
| Methyl tert-butyl ether      | 10.0         | 9.55   | 96                | 65 - 125 |      |
| Methylene Chloride           | 10.0         | 9.92   | 99                | 55 - 140 |      |
| Styrene                      | 10.0         | 10.1   | 101               | 65 - 135 |      |
| Tetrachloroethene            | 10.0         | 9.89   | 99                | 45 - 150 |      |
| Toluene                      | 10.0         | 9.48   | 95                | 75 - 120 |      |
| trans-1,3-Dichloropropene    | 10.0         | 8.78   | 88                | 55 - 140 |      |
| Trichloroethene              | 10.0         | 10.2   | 102               | 70 - 125 |      |
| Vinyl chloride               | 10.0         | 8.84   | 88                | 50 - 145 |      |
| Xylenes, Total               | 30.0         | 30.2   | 101               | 75 - 130 |      |
| Chloroform                   | 10.0         | 9.19   | 92                | 65 - 135 |      |
| Bromochloromethane           | 10.0         | 9.74   | 97                | 65 - 130 |      |
| Chloroethane                 | 10.0         | 9.33   | 93                | 60 - 135 |      |
| Surrogate                    | % Rec        |        | Acceptance Limits |          |      |
| Toluene-d8 (Surr)            | 98           |        | 85 - 120          |          |      |
| 1,2-Dichloroethane-d4 (Surr) | 90           |        | 70 - 120          |          |      |
| 4-Bromofluorobenzene (Surr)  | 107          |        | 75 - 120          |          |      |
| Dibromofluoromethane (Surr)  | 98           |        | 85 - 115          |          |      |

# Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

## Method Reporting Limit Check - Batch: 240-69591

Method: 8260B/DoD  
Preparation: 5030B

Lab Sample ID: MRL 240-69591/5  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 12/20/2012 1243  
Prep Date: 12/20/2012 1243  
Leach Date: N/A

Analysis Batch: 240-69591  
Prep Batch: N/A  
Leach Batch: N/A  
Units: ng/uL

Instrument ID: A3UX10  
Lab File ID: UXX1589.D  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte                      | Spike Amount | Result   | % Rec.            | Limit    | Qual |
|------------------------------|--------------|----------|-------------------|----------|------|
| 1,1,1-Trichloroethane        | 0.00100      | 0.000965 | 97                | 70 - 130 | J    |
| 1,1,2,2-Tetrachloroethane    | 0.00100      | 0.000928 | 93                | 70 - 130 | J    |
| 1,1,2-Trichloroethane        | 0.00100      | 0.000894 | 89                | 70 - 130 | J    |
| 1,1-Dichloroethane           | 0.00100      | 0.000865 | 86                | 70 - 130 | J    |
| 1,1-Dichloroethene           | 0.00100      | 0.000938 | 94                | 70 - 130 | J    |
| 1,2-Dichloroethane           | 0.00100      | 0.000901 | 90                | 70 - 130 | J    |
| 1,2-Dichloropropane          | 0.00100      | 0.000908 | 91                | 70 - 130 | J    |
| 2-Butanone (MEK)             | 0.0100       | 0.00922  | 92                | 70 - 130 | J    |
| 2-Hexanone                   | 0.0100       | 0.00828  | 83                | 70 - 130 | J    |
| 4-Methyl-2-pentanone (MIBK)  | 0.0100       | 0.00899  | 90                | 70 - 130 | J    |
| Acetone                      | 0.0100       | 0.00910  | 91                | 70 - 130 | J    |
| Benzene                      | 0.00100      | 0.000979 | 98                | 70 - 130 | J    |
| Bromoform                    | 0.00100      | 0.000679 | 68                | 70 - 130 | J ^  |
| Bromomethane                 | 0.00100      | 0.00103  | 103               | 70 - 130 |      |
| Carbon disulfide             | 0.00100      | 0.00102  | 102               | 70 - 130 |      |
| Carbon tetrachloride         | 0.00100      | 0.000896 | 90                | 70 - 130 | J    |
| Chlorobenzene                | 0.00100      | 0.000910 | 91                | 70 - 130 | J    |
| Chloromethane                | 0.00100      | 0.000961 | 96                | 70 - 130 | J    |
| cis-1,3-Dichloropropene      | 0.00100      | 0.000779 | 78                | 70 - 130 | J    |
| Dibromochloromethane         | 0.00100      | 0.000754 | 75                | 70 - 130 | J    |
| Bromodichloromethane         | 0.00100      | 0.000865 | 86                | 70 - 130 | J    |
| Ethylbenzene                 | 0.00100      | 0.000799 | 80                | 70 - 130 | J    |
| Methyl tert-butyl ether      | 0.00100      | 0.000889 | 89                | 70 - 130 | J    |
| Methylene Chloride           | 0.00100      | 0.00105  | 105               | 70 - 130 |      |
| Styrene                      | 0.00100      | 0.000737 | 74                | 70 - 130 | J    |
| Tetrachloroethene            | 0.00100      | 0.000980 | 98                | 70 - 130 | J    |
| Toluene                      | 0.00100      | 0.000959 | 96                | 70 - 130 | J    |
| trans-1,3-Dichloropropene    | 0.00100      | 0.000696 | 70                | 70 - 130 | J    |
| Trichloroethene              | 0.00100      | 0.000960 | 96                | 70 - 130 | J    |
| Vinyl chloride               | 0.00100      | 0.000959 | 96                | 70 - 130 | J    |
| Xylenes, Total               | 0.00300      | 0.00253  | 84                | 70 - 130 |      |
| Chloroform                   | 0.00100      | 0.000918 | 92                | 70 - 130 | J    |
| Bromochloromethane           | 0.00100      | 0.000922 | 92                | 70 - 130 | J    |
| Chloroethane                 | 0.00100      | 0.000981 | 98                | 70 - 130 | J    |
| Surrogate                    | % Rec        |          | Acceptance Limits |          |      |
| Toluene-d8 (Surr)            | 97           |          | 50 - 150          |          |      |
| 1,2-Dichloroethane-d4 (Surr) | 88           |          | 50 - 150          |          |      |
| 4-Bromofluorobenzene (Surr)  | 97           |          | 50 - 150          |          |      |
| Dibromofluoromethane (Surr)  | 99           |          | 50 - 150          |          |      |



## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Method Reporting Limit Check - Batch: 240-69591

Method: 8260B/DoD  
Preparation: 5030B

Lab Sample ID: MRL 240-69591/18  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 12/20/2012 1742  
Prep Date: 12/20/2012 1742  
Leach Date: N/A

Analysis Batch: 240-69591  
Prep Batch: N/A  
Leach Batch: N/A  
Units: ng/uL

Instrument ID: A3UX10  
Lab File ID: UXX1602.D  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte                      | Spike Amount | Result   | % Rec.            | Limit    | Qual |
|------------------------------|--------------|----------|-------------------|----------|------|
| 1,1,1-Trichloroethane        | 0.00100      | 0.000975 | 98                | 70 - 130 | J    |
| 1,1,2,2-Tetrachloroethane    | 0.00100      | 0.000914 | 91                | 70 - 130 | J    |
| 1,1,2-Trichloroethane        | 0.00100      | 0.000955 | 96                | 70 - 130 | J    |
| 1,1-Dichloroethane           | 0.00100      | 0.000967 | 97                | 70 - 130 | J    |
| 1,1-Dichloroethene           | 0.00100      | 0.000977 | 98                | 70 - 130 | J    |
| 1,2-Dichloroethane           | 0.00100      | 0.00101  | 101               | 70 - 130 |      |
| 1,2-Dichloropropane          | 0.00100      | 0.000992 | 99                | 70 - 130 | J    |
| 2-Butanone (MEK)             | 0.0100       | 0.00903  | 90                | 70 - 130 | J    |
| 2-Hexanone                   | 0.0100       | 0.00856  | 86                | 70 - 130 | J    |
| 4-Methyl-2-pentanone (MIBK)  | 0.0100       | 0.00853  | 85                | 70 - 130 | J    |
| Acetone                      | 0.0100       | 0.00944  | 94                | 70 - 130 | J    |
| Benzene                      | 0.00100      | 0.00101  | 101               | 70 - 130 |      |
| Bromoform                    | 0.00100      | 0.000816 | 82                | 70 - 130 | J    |
| Bromomethane                 | 0.00100      | 0.00119  | 119               | 70 - 130 |      |
| Carbon disulfide             | 0.00100      | 0.00103  | 103               | 70 - 130 |      |
| Carbon tetrachloride         | 0.00100      | 0.000881 | 88                | 70 - 130 | J    |
| Chlorobenzene                | 0.00100      | 0.000975 | 98                | 70 - 130 | J    |
| Chloromethane                | 0.00100      | 0.00109  | 109               | 70 - 130 |      |
| cis-1,3-Dichloropropene      | 0.00100      | 0.000806 | 81                | 70 - 130 | J    |
| Dibromochloromethane         | 0.00100      | 0.000871 | 87                | 70 - 130 | J    |
| Bromodichloromethane         | 0.00100      | 0.000940 | 94                | 70 - 130 | J    |
| Ethylbenzene                 | 0.00100      | 0.000912 | 91                | 70 - 130 | J    |
| Methyl tert-butyl ether      | 0.00100      | 0.000923 | 92                | 70 - 130 | J    |
| Methylene Chloride           | 0.00100      | 0.000617 | 62                | 70 - 130 | J ^  |
| Styrene                      | 0.00100      | 0.000787 | 79                | 70 - 130 | J    |
| Tetrachloroethene            | 0.00100      | 0.000921 | 92                | 70 - 130 | J    |
| Toluene                      | 0.00100      | 0.00100  | 100               | 70 - 130 |      |
| trans-1,3-Dichloropropene    | 0.00100      | 0.000735 | 74                | 70 - 130 | J    |
| Trichloroethene              | 0.00100      | 0.00104  | 104               | 70 - 130 |      |
| Vinyl chloride               | 0.00100      | 0.00107  | 107               | 70 - 130 |      |
| Xylenes, Total               | 0.00300      | 0.00250  | 83                | 70 - 130 |      |
| Chloroform                   | 0.00100      | 0.000952 | 95                | 70 - 130 | J    |
| Bromochloromethane           | 0.00100      | 0.00106  | 106               | 70 - 130 |      |
| Chloroethane                 | 0.00100      | 0.00118  | 118               | 70 - 130 |      |
| Surrogate                    | % Rec        |          | Acceptance Limits |          |      |
| Toluene-d8 (Surr)            | 99           |          | 50 - 150          |          |      |
| 1,2-Dichloroethane-d4 (Surr) | 92           |          | 50 - 150          |          |      |
| 4-Bromofluorobenzene (Surr)  | 101          |          | 50 - 150          |          |      |
| Dibromofluoromethane (Surr)  | 98           |          | 50 - 150          |          |      |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Method Blank - Batch: 240-69738

### Method: 8015B Preparation: 5030B

Lab Sample ID: MB 240-69738/36  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 12/22/2012 0846  
Prep Date: 12/22/2012 0846  
Leach Date: N/A

Analysis Batch: 240-69738  
Prep Batch: N/A  
Leach Batch: N/A  
Units: ug/L

Instrument ID: YPID  
Lab File ID: YF122136.D  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                 | Result | Qual              | DL | LOQ |
|-------------------------|--------|-------------------|----|-----|
| C6-C12                  | 50     | U                 | 25 | 100 |
| Surrogate               | % Rec  | Acceptance Limits |    |     |
| Trifluorotoluene (Surr) | 76     | 10 - 150          |    |     |

### Method Blank - Batch: 240-69738

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

Lab Sample ID: MB 240-69738/52  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 12/22/2012 1853  
Prep Date: N/A  
Leach Date: N/A

Analysis Batch: 240-69738  
Prep Batch: N/A  
Leach Batch: N/A  
Units: ug/Kg

Instrument ID: YPID  
Lab File ID: YF122152.D  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                 | Result | Qual              | DL | LOQ |
|-------------------------|--------|-------------------|----|-----|
| C6-C12                  | 50     | U                 | 46 | 100 |
| Surrogate               | % Rec  | Acceptance Limits |    |     |
| Trifluorotoluene (Surr) | 89     | 10 - 150          |    |     |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Method Reporting Limit Check - Batch: 240-69738

**Method: 8015B**  
**Preparation: 5030B**

|                |                  |                 |           |                        |            |
|----------------|------------------|-----------------|-----------|------------------------|------------|
| Lab Sample ID: | MRL 240-69738/35 | Analysis Batch: | 240-69738 | Instrument ID:         | YPID       |
| Client Matrix: | Water            | Prep Batch:     | N/A       | Lab File ID:           | YF122135.D |
| Dilution:      | 1.0              | Leach Batch:    | N/A       | Initial Weight/Volume: | 5 mL       |
| Analysis Date: | 12/22/2012 0808  | Units:          | ug/L      | Final Weight/Volume:   | 5 mL       |
| Prep Date:     | 12/22/2012 0808  |                 |           | Injection Volume:      |            |
| Leach Date:    | N/A              |                 |           | Column ID:             | PRIMARY    |

| Analyte                 | Spike Amount | Result | % Rec.            | Limit    | Qual |
|-------------------------|--------------|--------|-------------------|----------|------|
| C6-C12                  | 100          | 78.6   | 79                | 70 - 130 | J    |
| Surrogate               | % Rec        |        | Acceptance Limits |          |      |
| Trifluorotoluene (Surr) | 85           |        | 70 - 130          |          |      |

### Lab Control Sample - Batch: 240-69738

**Method: 8015B**  
**Preparation: 5030B**

|                |                  |                 |           |                        |            |
|----------------|------------------|-----------------|-----------|------------------------|------------|
| Lab Sample ID: | LCS 240-69738/37 | Analysis Batch: | 240-69738 | Instrument ID:         | YPID       |
| Client Matrix: | Water            | Prep Batch:     | N/A       | Lab File ID:           | YF122137.D |
| Dilution:      | 1.0              | Leach Batch:    | N/A       | Initial Weight/Volume: | 5 mL       |
| Analysis Date: | 12/22/2012 0924  | Units:          | ug/L      | Final Weight/Volume:   | 5 mL       |
| Prep Date:     | 12/22/2012 0924  |                 |           | Injection Volume:      |            |
| Leach Date:    | N/A              |                 |           | Column ID:             | PRIMARY    |

| Analyte                 | Spike Amount | Result | % Rec.            | Limit    | Qual |
|-------------------------|--------------|--------|-------------------|----------|------|
| C6-C12                  | 800          | 830    | 104               | 72 - 140 |      |
| Surrogate               | % Rec        |        | Acceptance Limits |          |      |
| Trifluorotoluene (Surr) | 92           |        | 10 - 150          |          |      |

### Method Reporting Limit Check - Batch: 240-69738

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

|                |                  |                 |           |                        |            |
|----------------|------------------|-----------------|-----------|------------------------|------------|
| Lab Sample ID: | MRL 240-69738/51 | Analysis Batch: | 240-69738 | Instrument ID:         | YPID       |
| Client Matrix: | Solid            | Prep Batch:     | N/A       | Lab File ID:           | YF122151.D |
| Dilution:      | 1.0              | Leach Batch:    | N/A       | Initial Weight/Volume: | 5 mL       |
| Analysis Date: | 12/22/2012 1814  | Units:          | ug/L      | Final Weight/Volume:   | 5 mL       |
| Prep Date:     | N/A              |                 |           | Injection Volume:      |            |
| Leach Date:    | N/A              |                 |           | Column ID:             | PRIMARY    |

| Analyte                 | Spike Amount | Result | % Rec.            | Limit    | Qual |
|-------------------------|--------------|--------|-------------------|----------|------|
| C6-C12                  | 100          | 115    | 115               | 70 - 130 |      |
| Surrogate               | % Rec        |        | Acceptance Limits |          |      |
| Trifluorotoluene (Surr) | 85           |        | 70 - 130          |          |      |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Lab Control Sample - Batch: 240-69738

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

|                |                  |                 |           |                        |            |
|----------------|------------------|-----------------|-----------|------------------------|------------|
| Lab Sample ID: | LCS 240-69738/53 | Analysis Batch: | 240-69738 | Instrument ID:         | YPID       |
| Client Matrix: | Solid            | Prep Batch:     | N/A       | Lab File ID:           | YF122153.D |
| Dilution:      | 1.0              | Leach Batch:    | N/A       | Initial Weight/Volume: | 5 g        |
| Analysis Date: | 12/22/2012 1932  | Units:          | ug/Kg     | Final Weight/Volume:   | 5 mL       |
| Prep Date:     | N/A              |                 |           | Injection Volume:      |            |
| Leach Date:    | N/A              |                 |           | Column ID:             | PRIMARY    |

| Analyte                 | Spike Amount | Result | % Rec. | Limit             | Qual |
|-------------------------|--------------|--------|--------|-------------------|------|
| C6-C12                  | 800          | 965    | 121    | 60 - 142          |      |
| Surrogate               |              | % Rec  |        | Acceptance Limits |      |
| Trifluorotoluene (Surr) |              | 101    |        | 10 - 150          |      |

### Method Reporting Limit Check - Batch: 240-69738

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

|                |                  |                 |           |                        |            |
|----------------|------------------|-----------------|-----------|------------------------|------------|
| Lab Sample ID: | MRL 240-69738/76 | Analysis Batch: | 240-69738 | Instrument ID:         | YPID       |
| Client Matrix: | Solid            | Prep Batch:     | N/A       | Lab File ID:           | YF122176.D |
| Dilution:      | 1.0              | Leach Batch:    | N/A       | Initial Weight/Volume: | 5 mL       |
| Analysis Date: | 12/23/2012 1005  | Units:          | ug/L      | Final Weight/Volume:   | 5 mL       |
| Prep Date:     | N/A              |                 |           | Injection Volume:      |            |
| Leach Date:    | N/A              |                 |           | Column ID:             | PRIMARY    |

| Analyte                 | Spike Amount | Result | % Rec. | Limit             | Qual |
|-------------------------|--------------|--------|--------|-------------------|------|
| C6-C12                  | 100          | 83.6   | 84     | 70 - 130          | J    |
| Surrogate               |              | % Rec  |        | Acceptance Limits |      |
| Trifluorotoluene (Surr) |              | 84     |        | 70 - 130          |      |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-69885

Method: 8015B  
Preparation: 5035

|                   |                 |                 |           |                        |            |
|-------------------|-----------------|-----------------|-----------|------------------------|------------|
| MS Lab Sample ID: | 240-18735-1     | Analysis Batch: | 240-69738 | Instrument ID:         | YPID       |
| Client Matrix:    | Solid           | Prep Batch:     | 240-69885 | Lab File ID:           | YF122173.D |
| Dilution:         | 1.0             | Leach Batch:    | N/A       | Initial Weight/Volume: | 6.126 g    |
| Analysis Date:    | 12/23/2012 0810 |                 |           | Final Weight/Volume:   | 5 mL       |
| Prep Date:        | 12/12/2012 2210 |                 |           | Injection Volume:      |            |
| Leach Date:       | N/A             |                 |           | Column ID:             | PRIMARY    |

|                    |                 |                 |           |                        |            |
|--------------------|-----------------|-----------------|-----------|------------------------|------------|
| MSD Lab Sample ID: | 240-18735-1     | Analysis Batch: | 240-69738 | Instrument ID:         | YPID       |
| Client Matrix:     | Solid           | Prep Batch:     | 240-69885 | Lab File ID:           | YF122174.D |
| Dilution:          | 1.0             | Leach Batch:    | N/A       | Initial Weight/Volume: | 6.092 g    |
| Analysis Date:     | 12/23/2012 0849 |                 |           | Final Weight/Volume:   | 5 mL       |
| Prep Date:         | 12/12/2012 2210 |                 |           | Injection Volume:      |            |
| Leach Date:        | N/A             |                 |           | Column ID:             | PRIMARY    |

| Analyte                 | % Rec.   |     | Limit     | RPD | RPD Limit         | MS Qual | MSD Qual |
|-------------------------|----------|-----|-----------|-----|-------------------|---------|----------|
|                         | MS       | MSD |           |     |                   |         |          |
| C6-C12                  | 64       | 60  | 10 - 142  | 5   | 94                |         |          |
| Surrogate               | MS % Rec |     | MSD % Rec |     | Acceptance Limits |         |          |
| Trifluorotoluene (Surr) | 63       |     | 64        |     | 10 - 150          |         |          |

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-69885

Method: 8015B  
Preparation: 5035

|                   |                 |        |       |                    |                 |
|-------------------|-----------------|--------|-------|--------------------|-----------------|
| MS Lab Sample ID: | 240-18735-1     | Units: | ug/Kg | MSD Lab Sample ID: | 240-18735-1     |
| Client Matrix:    | Solid           |        |       | Client Matrix:     | Solid           |
| Dilution:         | 1.0             |        |       | Dilution:          | 1.0             |
| Analysis Date:    | 12/23/2012 0810 |        |       | Analysis Date:     | 12/23/2012 0849 |
| Prep Date:        | 12/12/2012 2210 |        |       | Prep Date:         | 12/12/2012 2210 |
| Leach Date:       | N/A             |        |       | Leach Date:        | N/A             |

| Analyte | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---------|--------------------|-----------------|------------------|----------------|-----------------|
| C6-C12  | 49 U               | 769             | 773              | 491            | 466             |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Method Blank - Batch: 240-70771

### Method: 7196A Preparation: 3060A

Lab Sample ID: MB 240-70771/9-A  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 01/02/2013 0000  
Prep Date: 12/31/2012 1331  
Leach Date: N/A

Analysis Batch: 240-70884  
Prep Batch: 240-70771  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ERNIE-CR  
Lab File ID: 70771.txt  
Initial Weight/Volume: 2.5 g  
Final Weight/Volume: 100 mL

| Analyte | Result | Qual | DL   | LOQ  |
|---------|--------|------|------|------|
| Cr (VI) | 0.80   | U    | 0.27 | 0.80 |

### Lab Control Sample Insoluble - Batch: 240-70771

### Method: 7196A Preparation: 3060A

Lab Sample ID: LCS1 240-70771/11-A  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 01/02/2013 0000  
Prep Date: 12/31/2012 1331  
Leach Date: N/A

Analysis Batch: 240-70884  
Prep Batch: 240-70771  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ERNIE-CR  
Lab File ID: 70771.txt  
Initial Weight/Volume: 2.5 g  
Final Weight/Volume: 100 mL

| Analyte | Spike Amount | Result | % Rec. | Limit    | Qual |
|---------|--------------|--------|--------|----------|------|
| Cr (VI) | 643          | 690    | 107    | 75 - 125 |      |

### Lab Control Sample Soluble - Batch: 240-70771

### Method: 7196A Preparation: 3060A

Lab Sample ID: LCSS 240-70771/10-A  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 01/02/2013 0000  
Prep Date: 12/31/2012 1331  
Leach Date: N/A

Analysis Batch: 240-70884  
Prep Batch: 240-70771  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ERNIE-CR  
Lab File ID: 70771.txt  
Initial Weight/Volume: 2.5 g  
Final Weight/Volume: 100 mL

| Analyte | Spike Amount | Result | % Rec. | Limit    | Qual |
|---------|--------------|--------|--------|----------|------|
| Cr (VI) | 20.0         | 20.6   | 103    | 90 - 110 |      |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Duplicate - Batch: 240-70771

**Method: 7196A**  
**Preparation: 3060A**

|                |                 |                 |           |                        |           |
|----------------|-----------------|-----------------|-----------|------------------------|-----------|
| Lab Sample ID: | 240-18735-14    | Analysis Batch: | 240-70884 | Instrument ID:         | ERNIE-CR  |
| Client Matrix: | Solid           | Prep Batch:     | 240-70771 | Lab File ID:           | 70771.txt |
| Dilution:      | 1.0             | Leach Batch:    | N/A       | Initial Weight/Volume: | 2.5 g     |
| Analysis Date: | 01/02/2013 1314 | Units:          | mg/Kg     | Final Weight/Volume:   | 100 mL    |
| Prep Date:     | 12/31/2012 1331 |                 |           |                        |           |
| Leach Date:    | N/A             |                 |           |                        |           |

| Analyte | Sample Result/Qual |   | Result | RPD | Limit | Qual |
|---------|--------------------|---|--------|-----|-------|------|
| Cr (VI) | 0.88               | U | 0.86   | NC  |       | U    |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Duplicate - Batch: 240-68573

#### Method: Moisture Preparation: N/A

|                |                 |                 |           |                        |              |
|----------------|-----------------|-----------------|-----------|------------------------|--------------|
| Lab Sample ID: | 240-18735-1     | Analysis Batch: | 240-68573 | Instrument ID:         | No Equipment |
| Client Matrix: | Solid           | Prep Batch:     | N/A       | Lab File ID:           | N/A          |
| Dilution:      | 1.0             | Leach Batch:    | N/A       | Initial Weight/Volume: |              |
| Analysis Date: | 12/13/2012 1213 | Units:          | %         | Final Weight/Volume:   |              |
| Prep Date:     | N/A             |                 |           |                        |              |
| Leach Date:    | N/A             |                 |           |                        |              |

| Analyte          | Sample Result/Qual | Result | RPD | Limit | Qual |
|------------------|--------------------|--------|-----|-------|------|
| Percent Solids   | 85                 | 87     | 2   | 20    |      |
| Percent Moisture | 15                 | 13     | 15  | 20    |      |

### Duplicate - Batch: 240-68573

#### Method: Moisture Preparation: N/A

|                |                 |                 |           |                        |              |
|----------------|-----------------|-----------------|-----------|------------------------|--------------|
| Lab Sample ID: | 240-18735-14    | Analysis Batch: | 240-68573 | Instrument ID:         | No Equipment |
| Client Matrix: | Solid           | Prep Batch:     | N/A       | Lab File ID:           | N/A          |
| Dilution:      | 1.0             | Leach Batch:    | N/A       | Initial Weight/Volume: |              |
| Analysis Date: | 12/13/2012 1213 | Units:          | %         | Final Weight/Volume:   |              |
| Prep Date:     | N/A             |                 |           |                        |              |
| Leach Date:    | N/A             |                 |           |                        |              |

| Analyte          | Sample Result/Qual | Result | RPD | Limit | Qual |
|------------------|--------------------|--------|-----|-------|------|
| Percent Solids   | 91                 | 93     | 1   | 20    |      |
| Percent Moisture | 8.7                | 7.5    | 15  | 20    |      |

### Duplicate - Batch: 240-68573

#### Method: Moisture Preparation: N/A

|                |                 |                 |           |                        |              |
|----------------|-----------------|-----------------|-----------|------------------------|--------------|
| Lab Sample ID: | 240-18735-25    | Analysis Batch: | 240-68573 | Instrument ID:         | No Equipment |
| Client Matrix: | Solid           | Prep Batch:     | N/A       | Lab File ID:           | N/A          |
| Dilution:      | 1.0             | Leach Batch:    | N/A       | Initial Weight/Volume: |              |
| Analysis Date: | 12/13/2012 1344 | Units:          | %         | Final Weight/Volume:   |              |
| Prep Date:     | N/A             |                 |           |                        |              |
| Leach Date:    | N/A             |                 |           |                        |              |

| Analyte          | Sample Result/Qual | Result | RPD | Limit | Qual |
|------------------|--------------------|--------|-----|-------|------|
| Percent Solids   | 87                 | 87     | 0.2 | 20    |      |
| Percent Moisture | 13                 | 13     | 1   | 20    |      |



## DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

| Lab Section       | Qualifier | Description                                                                         |
|-------------------|-----------|-------------------------------------------------------------------------------------|
| GC/MS VOA         | J         | Estimated: The analyte was positively identified; the quantitation is an estimation |
|                   | ^         | Instrument related QC exceeds the control limits                                    |
|                   | U         | Undetected at the Limit of Detection.                                               |
| GC VOA            | J         | Estimated: The analyte was positively identified; the quantitation is an estimation |
|                   | M         | Manual integrated compound.                                                         |
|                   | U         | Undetected at the Limit of Detection.                                               |
| General Chemistry | J         | Estimated: The analyte was positively identified; the quantitation is an estimation |
|                   | U         | Undetected at the Limit of Detection.                                               |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID   | Report Basis | Client Matrix | Method    | Prep Batch |
|---------------------------------|--------------------|--------------|---------------|-----------|------------|
| <b>GC/MS VOA</b>                |                    |              |               |           |            |
| <b>Analysis Batch:240-69591</b> |                    |              |               |           |            |
| LCS 240-69591/4                 | Lab Control Sample | T            | Water         | 8260B/DoD |            |
| MB 240-69591/6                  | Method Blank       | T            | Water         | 8260B/DoD |            |
| 240-18735-7                     | 070-0060-0001-TB   | T            | Water         | 8260B/DoD |            |

#### Report Basis

T = Total

### GC VOA

|                                 |                        |   |       |       |           |
|---------------------------------|------------------------|---|-------|-------|-----------|
| <b>Analysis Batch:240-69738</b> |                        |   |       |       |           |
| LCS 240-69738/53                | Lab Control Sample     | T | Solid | 8015B |           |
| MB 240-69738/52                 | Method Blank           | T | Solid | 8015B |           |
| LCS 240-69738/37                | Lab Control Sample     | T | Water | 8015B |           |
| MB 240-69738/36                 | Method Blank           | T | Water | 8015B |           |
| 240-18735-1                     | 070SB-0042M-0001-SO    | T | Solid | 8015B | 240-69885 |
| 240-18735-1MS                   | Matrix Spike           | T | Solid | 8015B | 240-69885 |
| 240-18735-1MSD                  | Matrix Spike Duplicate | T | Solid | 8015B | 240-69885 |
| 240-18735-2                     | 070SB-0055-0001-TB     | T | Water | 8015B |           |
| <b>Prep Batch: 240-69885</b>    |                        |   |       |       |           |
| 240-18735-1                     | 070SB-0042M-0001-SO    | T | Solid | 5035  |           |
| 240-18735-1MS                   | Matrix Spike           | T | Solid | 5035  |           |
| 240-18735-1MSD                  | Matrix Spike Duplicate | T | Solid | 5035  |           |

#### Report Basis

T = Total

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID    | Report Basis | Client Matrix | Method   | Prep Batch |
|---------------------------------|---------------------|--------------|---------------|----------|------------|
| <b>General Chemistry</b>        |                     |              |               |          |            |
| <b>Analysis Batch:240-68573</b> |                     |              |               |          |            |
| 240-18735-1                     | 070SB-0042M-0001-SO | T            | Solid         | Moisture |            |
| 240-18735-1DU                   | Duplicate           | T            | Solid         | Moisture |            |
| 240-18735-8                     | 076SB-0119-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-9                     | 076SB-0120-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-10                    | 076SB-0121-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-11                    | 076SB-0122-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-12                    | 076SB-0123-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-13                    | 076SB-0124-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-14                    | 076SB-0125-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-14DU                  | Duplicate           | T            | Solid         | Moisture |            |
| 240-18735-15                    | 076SB-0126-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-16                    | 076SB-0127-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-17                    | 076SB-0128-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-18                    | 076SB-0129-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-19                    | 076SB-0130-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-20                    | 076SB-0131-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-21                    | 076SB-0132-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-22                    | 076SB-0133-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-23                    | 076SB-0134-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-24                    | 076SB-0135-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-25                    | 076SB-0136-0001-SO  | T            | Solid         | Moisture |            |
| 240-18735-25DU                  | Duplicate           | T            | Solid         | Moisture |            |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### QC Association Summary

| Lab Sample ID                | Client Sample ID             | Report Basis | Client Matrix | Method | Prep Batch |
|------------------------------|------------------------------|--------------|---------------|--------|------------|
| <b>General Chemistry</b>     |                              |              |               |        |            |
| <b>Prep Batch: 240-70771</b> |                              |              |               |        |            |
| LCSI 240-70771/11-A          | Lab Control Sample Insoluble | T            | Solid         | 3060A  |            |
| LCSS 240-70771/10-A          | Lab Control Sample Soluble   | T            | Solid         | 3060A  |            |
| MB 240-70771/9-A             | Method Blank                 | T            | Solid         | 3060A  |            |
| 240-18735-8                  | 076SB-0119-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-9                  | 076SB-0120-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-10                 | 076SB-0121-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-11                 | 076SB-0122-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-12                 | 076SB-0123-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-13                 | 076SB-0124-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-14                 | 076SB-0125-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-14DU               | Duplicate                    | T            | Solid         | 3060A  |            |
| 240-18735-15                 | 076SB-0126-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-16                 | 076SB-0127-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-17                 | 076SB-0128-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-18                 | 076SB-0129-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-19                 | 076SB-0130-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-20                 | 076SB-0131-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-21                 | 076SB-0132-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-22                 | 076SB-0133-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-23                 | 076SB-0134-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-24                 | 076SB-0135-0001-SO           | T            | Solid         | 3060A  |            |
| 240-18735-25                 | 076SB-0136-0001-SO           | T            | Solid         | 3060A  |            |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID             | Report Basis | Client Matrix | Method | Prep Batch |
|---------------------------------|------------------------------|--------------|---------------|--------|------------|
| <b>General Chemistry</b>        |                              |              |               |        |            |
| <b>Analysis Batch:240-70884</b> |                              |              |               |        |            |
| LCSI 240-70771/11-A             | Lab Control Sample Insoluble | T            | Solid         | 7196A  | 240-70771  |
| LCSS 240-70771/10-A             | Lab Control Sample Soluble   | T            | Solid         | 7196A  | 240-70771  |
| MB 240-70771/9-A                | Method Blank                 | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-8                     | 076SB-0119-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-9                     | 076SB-0120-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-10                    | 076SB-0121-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-11                    | 076SB-0122-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-12                    | 076SB-0123-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-13                    | 076SB-0124-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-14                    | 076SB-0125-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-14DU                  | Duplicate                    | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-15                    | 076SB-0126-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-16                    | 076SB-0127-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-17                    | 076SB-0128-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-18                    | 076SB-0129-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-19                    | 076SB-0130-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-20                    | 076SB-0131-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-21                    | 076SB-0132-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-22                    | 076SB-0133-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-23                    | 076SB-0134-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-24                    | 076SB-0135-0001-SO           | T            | Solid         | 7196A  | 240-70771  |
| 240-18735-25                    | 076SB-0136-0001-SO           | T            | Solid         | 7196A  | 240-70771  |

#### Report Basis

T = Total

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Laboratory Chronicle

Lab ID: 240-18735-1

Client ID: 070SB-0042M-0001-SO

Sample Date/Time: 12/12/2012 10:30

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID       | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|-----------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:5035     | 240-18735-B-1-D |     | 240-69738      | 240-69885  | 12/12/2012 22:10         | 1   | TAL NC | HMB     |
| A:8015B    | 240-18735-B-1-D |     | 240-69738      | 240-69885  | 12/23/2012 07:33         | 1   | TAL NC | HMB     |
| A:Moisture | 240-18735-K-1   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-1

Client ID: 070SB-0042M-0001-SO

Sample Date/Time: 12/12/2012 10:30

Received Date/Time: 12/12/2012 17:07

| Method  | Bottle ID          | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|---------|--------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:5035  | 240-18735-B-1-E MS |     | 240-69738      | 240-69885  | 12/12/2012 22:10         | 1   | TAL NC | HMB     |
| A:8015B | 240-18735-B-1-E MS |     | 240-69738      | 240-69885  | 12/23/2012 08:10         | 1   | TAL NC | HMB     |

Lab ID: 240-18735-1

Client ID: 070SB-0042M-0001-SO

Sample Date/Time: 12/12/2012 10:30

Received Date/Time: 12/12/2012 17:07

| Method  | Bottle ID           | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|---------|---------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:5035  | 240-18735-B-1-F MSD |     | 240-69738      | 240-69885  | 12/12/2012 22:10         | 1   | TAL NC | HMB     |
| A:8015B | 240-18735-B-1-F MSD |     | 240-69738      | 240-69885  | 12/23/2012 08:49         | 1   | TAL NC | HMB     |

Lab ID: 240-18735-1

Client ID: 070SB-0042M-0001-SO

Sample Date/Time: 12/12/2012 10:30

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| A:Moisture | 240-18735-J-1 DU |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-2

Client ID: 070SB-0055-0001-TB

Sample Date/Time: 12/12/2012 08:00

Received Date/Time: 12/12/2012 17:07

| Method  | Bottle ID     | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|---------|---------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:5030B | 240-18735-B-2 |     | 240-69738      |            | 12/22/2012 15:41         | 1   | TAL NC | HMB     |
| A:8015B | 240-18735-B-2 |     | 240-69738      |            | 12/22/2012 15:41         | 1   | TAL NC | HMB     |

Lab ID: 240-18735-7

Client ID: 070-0060-0001-TB

Sample Date/Time: 12/12/2012 08:00

Received Date/Time: 12/12/2012 17:07

| Method      | Bottle ID     | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|-------------|---------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:5030B     | 240-18735-A-7 |     | 240-69591      |            | 12/20/2012 16:37         | 1   | TAL NC | RQ      |
| A:8260B/DoD | 240-18735-A-7 |     | 240-69591      |            | 12/20/2012 16:37         | 1   | TAL NC | RQ      |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Laboratory Chronicle

Lab ID: 240-18735-8

Client ID: 076SB-0119-0001-SO

Sample Date/Time: 12/11/2012 09:10

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID       | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|-----------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-8-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-8-A |     | 240-70884      | 240-70771  | 01/02/2013 12:53         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-8   |     | 240-68573      |            | 12/13/2012 13:44         | 1   | TAL NC | TH      |

Lab ID: 240-18735-9

Client ID: 076SB-0120-0001-SO

Sample Date/Time: 12/11/2012 11:20

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID       | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|-----------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-9-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-9-A |     | 240-70884      | 240-70771  | 01/02/2013 12:54         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-9   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-10

Client ID: 076SB-0121-0001-SO

Sample Date/Time: 12/11/2012 10:50

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-10-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-10-A |     | 240-70884      | 240-70771  | 01/02/2013 12:57         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-10   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-11

Client ID: 076SB-0122-0001-SO

Sample Date/Time: 12/11/2012 09:30

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-11-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-11-A |     | 240-70884      | 240-70771  | 01/02/2013 12:57         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-11   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-12

Client ID: 076SB-0123-0001-SO

Sample Date/Time: 12/11/2012 09:50

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-12-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-12-A |     | 240-70884      | 240-70771  | 01/02/2013 13:11         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-12   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Laboratory Chronicle

Lab ID: 240-18735-13

Client ID: 076SB-0124-0001-SO

Sample Date/Time: 12/11/2012 10:15

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-13-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-13-A |     | 240-70884      | 240-70771  | 01/02/2013 13:11         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-13   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-14

Client ID: 076SB-0125-0001-SO

Sample Date/Time: 12/12/2012 10:15

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-C-14-B |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-C-14-B |     | 240-70884      | 240-70771  | 01/02/2013 13:15         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-B-14   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-14

Client ID: 076SB-0125-0001-SO

Sample Date/Time: 12/12/2012 10:15

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID           | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|---------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-C-14-A DU |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-C-14-A DU |     | 240-70884      | 240-70771  | 01/02/2013 13:14         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-14 DU   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-15

Client ID: 076SB-0126-0001-SO

Sample Date/Time: 12/11/2012 15:55

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-15-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-15-A |     | 240-70884      | 240-70771  | 01/02/2013 13:17         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-15   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-16

Client ID: 076SB-0127-0001-SO

Sample Date/Time: 12/11/2012 15:55

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-16-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-16-A |     | 240-70884      | 240-70771  | 01/02/2013 13:18         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-16   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |



## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Laboratory Chronicle

Lab ID: 240-18735-17

Client ID: 076SB-0128-0001-SO

Sample Date/Time: 12/11/2012 15:20

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-17-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-17-A |     | 240-70884      | 240-70771  | 01/02/2013 13:26         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-17   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-18

Client ID: 076SB-0129-0001-SO

Sample Date/Time: 12/11/2012 14:50

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-18-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-18-A |     | 240-70884      | 240-70771  | 01/02/2013 13:30         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-18   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-19

Client ID: 076SB-0130-0001-SO

Sample Date/Time: 12/12/2012 10:49

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-19-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-19-A |     | 240-70884      | 240-70771  | 01/02/2013 13:33         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-19   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-20

Client ID: 076SB-0131-0001-SO

Sample Date/Time: 12/12/2012 11:24

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-20-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-20-A |     | 240-70884      | 240-70771  | 01/02/2013 13:34         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-20   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-21

Client ID: 076SB-0132-0001-SO

Sample Date/Time: 12/11/2012 12:25

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-21-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-21-A |     | 240-70884      | 240-70771  | 01/02/2013 13:37         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-21   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### Laboratory Chronicle

Lab ID: 240-18735-22

Client ID: 076SB-0133-0001-SO

Sample Date/Time: 12/11/2012 12:25

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-22-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-22-A |     | 240-70884      | 240-70771  | 01/02/2013 13:38         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-22   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-23

Client ID: 076SB-0134-0001-SO

Sample Date/Time: 12/11/2012 13:15

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-23-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-23-A |     | 240-70884      | 240-70771  | 01/02/2013 13:43         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-23   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-24

Client ID: 076SB-0135-0001-SO

Sample Date/Time: 12/11/2012 13:40

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-24-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-24-A |     | 240-70884      | 240-70771  | 01/02/2013 13:43         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-24   |     | 240-68573      |            | 12/13/2012 12:13         | 1   | TAL NC | TH      |

Lab ID: 240-18735-25

Client ID: 076SB-0136-0001-SO

Sample Date/Time: 12/11/2012 14:10

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3060A    | 240-18735-B-25-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A    | 240-18735-B-25-A |     | 240-70884      | 240-70771  | 01/02/2013 13:47         | 1   | TAL NC | LG      |
| A:Moisture | 240-18735-A-25   |     | 240-68573      |            | 12/13/2012 13:44         | 1   | TAL NC | TH      |

Lab ID: 240-18735-25 DU

Client ID: 076SB-0136-0001-SO

Sample Date/Time: 12/11/2012 14:10

Received Date/Time: 12/12/2012 17:07

| Method     | Bottle ID         | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|------------|-------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| A:Moisture | 240-18735-A-25 DU |     | 240-68573      |            | 12/13/2012 13:44         | 1   | TAL NC | TH      |

## Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

### 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 240-69591/6   |     | 240-69591      |            | 12/20/2012 13:05         | 1   | TAL NC | RQ      |
| A:8260B/DoD | MB 240-69591/6   |     | 240-69591      |            | 12/20/2012 13:05         | 1   | TAL NC | RQ      |
| P:5030B     | MB 240-69738/36  |     | 240-69738      |            | 12/22/2012 08:46         | 1   | TAL NC | HMB     |
| A:8015B     | MB 240-69738/36  |     | 240-69738      |            | 12/22/2012 08:46         | 1   | TAL NC | HMB     |
| A:8015B     | MB 240-69738/52  |     | 240-69738      |            | 12/22/2012 18:53         | 1   | TAL NC | HMB     |
| P:3060A     | MB 240-70771/9-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A     | MB 240-70771/9-A |     | 240-70884      | 240-70771  | 01/02/2013 00:00         | 1   | TAL NC | LG      |

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 240-69591/4  |     | 240-69591      |            | 12/20/2012 12:21         | 1   | TAL NC | RQ      |
| A:8260B/DoD | LCS 240-69591/4  |     | 240-69591      |            | 12/20/2012 12:21         | 1   | TAL NC | RQ      |
| P:5030B     | LCS 240-69738/37 |     | 240-69738      |            | 12/22/2012 09:24         | 1   | TAL NC | HMB     |
| A:8015B     | LCS 240-69738/37 |     | 240-69738      |            | 12/22/2012 09:24         | 1   | TAL NC | HMB     |
| A:8015B     | LCS 240-69738/53 |     | 240-69738      |            | 12/22/2012 19:32         | 1   | TAL NC | HMB     |

Lab ID: MRL

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     | MRL 240-69591/5  |     | 240-69591      |            | 12/20/2012 12:43         | 1   | TAL NC | RQ      |
| A:8260B/DoD | MRL 240-69591/5  |     | 240-69591      |            | 12/20/2012 12:43         | 1   | TAL NC | RQ      |
| P:5030B     | MRL 240-69591/18 |     | 240-69591      |            | 12/20/2012 17:42         | 1   | TAL NC | RQ      |
| A:8260B/DoD | MRL 240-69591/18 |     | 240-69591      |            | 12/20/2012 17:42         | 1   | TAL NC | RQ      |
| P:5030B     | MRL 240-69738/35 |     | 240-69738      |            | 12/22/2012 08:08         | 1   | TAL NC | HMB     |
| A:8015B     | MRL 240-69738/35 |     | 240-69738      |            | 12/22/2012 08:08         | 1   | TAL NC | HMB     |
| A:8015B     | MRL 240-69738/51 |     | 240-69738      |            | 12/22/2012 18:14         | 1   | TAL NC | HMB     |
| A:8015B     | MRL 240-69738/76 |     | 240-69738      |            | 12/23/2012 10:05         | 1   | TAL NC | HMB     |

Lab ID: LCSi

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:3060A | LCSI 240-70771/11-A    |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| P:3060A | LCSS<br>240-70771/10-A |     | 240-70884      | 240-70771  | 12/31/2012 13:31         | 1   | TAL NC | CN      |
| A:7196A | LCSI 240-70771/11-A    |     | 240-70884      | 240-70771  | 01/02/2013 00:00         | 1   | TAL NC | LG      |
| A:7196A | LCSS<br>240-70771/10-A |     | 240-70884      | 240-70771  | 01/02/2013 00:00         | 1   | TAL NC | LG      |

Client: Environmental Chemical Corp.

Job Number: 240-18735-1

**Laboratory Chronicle**

**Lab References:**

TAL NC = TestAmerica Canton

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica CantonJob No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID          | Exp Date | Prep Date                      | Dilutant Used    | Reagent Final Volume | Parent Reagent      |              | Analyte                      | Concentration |
|---------------------|----------|--------------------------------|------------------|----------------------|---------------------|--------------|------------------------------|---------------|
|                     |          |                                |                  |                      | Reagent ID          | Volume Added |                              |               |
| VGGASCAL_00021      | 11/03/12 | 08/03/12                       | MEOH, Lot 117046 | 50 mL                | VGGASDIL_00006      | 500 uL       | C6-C10                       | 100 ug/mL     |
| .VGGASDIL_00006     | 12/28/12 | 06/28/12                       | MEOH, Lot 117046 | 50 mL                | VGGASSTOCK_00013    | 0.5 g        | C6-C12                       | 100 ug/mL     |
|                     |          |                                |                  |                      |                     |              | C6-C10                       | 10000 ug/mL   |
|                     |          |                                |                  |                      |                     |              | C6-C12                       | 10000 ug/mL   |
| ..VGGASSTOCK_00013  | 10/31/13 | ULTRA SCIENTIFIC, Lot S-0681W  |                  |                      | (Purchased Reagent) |              | C6-C10                       | 1 g/g         |
|                     |          |                                |                  |                      |                     |              | C6-C12                       | 1 g/g         |
| VGGASCAL_00022      | 12/28/12 | 10/31/12                       | MEOH, Lot 123279 | 50 mL                | VGGASDIL_00006      | 500 uL       | C6-C12                       | 100 ug/mL     |
| .VGGASDIL_00006     | 12/28/12 | 06/28/12                       | MEOH, Lot 117046 | 50 mL                | VGGASSTOCK_00013    | 0.5 g        | C6-C12                       | 10000 ug/mL   |
| ..VGGASSTOCK_00013  | 10/31/13 | ULTRA SCIENTIFIC, Lot S-0681W  |                  |                      | (Purchased Reagent) |              | C6-C12                       | 1 g/g         |
| VGGASCHK_00019      | 10/27/12 | 07/27/12                       | MEOH, Lot 115869 | 50 mL                | VGGASCHKSTK_00016   | 1 mL         | C6-C12                       | 100 ug/mL     |
| .VGGASCHKSTK_00016  | 04/05/15 | ACCU STANDARD, Lot B5040009    |                  |                      | (Purchased Reagent) |              | C6-C12                       | 5 mg/mL       |
| VGGASCHK_00025      | 03/14/13 | 12/14/12                       | MEOH, Lot 123279 | 50 mL                | VGGASCHKSTK_00020   | 1 mL         | C6-C12                       | 100 ug/mL     |
| .VGGASCHKSTK_00020  | 04/05/15 | ACCU STANDARD, Lot B5040009    |                  |                      | (Purchased Reagent) |              | C6-C12                       | 5 mg/mL       |
| VGGASURROGATE_00014 | 12/05/12 | 06/05/12                       | MEOH, Lot 51304  | 50 mL                | VGSURRSTKGAS_00012  | 1.25 mL      | Trifluorotoluene (Surr)      | 50 ug/mL      |
| .VGSURRSTKGAS_00012 | 07/31/14 | ULTRA SCIENTIFIC, Lot CE-1903A |                  |                      | (Purchased Reagent) |              | Trifluorotoluene (Surr)      | 2000 ug/mL    |
| VGGASURROGATE_00017 | 03/12/13 | 12/12/12                       | MEOH, Lot 123279 | 50 mL                | VGSURRSTKGAS_00014  | 1.25 mL      | Trifluorotoluene (Surr)      | 50 ug/mL      |
| .VGSURRSTKGAS_00014 | 07/31/14 | ULTRA SCIENTIFIC, Lot CE-1903A |                  |                      | (Purchased Reagent) |              | Trifluorotoluene (Surr)      | 2000 ug/mL    |
| VM50IS_00023        | 01/22/13 | 10/22/12                       | MEOH, Lot 123279 | 50 mL                | VMSTM520_00016      | 1 mL         | 1,4-Dichlorobenzene-d4       | 50 ug/mL      |
|                     |          |                                |                  |                      |                     |              | Chlorobenzene-d5             | 50 ug/mL      |
|                     |          |                                |                  |                      |                     |              | Fluorobenzene                | 50 ug/mL      |
| .VMSTM520_00016     | 12/31/14 | Ultra Scientific, Lot CH-3660  |                  |                      | (Purchased Reagent) |              | 1,4-Dichlorobenzene-d4       | 2500 ug/mL    |
|                     |          |                                |                  |                      |                     |              | Chlorobenzene-d5             | 2500 ug/mL    |
|                     |          |                                |                  |                      |                     |              | Fluorobenzene                | 2500 ug/mL    |
| vm50ss_00089        | 12/17/12 | 12/10/12                       | MEOH, Lot na     | 2 mL                 | vm50ss_stk_00044    | 2 mL         | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL      |
|                     |          |                                |                  |                      |                     |              | 4-Bromofluorobenzene (Surr)  | 50 ug/mL      |
|                     |          |                                |                  |                      |                     |              | Dibromofluoromethane (Surr)  | 50 ug/mL      |
|                     |          |                                |                  |                      |                     |              | Toluene-d8 (Surr)            | 50 ug/mL      |
| .vm50ss_stk_00044   | 03/04/13 | 12/04/12                       | MEOH, Lot 123279 | 50 mL                | VMstm530_00016      | 1 mL         | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL      |
|                     |          |                                |                  |                      |                     |              | 4-Bromofluorobenzene (Surr)  | 50 ug/mL      |
|                     |          |                                |                  |                      |                     |              | Dibromofluoromethane (Surr)  | 50 ug/mL      |
|                     |          |                                |                  |                      |                     |              | Toluene-d8 (Surr)            | 50 ug/mL      |
| ..VMstm530_00016    | 05/31/15 | Ultra Scientific, Lot CJ-1280  |                  |                      | (Purchased Reagent) |              | 1,2-Dichloroethane-d4 (Surr) | 2500 ug/mL    |
|                     |          |                                |                  |                      |                     |              | 4-Bromofluorobenzene (Surr)  | 2500 ug/mL    |
|                     |          |                                |                  |                      |                     |              | Dibromofluoromethane (Surr)  | 2500 ug/mL    |
|                     |          |                                |                  |                      |                     |              | Toluene-d8 (Surr)            | 2500 ug/mL    |
| vm50ss_stk_00043    | 02/12/13 | 11/12/12                       | MEOH, Lot 123279 | 50 mL                | VMstm530_00016      | 1 mL         | 1,2-Dichloroethane-d4 (Surr) | 50 ug/mL      |
|                     |          |                                |                  |                      |                     |              | 4-Bromofluorobenzene (Surr)  | 50 ug/mL      |
|                     |          |                                |                  |                      |                     |              | Dibromofluoromethane (Surr)  | 50 ug/mL      |
|                     |          |                                |                  |                      |                     |              | Toluene-d8 (Surr)            | 50 ug/mL      |
| .VMstm530_00016     | 05/31/15 | Ultra Scientific, Lot CJ-1280  |                  |                      | (Purchased Reagent) |              | 1,2-Dichloroethane-d4 (Surr) | 2500 ug/mL    |
|                     |          |                                |                  |                      |                     |              | 4-Bromofluorobenzene (Surr)  | 2500 ug/mL    |
|                     |          |                                |                  |                      |                     |              | Dibromofluoromethane (Surr)  | 2500 ug/mL    |
|                     |          |                                |                  |                      |                     |              | Toluene-d8 (Surr)            | 2500 ug/mL    |
| VMCGAS_00100        | 12/17/12 | 12/10/12                       | MEOH, Lot 123279 | 10 mL                | VMDWM544_00011      | 0.25 mL      | Bromomethane                 | 50 ug/mL      |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID      | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                   | Concentration |
|-----------------|----------|-----------|--------------------|----------------------|---------------------|--------------|---------------------------|---------------|
|                 |          |           |                    |                      | Reagent ID          | Volume Added |                           |               |
|                 |          |           |                    |                      |                     |              | Chloroethane              | 50 ug/mL      |
|                 |          |           |                    |                      |                     |              | Chloromethane             | 50 ug/mL      |
|                 |          |           |                    |                      |                     |              | Dichlorodifluoromethane   | 50 ug/mL      |
|                 |          |           |                    |                      |                     |              | Trichlorofluoromethane    | 50 ug/mL      |
|                 |          |           |                    |                      |                     |              | Vinyl chloride            | 50 ug/mL      |
| .VMDWM544_00011 | 04/30/15 |           | ULTRA, Lot CJ-0858 |                      | (Purchased Reagent) |              | Bromomethane              | 2000 ug/mL    |
|                 |          |           |                    |                      |                     |              | Chloroethane              | 2000 ug/mL    |
|                 |          |           |                    |                      |                     |              | Chloromethane             | 2000 ug/mL    |
|                 |          |           |                    |                      |                     |              | Dichlorodifluoromethane   | 2000 ug/mL    |
|                 |          |           |                    |                      |                     |              | Trichlorofluoromethane    | 2000 ug/mL    |
|                 |          |           |                    |                      |                     |              | Vinyl chloride            | 2000 ug/mL    |
| VMCGAS_00101    | 12/21/12 | 12/14/12  | MEOH, Lot 123279   | 10 mL                | VMDWM544_00011      | 0.25 mL      | Bromomethane              | 50 ug/mL      |
|                 |          |           |                    |                      |                     |              | Chloroethane              | 50 ug/mL      |
|                 |          |           |                    |                      |                     |              | Chloromethane             | 50 ug/mL      |
|                 |          |           |                    |                      |                     |              | Vinyl chloride            | 50 ug/mL      |
| .VMDWM544_00011 | 04/30/15 |           | ULTRA, Lot CJ-0858 |                      | (Purchased Reagent) |              | Bromomethane              | 2000 ug/mL    |
|                 |          |           |                    |                      |                     |              | Chloroethane              | 2000 ug/mL    |
|                 |          |           |                    |                      |                     |              | Chloromethane             | 2000 ug/mL    |
|                 |          |           |                    |                      |                     |              | Vinyl chloride            | 2000 ug/mL    |
| VMFASWS_00121   | 12/17/12 | 12/10/12  | MEOH, Lot na       | 3 mL                 | VMFAS_00033         | 3 mL         | Bromomethane              | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Chloroethane              | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Chloromethane             | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Vinyl chloride            | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | 1,1,1-Trichloroethane     | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | 1,1,2,2-Tetrachloroethane | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | 1,1,2-Trichloroethane     | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | 1,1-Dichloroethane        | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | 1,1-Dichloroethene        | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | 1,2-Dibromoethane         | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | 1,2-Dichloroethane        | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | 1,2-Dichloroethene, Total | 50 ug/mL      |
|                 |          |           |                    |                      |                     |              | 1,2-Dichloropropane       | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Benzene                   | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Bromodichloromethane      | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Bromoform                 | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Carbon disulfide          | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Carbon tetrachloride      | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Chlorobenzene             | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Chloroform                | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | cis-1,2-Dichloroethene    | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | cis-1,3-Dichloropropene   | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Dibromochloromethane      | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Ethylbenzene              | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | m-Xylene & p-Xylene       | 50 ug/mL      |
|                 |          |           |                    |                      |                     |              | Methyl tert-butyl ether   | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | Methylene Chloride        | 25 ug/mL      |
|                 |          |           |                    |                      |                     |              | o-Xylene                  | 25 ug/mL      |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID   | Exp Date | Prep Date | Dilutant Used    | Reagent Final Volume | Parent Reagent |              | Analyte                     | Concentration |
|--------------|----------|-----------|------------------|----------------------|----------------|--------------|-----------------------------|---------------|
|              |          |           |                  |                      | Reagent ID     | Volume Added |                             |               |
|              |          |           |                  |                      |                |              | Styrene                     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Tetrachloroethene           | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Toluene                     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | trans-1,2-Dichloroethene    | 25 ug/mL      |
|              |          |           |                  |                      |                |              | trans-1,3-Dichloropropene   | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Trichloroethene             | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Xylenes, Total              | 75 ug/mL      |
|              |          |           |                  |                      |                |              | Bromochloromethane          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 2-Butanone (MEK)            | 50 ug/mL      |
|              |          |           |                  |                      |                |              | 2-Hexanone                  | 50 ug/mL      |
| .VMFAS_00033 | 12/20/12 | 11/20/12  | MEOH, Lot 123279 | 100 mL               | VM48799U_00012 | 1.25 mL      | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL      |
|              |          |           |                  |                      |                |              | Acetone                     | 50 ug/mL      |
|              |          |           |                  |                      |                |              | Bromomethane                | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Chloroethane                | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Chloromethane               | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Vinyl chloride              | 25 ug/mL      |
|              |          |           |                  |                      | VM556005_00011 | 1 mL         | 1,1,1-Trichloroethane       | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1,2,2-Tetrachloroethane   | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1,2-Trichloroethane       | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1-Dichloroethane          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1-Dichloroethene          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dibromoethane           | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dichloroethane          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dichloroethene, Total   | 50 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dichloropropane         | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Benzene                     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Bromodichloromethane        | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Bromoform                   | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Carbon disulfide            | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Carbon tetrachloride        | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Chlorobenzene               | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Chloroform                  | 25 ug/mL      |
|              |          |           |                  |                      |                |              | cis-1,2-Dichloroethene      | 25 ug/mL      |
|              |          |           |                  |                      |                |              | cis-1,3-Dichloropropene     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Dibromochloromethane        | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Ethylbenzene                | 25 ug/mL      |
|              |          |           |                  |                      |                |              | m-Xylene & p-Xylene         | 50 ug/mL      |
|              |          |           |                  |                      |                |              | Methyl tert-butyl ether     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Methylene Chloride          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | o-Xylene                    | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Styrene                     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Tetrachloroethene           | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Toluene                     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | trans-1,2-Dichloroethene    | 25 ug/mL      |
|              |          |           |                  |                      |                |              | trans-1,3-Dichloropropene   | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Trichloroethene             | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Xylenes, Total              | 75 ug/mL      |
|              |          |           |                  |                      | VM563136_00007 | 1 mL         | Bromochloromethane          | 25 ug/mL      |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID       | Exp Date | Prep Date            | Dilutant Used | Reagent Final Volume | Parent Reagent      |              | Analyte                     | Concentration |
|------------------|----------|----------------------|---------------|----------------------|---------------------|--------------|-----------------------------|---------------|
|                  |          |                      |               |                      | Reagent ID          | Volume Added |                             |               |
|                  |          |                      |               |                      | VM861149_00017      | 2.5 mL       | 2-Butanone (MEK)            | 50 ug/mL      |
|                  |          |                      |               |                      |                     |              | 2-Hexanone                  | 50 ug/mL      |
|                  |          |                      |               |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL      |
|                  |          |                      |               |                      |                     |              | Acetone                     | 50 ug/mL      |
| ..VM48799U_00012 | 06/30/13 | Supelco, Lot LB91213 |               |                      | (Purchased Reagent) |              | Bromomethane                | 2000 ug/mL    |
|                  |          |                      |               |                      |                     |              | Chloroethane                | 2000 ug/mL    |
|                  |          |                      |               |                      |                     |              | Chloromethane               | 2000 ug/mL    |
|                  |          |                      |               |                      |                     |              | Vinyl chloride              | 2000 ug/mL    |
| ..VM556005_00011 | 05/31/13 | Restek, Lot A085142  |               |                      | (Purchased Reagent) |              | 1,1,1-Trichloroethane       | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | 1,1,2,2-Tetrachloroethane   | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | 1,1,2-Trichloroethane       | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | 1,1-Dichloroethane          | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | 1,1-Dichloroethene          | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | 1,2-Dibromoethane           | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | 1,2-Dichloroethane          | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | 1,2-Dichloroethene, Total   | 5000 ug/mL    |
|                  |          |                      |               |                      |                     |              | 1,2-Dichloropropane         | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Benzene                     | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Bromodichloromethane        | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Bromoform                   | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Carbon disulfide            | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Carbon tetrachloride        | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Chlorobenzene               | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Chloroform                  | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | cis-1,2-Dichloroethene      | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | cis-1,3-Dichloropropene     | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Dibromochloromethane        | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Ethylbenzene                | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | m-Xylene & p-Xylene         | 5000 ug/mL    |
|                  |          |                      |               |                      |                     |              | Methyl tert-butyl ether     | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Methylene Chloride          | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | o-Xylene                    | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Styrene                     | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Tetrachloroethene           | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Toluene                     | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | trans-1,2-Dichloroethene    | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | trans-1,3-Dichloropropene   | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Trichloroethene             | 2500 ug/mL    |
|                  |          |                      |               |                      |                     |              | Xylenes, Total              | 7500 ug/mL    |
| ..VM563136_00007 | 11/30/16 | Restek, Lot A085140  |               |                      | (Purchased Reagent) |              | Bromochloromethane          | 2500 ug/mL    |
| ..VM861149_00017 | 11/30/13 | Supelco, Lot LB85301 |               |                      | (Purchased Reagent) |              | 2-Butanone (MEK)            | 2000 ug/mL    |
|                  |          |                      |               |                      |                     |              | 2-Hexanone                  | 2000 ug/mL    |
|                  |          |                      |               |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 2000 ug/mL    |
|                  |          |                      |               |                      |                     |              | Acetone                     | 2000 ug/mL    |
| VMFASWS_00122    | 12/20/12 | 12/14/12             | MEOH, Lot na  | 3 mL                 | VMFAS_00033         | 3 mL         | Bromomethane                | 25 ug/mL      |
|                  |          |                      |               |                      |                     |              | Chloroethane                | 25 ug/mL      |
|                  |          |                      |               |                      |                     |              | Chloromethane               | 25 ug/mL      |



REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID   | Exp Date | Prep Date | Dilutant Used    | Reagent Final Volume | Parent Reagent |              | Analyte                     | Concentration |
|--------------|----------|-----------|------------------|----------------------|----------------|--------------|-----------------------------|---------------|
|              |          |           |                  |                      | Reagent ID     | Volume Added |                             |               |
|              |          |           |                  |                      |                |              | Vinyl chloride              | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1,1-Trichloroethane       | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1,2,2-Tetrachloroethane   | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1,2-Trichloroethane       | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1-Dichloroethane          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1-Dichloroethene          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dibromoethane           | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dichloroethane          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dichloroethene, Total   | 50 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dichloropropane         | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Benzene                     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Bromodichloromethane        | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Bromoform                   | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Carbon disulfide            | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Carbon tetrachloride        | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Chlorobenzene               | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Chloroform                  | 25 ug/mL      |
|              |          |           |                  |                      |                |              | cis-1,3-Dichloropropene     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Dibromochloromethane        | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Ethylbenzene                | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Methyl tert-butyl ether     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Methylene Chloride          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Styrene                     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Tetrachloroethene           | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Toluene                     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | trans-1,3-Dichloropropene   | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Trichloroethene             | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Xylenes, Total              | 75 ug/mL      |
|              |          |           |                  |                      |                |              | Bromochloromethane          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 2-Butanone (MEK)            | 50 ug/mL      |
|              |          |           |                  |                      |                |              | 2-Hexanone                  | 50 ug/mL      |
|              |          |           |                  |                      |                |              | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL      |
|              |          |           |                  |                      |                |              | Acetone                     | 50 ug/mL      |
| .VMFAS_00033 | 12/20/12 | 11/20/12  | MEOH, Lot 123279 | 100 mL               | VM48799U_00012 | 1.25 mL      | Bromomethane                | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Chloroethane                | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Chloromethane               | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Vinyl chloride              | 25 ug/mL      |
|              |          |           |                  |                      | VM556005_00011 | 1 mL         | 1,1,1-Trichloroethane       | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1,2,2-Tetrachloroethane   | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1,2-Trichloroethane       | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1-Dichloroethane          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,1-Dichloroethene          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dibromoethane           | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dichloroethane          | 25 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dichloroethene, Total   | 50 ug/mL      |
|              |          |           |                  |                      |                |              | 1,2-Dichloropropane         | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Benzene                     | 25 ug/mL      |
|              |          |           |                  |                      |                |              | Bromodichloromethane        | 25 ug/mL      |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID       | Exp Date | Prep Date                   | Dilutant Used | Reagent Final Volume | Parent Reagent            |              | Analyte                   | Concentration |
|------------------|----------|-----------------------------|---------------|----------------------|---------------------------|--------------|---------------------------|---------------|
|                  |          |                             |               |                      | Reagent ID                | Volume Added |                           |               |
|                  |          |                             |               |                      |                           |              | Bromoform                 | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | Carbon disulfide          | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | Carbon tetrachloride      | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | Chlorobenzene             | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | Chloroform                | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | cis-1,3-Dichloropropene   | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | Dibromochloromethane      | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | Ethylbenzene              | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | Methyl tert-butyl ether   | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | Methylene Chloride        | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | Styrene                   | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | Tetrachloroethene         | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | Toluene                   | 25 ug/mL      |
|                  |          |                             |               |                      |                           |              | trans-1,3-Dichloropropene | 25 ug/mL      |
|                  |          |                             |               |                      | Trichloroethene           | 25 ug/mL     |                           |               |
|                  |          |                             |               |                      | Xylenes, Total            | 75 ug/mL     |                           |               |
|                  |          |                             |               |                      | VM563136_00007            | 1 mL         | Bromochloromethane        | 25 ug/mL      |
| VM861149_00017   | 2.5 mL   | 2-Butanone (MEK)            | 50 ug/mL      |                      |                           |              |                           |               |
|                  |          | 2-Hexanone                  | 50 ug/mL      |                      |                           |              |                           |               |
|                  |          | 4-Methyl-2-pentanone (MIBK) | 50 ug/mL      |                      |                           |              |                           |               |
|                  |          | Acetone                     | 50 ug/mL      |                      |                           |              |                           |               |
| ..VM48799U_00012 | 06/30/13 | Supelco, Lot LB91213        |               | (Purchased Reagent)  | Bromomethane              | 2000 ug/mL   |                           |               |
|                  |          |                             |               |                      | Chloroethane              | 2000 ug/mL   |                           |               |
|                  |          |                             |               |                      | Chloromethane             | 2000 ug/mL   |                           |               |
|                  |          |                             |               |                      | Vinyl chloride            | 2000 ug/mL   |                           |               |
| ..VM556005_00011 | 05/31/13 | Restek, Lot A085142         |               | (Purchased Reagent)  | 1,1,1-Trichloroethane     | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | 1,1,2,2-Tetrachloroethane | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | 1,1,2-Trichloroethane     | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | 1,1-Dichloroethane        | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | 1,1-Dichloroethene        | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | 1,2-Dibromoethane         | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | 1,2-Dichloroethane        | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | 1,2-Dichloroethene, Total | 5000 ug/mL   |                           |               |
|                  |          |                             |               |                      | 1,2-Dichloropropane       | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Benzene                   | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Bromodichloromethane      | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Bromoform                 | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Carbon disulfide          | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Carbon tetrachloride      | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Chlorobenzene             | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Chloroform                | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | cis-1,3-Dichloropropene   | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Dibromochloromethane      | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Ethylbenzene              | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Methyl tert-butyl ether   | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Methylene Chloride        | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Styrene                   | 2500 ug/mL   |                           |               |
|                  |          |                             |               |                      | Tetrachloroethene         | 2500 ug/mL   |                           |               |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID       | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |              | Analyte                               | Concentration |
|------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|---------------------------------------|---------------|
|                  |          |           |                      |                      | Reagent ID          | Volume Added |                                       |               |
|                  |          |           |                      |                      |                     |              | Toluene                               | 2500 ug/mL    |
|                  |          |           |                      |                      |                     |              | trans-1,3-Dichloropropene             | 2500 ug/mL    |
|                  |          |           |                      |                      |                     |              | Trichloroethene                       | 2500 ug/mL    |
|                  |          |           |                      |                      |                     |              | Xylenes, Total                        | 7500 ug/mL    |
| ..VM563136_00007 | 11/30/16 |           | Restek, Lot A085140  |                      | (Purchased Reagent) |              | Bromochloromethane                    | 2500 ug/mL    |
| ..VM861149_00017 | 11/30/13 |           | Supelco, Lot LB85301 |                      | (Purchased Reagent) |              | 2-Butanone (MEK)                      | 2000 ug/mL    |
|                  |          |           |                      |                      |                     |              | 2-Hexanone                            | 2000 ug/mL    |
|                  |          |           |                      |                      |                     |              | 4-Methyl-2-pentanone (MIBK)           | 2000 ug/mL    |
|                  |          |           |                      |                      |                     |              | Acetone                               | 2000 ug/mL    |
| VMPRIMARY_00154  | 12/17/12 | 12/10/12  | MEOH, Lot na         | 1 mL                 | VMCUS7814_00019     | 1 mL         | 1,1,1,2-Tetrachloroethane             | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,1,1-Trichloroethane                 | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,1,2,2-Tetrachloroethane             | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,1,2-Trichloro-1,2,2-trifluoroethane | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,1,2-Trichloroethane                 | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,1-Dichloroethane                    | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,1-Dichloroethene                    | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,1-Dichloropropene                   | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,2,3-Trichlorobenzene                | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,2,3-Trichloropropane                | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,2,4-Trichlorobenzene                | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,2,4-Trimethylbenzene                | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,2-Dibromo-3-Chloropropane           | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,2-Dibromoethane                     | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,2-Dichlorobenzene                   | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,2-Dichloroethane                    | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,2-Dichloroethene, Total             | 100 ug/mL     |
|                  |          |           |                      |                      |                     |              | 1,2-Dichloropropane                   | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,3,5-Trichlorobenzene                | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,3,5-Trimethylbenzene                | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,3-Dichlorobenzene                   | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,3-Dichloropropane                   | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,4-Dichlorobenzene                   | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 1,4-Dioxane                           | 2500 ug/mL    |
|                  |          |           |                      |                      |                     |              | 2,2-Dichloropropane                   | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 2-Chlorotoluene                       | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 2-Methyl-2-propanol                   | 1000 ug/mL    |
|                  |          |           |                      |                      |                     |              | 4-Chlorotoluene                       | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | 4-Isopropyltoluene                    | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | Benzene                               | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | Bromobenzene                          | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | Bromochloromethane                    | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | Bromodichloromethane                  | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | Bromoform                             | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | Carbon disulfide                      | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | Carbon tetrachloride                  | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | Chlorobenzene                         | 50 ug/mL      |
|                  |          |           |                      |                      |                     |              | Chloroform                            | 50 ug/mL      |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID       | Exp Date | Prep Date                     | Dilutant Used | Reagent Final Volume | Parent Reagent      |                                           | Analyte                     | Concentration |
|------------------|----------|-------------------------------|---------------|----------------------|---------------------|-------------------------------------------|-----------------------------|---------------|
|                  |          |                               |               |                      | Reagent ID          | Volume Added                              |                             |               |
|                  |          |                               |               |                      |                     |                                           | cis-1,2-Dichloroethene      | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | cis-1,3-Dichloropropene     | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Cyclohexane                 | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Dibromochloromethane        | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Dibromomethane              | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Ethyl methacrylate          | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Ethylbenzene                | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Hexachlorobutadiene         | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Hexane                      | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Iodomethane                 | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Isopropylbenzene            | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | m-Xylene & p-Xylene         | 100 ug/mL     |
|                  |          |                               |               |                      |                     |                                           | Methyl acetate              | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Methyl tert-butyl ether     | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Methylcyclohexane           | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Methylene Chloride          | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | n-Butylbenzene              | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | N-Propylbenzene             | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Naphthalene                 | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | o-Xylene                    | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | sec-Butylbenzene            | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Styrene                     | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | tert-Butylbenzene           | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Tetrachloroethene           | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Tetrahydrofuran             | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Toluene                     | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | trans-1,2-Dichloroethene    | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | trans-1,3-Dichloropropene   | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | trans-1,4-Dichloro-2-butene | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Trichloroethene             | 50 ug/mL      |
|                  |          |                               |               |                      |                     |                                           | Xylenes, Total              | 150 ug/mL     |
| .VMCUS7814_00019 | 02/28/14 | Ultra Scientific, Lot CJ-0210 |               |                      | (Purchased Reagent) | 1,1,1,2-Tetrachloroethane                 | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,1,1-Trichloroethane                     | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,1,2,2-Tetrachloroethane                 | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,1,2-Trichloro-1,2,2-trifluor<br>oethane | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,1,2-Trichloroethane                     | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,1-Dichloroethane                        | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,1-Dichloroethene                        | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,1-Dichloropropene                       | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,2,3-Trichlorobenzene                    | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,2,3-Trichloropropane                    | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,2,4-Trichlorobenzene                    | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,2,4-Trimethylbenzene                    | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,2-Dibromo-3-Chloropropane               | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,2-Dibromoethane                         | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,2-Dichlorobenzene                       | 50 ug/mL                    |               |
|                  |          |                               |               |                      |                     | 1,2-Dichloroethane                        | 50 ug/mL                    |               |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                   | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|---------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                           |               |
|            |          |           |               |                      |                |              | 1,2-Dichloroethene, Total | 100 ug/mL     |
|            |          |           |               |                      |                |              | 1,2-Dichloropropane       | 50 ug/mL      |
|            |          |           |               |                      |                |              | 1,3,5-Trichlorobenzene    | 50 ug/mL      |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene    | 50 ug/mL      |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene       | 50 ug/mL      |
|            |          |           |               |                      |                |              | 1,3-Dichloropropane       | 50 ug/mL      |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene       | 50 ug/mL      |
|            |          |           |               |                      |                |              | 1,4-Dioxane               | 2500 ug/mL    |
|            |          |           |               |                      |                |              | 2,2-Dichloropropane       | 50 ug/mL      |
|            |          |           |               |                      |                |              | 2-Chlorotoluene           | 50 ug/mL      |
|            |          |           |               |                      |                |              | 2-Methyl-2-propanol       | 1000 ug/mL    |
|            |          |           |               |                      |                |              | 4-Chlorotoluene           | 50 ug/mL      |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene        | 50 ug/mL      |
|            |          |           |               |                      |                |              | Benzene                   | 50 ug/mL      |
|            |          |           |               |                      |                |              | Bromobenzene              | 50 ug/mL      |
|            |          |           |               |                      |                |              | Bromochloromethane        | 50 ug/mL      |
|            |          |           |               |                      |                |              | Bromodichloromethane      | 50 ug/mL      |
|            |          |           |               |                      |                |              | Bromoform                 | 50 ug/mL      |
|            |          |           |               |                      |                |              | Carbon disulfide          | 50 ug/mL      |
|            |          |           |               |                      |                |              | Carbon tetrachloride      | 50 ug/mL      |
|            |          |           |               |                      |                |              | Chlorobenzene             | 50 ug/mL      |
|            |          |           |               |                      |                |              | Chloroform                | 50 ug/mL      |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene    | 50 ug/mL      |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene   | 50 ug/mL      |
|            |          |           |               |                      |                |              | Cyclohexane               | 50 ug/mL      |
|            |          |           |               |                      |                |              | Dibromochloromethane      | 50 ug/mL      |
|            |          |           |               |                      |                |              | Dibromomethane            | 50 ug/mL      |
|            |          |           |               |                      |                |              | Ethyl methacrylate        | 50 ug/mL      |
|            |          |           |               |                      |                |              | Ethylbenzene              | 50 ug/mL      |
|            |          |           |               |                      |                |              | Hexachlorobutadiene       | 50 ug/mL      |
|            |          |           |               |                      |                |              | Hexane                    | 50 ug/mL      |
|            |          |           |               |                      |                |              | Iodomethane               | 50 ug/mL      |
|            |          |           |               |                      |                |              | Isopropylbenzene          | 50 ug/mL      |
|            |          |           |               |                      |                |              | m-Xylene & p-Xylene       | 100 ug/mL     |
|            |          |           |               |                      |                |              | Methyl acetate            | 50 ug/mL      |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether   | 50 ug/mL      |
|            |          |           |               |                      |                |              | Methylcyclohexane         | 50 ug/mL      |
|            |          |           |               |                      |                |              | Methylene Chloride        | 50 ug/mL      |
|            |          |           |               |                      |                |              | n-Butylbenzene            | 50 ug/mL      |
|            |          |           |               |                      |                |              | N-Propylbenzene           | 50 ug/mL      |
|            |          |           |               |                      |                |              | Naphthalene               | 50 ug/mL      |
|            |          |           |               |                      |                |              | o-Xylene                  | 50 ug/mL      |
|            |          |           |               |                      |                |              | sec-Butylbenzene          | 50 ug/mL      |
|            |          |           |               |                      |                |              | Styrene                   | 50 ug/mL      |
|            |          |           |               |                      |                |              | tert-Butylbenzene         | 50 ug/mL      |
|            |          |           |               |                      |                |              | Tetrachloroethene         | 50 ug/mL      |
|            |          |           |               |                      |                |              | Tetrahydrofuran           | 50 ug/mL      |
|            |          |           |               |                      |                |              | Toluene                   | 50 ug/mL      |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID       | Exp Date | Prep Date | Dilutant Used                 | Reagent Final Volume | Parent Reagent      |              | Analyte                     | Concentration |
|------------------|----------|-----------|-------------------------------|----------------------|---------------------|--------------|-----------------------------|---------------|
|                  |          |           |                               |                      | Reagent ID          | Volume Added |                             |               |
|                  |          |           |                               |                      |                     |              | trans-1,2-Dichloroethene    | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | trans-1,3-Dichloropropene   | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | trans-1,4-Dichloro-2-butene | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Trichloroethene             | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Xylenes, Total              | 150 ug/mL     |
| VMPRIMARY_00155  | 12/21/12 | 12/14/12  | MEOH, Lot na                  | 1 mL                 | VMCUS7814_00019     | 1 mL         | 1,1,1-Trichloroethane       | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,1,2,2-Tetrachloroethane   | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,1,2-Trichloroethane       | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,1-Dichloroethane          | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,1-Dichloroethene          | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,2-Dibromoethane           | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,2-Dichloroethane          | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,2-Dichloroethene, Total   | 100 ug/mL     |
|                  |          |           |                               |                      |                     |              | 1,2-Dichloropropane         | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Benzene                     | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Bromochloromethane          | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Bromodichloromethane        | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Bromoform                   | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Carbon disulfide            | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Carbon tetrachloride        | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Chlorobenzene               | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Chloroform                  | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | cis-1,2-Dichloroethene      | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | cis-1,3-Dichloropropene     | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Dibromochloromethane        | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Ethylbenzene                | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | m-Xylene & p-Xylene         | 100 ug/mL     |
|                  |          |           |                               |                      |                     |              | Methyl tert-butyl ether     | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Methylene Chloride          | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | o-Xylene                    | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Styrene                     | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Tetrachloroethene           | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Toluene                     | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | trans-1,2-Dichloroethene    | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | trans-1,3-Dichloropropene   | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Trichloroethene             | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Xylenes, Total              | 150 ug/mL     |
| .VMCUS7814_00019 | 02/28/14 |           | Ultra Scientific, Lot CJ-0210 |                      | (Purchased Reagent) |              | 1,1,1-Trichloroethane       | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,1,2,2-Tetrachloroethane   | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,1,2-Trichloroethane       | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,1-Dichloroethane          | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,1-Dichloroethene          | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,2-Dibromoethane           | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,2-Dichloroethane          | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | 1,2-Dichloroethene, Total   | 100 ug/mL     |
|                  |          |           |                               |                      |                     |              | 1,2-Dichloropropane         | 50 ug/mL      |
|                  |          |           |                               |                      |                     |              | Benzene                     | 50 ug/mL      |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID       | Exp Date | Prep Date | Dilutant Used       | Reagent Final Volume | Parent Reagent      |              | Analyte                     | Concentration |
|------------------|----------|-----------|---------------------|----------------------|---------------------|--------------|-----------------------------|---------------|
|                  |          |           |                     |                      | Reagent ID          | Volume Added |                             |               |
|                  |          |           |                     |                      |                     |              | Bromochloromethane          | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Bromodichloromethane        | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Bromoform                   | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Carbon disulfide            | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Carbon tetrachloride        | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Chlorobenzene               | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Chloroform                  | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | cis-1,2-Dichloroethene      | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | cis-1,3-Dichloropropene     | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Dibromochloromethane        | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Ethylbenzene                | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | m-Xylene & p-Xylene         | 100 ug/mL     |
|                  |          |           |                     |                      |                     |              | Methyl tert-butyl ether     | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Methylene Chloride          | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | o-Xylene                    | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Styrene                     | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Tetrachloroethene           | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Toluene                     | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | trans-1,2-Dichloroethene    | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | trans-1,3-Dichloropropene   | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Trichloroethene             | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Xylenes, Total              | 150 ug/mL     |
| VMSUPPW_00104    | 12/17/12 | 12/10/12  | MEOH, Lot na        | 1 mL                 | VMSUPP_00018        | 1 mL         | 2-Butanone (MEK)            | 100 ug/mL     |
|                  |          |           |                     |                      |                     |              | 2-Hexanone                  | 100 ug/mL     |
|                  |          |           |                     |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL     |
|                  |          |           |                     |                      |                     |              | Acetone                     | 100 ug/mL     |
|                  |          |           |                     |                      |                     |              | Methyl acetate              | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Vinyl acetate               | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Acetonitrile                | 500 ug/mL     |
|                  |          |           |                     |                      |                     |              | Acrolein                    | 500 ug/mL     |
|                  |          |           |                     |                      |                     |              | Acrylonitrile               | 100 ug/mL     |
|                  |          |           |                     |                      |                     |              | 2-Chloroethyl vinyl ether   | 100 ug/mL     |
| .VMSUPP_00018    | 01/31/13 | 09/27/12  | MEOH, Lot 123279    | 50 mL                | VM30006_00004       | 1 mL         | 2-Butanone (MEK)            | 100 ug/mL     |
|                  |          |           |                     |                      |                     |              | 2-Hexanone                  | 100 ug/mL     |
|                  |          |           |                     |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL     |
|                  |          |           |                     |                      |                     |              | Acetone                     | 100 ug/mL     |
|                  |          |           |                     |                      | VMCU5013_00008      | 1 mL         | Methyl acetate              | 50 ug/mL      |
|                  |          |           |                     |                      | VMCUS8634_00007     | 1 mL         | Vinyl acetate               | 50 ug/mL      |
|                  |          |           |                     |                      |                     |              | Acetonitrile                | 500 ug/mL     |
|                  |          |           |                     |                      |                     |              | Acrolein                    | 500 ug/mL     |
|                  |          |           |                     |                      |                     |              | Acrylonitrile               | 100 ug/mL     |
|                  |          |           |                     |                      | VMEPA1016_00003     | 1 mL         | 2-Chloroethyl vinyl ether   | 100 ug/mL     |
| ..VM30006_00004  | 11/30/13 |           | Restek, Lot A076449 |                      | (Purchased Reagent) |              | 2-Butanone (MEK)            | 5000 ug/mL    |
|                  |          |           |                     |                      |                     |              | 2-Hexanone                  | 5000 ug/mL    |
|                  |          |           |                     |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 5000 ug/mL    |
|                  |          |           |                     |                      |                     |              | Acetone                     | 5000 ug/mL    |
| ..VMCU5013_00008 | 01/31/13 |           | Ultra, Lot CJ-3443  |                      | (Purchased Reagent) |              | Methyl acetate              | 2500 ug/mL    |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Reagent ID           | Exp Date | Prep Date           | Dilutant Used         | Reagent Final Volume | Parent Reagent      |              | Analyte                     | Concentration |
|----------------------|----------|---------------------|-----------------------|----------------------|---------------------|--------------|-----------------------------|---------------|
|                      |          |                     |                       |                      | Reagent ID          | Volume Added |                             |               |
|                      |          |                     |                       |                      |                     |              | Vinyl acetate               | 2500 ug/mL    |
| ..VMCUS8634_00007    | 01/31/13 | Ultra, Lot CJ-3453  |                       |                      | (Purchased Reagent) |              | Acetonitrile                | 25000 ug/mL   |
|                      |          |                     |                       |                      |                     |              | Acrolein                    | 25000 ug/mL   |
|                      |          |                     |                       |                      |                     |              | Acrylonitrile               | 5000 ug/mL    |
| ..VMEPA1016_00003    | 04/30/13 | Ultra, Lot CG-0850  |                       |                      | (Purchased Reagent) |              | 2-Chloroethyl vinyl ether   | 5000 ug/mL    |
| VMSUPPW_00105        | 12/21/12 | 12/14/12            | MEOH, Lot na          | 1 mL                 | VMSUPP_00018        | 1 mL         | 2-Butanone (MEK)            | 100 ug/mL     |
|                      |          |                     |                       |                      |                     |              | 2-Hexanone                  | 100 ug/mL     |
|                      |          |                     |                       |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL     |
|                      |          |                     |                       |                      |                     |              | Acetone                     | 100 ug/mL     |
| .VMSUPP_00018        | 01/31/13 | 09/27/12            | MEOH, Lot 123279      | 50 mL                | VM30006_00004       | 1 mL         | 2-Butanone (MEK)            | 100 ug/mL     |
|                      |          |                     |                       |                      |                     |              | 2-Hexanone                  | 100 ug/mL     |
|                      |          |                     |                       |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 100 ug/mL     |
|                      |          |                     |                       |                      |                     |              | Acetone                     | 100 ug/mL     |
| ..VM30006_00004      | 11/30/13 | Restek, Lot A076449 |                       |                      | (Purchased Reagent) |              | 2-Butanone (MEK)            | 5000 ug/mL    |
|                      |          |                     |                       |                      |                     |              | 2-Hexanone                  | 5000 ug/mL    |
|                      |          |                     |                       |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 5000 ug/mL    |
|                      |          |                     |                       |                      |                     |              | Acetone                     | 5000 ug/mL    |
| WCCHROME50PM2_00010  | 05/19/13 | 11/19/12            | DIWATER, Lot 11/19/12 | 1000 mL              | WCCHROMSTOCK2_00001 | 0.1414 g     | Cr (VI)                     | 49.9764 mg/L  |
|                      |          |                     |                       |                      |                     |              | Potassium Dichromate        | 141.4 mg/L    |
| .WCCHROMSTOCK2_00001 | 12/14/14 | FISHER, Lot 085767a |                       |                      | (Purchased Reagent) |              | Cr (VI)                     | 0.35344 g/g   |
|                      |          |                     |                       |                      |                     |              | Potassium Dichromate        | 1 g/g         |
| WCCHROME50PPM_00009  | 05/19/13 | 11/19/12            | DIWATER, Lot 11/19/12 | 1000 mL              | WCCHROMSTOCK1_00002 | 0.1414 g     | Cr (VI)                     | 49.9764 mg/L  |
|                      |          |                     |                       |                      |                     |              | Potassium Dichromate        | 141.4 mg/L    |
| .WCCHROMSTOCK1_00002 | 10/14/15 | FISHER, Lot 094236  |                       |                      | (Purchased Reagent) |              | Cr (VI)                     | 0.35344 g/g   |
|                      |          |                     |                       |                      |                     |              | Potassium Dichromate        | 1 g/g         |
| WCPBCHROMATE_00004   | 01/30/17 | FISHER, Lot 083960  |                       |                      | (Purchased Reagent) |              | Cr (VI)                     | 0.1608 g/g    |
|                      |          |                     |                       |                      |                     |              | Lead (II) Chromate          | 1 g/g         |



125 Market Street  
New Haven, CT 06513  
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# CERTIFICATE OF ANALYSIS

CATALOG NO: AK-101.0-GCS-BTEX

DESCRIPTION: Gasoline Calibration Standard

LOT: B5040009

SOLVENT: Methanol

EXPIRATION: Apr 5, 2015

DATE CERTIFIED: Apr 5, 2005

SAMPLE SIZE: disc.

STORAGE CONDITION: Ambient

Refer to the MSDS for  
additional safety  
information

HAZARDS: HIGHLY FLAMMABLE

☒ Included on ISO/IEC 17025 Scope of Accreditation

☒ Included on ISO Guide 34 Scope of Accreditation

| Component    | Cas Number | Purity % | Prepared<br>Concentration <sup>1</sup> | Certified Analyte<br>Concentration <sup>2</sup> |
|--------------|------------|----------|----------------------------------------|-------------------------------------------------|
|              |            | (GC/FID) | %w/v                                   | %w/v                                            |
| Benzene      | 71-43-2    | 0.006    | 0.008                                  | .000                                            |
| Toluene      | 108-88-3   | 0.027    | 0.034                                  | .000                                            |
| Ethylbenzene | 100-41-4   | 0.006    | 0.008                                  | .000                                            |
| m+p-Xylene   | N/A        | 0.023    | 0.029                                  | .000                                            |
| o-Xylene     | 95-47-6    | 0.009    | 0.012                                  | .000                                            |

5 Components

Premium, Regular leaded, and Regular unleaded gasoline mix. The BTEX concentrations were determined analytically.

1. All weights are traceable through NIST, Test No. 822/254480

2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is  $\pm 0.24\%$ . The CRM Uncertainty calculated for this product is  $\pm 6\%$ . Those values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

Certified by: R. Cooper  
Russ Cooper, QC Manager

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

OR-ORG/INO-001  
Rev. 7/11

# Certificate of Analysis

*Reid 7/6/12*

## BTEX in Gasoline

**Product Number:** BTX-3000

**Page:** 1 of 1

**Lot Number:** S-0681W

**Lot Issue Date:** Sep-2010

**Expiration Date:** Oct-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte                | CAS#        | Analyte Lot | True Value         |
|------------------------|-------------|-------------|--------------------|
| tert-butylmethyl ether | 001634-04-4 | 100         | 108511 ± 543 µg/mL |
| benzene                | 000071-43-2 | 100         | 5456 ± 27 µg/mL    |
| toluene                | 000108-88-3 | 100         | 23472 ± 117 µg/mL  |
| ethylbenzene           | 000100-41-4 | 100         | 7802 ± 39 µg/mL    |
| o-xylene               | 000095-47-6 | 100         | 9803 ± 49 µg/mL    |
| m/p-xylenes            | 001330-20-7 | 100         | 23364 ± 117 µg/mL  |
| isopropylbenzene       | 000098-82-8 | 100         | 830.1 ± 4.2 µg/mL  |
| naphthalene            | 000091-20-3 | 100         | 1904 ± 10 µg/mL    |

**Matrix:** gasoline

**Storage:** Store at Room Temperature (18-25° C)

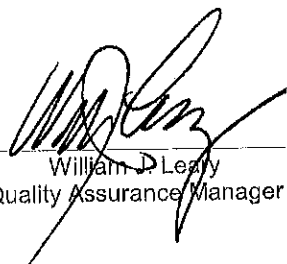
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1009

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William J. Leary  
Quality Assurance Manager



3/15/11  
TS  
Certificate of Analysis

110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 30006 Lot No.: A076449  
Description : VOA Calibration Mix #1  
Expiration Date<sup>1</sup>: November 2013 Storage: Freezer

| Elution Order                                                    | Compound                    | CAS #    | Percent Purity <sup>2</sup> | Concentration <sup>3</sup><br>(weight/volume) | % Uncertainty <sup>4</sup><br>(95% C.L.; K=2) |
|------------------------------------------------------------------|-----------------------------|----------|-----------------------------|-----------------------------------------------|-----------------------------------------------|
| 1                                                                | Acetone                     | 67-64-1  | 99%                         | 5,000.000 ug/ml                               | +/-0.58 %                                     |
| 2                                                                | 2-Butanone (MEK)            | 78-93-3  | 99%                         | 5,000.000 ug/ml                               | +/-0.58 %                                     |
| 3                                                                | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 99%                         | 5,000.000 ug/ml                               | +/-0.58 %                                     |
| 4                                                                | 2-Hexanone                  | 591-78-6 | 99%                         | 5,000.000 ug/ml                               | +/-0.58 %                                     |
| <b>Solvent:</b> P&T Methanol/Water (90:10) 67-56-1/7732-18-5 99% |                             |          |                             |                                               |                                               |

**Column:**  
105m x .53mm x 3.0um  
Rtx-502.2 (cat.#10910)

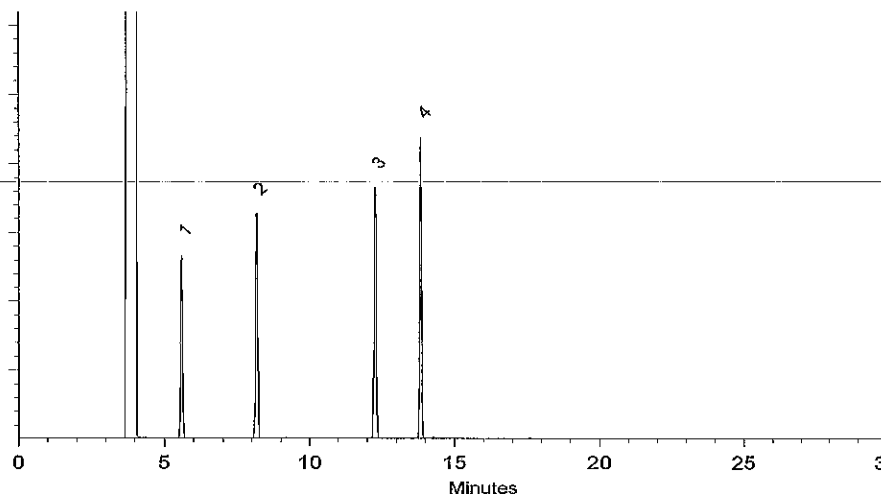
**Carrier Gas:**  
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**  
40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**  
200°C

**Det. Temp:**  
250°C

**Det. Type:**  
FID



*Sara Eyster*  
Sara Eyster, QA Analyst

Date Passed: 25-Aug-2010 Balance: 1128353505

Manufactured under Restek's ISO 9001:2008  
Registered Quality System  
Certificate #FM 80397

- 1 Expiration date of the unopened ampule stored at the recommended storage condition.
- 2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.
- 2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.
- 2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.
- 2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.
- 3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.
- 4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

# Certificate of Analysis

8/23/12  
TS

DESCRIPTION: Volatile Organic Compounds Mix 6

CATALOG NO.: 48799-U

MFG DATE: Mar-2012

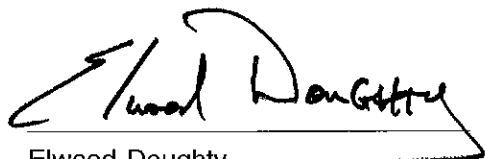
LOT NO.: LB91213

EXPIRATION DATE: Jun-2013

SOLVENT: METHANOL

| ANALYTE (1)             | CAS<br>NUMBER | PERCENT<br>PURITY (2) | WEIGHT (3)<br>CONCENTRATION | ANALYTICAL (4) | STD<br>DEV | SUPELCO<br>LOT NO |
|-------------------------|---------------|-----------------------|-----------------------------|----------------|------------|-------------------|
| BROMOMETHANE            | 74-83-9       | 99.9 (a)              | 2000                        | 2041           | +/- 35.1   | LB68220           |
| CHLOROETHANE            | 75-00-3       | 99.9 (a)              | 2000                        | 2079           | +/- 46.9   | LB55667           |
| CHLOROMETHANE           | 74-87-3       | 99.9                  | 2000                        | 2116           | +/- 61.9   | LB64986           |
| DICHLORODIFLUOROMETHANE | 75-71-8       | 99.9 (a)              | 2000                        | 2044           | +/- 88.1   | LB68837           |
| TRICHLOROFLUOROMETHANE  | 75-69-4       | 99.9 (a)              | 2000                        | 2088           | +/- 44.9   | LA91320           |
| VINYL CHLORIDE          | 75-01-4       | 99.9 (a)              | 2000                        | 2141           | +/- 45.7   | LB89571           |

- (1) Listed in alphabetical order.
- (2) Determined by capillary GC-FID, unless otherwise noted.
  - a) GC; detector HALL
- (3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.
- (4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

  
Elwood Doughty  
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

 **SUPELCO**  
Analytical

595 North Harrison Road  
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110 Benner Circle  
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## Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 556005 Lot No.: A085142  
Description: Custom Volatiles Mix 2  
Container Size: <sup>5</sup> 2 mL Pkg Amt: <sup>5</sup> > 1 mL  
Expiration Date: <sup>1</sup> May 2013 Storage: 0°C or colder

| Elution Order | Compound                                 | CAS #      | Percent Purity <sup>2</sup> | Grav. Conc. (weight/volume) <sup>3</sup> | Grav.Uncert. (95% C.L.; K=2) <sup>4</sup> |
|---------------|------------------------------------------|------------|-----------------------------|------------------------------------------|-------------------------------------------|
| 1             | 1,1,2-Trichlorotrifluoroethane (CFC-113) | 76-13-1    | 97%                         | 2,500.2 ug/mL                            | +/- 14.6724 ug/mL                         |
| 2             | 1,1-dichloroethene                       | 75-35-4    | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 3             | Methyl acetate                           | 79-20-9    | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 4             | Carbon disulfide                         | 75-15-0    | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 5             | Methylene chloride (dichloromethane)     | 75-09-2    | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 6             | Methyl-tert-butyl ether ( MTBE )         | 1634-04-4  | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 7             | cis-1,2-Dichloroethene                   | 156-59-2   | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 8             | n-Hexane (C6)                            | 110-54-3   | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 9             | 1,1-Dichloroethane                       | 75-34-3    | 98%                         | 2,500.0 ug/mL                            | +/- 17.8401 ug/mL                         |
| 10            | trans-1,2-Dichloroethene                 | 156-60-5   | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 11            | chloroform                               | 67-66-3    | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 12            | 1,1,1-trichloroethane                    | 71-55-6    | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 13            | Cyclohexane                              | 110-82-7   | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 14            | carbon tetrachloride                     | 56-23-5    | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 15            | 1,2-Dichloroethane                       | 107-06-2   | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 16            | Benzene                                  | 71-43-2    | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 17            | Trichloroethene                          | 79-01-6    | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 18            | Methylcyclohexane                        | 108-87-2   | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 19            | 1,2-Dichloropropane                      | 78-87-5    | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 20            | bromodichloromethane                     | 75-27-4    | 98%                         | 2,500.0 ug/mL                            | +/- 17.8401 ug/mL                         |
| 21            | cis-1,3-Dichloropropene                  | 10061-01-5 | 97%                         | 2,500.0 ug/mL                            | +/- 17.8401 ug/mL                         |
| 22            | Toluene                                  | 108-88-3   | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 23            | trans-1,3-Dichloropropene                | 10061-02-6 | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 24            | 1,1,2-Trichloroethane                    | 79-00-5    | 98%                         | 2,500.0 ug/mL                            | +/- 17.8401 ug/mL                         |
| 25            | Tetrachloroethene                        | 127-18-4   | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 26            | dibromochloromethane                     | 124-48-1   | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 27            | 1,2-Dibromoethane (EDB)                  | 106-93-4   | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 28            | Chlorobenzene                            | 108-90-7   | 99%                         | 2,500.0 ug/mL                            | +/- 17.8402 ug/mL                         |
| 29            | Ethylbenzene                             | 100-41-4   | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 30            | m-Xylene                                 | 108-38-3   | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 31            | p-Xylene                                 | 106-42-3   | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 32            | o-Xylene                                 | 95-47-6    | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |
| 33            | Styrene                                  | 100-42-5   | 99%                         | 2,500.0 ug/mL                            | +/- 14.6714 ug/mL                         |



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## Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 563136 Lot No.: A085140  
Description : Custom Revised Supplemental Spike Mix  
Container Size : <sup>5</sup> 2 mL Pkg Amt: <sup>5</sup> > 1 mL  
Expiration Date : <sup>1</sup> November 2016 Storage: 0°C or colder

| Elution Order | Compound                         | CAS #    | Percent Purity <sup>2</sup> | Grav. Conc. <sup>3</sup><br>(weight/volume) | Grav.Uncert. <sup>4</sup><br>(95% C.L.; K=2) |
|---------------|----------------------------------|----------|-----------------------------|---------------------------------------------|----------------------------------------------|
| 1             | Diethyl ether (ethyl ether)      | 60-29-7  | 98%                         | 2,500.2 ug/mL                               | +/- 14.6724 ug/mL                            |
| 2             | tert-Butanol (TBA)               | 75-65-0  | 99%                         | 50,001.6 ug/mL                              | +/- 292.755 ug/mL                            |
| 3             | Iodomethane (methyl iodide)      | 74-88-4  | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 4             | Diisopropyl ether ( DIPE )       | 108-20-3 | 99%                         | 2,500.4 ug/mL                               | +/- 14.6737 ug/mL                            |
| 5             | 2,2-Dichloropropane              | 594-20-7 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 6             | Isobutanol (2-Methyl-1-propanol) | 78-83-1  | 99%                         | 125,004.4 ug/mL                             | +/- 731.89 ug/mL                             |
| 7             | Bromochloromethane               | 74-97-5  | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 8             | Tetrahydrofuran                  | 109-99-9 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 9             | 1,1-Dichloropropene              | 563-58-6 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 10            | Dibromomethane                   | 74-95-3  | 98%                         | 2,500.2 ug/mL                               | +/- 14.6724 ug/mL                            |
| 11            | 1,3-Dichloropropane              | 142-28-9 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 12            | 1,1,1,2-Tetrachloroethane        | 630-20-6 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 13            | 1,2,3-Trichloropropane           | 96-18-4  | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 14            | trans-1,4-dichloro-2-butene      | 110-57-6 | 98%                         | 5,008.2 ug/mL                               | +/- 29.3241 ug/mL                            |
| 15            | n-Propylbenzene                  | 103-65-1 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 16            | Bromobenzene                     | 108-86-1 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 17            | 1,3,5-Trimethylbenzene           | 108-67-8 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 18            | 2-Chlorotoluene                  | 95-49-8  | 99%                         | 2,501.2 ug/mL                               | +/- 14.6784 ug/mL                            |
| 19            | 4-Chlorotoluene                  | 106-43-4 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 20            | tert-Butylbenzene                | 98-06-6  | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 21            | 1,2,4-Trimethylbenzene           | 95-63-6  | 99%                         | 2,500.4 ug/mL                               | +/- 14.6737 ug/mL                            |
| 22            | sec-Butylbenzene                 | 135-98-8 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 23            | 4-Isopropyltoluene (p-Cymene)    | 99-87-6  | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 24            | 1,2,3-Trimethylbenzene           | 526-73-8 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 25            | n-Butylbenzene                   | 104-51-8 | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 26            | Hexachlorobutadiene              | 87-68-3  | 98%                         | 2,500.2 ug/mL                               | +/- 14.6724 ug/mL                            |
| 27            | Naphthalene                      | 91-20-3  | 99%                         | 2,500.0 ug/mL                               | +/- 14.6714 ug/mL                            |
| 28            | 1,2,3-Trichlorobenzene           | 87-61-6  | 99%                         | 2,500.4 ug/mL                               | +/- 14.6737 ug/mL                            |

# Certificate of Analysis

6/2/12  
T3

DESCRIPTION: 8260 Ketones Mix

CATALOG NO.: 861149

MFG DATE: Jun-2011

LOT NO.: LB85301

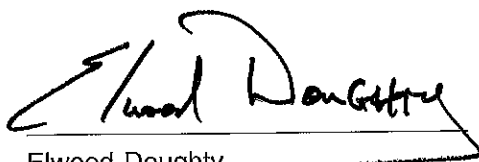
EXPIRATION DATE: Nov-2013

SOLVENT: METHANOL:WATER (30:70)

| ANALYTE (1)          | CAS      | PERCENT    | WEIGHT (3)    | ANALYTICAL (4) | STD       | SUPELCO |
|----------------------|----------|------------|---------------|----------------|-----------|---------|
|                      | NUMBER   | PURITY (2) | CONCENTRATION |                | DEV       | LOT NO  |
| ACETONE              | 67-64-1  | 99.9       | 2000          | 1891           | +/- 75.1  | LB60265 |
| CYCLOHEXANONE        | 108-94-1 | 99.5       | 20002         | 18806          | +/- 673.6 | LB67851 |
| 2-BUTANONE           | 78-93-3  | 99.9       | 2001          | 1888           | +/- 78.2  | LB38154 |
| 2-HEXANONE           | 591-78-6 | 99.9       | 2001          | 1877           | +/- 70.9  | LB57500 |
| 4-METHYL-2-PENTANONE | 108-10-1 | 99.9       | 2001          | 1910           | +/- 71.4  | LB80301 |

VM 861149 - 00015

- (1) Listed in alphabetical order.
- (2) Determined by capillary GC-FID, unless otherwise noted.
- (3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.
- (4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

  
Elwood Doughty  
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

 **SUPELCO**  
Analytical  
595 North Harrison Road  
Bellefonte, PA 16823-0048 USA  
Phone (814) 359-3441

# Certificate of Analysis

9/20/12  
TS

## Custom Standard

**Product Number:** CUS-5013

**Page:** 1 of 1

**Lot Number:** CJ-3443

**Lot Issue Date:** 13-Sep-2012

**Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte        | CAS#        | Analyte Lot | True Value      |
|----------------|-------------|-------------|-----------------|
| vinyl acetate  | 000108-05-4 | RM04478     | 2507 ± 13 µg/mL |
| methyl acetate | 000079-20-9 | NT02091     | 2505 ± 13 µg/mL |

**Matrix:** methanol (methyl alcohol)

**Storage:** Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

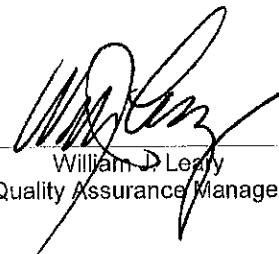


ISO 17025  
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Cert. No. 0861-01

ISO 9001  
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TUV USA, Inc.  
Cert. No. 09-1009

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William J. Leary  
Quality Assurance Manager



# Certificate of Analysis

*Rec'd  
6/11/12  
B*

## Custom Standard

**Product Number:** CUS-7814

**Page:** 1 of 4

**Lot Number:** CJ-0210

**Lot Issue Date:** 24-Jan-2012

**Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte                        | CAS#        | Analyte Lot | True Value       |
|--------------------------------|-------------|-------------|------------------|
| 1,1,2-trichlorotrifluoroethane | 000076-13-1 | 1367777     | 50.2 ± 0.3 µg/mL |
| methyl iodide                  | 000074-88-4 | 13302PC     | 50.2 ± 0.3 µg/mL |
| carbon disulfide               | 000075-15-0 | AI-12071LU  | 50.2 ± 0.3 µg/mL |
| methylene chloride             | 000075-09-2 | 48248       | 50.2 ± 0.3 µg/mL |
| tert-butanol                   | 000075-65-0 | RM00555-0   | 1005 ± 5 µg/mL   |
| 1,1-dichloroethene             | 000075-35-4 | 02226CH     | 50.2 ± 0.3 µg/mL |
| 1,1-dichloroethane             | 000075-34-3 | 64552/1     | 50.2 ± 0.3 µg/mL |
| trans-1,2-dichloroethene       | 000156-60-5 | 01306HD     | 50.2 ± 0.3 µg/mL |
| MTBE                           | 001634-04-4 | 45123       | 50.2 ± 0.3 µg/mL |
| n-hexane                       | 000110-54-3 | 4120791     | 50.2 ± 0.3 µg/mL |
| cis-1,2-dichloroethene         | 000156-59-2 | MKBB9714    | 50.2 ± 0.3 µg/mL |
| tetrahydrofuran                | 000109-99-9 | 04928DN     | 50.2 ± 0.3 µg/mL |
| chloroform                     | 000067-66-3 | 05143MN     | 50.2 ± 0.3 µg/mL |
| 1,2-dichloroethane             | 000107-06-2 | KN-09446KN  | 50.2 ± 0.3 µg/mL |
| dibromomethane                 | 000074-95-3 | EM-01514TJ  | 50.2 ± 0.3 µg/mL |
| 1,4-dioxane                    | 000123-91-1 | RM02104-01  | 2501 ± 13 µg/mL  |
| 1,1,1-trichloroethane          | 000071-55-6 | LU-13149TR  | 50.2 ± 0.3 µg/mL |
| carbon tetrachloride           | 000056-23-5 | 01704MF     | 50.2 ± 0.3 µg/mL |
| bromodichloromethane           | 000075-27-4 | 10529HD     | 50.2 ± 0.3 µg/mL |

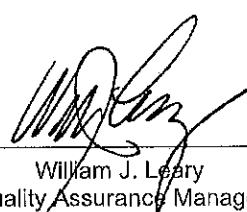
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 17025:2005  
Accredited  
AZLA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1008

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William J. Leary  
Quality Assurance Manager

# Certificate of Analysis

## Custom Standard

**Product Number:** CUS-7814

**Page:** 2 of 4

**Lot Number:** CJ-0210

**Lot Issue Date:** 24-Jan-2012

**Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

|                             |             |              |                  |
|-----------------------------|-------------|--------------|------------------|
| 1,2-dichloropropane         | 000078-87-5 | DC-120777    | 50.2 ± 0.3 µg/mL |
| cis-1,3-dichloropropene     | 010061-01-5 | PR-110509-01 | 50.2 ± 0.3 µg/mL |
| trichloroethene             | 000079-01-6 | KN-08846KN   | 50.2 ± 0.3 µg/mL |
| dibromochloromethane        | 000124-48-1 | MU-07705AN   | 50.2 ± 0.3 µg/mL |
| 1,2-dibromoethane           | 000106-93-4 | TB-101777    | 50.2 ± 0.3 µg/mL |
| 1,2,3-trichloropropane      | 000096-18-4 | 01610KH      | 50.2 ± 0.3 µg/mL |
| 1,1,2-trichloroethane       | 000079-00-5 | JB-0701HH    | 50.2 ± 0.3 µg/mL |
| benzene                     | 000071-43-2 | 34097        | 50.2 ± 0.3 µg/mL |
| ethyl methacrylate          | 000097-63-2 | 04004EH      | 50.2 ± 0.3 µg/mL |
| trans-1,3-dichloropropene   | 010061-02-6 | SR101007-01  | 50.2 ± 0.3 µg/mL |
| bromoform                   | 000075-25-2 | 12312KC      | 50.2 ± 0.3 µg/mL |
| tetrachloroethene           | 000127-18-4 | PS-00344BR   | 50.2 ± 0.3 µg/mL |
| toluene                     | 000108-88-3 | 47144        | 50.2 ± 0.3 µg/mL |
| 1,1,2,2-tetrachloroethane   | 000079-34-5 | 10917TB      | 50.2 ± 0.3 µg/mL |
| chlorobenzene               | 000108-90-7 | 07774MG      | 50.2 ± 0.3 µg/mL |
| ethylbenzene                | 000100-41-4 | 01558CC      | 50.2 ± 0.3 µg/mL |
| styrene                     | 000100-42-5 | LR-11228MQ   | 50.2 ± 0.3 µg/mL |
| trans-1,4-dichloro-2-butene | 000110-57-6 | 17013BH      | 50.2 ± 0.3 µg/mL |
| m-xylene                    | 000108-38-3 | DI-00459CI   | 50.2 ± 0.3 µg/mL |

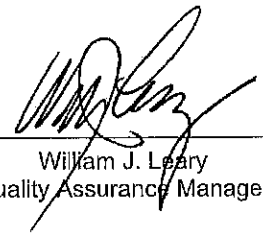
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William J. Leary  
Quality Assurance Manager

# Certificate of Analysis

## Custom Standard

**Product Number:** CUS-7814

**Page:** 3 of 4

**Lot Number:** CJ-0210

**Lot Issue Date:** 24-Jan-2012

**Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

|                        |             |            |                  |
|------------------------|-------------|------------|------------------|
| p-xylene               | 000106-42-3 | 03747LN    | 50.2 ± 0.3 µg/mL |
| o-xylene               | 000095-47-6 | DO-06834CO | 50.2 ± 0.3 µg/mL |
| 1,3-dichlorobenzene    | 000541-73-1 | JN-05902LZ | 50.2 ± 0.3 µg/mL |
| 1,4-dichlorobenzene    | 000106-46-7 | 22628EB    | 50.2 ± 0.3 µg/mL |
| 1,2-dichlorobenzene    | 000095-50-1 | 08946KY    | 50.2 ± 0.3 µg/mL |
| bromochloromethane     | 000074-97-5 | JS-16015HS | 50.2 ± 0.3 µg/mL |
| bromobenzene           | 000108-86-1 | CG-02513MF | 50.2 ± 0.3 µg/mL |
| isopropylbenzene       | 000098-82-8 | 02827BH    | 50.2 ± 0.3 µg/mL |
| n-propylbenzene        | 000103-65-1 | LO-14503MR | 50.2 ± 0.3 µg/mL |
| n-butylbenzene         | 000104-51-8 | AA-28519CO | 50.2 ± 0.3 µg/mL |
| sec-butylbenzene       | 000135-98-8 | 07610JE    | 50.2 ± 0.3 µg/mL |
| tert-butylbenzene      | 000098-06-6 | MQ-04010MQ | 50.2 ± 0.3 µg/mL |
| 1,2,4-trimethylbenzene | 000095-63-6 | BO-13528BI | 50.2 ± 0.3 µg/mL |
| 1,3,5-trimethylbenzene | 000108-67-8 | KM-02011HM | 50.2 ± 0.3 µg/mL |
| 1,2,3-trichlorobenzene | 000087-61-6 | 12912PF    | 50.2 ± 0.3 µg/mL |
| 1,2,4-trichlorobenzene | 000120-82-1 | 00334TQ    | 50.2 ± 0.3 µg/mL |
| 1,1-dichloropropene    | 000563-58-6 | PR-11130-8 | 50.2 ± 0.3 µg/mL |
| 1,3-dichloropropane    | 000142-28-9 | PR-17916MR | 50.2 ± 0.3 µg/mL |
| 2,2-dichloropropane    | 000594-20-7 | 03503TD    | 50.2 ± 0.3 µg/mL |

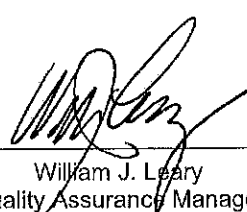
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William J. Leary  
Quality Assurance Manager

# Certificate of Analysis

## Custom Standard

**Product Number:** CUS-7814

**Page:** 4 of 4

**Lot Number:** CJ-0210

**Lot Issue Date:** 24-Jan-2012

**Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

|                             |             |            |                  |
|-----------------------------|-------------|------------|------------------|
| 2-chlorotoluene             | 000095-49-8 | KZ-03621HX | 50.2 ± 0.3 µg/mL |
| 4-chlorotoluene             | 000106-43-4 | 03327TH    | 50.2 ± 0.3 µg/mL |
| 4-isopropyltoluene          | 000099-87-6 | PP-05104CP | 50.2 ± 0.3 µg/mL |
| 1,2-dibromo-3-chloropropane | 000096-12-8 | FBL-01     | 50.2 ± 0.3 µg/mL |
| hexachlorobutadiene         | 000087-68-3 | 339923/1   | 50.1 ± 0.3 µg/mL |
| 1,1,1,2-tetrachloroethane   | 000630-20-6 | 10312DD    | 50.2 ± 0.3 µg/mL |
| naphthalene                 | 000091-20-3 | 14205KB    | 50.2 ± 0.3 µg/mL |
| methyl acetate              | 000079-20-9 | 16318HA    | 50.2 ± 0.3 µg/mL |
| methylcyclohexane           | 000108-87-2 | 02348HD    | 50.2 ± 0.3 µg/mL |
| cyclohexane                 | 000110-82-7 | 46184      | 50.2 ± 0.3 µg/mL |
| 1,3,5-trichlorobenzene      | 000108-70-3 | HW-00718EV | 50.2 ± 0.3 µg/mL |

**Matrix:** methanol (methyl alcohol)

**Storage:** Store at < 4° C

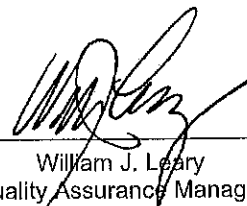
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Quality Assurance Manager

# Certificate of Analysis

9/20/12  
13

## Custom Standard

**Product Number:** CUS-8634

**Page:** 1 of 1

**Lot Number:** CJ-3453

**Lot Issue Date:** 13-Sep-2012

**Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte       | CAS#        | Analyte Lot | True Value        |
|---------------|-------------|-------------|-------------------|
| acrylonitrile | 000107-13-1 | RM05172     | 5015 ± 25 µg/mL   |
| acetonitrile  | 000075-05-8 | RM01645     | 25035 ± 125 µg/mL |
| acrolein      | 000107-02-8 | RM01532     | 25058 ± 125 µg/mL |

**Matrix:** methanol (methyl alcohol)

**Storage:** Store at < 4° C

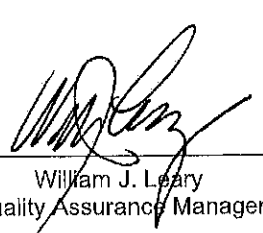
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Quality Assurance Manager

## VOC Gas Mixture

**Product Number:** DWM-544

**Page:** 1 of 1

**Lot Number:** CJ-0858

**Lot Issue Date:** 15-Mar-2012

**Expiration Date:** 30-Apr-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte                 | CAS#        | Analyte Lot | True Value      |
|-------------------------|-------------|-------------|-----------------|
| bromomethane            | 000074-83-9 | 06623AQ     | 2008 ± 10 µg/mL |
| chloroethane            | 000075-00-3 | 00223KG     | 2009 ± 10 µg/mL |
| chloromethane           | 000074-87-3 | 07-44048    | 2008 ± 10 µg/mL |
| dichlorodifluoromethane | 000075-71-8 | Q96-67      | 2008 ± 10 µg/mL |
| trichlorofluoromethane  | 000075-69-4 | DR-16417BR  | 2006 ± 10 µg/mL |
| vinyl chloride          | 000075-01-4 | 1201FC10    | 2008 ± 10 µg/mL |

**Matrix:** methanol (methyl alcohol)

**Storage:** Store at < 4° C

VMDWM544-00011

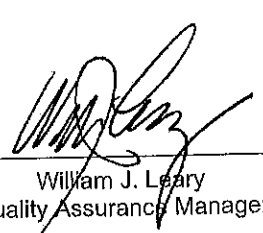
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Quality Assurance Manager

# Certificate of Analysis

75  
6/9/11

## 2-Chloroethylvinyl Ether Solution

**Product Number:** EPA-1016

**Page:** 1 of 1

**Lot Number:** CG-0850

**Lot Issue Date:** Mar-2010

**Expiration Date:** Apr-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte                  | CAS#        | Analyte Lot | True Value      |
|--------------------------|-------------|-------------|-----------------|
| 2-chloroethylvinyl ether | 000110-75-8 | 04606CJ     | 5015 ± 25 µg/mL |

**Matrix:** methanol (methyl alcohol)

VMEPA 1016 - 00003

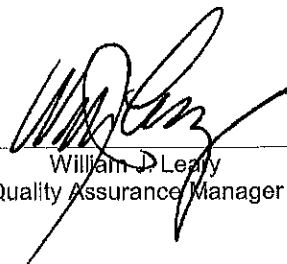
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William J. Leary  
Quality Assurance Manager

## Internal Standard Mixture

**Product Number:** STM-520

**Page:** 1 of 1

**Lot Number:** CH-3660

**Lot Issue Date:** 15-Nov-2011

**Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte                | CAS#        | Analyte Lot | True Value      |
|------------------------|-------------|-------------|-----------------|
| chlorobenzene-d5       | 003114-55-4 | RM01430-01  | 2503 ± 13 µg/mL |
| 1,4-dichlorobenzene-d4 | 003855-82-1 | RM01700-06  | 2500 ± 13 µg/mL |
| fluorobenzene          | 000462-06-6 | RM03366-01  | 2513 ± 13 µg/mL |

**Matrix:** methanol (methyl alcohol)

**Storage:** Store at < 4° C

VMSTM 520-00016

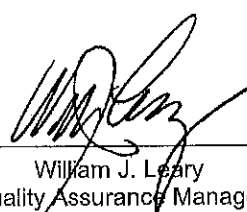
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Quality Assurance Manager



# Certificate of Analysis

10/10/12  
TS

## Method 8260 Surrogate Standard Mixture

Product Number: STM-530

Page: 1 of 1

Lot Number: CJ-1280

Lot Issue Date: 17-Apr-2012

Expiration Date: 31-May-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte               | CAS#        | Analyte Lot | True Value      |
|-----------------------|-------------|-------------|-----------------|
| 4-bromofluorobenzene  | 000460-00-4 | RM03908-    | 2512 ± 13 µg/mL |
| dibromofluoromethane  | 001868-53-7 | RM04871-01  | 2512 ± 13 µg/mL |
| 1,2-dichloroethane-d4 | 017060-07-0 | RM04304-    | 2512 ± 13 µg/mL |
| toluene-d8            | 002037-26-5 | RM04138-    | 2512 ± 13 µg/mL |

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

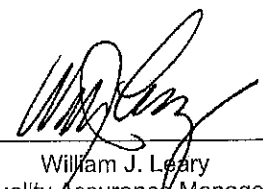
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William J. Leary  
Quality Assurance Manager

## Certification Summary

Client: Environmental Chemical Corp.  
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-18735-1

| Laboratory         | Authority    | Program       | EPA Region | Certification ID |
|--------------------|--------------|---------------|------------|------------------|
| TestAmerica Canton | California   | NELAP         | 9          | 01144CA          |
| TestAmerica Canton | Connecticut  | State Program | 1          | PH-0590          |
| TestAmerica Canton | Florida      | NELAP         | 4          | E87225           |
| TestAmerica Canton | Georgia      | State Program | 4          | N/A              |
| TestAmerica Canton | Illinois     | NELAP         | 5          | 200004           |
| TestAmerica Canton | Kansas       | NELAP         | 7          | E-10336          |
| TestAmerica Canton | Kentucky     | State Program | 4          | 58               |
| TestAmerica Canton | L-A-B        | DoD ELAP      |            | L2315            |
| TestAmerica Canton | Nevada       | State Program | 9          | OH-000482008A    |
| TestAmerica Canton | New Jersey   | NELAP         | 2          | OH001            |
| TestAmerica Canton | New York     | NELAP         | 2          | 10975            |
| TestAmerica Canton | Ohio VAP     | State Program | 5          | CL0024           |
| TestAmerica Canton | Pennsylvania | NELAP         | 3          | 68-00340         |
| TestAmerica Canton | Texas        | NELAP         | 6          |                  |
| TestAmerica Canton | USDA         | Federal       |            | P330-11-00328    |
| TestAmerica Canton | Virginia     | NELAP         | 3          | 460175           |
| TestAmerica Canton | Washington   | State Program | 10         | C971             |
| TestAmerica Canton | Wisconsin    | State Program | 5          | 999518190        |

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

# Method 8260B DOD

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Volatile Organic Compounds (GC/MS)  
by Method 8260B/DOD

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low  
GC Column (1): DB-624 ID: 0.18 (mm)

| Client Sample ID | Lab Sample ID    | DBFM # | DCA # | TOL # | BFB # |
|------------------|------------------|--------|-------|-------|-------|
|                  | MRL 240-69591/5  | 99     | 88    | 97    | 97    |
|                  | MRL 240-69591/18 | 98     | 92    | 99    | 101   |

|                                    |                  |
|------------------------------------|------------------|
|                                    | <u>QC LIMITS</u> |
| DBFM = Dibromofluoromethane (Surr) | 50-150           |
| DCA = 1,2-Dichloroethane-d4 (Surr) | 50-150           |
| TOL = Toluene-d8 (Surr)            | 50-150           |
| BFB = 4-Bromofluorobenzene (Surr)  | 50-150           |

# Column to be used to flag recovery values

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low  
GC Column (1): DB-624 ID: 0.18 (mm)

| Client Sample ID | Lab Sample ID   | DBFM # | DCA # | TOL # | BFB # |
|------------------|-----------------|--------|-------|-------|-------|
| 070-0060-0001-TB | 240-18735-7     | 104    | 95    | 92    | 89    |
|                  | MB 240-69591/6  | 99     | 91    | 95    | 91    |
|                  | LCS 240-69591/4 | 98     | 90    | 98    | 107   |

|                                    |                  |
|------------------------------------|------------------|
|                                    | <u>QC LIMITS</u> |
| DBFM = Dibromofluoromethane (Surr) | 85-115           |
| DCA = 1,2-Dichloroethane-d4 (Surr) | 70-120           |
| TOL = Toluene-d8 (Surr)            | 85-120           |
| BFB = 4-Bromofluorobenzene (Surr)  | 75-120           |

# Column to be used to flag recovery values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low Lab File ID: UXX1588.D  
 Lab ID: LCS 240-69591/4 Client ID: \_\_\_\_\_

| COMPOUND                    | SPIKE<br>ADDED<br>(ug/L) | LCS<br>CONCENTRATION<br>(ug/L) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-----------------------------|--------------------------|--------------------------------|-----------------|---------------------|---|
| 1,1,1-Trichloroethane       | 10.0                     | 9.73                           | 97              | 65-130              |   |
| 1,1,2,2-Tetrachloroethane   | 10.0                     | 8.20                           | 82              | 65-130              |   |
| 1,1,2-Trichloroethane       | 10.0                     | 9.41                           | 94              | 75-125              |   |
| 1,1-Dichloroethane          | 10.0                     | 9.80                           | 98              | 70-135              |   |
| 1,1-Dichloroethene          | 10.0                     | 9.70                           | 97              | 70-130              |   |
| 1,2-Dichloroethane          | 10.0                     | 9.38                           | 94              | 70-130              |   |
| 1,2-Dichloropropane         | 10.0                     | 9.91                           | 99              | 75-125              |   |
| 2-Butanone (MEK)            | 20.0                     | 18.0                           | 90              | 30-150              |   |
| 2-Hexanone                  | 20.0                     | 17.6                           | 88              | 55-130              |   |
| 4-Methyl-2-pentanone (MIBK) | 20.0                     | 19.8                           | 99              | 60-135              |   |
| Acetone                     | 20.0                     | 20.6                           | 103             | 40-140              |   |
| Benzene                     | 10.0                     | 9.74                           | 97              | 80-120              |   |
| Bromoform                   | 10.0                     | 8.65                           | 86              | 70-130              |   |
| Bromomethane                | 10.0                     | 8.59                           | 86              | 30-145              |   |
| Carbon disulfide            | 10.0                     | 10.2                           | 102             | 35-160              |   |
| Carbon tetrachloride        | 10.0                     | 9.96                           | 100             | 65-140              |   |
| Chlorobenzene               | 10.0                     | 9.56                           | 96              | 80-120              |   |
| Chloromethane               | 10.0                     | 8.62                           | 86              | 40-125              |   |
| cis-1,3-Dichloropropene     | 10.0                     | 9.52                           | 95              | 70-130              |   |
| Dibromochloromethane        | 10.0                     | 9.25                           | 92              | 60-135              |   |
| Bromodichloromethane        | 10.0                     | 9.81                           | 98              | 75-120              |   |
| Ethylbenzene                | 10.0                     | 9.95                           | 100             | 75-125              |   |
| Methyl tert-butyl ether     | 10.0                     | 9.55                           | 96              | 65-125              |   |
| Methylene Chloride          | 10.0                     | 9.92                           | 99              | 55-140              |   |
| Styrene                     | 10.0                     | 10.1                           | 101             | 65-135              |   |
| Tetrachloroethene           | 10.0                     | 9.89                           | 99              | 45-150              |   |
| Toluene                     | 10.0                     | 9.48                           | 95              | 75-120              |   |
| trans-1,3-Dichloropropene   | 10.0                     | 8.78                           | 88              | 55-140              |   |
| Trichloroethene             | 10.0                     | 10.2                           | 102             | 70-125              |   |
| Vinyl chloride              | 10.0                     | 8.84                           | 88              | 50-145              |   |
| Xylenes, Total              | 30.0                     | 30.2                           | 101             | 75-130              |   |
| Chloroform                  | 10.0                     | 9.19                           | 92              | 65-135              |   |
| Bromochloromethane          | 10.0                     | 9.74                           | 97              | 65-130              |   |
| Chloroethane                | 10.0                     | 9.33                           | 93              | 60-135              |   |

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: UXX1589.D  
Lab ID: MRL 240-69591/5 Client ID: \_\_\_\_\_

| COMPOUND                    | SPIKE<br>ADDED<br>(ng/uL) | MRL<br>CONCENTRATION<br>(ng/uL) | MRL<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-----------------------------|---------------------------|---------------------------------|-----------------|---------------------|---|
| 1,1,1-Trichloroethane       | 0.00100                   | 0.000965 J                      | 97              | 70-130              |   |
| 1,1,2,2-Tetrachloroethane   | 0.00100                   | 0.000928 J                      | 93              | 70-130              |   |
| 1,1,2-Trichloroethane       | 0.00100                   | 0.000894 J                      | 89              | 70-130              |   |
| 1,1-Dichloroethane          | 0.00100                   | 0.000865 J                      | 86              | 70-130              |   |
| 1,1-Dichloroethene          | 0.00100                   | 0.000938 J                      | 94              | 70-130              |   |
| 1,2-Dichloroethane          | 0.00100                   | 0.000901 J                      | 90              | 70-130              |   |
| 1,2-Dichloropropane         | 0.00100                   | 0.000908 J                      | 91              | 70-130              |   |
| 2-Butanone (MEK)            | 0.0100                    | 0.00922 J                       | 92              | 70-130              |   |
| 2-Hexanone                  | 0.0100                    | 0.00828 J                       | 83              | 70-130              |   |
| 4-Methyl-2-pentanone (MIBK) | 0.0100                    | 0.00899 J                       | 90              | 70-130              |   |
| Acetone                     | 0.0100                    | 0.00910 J                       | 91              | 70-130              |   |
| Benzene                     | 0.00100                   | 0.000979 J                      | 98              | 70-130              |   |
| Bromoform                   | 0.00100                   | 0.000679 J                      | 68              | 70-130              | ^ |
| Bromomethane                | 0.00100                   | 0.00103                         | 103             | 70-130              |   |
| Carbon disulfide            | 0.00100                   | 0.00102                         | 102             | 70-130              |   |
| Carbon tetrachloride        | 0.00100                   | 0.000896 J                      | 90              | 70-130              |   |
| Chlorobenzene               | 0.00100                   | 0.000910 J                      | 91              | 70-130              |   |
| Chloromethane               | 0.00100                   | 0.000961 J                      | 96              | 70-130              |   |
| cis-1,3-Dichloropropene     | 0.00100                   | 0.000779 J                      | 78              | 70-130              |   |
| Dibromochloromethane        | 0.00100                   | 0.000754 J                      | 75              | 70-130              |   |
| Bromodichloromethane        | 0.00100                   | 0.000865 J                      | 86              | 70-130              |   |
| Ethylbenzene                | 0.00100                   | 0.000799 J                      | 80              | 70-130              |   |
| Methyl tert-butyl ether     | 0.00100                   | 0.000889 J                      | 89              | 70-130              |   |
| Methylene Chloride          | 0.00100                   | 0.00105                         | 105             | 70-130              |   |
| Styrene                     | 0.00100                   | 0.000737 J                      | 74              | 70-130              |   |
| Tetrachloroethene           | 0.00100                   | 0.000980 J                      | 98              | 70-130              |   |
| Toluene                     | 0.00100                   | 0.000959 J                      | 96              | 70-130              |   |
| trans-1,3-Dichloropropene   | 0.00100                   | 0.000696 J                      | 70              | 70-130              |   |
| Trichloroethene             | 0.00100                   | 0.000960 J                      | 96              | 70-130              |   |
| Vinyl chloride              | 0.00100                   | 0.000959 J                      | 96              | 70-130              |   |
| Xylenes, Total              | 0.00300                   | 0.00253                         | 84              | 70-130              |   |
| Chloroform                  | 0.00100                   | 0.000918 J                      | 92              | 70-130              |   |
| Bromochloromethane          | 0.00100                   | 0.000922 J                      | 92              | 70-130              |   |
| Chloroethane                | 0.00100                   | 0.000981 J                      | 98              | 70-130              |   |

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low Lab File ID: UXX1602.D  
 Lab ID: MRL 240-69591/18 Client ID: \_\_\_\_\_

| COMPOUND                    | SPIKE<br>ADDED<br>(ng/uL) | MRL<br>CONCENTRATION<br>(ng/uL) | MRL<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-----------------------------|---------------------------|---------------------------------|-----------------|---------------------|---|
| 1,1,1-Trichloroethane       | 0.00100                   | 0.000975 J                      | 98              | 70-130              |   |
| 1,1,2,2-Tetrachloroethane   | 0.00100                   | 0.000914 J                      | 91              | 70-130              |   |
| 1,1,2-Trichloroethane       | 0.00100                   | 0.000955 J                      | 96              | 70-130              |   |
| 1,1-Dichloroethane          | 0.00100                   | 0.000967 J                      | 97              | 70-130              |   |
| 1,1-Dichloroethene          | 0.00100                   | 0.000977 J                      | 98              | 70-130              |   |
| 1,2-Dichloroethane          | 0.00100                   | 0.00101                         | 101             | 70-130              |   |
| 1,2-Dichloropropane         | 0.00100                   | 0.000992 J                      | 99              | 70-130              |   |
| 2-Butanone (MEK)            | 0.0100                    | 0.00903 J                       | 90              | 70-130              |   |
| 2-Hexanone                  | 0.0100                    | 0.00856 J                       | 86              | 70-130              |   |
| 4-Methyl-2-pentanone (MIBK) | 0.0100                    | 0.00853 J                       | 85              | 70-130              |   |
| Acetone                     | 0.0100                    | 0.00944 J                       | 94              | 70-130              |   |
| Benzene                     | 0.00100                   | 0.00101                         | 101             | 70-130              |   |
| Bromoform                   | 0.00100                   | 0.000816 J                      | 82              | 70-130              |   |
| Bromomethane                | 0.00100                   | 0.00119                         | 119             | 70-130              |   |
| Carbon disulfide            | 0.00100                   | 0.00103                         | 103             | 70-130              |   |
| Carbon tetrachloride        | 0.00100                   | 0.000881 J                      | 88              | 70-130              |   |
| Chlorobenzene               | 0.00100                   | 0.000975 J                      | 98              | 70-130              |   |
| Chloromethane               | 0.00100                   | 0.00109                         | 109             | 70-130              |   |
| cis-1,3-Dichloropropene     | 0.00100                   | 0.000806 J                      | 81              | 70-130              |   |
| Dibromochloromethane        | 0.00100                   | 0.000871 J                      | 87              | 70-130              |   |
| Bromodichloromethane        | 0.00100                   | 0.000940 J                      | 94              | 70-130              |   |
| Ethylbenzene                | 0.00100                   | 0.000912 J                      | 91              | 70-130              |   |
| Methyl tert-butyl ether     | 0.00100                   | 0.000923 J                      | 92              | 70-130              |   |
| Methylene Chloride          | 0.00100                   | 0.000617 J                      | 62              | 70-130              | ^ |
| Styrene                     | 0.00100                   | 0.000787 J                      | 79              | 70-130              |   |
| Tetrachloroethene           | 0.00100                   | 0.000921 J                      | 92              | 70-130              |   |
| Toluene                     | 0.00100                   | 0.00100                         | 100             | 70-130              |   |
| trans-1,3-Dichloropropene   | 0.00100                   | 0.000735 J                      | 74              | 70-130              |   |
| Trichloroethene             | 0.00100                   | 0.00104                         | 104             | 70-130              |   |
| Vinyl chloride              | 0.00100                   | 0.00107                         | 107             | 70-130              |   |
| Xylenes, Total              | 0.00300                   | 0.00250                         | 83              | 70-130              |   |
| Chloroform                  | 0.00100                   | 0.000952 J                      | 95              | 70-130              |   |
| Bromochloromethane          | 0.00100                   | 0.00106                         | 106             | 70-130              |   |
| Chloroethane                | 0.00100                   | 0.00118                         | 118             | 70-130              |   |

# Column to be used to flag recovery and RPD values



FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab File ID: UXX1590.D Lab Sample ID: MB 240-69591/6  
Matrix: Water Heated Purge: (Y/N) N  
Instrument ID: A3UX10 Date Analyzed: 12/20/2012 13:05  
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID   | LAB<br>FILE ID | DATE ANALYZED    |
|------------------|-----------------|----------------|------------------|
|                  | LCS 240-69591/4 | UXX1588.D      | 12/20/2012 12:21 |
| 070-0060-0001-TB | 240-18735-7     | UXX1599.D      | 12/20/2012 16:37 |

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

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab File ID: BFB5078.D BFB Injection Date: 12/14/2012  
Instrument ID: A3UX10 BFB Injection Time: 15:04  
Analysis Batch No.: 68811

| M/E | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0 % of mass 95           | 18.0                 |
| 75  | 30.0 - 60.0 % of mass 95           | 46.9                 |
| 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        | 0.3 (0.3) 1          |
| 174 | 50.0 - 120.00 % of mass 95         | 90.7                 |
| 175 | 5.0 - 9.0 % of mass 174            | 6.4 (7.1) 1          |
| 176 | 95.0 - 101.0 % of mass 174         | 86.4 (95.2) 1        |
| 177 | 5.0 - 9.0 % of mass 176            | 6.1 (7.0) 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 |
|------------------|---------------------|-------------|---------------|---------------|
|                  | STD8260 240-68811/2 | UXX1400.D   | 12/14/2012    | 15:32         |
|                  | STD8260 240-68811/3 | UXX1401.D   | 12/14/2012    | 15:53         |
|                  | STD8260 240-68811/4 | UXX1402.D   | 12/14/2012    | 16:15         |
|                  | STD8260 240-68811/5 | UXX1403.D   | 12/14/2012    | 16:36         |
|                  | STD8260 240-68811/6 | UXX1404.D   | 12/14/2012    | 16:57         |
|                  | STD8260 240-68811/7 | UXX1405.D   | 12/14/2012    | 17:19         |
|                  | ICV 240-68811/14    | UXX1412.D   | 12/14/2012    | 19:48         |

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

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab File ID: BFB5089.D BFB Injection Date: 12/20/2012  
Instrument ID: A3UX10 BFB Injection Time: 10:51  
Analysis Batch No.: 69591

| M/E | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0 % of mass 95           | 16.7                 |
| 75  | 30.0 - 60.0 % of mass 95           | 46.9                 |
| 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         | 88.8                 |
| 175 | 5.0 - 9.0 % of mass 174            | 6.3 (7.1) 1          |
| 176 | 95.0 - 101.0 % of mass 174         | 87.3 (98.3) 1        |
| 177 | 5.0 - 9.0 % of mass 176            | 6.2 (7.1) 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 |
|------------------|-------------------|-------------|---------------|---------------|
|                  | CCV 240-69591/2   | UXX1587.D   | 12/20/2012    | 11:59         |
|                  | LCS 240-69591/4   | UXX1588.D   | 12/20/2012    | 12:21         |
|                  | MRL 240-69591/5   | UXX1589.D   | 12/20/2012    | 12:43         |
|                  | MB 240-69591/6    | UXX1590.D   | 12/20/2012    | 13:05         |
| 070-0060-0001-TB | 240-18735-7       | UXX1599.D   | 12/20/2012    | 16:37         |
|                  | MRL 240-69591/18  | UXX1602.D   | 12/20/2012    | 17:42         |
|                  | LODV 240-69591/19 | UXX1603.D   | 12/20/2012    | 18:04         |

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

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: STD8260 240-68811/4 Date Analyzed: 12/14/2012 16:15  
 Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm)  
 Lab File ID (Standard): UXX1402.D Heated Purge: (Y/N) N  
 Calibration ID: 12853

|                               | FB               |         | CBZ     |         | DCB     |         |       |
|-------------------------------|------------------|---------|---------|---------|---------|---------|-------|
|                               | AREA #           | RT #    | AREA #  | RT #    | AREA #  | RT #    |       |
| INITIAL CALIBRATION MID-POINT | 1972714          | 5.20    | 1372066 | 7.88    | 826025  | 10.13   |       |
| UPPER LIMIT                   | 3945428          | 5.70    | 2744132 | 8.38    | 1652050 | 10.63   |       |
| LOWER LIMIT                   | 986357           | 4.70    | 686033  | 7.38    | 413013  | 9.63    |       |
| LAB SAMPLE ID                 | CLIENT SAMPLE ID |         |         |         |         |         |       |
| ICV 240-68811/14              |                  | 1915294 | 5.20    | 1350521 | 7.88    | 869619  | 10.13 |
| CCV 240-69591/2               |                  | 2109455 | 5.21    | 1518089 | 7.88    | 980489  | 10.13 |
| LCS 240-69591/4               |                  | 2174437 | 5.21    | 1587263 | 7.88    | 1025898 | 10.13 |
| MRL 240-69591/5               |                  | 2138012 | 5.22    | 1551915 | 7.88    | 954861  | 10.13 |
| MB 240-69591/6                |                  | 2063755 | 5.22    | 1478307 | 7.89    | 841736  | 10.13 |
| 240-18735-7                   | 070-0060-0001-TB | 1963171 | 5.22    | 1409350 | 7.89    | 798603  | 10.13 |
| MRL 240-69591/18              |                  | 2120462 | 5.22    | 1482662 | 7.89    | 945938  | 10.13 |
| LODV 240-69591/19             |                  | 2011895 | 5.22    | 1436313 | 7.88    | 896548  | 10.13 |

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit =  $\pm$  0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Client Sample ID: 070-0060-0001-TB Lab Sample ID: 240-18735-7

Matrix: Water Lab File ID: UXX1599.D

Analysis Method: 8260B/DoD Date Collected: 12/12/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 16:37

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.: 69591 Units: ug/L

| CAS NO.    | COMPOUND NAME               | RESULT | Q | LOQ | LOD  | DL   |
|------------|-----------------------------|--------|---|-----|------|------|
| 71-55-6    | 1,1,1-Trichloroethane       | 0.25   | U | 1.0 | 0.25 | 0.22 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 0.25   | U | 1.0 | 0.25 | 0.18 |
| 79-00-5    | 1,1,2-Trichloroethane       | 0.50   | U | 1.0 | 0.50 | 0.27 |
| 75-34-3    | 1,1-Dichloroethane          | 0.25   | U | 1.0 | 0.25 | 0.15 |
| 75-35-4    | 1,1-Dichloroethene          | 0.25   | U | 1.0 | 0.25 | 0.19 |
| 107-06-2   | 1,2-Dichloroethane          | 0.25   | U | 1.0 | 0.25 | 0.22 |
| 540-59-0   | 1,2-Dichloroethene, Total   | 0.50   | U | 2.0 | 0.50 | 0.34 |
| 78-87-5    | 1,2-Dichloropropane         | 0.25   | U | 1.0 | 0.25 | 0.18 |
| 78-93-3    | 2-Butanone (MEK)            | 0.57   | U | 10  | 0.57 | 0.57 |
| 591-78-6   | 2-Hexanone                  | 0.50   | U | 10  | 0.50 | 0.41 |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | 0.50   | U | 10  | 0.50 | 0.32 |
| 67-64-1    | Acetone                     | 1.1    | U | 10  | 1.1  | 1.1  |
| 71-43-2    | Benzene                     | 0.25   | U | 1.0 | 0.25 | 0.13 |
| 75-25-2    | Bromoform                   | 0.64   | U | 1.0 | 0.64 | 0.64 |
| 74-83-9    | Bromomethane                | 0.50   | U | 1.0 | 0.50 | 0.41 |
| 75-15-0    | Carbon disulfide            | 0.25   | U | 1.0 | 0.25 | 0.13 |
| 56-23-5    | Carbon tetrachloride        | 0.25   | U | 1.0 | 0.25 | 0.13 |
| 108-90-7   | Chlorobenzene               | 0.25   | U | 1.0 | 0.25 | 0.15 |
| 74-87-3    | Chloromethane               | 0.50   | U | 1.0 | 0.50 | 0.30 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.25   | U | 1.0 | 0.25 | 0.14 |
| 124-48-1   | Dibromochloromethane        | 0.25   | U | 1.0 | 0.25 | 0.18 |
| 75-27-4    | Bromodichloromethane        | 0.25   | U | 1.0 | 0.25 | 0.15 |
| 100-41-4   | Ethylbenzene                | 0.25   | U | 1.0 | 0.25 | 0.17 |
| 1634-04-4  | Methyl tert-butyl ether     | 0.25   | U | 1.0 | 0.25 | 0.17 |
| 75-09-2    | Methylene Chloride          | 0.50   | U | 1.0 | 0.50 | 0.33 |
| 100-42-5   | Styrene                     | 0.25   | U | 1.0 | 0.25 | 0.11 |
| 127-18-4   | Tetrachloroethene           | 0.50   | U | 1.0 | 0.50 | 0.29 |
| 108-88-3   | Toluene                     | 0.25   | U | 1.0 | 0.25 | 0.13 |
| 10061-02-6 | trans-1,3-Dichloropropene   | 0.25   | U | 1.0 | 0.25 | 0.19 |
| 79-01-6    | Trichloroethene             | 0.25   | U | 1.0 | 0.25 | 0.17 |
| 75-01-4    | Vinyl chloride              | 0.25   | U | 1.0 | 0.25 | 0.22 |
| 1330-20-7  | Xylenes, Total              | 0.75   | U | 2.0 | 0.75 | 0.28 |
| 67-66-3    | Chloroform                  | 0.32   | J | 1.0 | 0.25 | 0.16 |
| 74-97-5    | Bromochloromethane          | 0.50   | U | 1.0 | 0.50 | 0.29 |
| 106-93-4   | 1,2-Dibromoethane           | 0.25   | U | 1.0 | 0.25 | 0.24 |
| 75-00-3    | Chloroethane                | 0.50   | U | 1.0 | 0.50 | 0.29 |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 070-0060-0001-TB Lab Sample ID: 240-18735-7  
Matrix: Water Lab File ID: UXX1599.D  
Analysis Method: 8260B/DoD Date Collected: 12/12/2012 08:00  
Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 16:37  
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.: 69591 Units: ug/L

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 2037-26-5  | Toluene-d8 (Surr)            | 92   |   | 85-120 |
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 95   |   | 70-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 89   |   | 75-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 104  |   | 85-115 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1599.D  
 Lims ID: 240-18735-A-7 Client ID: 070-0060-0001-TB  
 Inject. Date: 20-Dec-2012 16:37:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 240-0016059-015  
 Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 15  
 Lims Batch ID: 69591 Lims Sample ID: 15  
 Detector: MS SCAN  
 Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260\_10.m  
 Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK018

| Compound                          | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|-----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| * 1 Fluorobenzene                 | 96  | 5.216  | 5.204     | 0.012     | 100 | 1963171  | 10.0               |       |
| * 2 Chlorobenzene-d5              | 117 | 7.891  | 7.879     | 0.011     | 82  | 1409350  | 10.0               |       |
| * 3 1,4-Dichlorobenzene-d4        | 152 | 10.127 | 10.127    | 0.0       | 93  | 798603   | 10.0               |       |
| \$ 5 Dibromofluoromethane (Surr)  | 113 | 4.636  | 4.639     | -0.003    | 60  | 476083   | 10.4               |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr) | 65  | 4.920  | 4.923     | -0.003    | 0   | 510624   | 9.52               |       |
| \$ 7 Toluene-d8 (Surr)            | 98  | 6.577  | 6.568     | 0.009     | 92  | 1679644  | 9.20               |       |
| \$ 8 4-Bromofluorobenzene (Surr)  | 95  | 8.991  | 8.993     | -0.002    | 97  | 569769   | 8.87               |       |
| 13 Chloromethane                  | 50  |        | 1.693     |           |     |          |                    | 9     |
| 14 Vinyl chloride                 | 62  |        | 1.799     |           |     |          |                    |       |
| 16 Bromomethane                   | 94  |        | 2.095     |           |     |          |                    | 9     |
| 17 Chloroethane                   | 64  |        | 2.178     |           |     |          |                    |       |
| 23 1,1-Dichloroethene             | 96  |        | 2.817     |           |     |          |                    |       |
| 24 Acetone                        | 43  |        | 2.829     |           |     |          |                    |       |
| 27 Carbon disulfide               | 76  |        | 3.006     |           |     |          |                    |       |
| 31 Methylene Chloride             | 84  |        | 3.195     |           |     |          |                    |       |
| 34 trans-1,2-Dichloroethene       | 96  |        | 3.432     |           |     |          |                    |       |
| 35 Methyl tert-butyl ether        | 73  |        | 3.432     |           |     |          |                    |       |
| 37 1,1-Dichloroethane             | 63  |        | 3.775     |           |     |          |                    |       |
| 43 cis-1,2-Dichloroethene         | 96  |        | 4.248     |           |     |          |                    |       |
| 42 2-Butanone (MEK)               | 43  |        | 4.248     |           |     |          |                    |       |
| 48 Chlorobromomethane             | 128 |        | 4.450     |           |     |          |                    |       |
| 50 Chloroform                     | 83  | 4.506  | 4.497     | 0.009     | 77  | 29070    | 0.3229             |       |
| 51 1,1,1-Trichloroethane          | 97  |        | 4.686     |           |     |          |                    |       |
| 54 Carbon tetrachloride           | 117 |        | 4.828     |           |     |          |                    |       |
| 57 Benzene                        | 78  |        | 4.982     |           |     |          |                    | 9     |
| 56 1,2-Dichloroethane             | 62  |        | 4.982     |           |     |          |                    |       |
| 61 Trichloroethene                | 130 |        | 5.526     |           |     |          |                    |       |
| 64 1,2-Dichloropropane            | 63  |        | 5.704     |           |     |          |                    |       |
| 68 Dichlorobromomethane           | 83  |        | 5.929     |           |     |          |                    |       |
| 71 cis-1,3-Dichloropropene        | 75  |        | 6.319     |           |     |          |                    |       |
| 72 4-Methyl-2-pentanone (MIBK)    | 43  |        | 6.449     |           |     |          |                    |       |
| 73 Toluene                        | 91  |        | 6.627     |           |     |          |                    | 9     |

| Compound                        | Sig | RT | EXP<br>RT | DLT<br>RT | Q | Response | On-Col Amt<br>ug/l | Flags |
|---------------------------------|-----|----|-----------|-----------|---|----------|--------------------|-------|
| 74 trans-1,3-Dichloropropene    | 75  |    | 6.804     |           |   |          |                    |       |
| 76 1,1,2-Trichloroethane        | 97  |    | 6.970     |           |   |          |                    |       |
| 78 Tetrachloroethene            | 164 |    | 7.136     |           |   |          |                    |       |
| 79 2-Hexanone                   | 43  |    | 7.183     |           |   |          |                    |       |
| 81 Chlorodibromomethane         | 129 |    | 7.337     |           |   |          |                    |       |
| 83 Ethylene Dibromide           | 107 |    | 7.455     |           |   |          |                    |       |
| 85 Chlorobenzene                | 112 |    | 7.905     |           |   |          |                    |       |
| 87 Ethylbenzene                 | 106 |    | 8.011     |           |   |          |                    |       |
| 88 m-Xylene & p-Xylene          | 106 |    | 8.118     |           |   |          |                    |       |
| 89 o-Xylene                     | 106 |    | 8.496     |           |   |          |                    |       |
| 90 Styrene                      | 104 |    | 8.508     |           |   |          |                    |       |
| 91 Bromoform                    | 173 |    | 8.686     |           |   |          |                    |       |
| 95 1,1,2,2-Tetrachloroethane    | 83  |    | 9.112     |           |   |          |                    |       |
| S 120 1,2-Dichloroethene, Total | 96  |    | 1.140     |           |   |          |                    | 7     |
| S 122 Xylenes, Total            | 106 |    | 16.530    |           |   |          |                    | 7     |

## QC Flag Legend

## Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test



## TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1599.D

Injection Date: 20-Dec-2012 16:37:30

Limit Group: MSV 8260DOD ICAL

Client ID: 070-0060-0001-TB

Instrument ID: A3UX10

Lims Batch ID: 69591

Lims Sample ID: 15

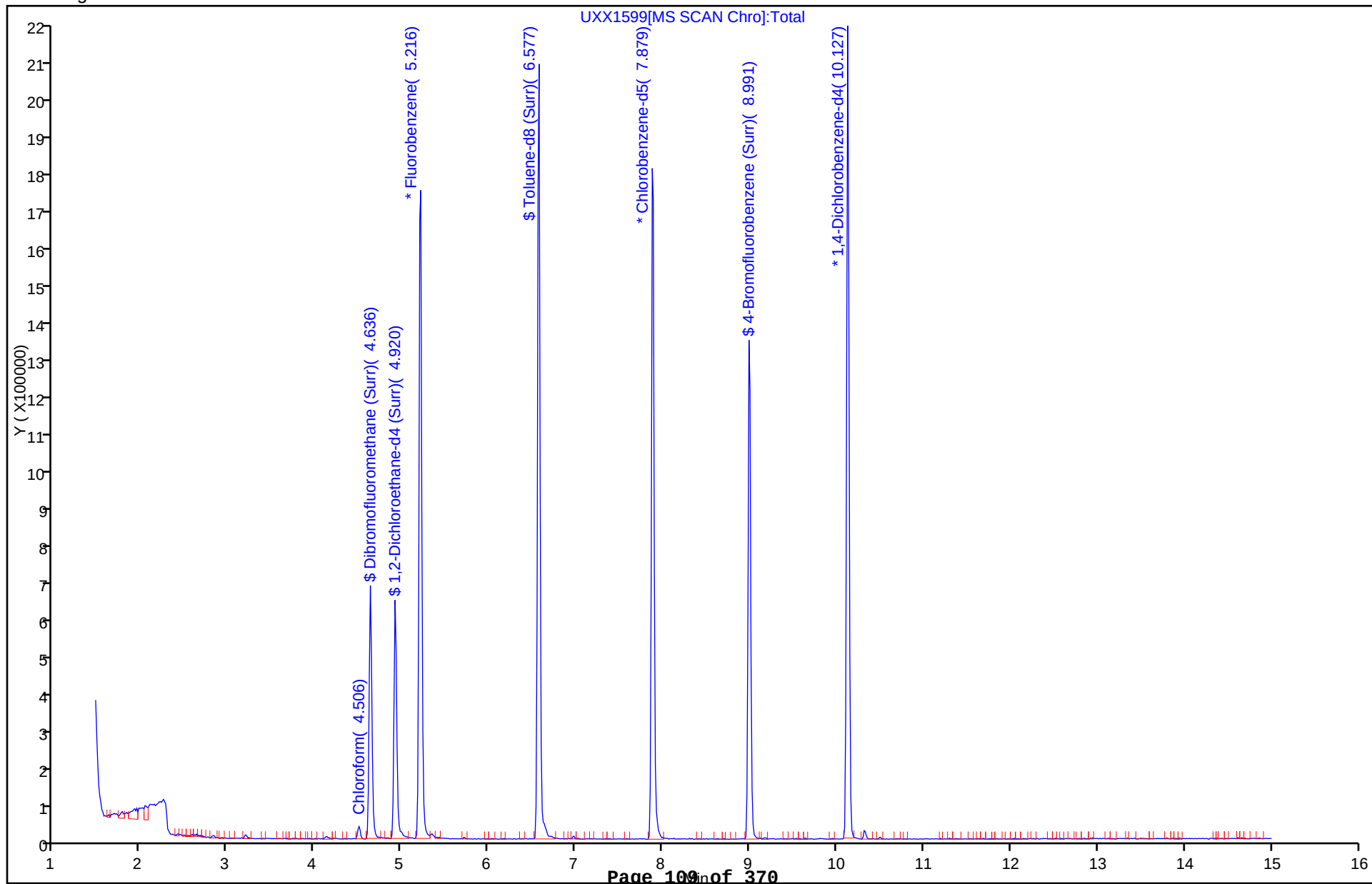
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121220-16059.b\UXX1599.D

Injection Date: 20-Dec-2012 16:37:30

Limit Group: MSV 8260DOD ICAL

Client ID: 070-0060-0001-TB

Instrument ID: A3UX10

Lims Batch ID: 69591

Lims Sample ID: 15

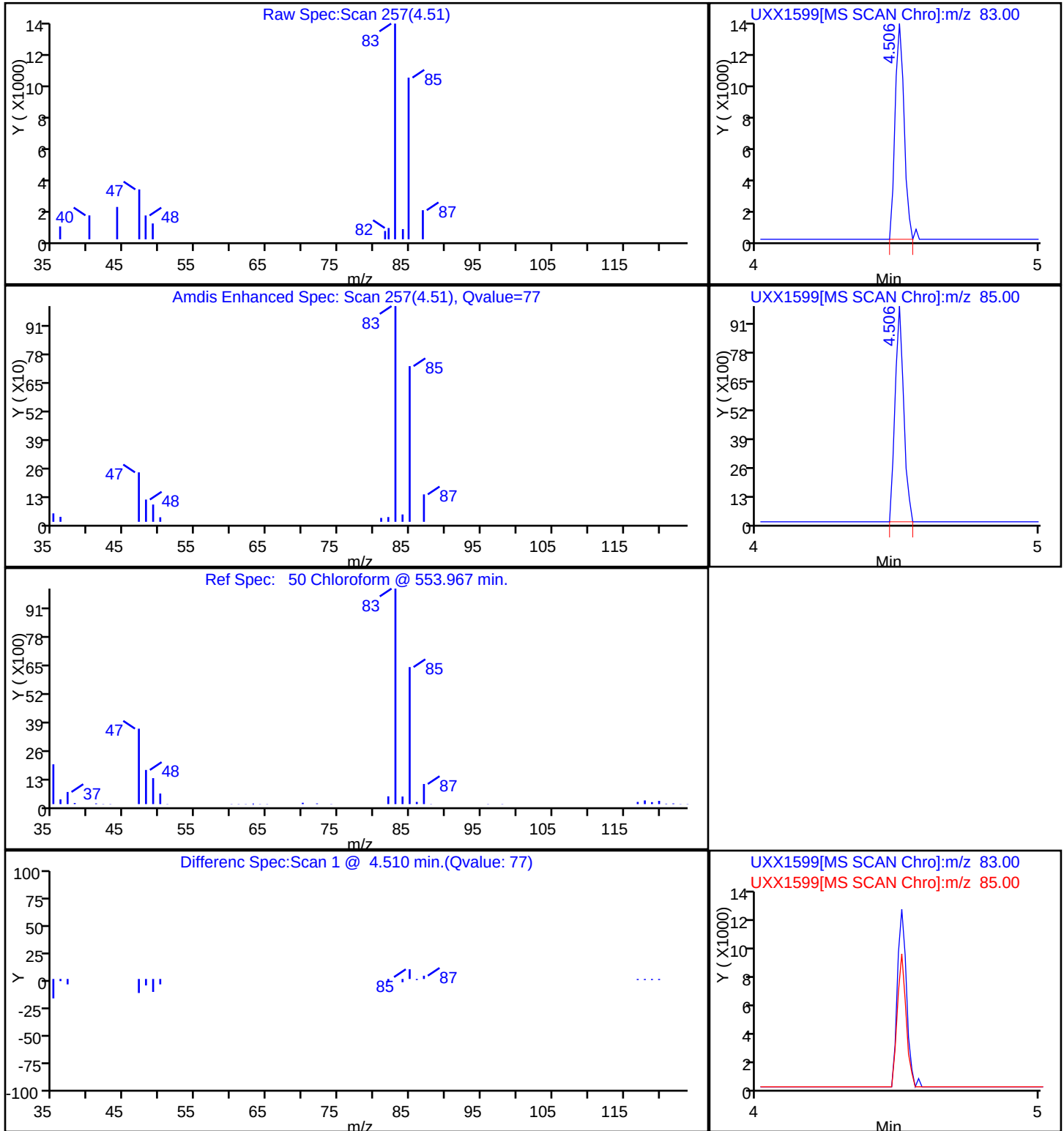
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

50 Chloroform



FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

Calibration Files:

|         |                     |              |
|---------|---------------------|--------------|
| LEVEL:  | LAB SAMPLE ID:      | LAB FILE ID: |
| Level 1 | STD8260 240-68811/7 | UXX1405.D    |
| Level 2 | STD8260 240-68811/6 | UXX1404.D    |
| Level 3 | STD8260 240-68811/5 | UXX1403.D    |
| Level 4 | STD8260 240-68811/4 | UXX1402.D    |
| Level 5 | STD8260 240-68811/3 | UXX1401.D    |
| Level 6 | STD8260 240-68811/2 | UXX1400.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 |   |         |      |   |          |            |   |                |
| Dichlorodifluoromethane               | 0.1682<br>0.2001 | 0.1834 | 0.1868 | 0.1863 | 0.1845 | Ave        |             | 0.1849 |    |   | 0.1000  | 5.5  |   | 15.0     |            |   |                |
| Chloromethane                         | 0.3695<br>0.3307 | 0.3350 | 0.3055 | 0.3246 | 0.3150 | Ave        |             | 0.3300 |    |   | 0.1000  | 6.7  |   | 15.0     |            |   |                |
| Vinyl chloride                        | 0.3547<br>0.3344 | 0.3245 | 0.3202 | 0.3230 | 0.3129 | Ave        |             | 0.3283 |    |   | 0.1000  | 4.5  |   | 15.0     |            |   |                |
| Bromomethane                          | 0.1859<br>0.1347 | 0.1569 | 0.1557 | 0.1519 | 0.1395 | Ave        |             | 0.1541 |    |   | 0.0500  | 12.0 |   | 15.0     |            |   |                |
| Chloroethane                          | 0.2127<br>0.1877 | 0.1943 | 0.1865 | 0.1845 | 0.1820 | Ave        |             | 0.1913 |    |   |         | 5.9  |   | 15.0     |            |   |                |
| Trichlorofluoromethane                | 0.2902<br>0.2557 | 0.2794 | 0.2672 | 0.2616 | 0.2391 | Ave        |             | 0.2655 |    |   | 0.1000  | 6.8  |   | 15.0     |            |   |                |
| Acrolein                              | 0.0304<br>0.0294 | 0.0301 | 0.0303 | 0.0299 | 0.0297 | Ave        |             | 0.0300 |    |   |         | 1.2  |   | 15.0     |            |   |                |
| 1,1-Dichloroethene                    | 0.2719<br>0.2466 | 0.2674 | 0.2491 | 0.2423 | 0.2434 | Ave        |             | 0.2534 |    |   | 0.1000  | 5.1  |   | 15.0     |            |   |                |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.2212<br>0.1977 | 0.2085 | 0.1866 | 0.1878 | 0.1857 | Ave        |             | 0.1979 |    |   | 0.0500  | 7.3  |   | 15.0     |            |   |                |
| Acetone                               | 0.0868<br>0.0585 | 0.0703 | 0.0593 | 0.0626 | 0.0588 | Lin1       | 0.0530      | 0.0578 |    |   | 0.0500  |      |   |          | 0.9990     |   | 0.9950         |
| Iodomethane                           | 0.4305<br>0.3878 | 0.4044 | 0.3998 | 0.3989 | 0.3923 | Ave        |             | 0.4023 |    |   |         | 3.7  |   | 15.0     |            |   |                |
| Carbon disulfide                      | 0.8008<br>0.8201 | 0.7373 | 0.7428 | 0.7660 | 0.7648 | Ave        |             | 0.7720 |    |   | 0.1000  | 4.2  |   | 15.0     |            |   |                |
| Acetonitrile                          | 0.0181<br>0.0183 | 0.0184 | 0.0180 | 0.0175 | 0.0171 | Ave        |             | 0.0179 |    |   |         | 2.8  |   | 15.0     |            |   |                |
| Methyl acetate                        | 0.2022<br>0.1801 | 0.1856 | 0.1932 | 0.1816 | 0.1804 | Ave        |             | 0.1872 |    |   | 0.1000  | 4.7  |   | 15.0     |            |   |                |
| Methylene Chloride                    | 0.5366<br>0.2822 | 0.3910 | 0.3185 | 0.2940 | 0.2831 | Lin1       | 0.2486      | 0.2732 |    |   | 0.1000  |      |   |          | 1.0000     |   | 0.9950         |

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

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

| 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-Methyl-2-propanol      | 0.0114<br>0.0105 | 0.0122 | 0.0121 | 0.0114 | 0.0113 | Ave        |             | 0.0115 |    |   |         | 5.6  |   | 15.0     |            |   |                |
| Acrylonitrile            | 0.0892<br>0.0856 | 0.0869 | 0.0919 | 0.0881 | 0.0879 | Ave        |             | 0.0883 |    |   |         | 2.5  |   | 15.0     |            |   |                |
| Methyl tert-butyl ether  | 0.6397<br>0.7181 | 0.6462 | 0.6706 | 0.6819 | 0.6896 | Ave        |             | 0.6743 |    |   | 0.1000  | 4.3  |   | 15.0     |            |   |                |
| trans-1,2-Dichloroethene | 0.2888<br>0.2750 | 0.2742 | 0.2690 | 0.2726 | 0.2680 | Ave        |             | 0.2746 |    |   | 0.1000  | 2.7  |   | 15.0     |            |   |                |
| Hexane                   | 0.0550<br>0.0564 | 0.0595 | 0.0532 | 0.0525 | 0.0512 | Ave        |             | 0.0546 |    |   |         | 5.5  |   | 15.0     |            |   |                |
| 1,1-Dichloroethane       | 0.4718<br>0.4567 | 0.4588 | 0.4447 | 0.4475 | 0.4445 | Ave        |             | 0.4540 |    |   | 0.1000  | 2.3  |   | 15.0     |            |   |                |
| Vinyl acetate            | 0.0355<br>0.0436 | 0.0320 | 0.0385 | 0.0406 | 0.0424 | Ave        |             | 0.0388 |    |   |         | 11.0 |   | 15.0     |            |   |                |
| 2-Butanone (MEK)         | 0.0971<br>0.0923 | 0.0854 | 0.0935 | 0.0877 | 0.0940 | Ave        |             | 0.0917 |    |   | 0.0500  | 4.7  |   | 15.0     |            |   |                |
| cis-1,2-Dichloroethene   | 0.3064<br>0.2938 | 0.2833 | 0.2880 | 0.2894 | 0.2853 | Ave        |             | 0.2910 |    |   | 0.1000  | 2.9  |   | 15.0     |            |   |                |
| 2,2-Dichloropropane      | 0.2273<br>0.2512 | 0.2253 | 0.2368 | 0.2360 | 0.2401 | Ave        |             | 0.2361 |    |   |         | 4.0  |   | 15.0     |            |   |                |
| Bromochloromethane       | 0.1484<br>0.1412 | 0.1509 | 0.1408 | 0.1373 | 0.1402 | Ave        |             | 0.1431 |    |   |         | 3.7  |   | 15.0     |            |   |                |
| Tetrahydrofuran          | 0.0674<br>0.0622 | 0.0681 | 0.0592 | 0.0620 | 0.0640 | Ave        |             | 0.0638 |    |   |         | 5.4  |   | 15.0     |            |   |                |
| Chloroform               | 0.4803<br>0.4604 | 0.4625 | 0.4493 | 0.4503 | 0.4488 | Ave        |             | 0.4586 |    |   |         | 2.7  |   | 15.0     |            |   |                |
| 1,1,1-Trichloroethane    | 0.3361<br>0.3437 | 0.3248 | 0.3289 | 0.3315 | 0.3327 | Ave        |             | 0.3330 |    |   | 0.1000  | 1.9  |   | 15.0     |            |   |                |
| Cyclohexane              | 0.4243<br>0.4454 | 0.4045 | 0.3992 | 0.4183 | 0.4156 | Ave        |             | 0.4179 |    |   | 0.1000  | 3.9  |   | 15.0     |            |   |                |
| 1,1-Dichloropropene      | 0.3295<br>0.3559 | 0.3313 | 0.3332 | 0.3329 | 0.3395 | Ave        |             | 0.3371 |    |   |         | 2.9  |   | 15.0     |            |   |                |
| Carbon tetrachloride     | 0.3013<br>0.3092 | 0.2765 | 0.2779 | 0.2882 | 0.2875 | Ave        |             | 0.2901 |    |   | 0.1000  | 4.5  |   | 15.0     |            |   |                |
| 1,2-Dichloroethane       | 0.3228<br>0.3284 | 0.3200 | 0.3184 | 0.3149 | 0.3142 | Ave        |             | 0.3198 |    |   | 0.1000  | 1.7  |   | 15.0     |            |   |                |
| Benzene                  | 1.1588<br>1.1315 | 1.0685 | 1.0679 | 1.0507 | 1.0629 | Ave        |             | 1.0901 |    |   | 0.5000  | 4.0  |   | 15.0     |            |   |                |
| Trichloroethene          | 0.2923<br>0.2857 | 0.2685 | 0.2757 | 0.2717 | 0.2757 | Ave        |             | 0.2783 |    |   | 0.2000  | 3.2  |   | 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  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

| 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 |   |         |      |   |          |            |   |                |
| 1,2-Dichloropropane         | 0.2388<br>0.2561 | 0.2264 | 0.2362 | 0.2412 | 0.2433 | Ave        |             | 0.2403 |    |   | 0.1000  | 4.0  |   | 15.0     |            |   |                |
| Methylcyclohexane           | 0.3619<br>0.3979 | 0.3552 | 0.3478 | 0.3665 | 0.3688 | Ave        |             | 0.3663 |    |   | 0.1000  | 4.7  |   | 15.0     |            |   |                |
| Dibromomethane              | 0.1556<br>0.1462 | 0.1342 | 0.1407 | 0.1411 | 0.1402 | Ave        |             | 0.1430 |    |   |         | 5.1  |   | 15.0     |            |   |                |
| 1,4-Dioxane                 | 0.0012<br>0.0015 | 0.0012 | 0.0016 | 0.0015 | 0.0017 | Ave        |             | 0.0015 |    |   |         | 15.0 |   | 15.0     |            |   |                |
| Bromodichloromethane        | 0.2936<br>0.3339 | 0.2698 | 0.2864 | 0.2969 | 0.3032 | Ave        |             | 0.2973 |    |   | 0.1000  | 7.2  |   | 15.0     |            |   |                |
| 2-Chloroethyl vinyl ether   | 0.1115<br>0.1488 | 0.1069 | 0.1191 | 0.1267 | 0.1370 | Ave        |             | 0.1250 |    |   |         | 13.0 |   | 15.0     |            |   |                |
| cis-1,3-Dichloropropene     | 0.3102<br>0.4014 | 0.2932 | 0.3276 | 0.3465 | 0.3669 | Ave        |             | 0.3410 |    |   | 0.1500  | 12.0 |   | 15.0     |            |   |                |
| 4-Methyl-2-pentanone (MIBK) | 0.1683<br>0.2040 | 0.1750 | 0.1806 | 0.1851 | 0.1973 | Ave        |             | 0.1850 |    |   | 0.0500  | 7.3  |   | 15.0     |            |   |                |
| Toluene                     | 1.6137<br>1.6761 | 1.4739 | 1.6053 | 1.5903 | 1.6365 | Ave        |             | 1.5993 |    |   | 0.4000  | 4.3  |   | 15.0     |            |   |                |
| trans-1,3-Dichloropropene   | 0.3775<br>0.4939 | 0.3648 | 0.4102 | 0.4285 | 0.4685 | Ave        |             | 0.4239 |    |   | 0.1000  | 12.0 |   | 15.0     |            |   |                |
| Ethyl methacrylate          | 0.3069<br>0.4515 | 0.3026 | 0.3649 | 0.3987 | 0.4250 | Lin1       | -0.220      | 0.4436 |    |   |         |      |   |          | 0.9980     |   | 0.9950         |
| 1,1,2-Trichloroethane       | 0.3278<br>0.3056 | 0.3043 | 0.3189 | 0.3027 | 0.3015 | Ave        |             | 0.3101 |    |   | 0.1000  | 3.5  |   | 15.0     |            |   |                |
| 1,3-Dichloropropane         | 0.5523<br>0.5528 | 0.5256 | 0.5345 | 0.5247 | 0.5421 | Ave        |             | 0.5387 |    |   |         | 2.3  |   | 15.0     |            |   |                |
| Tetrachloroethene           | 0.3348<br>0.3277 | 0.3229 | 0.3366 | 0.3179 | 0.3236 | Ave        |             | 0.3273 |    |   | 0.2000  | 2.2  |   | 15.0     |            |   |                |
| 2-Hexanone                  | 0.1557<br>0.1890 | 0.1610 | 0.1776 | 0.1826 | 0.1933 | Ave        |             | 0.1765 |    |   | 0.0500  | 8.6  |   | 15.0     |            |   |                |
| Dibromochloromethane        | 0.2849<br>0.3652 | 0.2686 | 0.3176 | 0.3275 | 0.3393 | Ave        |             | 0.3172 |    |   |         | 11.0 |   | 15.0     |            |   |                |
| 1,2-Dibromoethane           | 0.3005<br>0.3161 | 0.2900 | 0.3108 | 0.3001 | 0.3132 | Ave        |             | 0.3051 |    |   |         | 3.3  |   | 15.0     |            |   |                |
| Chlorobenzene               | 1.1260<br>1.0833 | 1.0071 | 1.0336 | 1.0154 | 1.0453 | Ave        |             | 1.0518 |    |   | 0.3000  | 4.3  |   | 15.0     |            |   |                |
| 1,1,1,2-Tetrachloroethane   | 0.3541<br>0.3776 | 0.3331 | 0.3588 | 0.3579 | 0.3754 | Ave        |             | 0.3595 |    |   |         | 4.5  |   | 15.0     |            |   |                |
| Ethylbenzene                | 0.5069<br>0.5868 | 0.4902 | 0.5404 | 0.5381 | 0.5610 | Ave        |             | 0.5372 |    |   |         | 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  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

| ANALYTE                     | RRF              |        |        |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-----------------------------|------------------|--------|--------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                             | LVL 1<br>LVL 6   | LVL 2  | LVL 3  | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| m-Xylene & p-Xylene         | 0.6166<br>0.7545 | 0.6271 | 0.6839 | 0.6854 | 0.7110 | Ave           |             | 0.6797 |    |   |         | 7.6  |   | 15.0        |               |   |                   |
| o-Xylene                    | 0.6328<br>0.7117 | 0.5709 | 0.6506 | 0.6704 | 0.6861 | Ave           |             | 0.6537 |    |   |         | 7.5  |   | 15.0        |               |   |                   |
| Styrene                     | 0.9317<br>1.2368 | 0.9461 | 1.0744 | 1.1016 | 1.1551 | Ave           |             | 1.0743 |    |   | 0.3000  | 11.0 |   | 15.0        |               |   |                   |
| Bromoform                   | 0.1763<br>0.2364 | 0.1902 | 0.2005 | 0.2055 | 0.2280 | Ave           |             | 0.2062 |    |   | 0.1000  | 11.0 |   | 15.0        |               |   |                   |
| Isopropylbenzene            | 1.4472<br>1.7732 | 1.4438 | 1.5725 | 1.6035 | 1.6958 | Ave           |             | 1.5893 |    |   | 0.1000  | 8.3  |   | 15.0        |               |   |                   |
| 1,1,2,2-Tetrachloroethane   | 0.7430<br>0.6961 | 0.7251 | 0.7069 | 0.7048 | 0.7013 | Ave           |             | 0.7129 |    |   | 0.3000  | 2.5  |   | 15.0        |               |   |                   |
| Bromobenzene                | 0.7442<br>0.8313 | 0.7466 | 0.7570 | 0.7432 | 0.7534 | Ave           |             | 0.7626 |    |   |         | 4.5  |   | 15.0        |               |   |                   |
| 1,2,3-Trichloropropane      | 0.2230<br>0.2282 | 0.2452 | 0.2302 | 0.2326 | 0.2315 | Ave           |             | 0.2318 |    |   |         | 3.2  |   | 15.0        |               |   |                   |
| trans-1,4-Dichloro-2-butene | 0.1570<br>0.2076 | 0.1620 | 0.1744 | 0.1732 | 0.1834 | Ave           |             | 0.1763 |    |   |         | 10.0 |   | 15.0        |               |   |                   |
| N-Propylbenzene             | 0.6510<br>0.8523 | 0.6581 | 0.7377 | 0.7697 | 0.7580 | Ave           |             | 0.7378 |    |   |         | 10.0 |   | 15.0        |               |   |                   |
| 2-Chlorotoluene             | 0.6746<br>0.7582 | 0.6576 | 0.7068 | 0.6979 | 0.6968 | Ave           |             | 0.6986 |    |   |         | 4.9  |   | 15.0        |               |   |                   |
| 1,3,5-Trimethylbenzene      | 1.7867<br>2.4099 | 1.9461 | 2.1727 | 2.2113 | 2.2293 | Ave           |             | 2.1260 |    |   |         | 10.0 |   | 15.0        |               |   |                   |
| 4-Chlorotoluene             | 0.6877<br>0.8259 | 0.7122 | 0.7364 | 0.7447 | 0.7564 | Ave           |             | 0.7439 |    |   |         | 6.3  |   | 15.0        |               |   |                   |
| tert-Butylbenzene           | 1.7120<br>2.1782 | 1.8120 | 2.0057 | 1.8304 | 1.8804 | Ave           |             | 1.9031 |    |   |         | 8.7  |   | 15.0        |               |   |                   |
| 1,2,4-Trimethylbenzene      | 1.8729<br>2.4382 | 2.0120 | 2.2186 | 2.2759 | 2.2862 | Ave           |             | 2.1840 |    |   |         | 9.4  |   | 15.0        |               |   |                   |
| sec-Butylbenzene            | 2.1318<br>2.5753 | 2.2435 | 2.4366 | 2.4214 | 2.4492 | Ave           |             | 2.3763 |    |   |         | 6.7  |   | 15.0        |               |   |                   |
| 1,3-Dichlorobenzene         | 1.3914<br>1.4735 | 1.3824 | 1.4326 | 1.3721 | 1.3998 | Ave           |             | 1.4086 |    |   | 0.6000  | 2.7  |   | 15.0        |               |   |                   |
| 4-Isopropyltoluene          | 1.7643<br>2.2184 | 1.8945 | 2.0657 | 2.0877 | 2.1191 | Ave           |             | 2.0249 |    |   |         | 8.2  |   | 15.0        |               |   |                   |
| 1,4-Dichlorobenzene         | 1.6280<br>1.5470 | 1.5208 | 1.5108 | 1.4623 | 1.4987 | Ave           |             | 1.5279 |    |   | 0.5000  | 3.7  |   | 15.0        |               |   |                   |
| n-Butylbenzene              | 1.5106<br>1.7571 | 1.4973 | 1.6196 | 1.6360 | 1.6826 | Ave           |             | 1.6172 |    |   |         | 6.2  |   | 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  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

| ANALYTE                      | RRF              |        |        |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|------------------------------|------------------|--------|--------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                              | LVL 1<br>LVL 6   | LVL 2  | LVL 3  | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| 1,2-Dichlorobenzene          | 1.3941<br>1.3306 | 1.3226 | 1.3905 | 1.3403 | 1.3323 | Ave           |             | 1.3517 |    |   | 0.4000  | 2.4  |   | 15.0        |               |   |                   |
| 1,2-Dibromo-3-Chloropropane  | 0.1129<br>0.0886 | 0.1035 | 0.1131 | 0.1096 | 0.1109 | Ave           |             | 0.1064 |    |   | 0.0500  | 8.8  |   | 15.0        |               |   |                   |
| 1,3,5-Trichlorobenzene       | 0.7777<br>0.6258 | 0.7708 | 0.7864 | 0.7494 | 0.7218 | Ave           |             | 0.7387 |    |   |         | 8.1  |   | 15.0        |               |   |                   |
| 1,2,4-Trichlorobenzene       | 0.6656<br>0.5045 | 0.6817 | 0.6711 | 0.6485 | 0.6512 | Ave           |             | 0.6371 |    |   | 0.2000  | 10.0 |   | 15.0        |               |   |                   |
| Hexachlorobutadiene          | 0.3692<br>++++   | 0.3611 | 0.3119 | 0.2854 | 0.2566 | Ave           |             | 0.3169 |    |   |         | 15.0 |   | 15.0        |               |   |                   |
| Naphthalene                  | 1.4153<br>1.1677 | 1.5101 | 1.7168 | 1.7220 | 1.7465 | Ave           |             | 1.5464 |    |   |         | 15.0 |   | 15.0        |               |   |                   |
| 1,2,3-Trichlorobenzene       | 0.6490<br>++++   | 0.6364 | 0.6570 | 0.6076 | 0.5677 | Ave           |             | 0.6235 |    |   |         | 5.8  |   | 15.0        |               |   |                   |
| Dibromofluoromethane (Surr)  | 0.2297<br>0.2371 | 0.2202 | 0.2409 | 0.2434 | 0.2327 | Ave           |             | 0.2340 |    |   |         | 3.6  |   | 15.0        |               |   |                   |
| 1,2-Dichloroethane-d4 (Surr) | 0.2706<br>0.2750 | 0.2719 | 0.2709 | 0.2847 | 0.2663 | Ave           |             | 0.2732 |    |   |         | 2.3  |   | 15.0        |               |   |                   |
| Toluene-d8 (Surr)            | 1.2310<br>1.3606 | 1.2008 | 1.3307 | 1.3332 | 1.3136 | Ave           |             | 1.2950 |    |   |         | 4.9  |   | 15.0        |               |   |                   |
| 4-Bromofluorobenzene (Surr)  | 0.4411<br>0.4722 | 0.4273 | 0.4615 | 0.4662 | 0.4651 | Ave           |             | 0.4556 |    |   |         | 3.8  |   | 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  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

Calibration Files:

|         |                     |              |
|---------|---------------------|--------------|
| LEVEL:  | LAB SAMPLE ID:      | LAB FILE ID: |
| Level 1 | STD8260 240-68811/7 | UXX1405.D    |
| Level 2 | STD8260 240-68811/6 | UXX1404.D    |
| Level 3 | STD8260 240-68811/5 | UXX1403.D    |
| Level 4 | STD8260 240-68811/4 | UXX1402.D    |
| Level 5 | STD8260 240-68811/3 | UXX1401.D    |
| Level 6 | STD8260 240-68811/2 | UXX1400.D    |

| ANALYTE                               | IS<br>REF | CURVE<br>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           | 30879<br>1465250  | 71948  | 195190 | 367469  | 701197  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Chloromethane                         | FB        | Ave           | 67830<br>2421494  | 131438 | 319288 | 640285  | 1197291 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Vinyl chloride                        | FB        | Ave           | 65107<br>2448503  | 127350 | 334620 | 637089  | 1189219 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Bromomethane                          | FB        | Ave           | 34128<br>986207   | 61559  | 162768 | 299602  | 530218  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Chloroethane                          | FB        | Ave           | 39044<br>1374711  | 76233  | 194942 | 364043  | 691777  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Trichlorofluoromethane                | FB        | Ave           | 53264<br>1872605  | 109640 | 279258 | 516118  | 908849  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Acrolein                              | FB        | Ave           | 55829<br>2155771  | 118104 | 316219 | 590361  | 1128836 | 10.0<br>400          | 20.0  | 50.0  | 100   | 200   |
| 1,1-Dichloroethene                    | FB        | Ave           | 49912<br>1805547  | 104920 | 260297 | 478079  | 924980  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | FB        | Ave           | 40608<br>1447462  | 81824  | 195023 | 370380  | 705696  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Acetone                               | FB        | Lin1          | 31865<br>855958   | 55185  | 123882 | 247062  | 447033  | 2.00<br>80.0         | 4.00  | 10.0  | 20.0  | 40.0  |
| Iodomethane                           | FB        | Ave           | 79033<br>2839133  | 158689 | 417853 | 786944  | 1491127 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Carbon disulfide                      | FB        | Ave           | 147001<br>6005070 | 289306 | 776307 | 1511067 | 2906807 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Acetonitrile                          | FB        | Ave           | 33234<br>1342771  | 72167  | 188394 | 344829  | 650587  | 10.0<br>400          | 20.0  | 50.0  | 100   | 200   |
| Methyl acetate                        | FB        | Ave           | 74236<br>2638039  | 145700 | 403759 | 716425  | 1371027 | 2.00<br>80.0         | 4.00  | 10.0  | 20.0  | 40.0  |
| Methylene Chloride                    | FB        | Lin1          | 98498<br>2066270  | 153419 | 332847 | 579966  | 1075839 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 2-Methyl-2-propanol                   | FB        | Ave           | 42011<br>1530596  | 96112  | 253376 | 450805  | 858644  | 20.0<br>800          | 40.0  | 100   | 200   | 400   |



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

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

| ANALYTE                  | IS<br>REF | CURVE<br>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 |
| Acrylonitrile            | FB        | Ave           | 32738<br>1253177  | 68221  | 192143  | 347593  | 668258  | 2.00<br>80.0         | 4.00  | 10.0  | 20.0  | 40.0  |
| Methyl tert-butyl ether  | FB        | Ave           | 117426<br>5258214 | 253570 | 700832  | 1345206 | 2620917 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| trans-1,2-Dichloroethene | FB        | Ave           | 53022<br>2013318  | 107586 | 281119  | 537762  | 1018642 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Hexane                   | FB        | Ave           | 10101<br>413173   | 23363  | 55548   | 103509  | 194683  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,1-Dichloroethane       | FB        | Ave           | 86603<br>3344223  | 180038 | 464711  | 882807  | 1689424 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Vinyl acetate            | FB        | Ave           | 6515<br>318877    | 12565  | 40276   | 80180   | 161200  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 2-Butanone (MEK)         | FB        | Ave           | 35644<br>1351963  | 67000  | 195379  | 346151  | 714268  | 2.00<br>80.0         | 4.00  | 10.0  | 20.0  | 40.0  |
| cis-1,2-Dichloroethene   | FB        | Ave           | 56243<br>2151531  | 111152 | 301005  | 570916  | 1084405 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 2,2-Dichloropropane      | FB        | Ave           | 41719<br>1839264  | 88390  | 247518  | 465524  | 912625  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Bromochloromethane       | FB        | Ave           | 27240<br>1034113  | 59224  | 147118  | 270865  | 533012  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Tetrahydrofuran          | FB        | Ave           | 12370<br>455243   | 26729  | 61864   | 122366  | 243391  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Chloroform               | FB        | Ave           | 88171<br>3370739  | 181502 | 469599  | 888343  | 1705669 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,1,1-Trichloroethane    | FB        | Ave           | 61698<br>2516616  | 127454 | 343724  | 653910  | 1264608 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Cyclohexane              | FB        | Ave           | 77885<br>3261330  | 158733 | 417191  | 825127  | 1579443 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,1-Dichloropropene      | FB        | Ave           | 60486<br>2605682  | 130002 | 348272  | 656670  | 1290438 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Carbon tetrachloride     | FB        | Ave           | 55305<br>2264034  | 108482 | 290391  | 568496  | 1092712 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,2-Dichloroethane       | FB        | Ave           | 59264<br>2404196  | 125575 | 332746  | 621111  | 1194163 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Benzene                  | FB        | Ave           | 212719<br>8285150 | 419287 | 1116074 | 2072804 | 4039822 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Trichloroethene          | FB        | Ave           | 53655<br>2092163  | 105370 | 288125  | 535904  | 1047905 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,2-Dichloropropane      | FB        | Ave           | 43830<br>1874945  | 88848  | 246855  | 475830  | 924602  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Methylcyclohexane        | FB        | Ave           | 66442<br>2913559  | 139383 | 363431  | 723017  | 1401580 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |

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

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

| ANALYTE                     | IS<br>REF | CURVE<br>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 |
| Dibromomethane              | FB        | Ave           | 28558<br>1070356  | 52642  | 147000  | 278287  | 532813  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,4-Dioxane                 | FB        | Ave           | 11215<br>546333   | 23007  | 86141   | 152231  | 320231  | 50.0<br>2000         | 100   | 250   | 500   | 1000  |
| Bromodichloromethane        | FB        | Ave           | 53902<br>2444656  | 105852 | 299266  | 585738  | 1152209 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 2-Chloroethyl vinyl ether   | FB        | Ave           | 40924<br>2178949  | 83867  | 248859  | 499763  | 1041269 | 2.00<br>80.0         | 4.00  | 10.0  | 20.0  | 40.0  |
| cis-1,3-Dichloropropene     | FB        | Ave           | 56936<br>2939323  | 115070 | 342339  | 683552  | 1394385 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 4-Methyl-2-pentanone (MIBK) | FB        | Ave           | 61798<br>2986828  | 137346 | 377538  | 730318  | 1499585 | 2.00<br>80.0         | 4.00  | 10.0  | 20.0  | 40.0  |
| Toluene                     | CBZ       | Ave           | 201223<br>8918073 | 391475 | 1115595 | 2181955 | 4260011 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| trans-1,3-Dichloropropene   | CBZ       | Ave           | 47071<br>2627978  | 96889  | 285077  | 587888  | 1219585 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Ethyl methacrylate          | CBZ       | Lin1          | 38268<br>2402128  | 80366  | 253577  | 547095  | 1106263 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,1,2-Trichloroethane       | CBZ       | Ave           | 40879<br>1626165  | 80829  | 221646  | 415376  | 784752  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,3-Dichloropropane         | CBZ       | Ave           | 68872<br>2941228  | 139604 | 371448  | 719931  | 1411177 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Tetrachloroethene           | CBZ       | Ave           | 41752<br>1743486  | 85777  | 233887  | 436221  | 842392  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 2-Hexanone                  | CBZ       | Ave           | 38833<br>2011555  | 85516  | 246809  | 501002  | 1006319 | 2.00<br>80.0         | 4.00  | 10.0  | 20.0  | 40.0  |
| Dibromochloromethane        | CBZ       | Ave           | 35521<br>1943180  | 71354  | 220689  | 449306  | 883263  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,2-Dibromoethane           | CBZ       | Ave           | 37474<br>1681754  | 77017  | 215997  | 411739  | 815423  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Chlorobenzene               | CBZ       | Ave           | 140412<br>5763785 | 267494 | 718279  | 1393142 | 2721158 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,1,1,2-Tetrachloroethane   | CBZ       | Ave           | 44156<br>2009188  | 88467  | 249379  | 491018  | 977329  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Ethylbenzene                | CBZ       | Ave           | 63206<br>3122357  | 130191 | 375534  | 738252  | 1460383 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| m-Xylene & p-Xylene         | CBZ       | Ave           | 153782<br>8029139 | 333111 | 950545  | 1880784 | 3701497 | 2.00<br>80.0         | 4.00  | 10.0  | 20.0  | 40.0  |
| o-Xylene                    | CBZ       | Ave           | 78906<br>3786625  | 151628 | 452161  | 919839  | 1785939 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Styrene                     | CBZ       | Ave           | 116186<br>6580880 | 251304 | 746678  | 1511468 | 3006905 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |

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

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

| ANALYTE                     | IS<br>REF | CURVE<br>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 |
| Bromoform                   | CBZ       | Ave           | 21983<br>1257632  | 50523  | 139362  | 281993  | 593612  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Isopropylbenzene            | CBZ       | Ave           | 180463<br>9434871 | 383482 | 1092782 | 2200056 | 4414441 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,1,2,2-Tetrachloroethane   | DCB       | Ave           | 57603<br>2103601  | 116917 | 291936  | 582186  | 1112923 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Bromobenzene                | DCB       | Ave           | 57702<br>2512184  | 120378 | 312609  | 613898  | 1195678 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,2,3-Trichloropropane      | DCB       | Ave           | 17288<br>689742   | 39531  | 95077   | 192099  | 367359  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| trans-1,4-Dichloro-2-butene | DCB       | Ave           | 12169<br>627324   | 26124  | 72004   | 143098  | 291069  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| N-Propylbenzene             | DCB       | Ave           | 50472<br>2575518  | 106115 | 304646  | 635760  | 1202925 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 2-Chlorotoluene             | DCB       | Ave           | 52302<br>2291217  | 106035 | 291871  | 576466  | 1105775 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,3,5-Trimethylbenzene      | DCB       | Ave           | 138525<br>7282720 | 313803 | 897255  | 1826608 | 3538007 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 4-Chlorotoluene             | DCB       | Ave           | 53322<br>2495788  | 114832 | 304121  | 615149  | 1200376 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| tert-Butylbenzene           | DCB       | Ave           | 132732<br>6582408 | 292170 | 828302  | 1511971 | 2984266 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,2,4-Trimethylbenzene      | DCB       | Ave           | 145206<br>7368168 | 324423 | 916215  | 1879912 | 3628284 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| sec-Butylbenzene            | DCB       | Ave           | 165282<br>7782442 | 361742 | 1006256 | 2000156 | 3886899 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,3-Dichlorobenzene         | DCB       | Ave           | 107876<br>4452897 | 222909 | 591644  | 1133384 | 2221454 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 4-Isopropyltoluene          | DCB       | Ave           | 136793<br>6703826 | 305478 | 853074  | 1724457 | 3363069 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,4-Dichlorobenzene         | DCB       | Ave           | 126220<br>4675040 | 245211 | 623927  | 1207911 | 2378436 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| n-Butylbenzene              | DCB       | Ave           | 117119<br>5309751 | 241423 | 668858  | 1351363 | 2670295 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,2-Dichlorobenzene         | DCB       | Ave           | 108086<br>4020924 | 213261 | 574232  | 1107131 | 2114347 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,2-Dibromo-3-Chloropropane | DCB       | Ave           | 8751<br>267693    | 16687  | 46693   | 90506   | 176060  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,3,5-Trichlorobenzene      | DCB       | Ave           | 60296<br>1891087  | 124291 | 324767  | 619057  | 1145528 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,2,4-Trichlorobenzene      | DCB       | Ave           | 51604<br>1524561  | 109926 | 277130  | 535668  | 1033524 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |

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

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 68811

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2012 15:32 Calibration End Date: 12/14/2012 17:19 Calibration ID: 12853

| ANALYTE                      | IS<br>REF | CURVE<br>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 |
| Hexachlorobutadiene          | DCB       | Ave           | 28628<br>++++     | 58229  | 128818 | 235730  | 407272  | 1.00<br>++++         | 2.00  | 5.00  | 10.0  | 20.0  |
| Naphthalene                  | DCB       | Ave           | 109730<br>3528569 | 243498 | 709007 | 1422425 | 2771695 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,2,3-Trichlorobenzene       | DCB       | Ave           | 50318<br>++++     | 102615 | 271329 | 501922  | 900936  | 1.00<br>++++         | 2.00  | 5.00  | 10.0  | 20.0  |
| Dibromofluoromethane (Surr)  | FB        | Ave           | 42158<br>1735851  | 86392  | 251766 | 480236  | 884388  | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 1,2-Dichloroethane-d4 (Surr) | FB        | Ave           | 49683<br>2013493  | 106682 | 283109 | 561592  | 1012260 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| Toluene-d8 (Surr)            | CBZ       | Ave           | 153502<br>7239634 | 318950 | 924741 | 1829193 | 3419440 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |
| 4-Bromofluorobenzene (Surr)  | CBZ       | Ave           | 55001<br>2512201  | 113500 | 320732 | 639616  | 1210691 | 1.00<br>40.0         | 2.00  | 5.00  | 10.0  | 20.0  |

Curve Type Legend:

Ave = Average ISTD

Lin1 = Linear 1/conc ISTD

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1400.D  
 Lims ID: STD8260 L6 Client ID:  
 Inject. Date: 14-Dec-2012 15:32:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 6  
 Sample ID: 240-0015869-002  
 Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 68811 Lims Sample ID: 2  
 Sublist: chrom-8260\_10\*sub25  
 Detector: MS SCAN  
 Method: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\8260\_10.m  
 Last Update: 17-Dec-2012 09:35:32 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK031

First Level Reviewer: quayler

Date: 14-Dec-2012 16:52:39

| Compound                            | Sig | RT     | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|-------------------------------------|-----|--------|--------|--------|-----|----------|-----------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.203  | 5.206  | -0.003 | 100 | 1830513  | 10.0            |       |
| * 2 Chlorobenzene-d5                | 117 | 7.878  | 7.880  | -0.002 | 82  | 1330181  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.126 | 10.129 | -0.003 | 91  | 755485   | 10.0            |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.635  | 4.636  | -0.001 | 67  | 1735851  | 40.5            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.919  | 4.920  | -0.001 | 0   | 2013493  | 40.3            |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.564  | 6.565  | -0.001 | 92  | 7239634  | 42.0            |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.990  | 8.991  | -0.001 | 93  | 2512201  | 41.5            |       |
| 12 Dichlorodifluoromethane          | 85  | 1.559  | 1.560  | -0.001 | 88  | 1465250  | 43.3            |       |
| 13 Chloromethane                    | 50  | 1.701  | 1.690  | 0.011  | 100 | 2421494  | 40.1            |       |
| 14 Vinyl chloride                   | 62  | 1.795  | 1.796  | -0.001 | 97  | 2448503  | 40.7            |       |
| 16 Bromomethane                     | 94  | 2.091  | 2.080  | 0.011  | 90  | 986207   | 35.0            |       |
| 17 Chloroethane                     | 64  | 2.174  | 2.163  | 0.011  | 95  | 1374711  | 39.3            |       |
| 19 Trichlorofluoromethane           | 101 | 2.399  | 2.388  | 0.011  | 98  | 1872605  | 38.5            |       |
| 21 Acrolein                         | 56  | 2.707  | 2.707  | 0.0    | 95  | 2155771  | 392.9           |       |
| 23 1,1-Dichloroethene               | 96  | 2.813  | 2.814  | -0.001 | 89  | 1805547  | 38.9            |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.825  | 2.826  | -0.001 | 83  | 1447462  | 40.0            |       |
| 24 Acetone                          | 43  | 2.825  | 2.826  | -0.001 | 85  | 855958   | 80.0            |       |
| 26 Iodomethane                      | 142 | 2.943  | 2.944  | -0.001 | 96  | 2839133  | 38.6            |       |
| 27 Carbon disulfide                 | 76  | 3.014  | 3.003  | 0.011  | 99  | 6005070  | 42.5            |       |
| 28 Acetonitrile                     | 41  | 3.050  | 3.051  | -0.001 | 98  | 1342771  | 409.6           |       |
| 30 Methyl acetate                   | 43  | 3.109  | 3.098  | 0.011  | 96  | 2638039  | 77.0            |       |
| 31 Methylene Chloride               | 84  | 3.204  | 3.193  | 0.011  | 91  | 2066270  | 40.4            |       |
| 32 2-Methyl-2-propanol              | 59  | 3.263  | 3.264  | -0.001 | 98  | 1530596  | 727.2           |       |
| 33 Acrylonitrile                    | 53  | 3.381  | 3.382  | -0.001 | 98  | 1253177  | 77.6            |       |
| 35 Methyl tert-butyl ether          | 73  | 3.428  | 3.429  | -0.001 | 88  | 5258214  | 42.6            |       |
| 34 trans-1,2-Dichloroethene         | 96  | 3.428  | 3.429  | -0.001 | 65  | 2013318  | 40.1            |       |
| 36 Hexane                           | 86  | 3.665  | 3.666  | -0.001 | 92  | 413173   | 41.3            |       |
| 37 1,1-Dichloroethane               | 63  | 3.772  | 3.772  | 0.0    | 97  | 3344223  | 40.2            |       |
| 38 Vinyl acetate                    | 86  | 3.795  | 3.796  | -0.001 | 97  | 318877   | 44.9            |       |

| Compound                       | Sig | RT     | EXP RT | DLT RT | Q  | Response | On-Col Amt ug/l | Flags |
|--------------------------------|-----|--------|--------|--------|----|----------|-----------------|-------|
| 42 2-Butanone (MEK)            | 43  | 4.245  | 4.246  | -0.001 | 93 | 1351963  | 80.6            |       |
| 43 cis-1,2-Dichloroethene      | 96  | 4.245  | 4.246  | -0.001 | 69 | 2151531  | 40.4            |       |
| 44 2,2-Dichloropropane         | 77  | 4.257  | 4.257  | 0.0    | 80 | 1839264  | 42.6            |       |
| 48 Chlorobromomethane          | 128 | 4.446  | 4.447  | -0.001 | 89 | 1034113  | 39.5            |       |
| 49 Tetrahydrofuran             | 42  | 4.493  | 4.494  | -0.001 | 96 | 455243   | 39.0            |       |
| 50 Chloroform                  | 83  | 4.505  | 4.494  | 0.011  | 82 | 3370739  | 40.2            |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.683  | 4.672  | 0.011  | 93 | 2516616  | 41.3            |       |
| 52 Cyclohexane                 | 56  | 4.742  | 4.743  | -0.001 | 88 | 3261330  | 42.6            |       |
| 53 1,1-Dichloropropene         | 75  | 4.813  | 4.814  | -0.001 | 94 | 2605682  | 42.2            |       |
| 54 Carbon tetrachloride        | 117 | 4.825  | 4.825  | 0.0    | 77 | 2264034  | 42.6            |       |
| 56 1,2-Dichloroethane          | 62  | 4.978  | 4.979  | -0.001 | 46 | 2404196  | 41.1            |       |
| 57 Benzene                     | 78  | 4.990  | 4.979  | 0.011  | 94 | 8285150  | 41.5            |       |
| 61 Trichloroethene             | 130 | 5.523  | 5.524  | -0.001 | 96 | 2092163  | 41.1            |       |
| 64 1,2-Dichloropropane         | 63  | 5.700  | 5.701  | -0.001 | 91 | 1874945  | 42.6            |       |
| 63 Methylcyclohexane           | 83  | 5.700  | 5.701  | -0.001 | 91 | 2913559  | 43.4            |       |
| 66 Dibromomethane              | 93  | 5.807  | 5.808  | -0.001 | 88 | 1070356  | 40.9            |       |
| 67 1,4-Dioxane                 | 88  | 5.807  | 5.808  | -0.001 | 44 | 546333   | 2043.4          |       |
| 68 Dichlorobromomethane        | 83  | 5.925  | 5.926  | -0.001 | 94 | 2444656  | 44.9            |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.174  | 6.174  | 0.0    | 90 | 2178949  | 95.2            |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.316  | 6.316  | 0.0    | 93 | 2939323  | 47.1            |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.446  | 6.447  | -0.001 | 97 | 2986828  | 88.2            |       |
| 73 Toluene                     | 91  | 6.635  | 6.624  | 0.011  | 97 | 8918073  | 41.9            |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.801  | 6.802  | -0.001 | 92 | 2627978  | 46.6            |       |
| 75 Ethyl methacrylate          | 69  | 6.872  | 6.873  | -0.001 | 89 | 2402128  | 41.2            |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.966  | 6.967  | -0.001 | 90 | 1626165  | 39.4            |       |
| 77 1,3-Dichloropropane         | 76  | 7.120  | 7.121  | -0.001 | 89 | 2941228  | 41.0            |       |
| 78 Tetrachloroethene           | 164 | 7.132  | 7.133  | -0.001 | 86 | 1743486  | 40.1            |       |
| 79 2-Hexanone                  | 43  | 7.191  | 7.192  | -0.001 | 96 | 2011555  | 85.7            |       |
| 81 Chlorodibromomethane        | 129 | 7.333  | 7.334  | -0.001 | 90 | 1943180  | 46.1            |       |
| 83 Ethylene Dibromide          | 107 | 7.452  | 7.452  | 0.0    | 98 | 1681754  | 41.4            |       |
| 85 Chlorobenzene               | 112 | 7.913  | 7.914  | -0.001 | 97 | 5763785  | 41.2            |       |
| 86 1,1,1,2-Tetrachloroethane   | 131 | 7.984  | 7.973  | 0.011  | 89 | 2009188  | 42.0            |       |
| 87 Ethylbenzene                | 106 | 8.008  | 8.008  | 0.0    | 97 | 3122357  | 43.7            |       |
| 88 m-Xylene & p-Xylene         | 106 | 8.114  | 8.115  | -0.001 | 99 | 8029139  | 88.8            |       |
| 89 o-Xylene                    | 106 | 8.493  | 8.494  | -0.001 | 91 | 3786625  | 43.5            |       |
| 90 Styrene                     | 104 | 8.505  | 8.505  | 0.0    | 93 | 6580880  | 46.1            |       |
| 91 Bromoform                   | 173 | 8.682  | 8.683  | -0.001 | 98 | 1257632  | 45.9            |       |
| 92 Isopropylbenzene            | 105 | 8.848  | 8.849  | -0.001 | 94 | 9434871  | 44.6            |       |
| 95 1,1,2,2-Tetrachloroethane   | 83  | 9.108  | 9.109  | -0.001 | 88 | 2103601  | 39.1            |       |
| 96 Bromobenzene                | 156 | 9.144  | 9.144  | 0.0    | 92 | 2512184  | 43.6            |       |
| 97 1,2,3-Trichloropropane      | 110 | 9.155  | 9.156  | -0.001 | 76 | 689742   | 39.4            |       |
| 98 trans-1,4-Dichloro-2-butene | 53  | 9.167  | 9.168  | -0.001 | 74 | 627324   | 47.1            |       |
| 99 N-Propylbenzene             | 120 | 9.250  | 9.239  | 0.011  | 97 | 2575518  | 46.2            |       |
| 100 2-Chlorotoluene            | 126 | 9.333  | 9.334  | -0.001 | 95 | 2291217  | 43.4            |       |
| 101 1,3,5-Trimethylbenzene     | 105 | 9.416  | 9.417  | -0.001 | 93 | 7282720  | 45.3            |       |
| 102 4-Chlorotoluene            | 126 | 9.439  | 9.440  | -0.001 | 97 | 2495788  | 44.4            |       |
| 103 tert-Butylbenzene          | 119 | 9.735  | 9.736  | -0.001 | 90 | 6582408  | 45.8            |       |
| 104 1,2,4-Trimethylbenzene     | 105 | 9.783  | 9.783  | 0.0    | 72 | 7368168  | 44.7            |       |
| 105 sec-Butylbenzene           | 105 | 9.948  | 9.949  | -0.001 | 93 | 7782442  | 43.4            |       |
| 106 1,3-Dichlorobenzene        | 146 | 10.067 | 10.067 | 0.0    | 97 | 4452897  | 41.8            |       |
| 107 4-Isopropyltoluene         | 119 | 10.090 | 10.091 | -0.001 | 97 | 6703826  | 43.8            |       |
| 108 1,4-Dichlorobenzene        | 146 | 10.149 | 10.150 | -0.001 | 95 | 4675040  | 40.5            |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 110 n-Butylbenzene               | 91  | 10.504 | 10.493    | 0.011     | 94  | 5309751  | 43.5               |       |
| 111 1,2-Dichlorobenzene          | 146 | 10.516 | 10.517    | -0.001    | 98  | 4020924  | 39.4               |       |
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.285 | 11.286    | -0.001    | 87  | 267693   | 33.3               |       |
| 113 1,3,5-Trichlorobenzene       | 180 | 11.510 | 11.511    | -0.001    | 97  | 1891087  | 33.9               |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.125 | 12.126    | -0.001    | 94  | 1524561  | 31.7               |       |
| 115 Hexachlorobutadiene          | 225 | 12.303 | 12.304    | -0.001    | 94  | 464400   | 19.4               |       |
| 116 Naphthalene                  | 128 | 12.374 | 12.375    | -0.001    | 100 | 3528569  | 30.2               |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.622 | 12.623    | -0.001    | 99  | 1039150  | 22.1               |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0   |          | 177.0              |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0   |          | 80.4               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0   |          | 93.7               |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0   |          | 132.3              |       |

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1400.D

Injection Date: 14-Dec-2012 15:32:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 68811

Lims Sample ID: 2

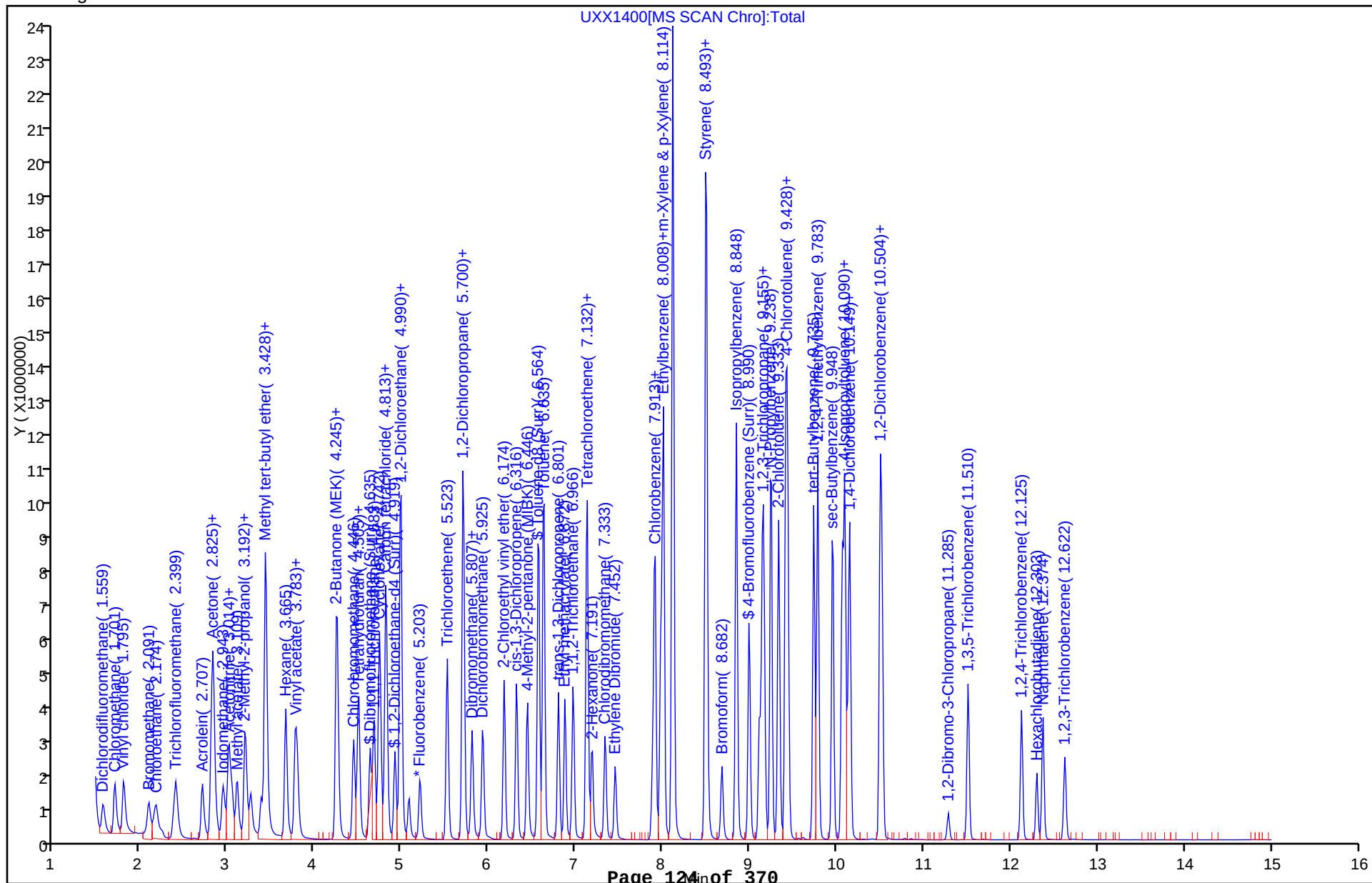
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:





TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1401.D  
 Lims ID: STD8260 L5 Client ID:  
 Inject. Date: 14-Dec-2012 15:53:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 5  
 Sample ID: 240-0015869-003  
 Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 2  
 Lims Batch ID: 68811 Lims Sample ID: 3  
 Sublist: chrom-8260\_10\*sub25  
 Detector: MS SCAN  
 Method: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\8260\_10.m  
 Last Update: 17-Dec-2012 09:35:33 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK031

First Level Reviewer: quayler

Date: 14-Dec-2012 16:52:48

| Compound                                 | Sig | RT     | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|------------------------------------------|-----|--------|--------|--------|-----|----------|-----------------|-------|
| * 1 Fluorobenzene                        | 96  | 5.204  | 5.206  | -0.002 | 99  | 1900330  | 10.0            |       |
| * 2 Chlorobenzene-d5                     | 117 | 7.879  | 7.880  | -0.001 | 82  | 1301576  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4               | 152 | 10.127 | 10.129 | -0.002 | 80  | 793511   | 10.0            |       |
| \$ 5 Dibromofluoromethane (Surr)         | 113 | 4.636  | 4.636  | 0.0    | 59  | 884388   | 19.9            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)        | 65  | 4.920  | 4.920  | 0.0    | 0   | 1012260  | 19.5            |       |
| \$ 7 Toluene-d8 (Surr)                   | 98  | 6.565  | 6.565  | 0.0    | 90  | 3419440  | 20.3            |       |
| \$ 8 4-Bromofluorobenzene (Surr)         | 95  | 8.991  | 8.991  | 0.0    | 93  | 1210691  | 20.4            |       |
| 12 Dichlorodifluoromethane               | 85  | 1.560  | 1.560  | 0.0    | 88  | 701197   | 20.0            |       |
| 13 Chloromethane                         | 50  | 1.690  | 1.690  | 0.0    | 99  | 1197291  | 19.1            |       |
| 14 Vinyl chloride                        | 62  | 1.797  | 1.796  | 0.001  | 94  | 1189219  | 19.1            |       |
| 16 Bromomethane                          | 94  | 2.081  | 2.080  | 0.001  | 89  | 530218   | 18.1            |       |
| 17 Chloroethane                          | 64  | 2.163  | 2.163  | 0.0    | 99  | 691777   | 19.0            |       |
| 19 Trichlorofluoromethane                | 101 | 2.388  | 2.388  | 0.0    | 87  | 908849   | 18.0            |       |
| 21 Acrolein                              | 56  | 2.696  | 2.707  | -0.011 | 95  | 1128836  | 198.2           |       |
| 23 1,1-Dichloroethene                    | 96  | 2.814  | 2.814  | 0.0    | 96  | 924980   | 19.2            |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroethane | 151 | 2.826  | 2.826  | 0.0    | 94  | 705696   | 18.8            |       |
| 24 Acetone                               | 43  | 2.826  | 2.826  | 0.0    | 93  | 447033   | 39.8            |       |
| 26 Iodomethane                           | 142 | 2.944  | 2.944  | 0.0    | 96  | 1491127  | 19.5            |       |
| 27 Carbon disulfide                      | 76  | 3.004  | 3.003  | 0.001  | 99  | 2906807  | 19.8            |       |
| 28 Acetonitrile                          | 41  | 3.051  | 3.051  | 0.0    | 95  | 650587   | 191.2           |       |
| 30 Methyl acetate                        | 43  | 3.098  | 3.098  | 0.0    | 95  | 1371027  | 38.5            |       |
| 31 Methylene Chloride                    | 84  | 3.193  | 3.193  | 0.0    | 88  | 1075839  | 19.8            |       |
| 32 2-Methyl-2-propanol                   | 59  | 3.264  | 3.264  | 0.0    | 94  | 858644   | 393.0           |       |
| 33 Acrylonitrile                         | 53  | 3.382  | 3.382  | 0.0    | 100 | 668258   | 39.8            |       |
| 35 Methyl tert-butyl ether               | 73  | 3.430  | 3.429  | 0.001  | 88  | 2620917  | 20.5            |       |
| 34 trans-1,2-Dichloroethene              | 96  | 3.430  | 3.429  | 0.001  | 67  | 1018642  | 19.5            |       |
| 36 Hexane                                | 86  | 3.666  | 3.666  | 0.0    | 92  | 194683   | 18.7            |       |
| 37 1,1-Dichloroethane                    | 63  | 3.773  | 3.772  | 0.001  | 85  | 1689424  | 19.6            |       |
| 38 Vinyl acetate                         | 86  | 3.796  | 3.796  | 0.0    | 96  | 161200   | 21.9            |       |

| Compound                       | Sig | RT     | EXP RT | DLT RT | Q  | Response | On-Col Amt ug/l | Flags |
|--------------------------------|-----|--------|--------|--------|----|----------|-----------------|-------|
| 42 2-Butanone (MEK)            | 43  | 4.246  | 4.246  | 0.0    | 68 | 714268   | 41.0            |       |
| 43 cis-1,2-Dichloroethene      | 96  | 4.246  | 4.246  | 0.0    | 84 | 1084405  | 19.6            |       |
| 44 2,2-Dichloropropane         | 77  | 4.258  | 4.257  | 0.001  | 88 | 912625   | 20.3            |       |
| 48 Chlorobromomethane          | 128 | 4.447  | 4.447  | 0.0    | 91 | 533012   | 19.6            |       |
| 49 Tetrahydrofuran             | 42  | 4.494  | 4.494  | 0.0    | 94 | 243391   | 20.1            |       |
| 50 Chloroform                  | 83  | 4.494  | 4.494  | 0.0    | 93 | 1705669  | 19.6            |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.672  | 4.672  | 0.0    | 91 | 1264608  | 20.0            |       |
| 52 Cyclohexane                 | 56  | 4.743  | 4.743  | 0.0    | 88 | 1579443  | 19.9            |       |
| 53 1,1-Dichloropropene         | 75  | 4.814  | 4.814  | 0.0    | 94 | 1290438  | 20.1            |       |
| 54 Carbon tetrachloride        | 117 | 4.826  | 4.825  | 0.001  | 79 | 1092712  | 19.8            |       |
| 56 1,2-Dichloroethane          | 62  | 4.980  | 4.979  | 0.001  | 52 | 1194163  | 19.7            |       |
| 57 Benzene                     | 78  | 4.980  | 4.979  | 0.001  | 94 | 4039822  | 19.5            |       |
| 61 Trichloroethene             | 130 | 5.524  | 5.524  | 0.0    | 95 | 1047905  | 19.8            |       |
| 64 1,2-Dichloropropane         | 63  | 5.701  | 5.701  | 0.0    | 77 | 924602   | 20.2            |       |
| 63 Methylcyclohexane           | 83  | 5.701  | 5.701  | 0.0    | 87 | 1401580  | 20.1            |       |
| 66 Dibromomethane              | 93  | 5.808  | 5.808  | 0.0    | 88 | 532813   | 19.6            |       |
| 67 1,4-Dioxane                 | 88  | 5.808  | 5.808  | 0.0    | 88 | 320231   | 1153.7          |       |
| 68 Dichlorobromomethane        | 83  | 5.926  | 5.926  | 0.0    | 94 | 1152209  | 20.4            |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.175  | 6.174  | 0.001  | 92 | 1041269  | 43.8            |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.317  | 6.316  | 0.001  | 92 | 1394385  | 21.5            |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.447  | 6.447  | 0.0    | 96 | 1499585  | 42.6            |       |
| 73 Toluene                     | 91  | 6.624  | 6.624  | 0.0    | 98 | 4260011  | 20.5            |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.802  | 6.802  | 0.0    | 88 | 1219585  | 22.1            |       |
| 75 Ethyl methacrylate          | 69  | 6.873  | 6.873  | 0.0    | 89 | 1106263  | 19.7            |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.968  | 6.967  | 0.001  | 85 | 784752   | 19.4            |       |
| 77 1,3-Dichloropropane         | 76  | 7.121  | 7.121  | 0.0    | 92 | 1411177  | 20.1            |       |
| 78 Tetrachloroethene           | 164 | 7.133  | 7.133  | 0.0    | 91 | 842392   | 19.8            |       |
| 79 2-Hexanone                  | 43  | 7.181  | 7.192  | -0.011 | 95 | 1006319  | 43.8            |       |
| 81 Chlorodibromomethane        | 129 | 7.334  | 7.334  | 0.0    | 89 | 883263   | 21.4            |       |
| 83 Ethylene Dibromide          | 107 | 7.453  | 7.452  | 0.001  | 98 | 815423   | 20.5            |       |
| 85 Chlorobenzene               | 112 | 7.914  | 7.914  | 0.0    | 97 | 2721158  | 19.9            |       |
| 86 1,1,1,2-Tetrachloroethane   | 131 | 7.973  | 7.973  | 0.0    | 89 | 977329   | 20.9            |       |
| 87 Ethylbenzene                | 106 | 8.009  | 8.008  | 0.001  | 97 | 1460383  | 20.9            |       |
| 88 m-Xylene & p-Xylene         | 106 | 8.115  | 8.115  | 0.0    | 99 | 3701497  | 41.8            |       |
| 89 o-Xylene                    | 106 | 8.494  | 8.494  | 0.0    | 89 | 1785939  | 21.0            |       |
| 90 Styrene                     | 104 | 8.506  | 8.505  | 0.001  | 93 | 3006905  | 21.5            |       |
| 91 Bromoform                   | 173 | 8.683  | 8.683  | 0.0    | 99 | 593612   | 22.1            |       |
| 92 Isopropylbenzene            | 105 | 8.849  | 8.849  | 0.0    | 94 | 4414441  | 21.3            |       |
| 95 1,1,2,2-Tetrachloroethane   | 83  | 9.109  | 9.109  | 0.0    | 94 | 1112923  | 19.7            |       |
| 96 Bromobenzene                | 156 | 9.145  | 9.144  | 0.001  | 91 | 1195678  | 19.8            |       |
| 97 1,2,3-Trichloropropane      | 110 | 9.157  | 9.156  | 0.001  | 73 | 367359   | 20.0            |       |
| 98 trans-1,4-Dichloro-2-butene | 53  | 9.168  | 9.168  | 0.0    | 73 | 291069   | 20.8            |       |
| 99 N-Propylbenzene             | 120 | 9.239  | 9.239  | 0.0    | 97 | 1202925  | 20.5            |       |
| 100 2-Chlorotoluene            | 126 | 9.334  | 9.334  | 0.0    | 97 | 1105775  | 19.9            |       |
| 101 1,3,5-Trimethylbenzene     | 105 | 9.417  | 9.417  | 0.0    | 91 | 3538007  | 21.0            |       |
| 102 4-Chlorotoluene            | 126 | 9.441  | 9.440  | 0.001  | 96 | 1200376  | 20.3            |       |
| 103 tert-Butylbenzene          | 119 | 9.736  | 9.736  | 0.0    | 88 | 2984266  | 19.8            |       |
| 104 1,2,4-Trimethylbenzene     | 105 | 9.784  | 9.783  | 0.001  | 85 | 3628284  | 20.9            |       |
| 105 sec-Butylbenzene           | 105 | 9.949  | 9.949  | 0.0    | 92 | 3886899  | 20.6            |       |
| 106 1,3-Dichlorobenzene        | 146 | 10.068 | 10.067 | 0.001  | 87 | 2221454  | 19.9            |       |
| 107 4-Isopropyltoluene         | 119 | 10.091 | 10.091 | 0.0    | 97 | 3363069  | 20.9            |       |
| 108 1,4-Dichlorobenzene        | 146 | 10.151 | 10.150 | 0.001  | 95 | 2378436  | 19.6            |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 110 n-Butylbenzene               | 91  | 10.494 | 10.493    | 0.001     | 95  | 2670295  | 20.8               |       |
| 111 1,2-Dichlorobenzene          | 146 | 10.517 | 10.517    | 0.0       | 98  | 2114347  | 19.7               |       |
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.287 | 11.286    | 0.001     | 86  | 176060   | 20.8               |       |
| 113 1,3,5-Trichlorobenzene       | 180 | 11.511 | 11.511    | 0.0       | 97  | 1145528  | 19.5               |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.127 | 12.126    | 0.001     | 94  | 1033524  | 20.4               |       |
| 115 Hexachlorobutadiene          | 225 | 12.304 | 12.304    | 0.0       | 92  | 407272   | 16.2               |       |
| 116 Naphthalene                  | 128 | 12.375 | 12.375    | 0.0       | 100 | 2771695  | 22.6               |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.624 | 12.623    | 0.001     | 99  | 900936   | 18.2               |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0   |          | 83.5               |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0   |          | 39.1               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0   |          | 43.6               |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0   |          | 62.8               |       |

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1401.D

Injection Date: 14-Dec-2012 15:53:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 68811

Lims Sample ID: 3

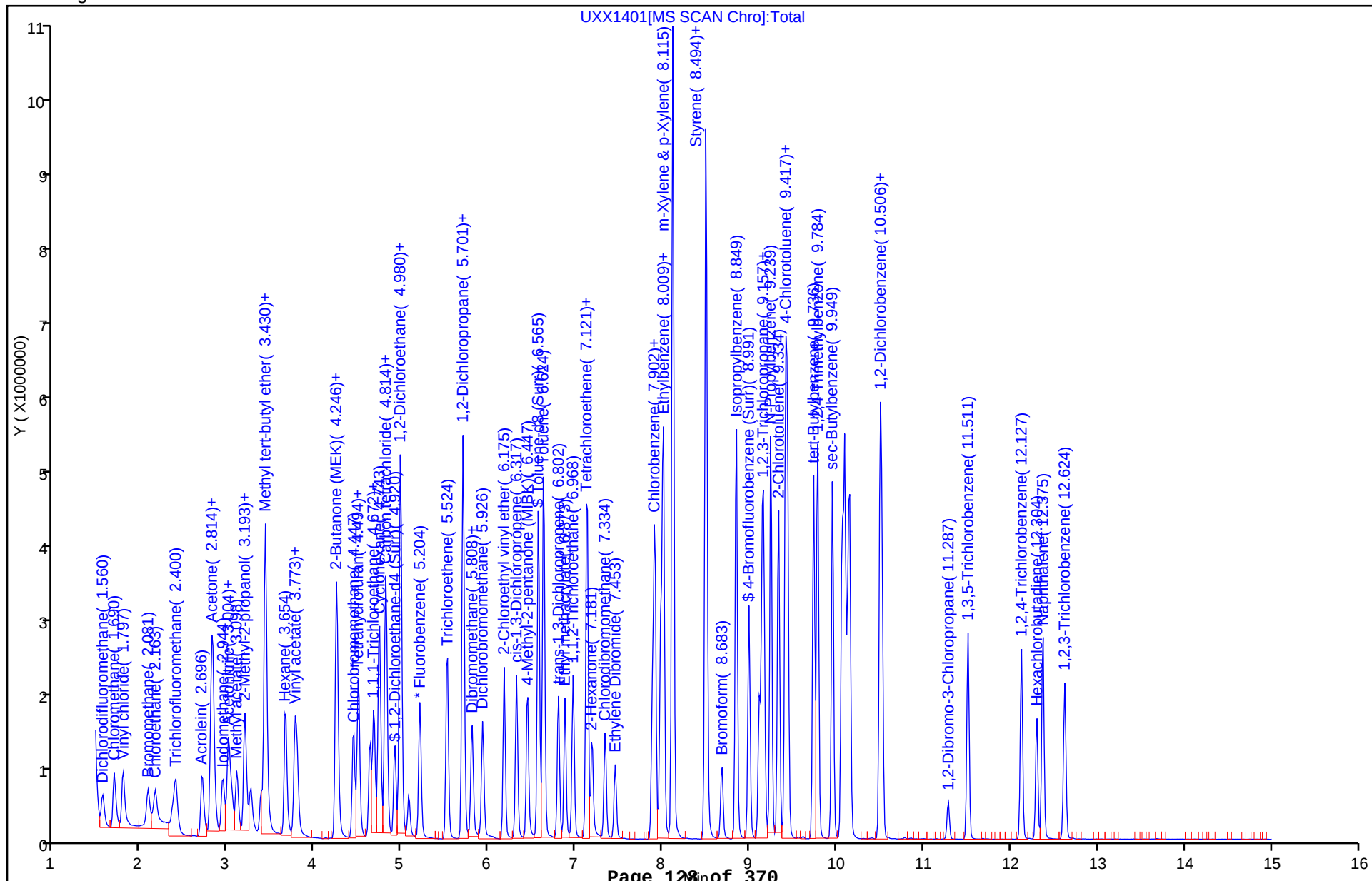
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1402.D  
 Lims ID: STD8260 L4 Client ID:  
 Inject. Date: 14-Dec-2012 16:15:30 Dil. Factor: 1.0000  
 Sample Type: ICIS Calib Level: 4  
 Sample ID: 240-0015869-004  
 Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 3  
 Lims Batch ID: 68811 Lims Sample ID: 4  
 Sublist: chrom-8260\_10\*sub25  
 Detector: MS SCAN  
 Method: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\8260\_10.m  
 Last Update: 17-Dec-2012 09:35:34 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK031

First Level Reviewer: quayler

Date: 14-Dec-2012 16:52:59

| Compound                            | Sig | RT     | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|-------------------------------------|-----|--------|--------|--------|-----|----------|-----------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.204  | 5.204  | 0.0    | 99  | 1972714  | 10.0            |       |
| * 2 Chlorobenzene-d5                | 117 | 7.878  | 7.878  | 0.0    | 83  | 1372066  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.127 | 10.127 | 0.0    | 91  | 826025   | 10.0            |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.636  | 4.636  | 0.0    | 59  | 480236   | 10.4            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.920  | 4.920  | 0.0    | 0   | 561592   | 10.4            |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.565  | 6.565  | 0.0    | 93  | 1829193  | 10.3            |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.991  | 8.991  | 0.0    | 93  | 639616   | 10.2            |       |
| 12 Dichlorodifluoromethane          | 85  | 1.560  | 1.560  | 0.0    | 97  | 367469   | 10.1            |       |
| 13 Chloromethane                    | 50  | 1.690  | 1.690  | 0.0    | 88  | 640285   | 9.83            |       |
| 14 Vinyl chloride                   | 62  | 1.796  | 1.796  | 0.0    | 97  | 637089   | 9.84            |       |
| 16 Bromomethane                     | 94  | 2.080  | 2.080  | 0.0    | 89  | 299602   | 9.86            |       |
| 17 Chloroethane                     | 64  | 2.163  | 2.163  | 0.0    | 100 | 364043   | 9.65            |       |
| 19 Trichlorofluoromethane           | 101 | 2.388  | 2.388  | 0.0    | 96  | 516118   | 9.85            |       |
| 21 Acrolein                         | 56  | 2.707  | 2.707  | 0.0    | 96  | 590361   | 99.8            |       |
| 23 1,1-Dichloroethene               | 96  | 2.814  | 2.814  | 0.0    | 97  | 478079   | 9.56            |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.826  | 2.826  | 0.0    | 86  | 370380   | 9.49            |       |
| 24 Acetone                          | 43  | 2.826  | 2.826  | 0.0    | 61  | 247062   | 20.8            |       |
| 26 Iodomethane                      | 142 | 2.944  | 2.944  | 0.0    | 96  | 786944   | 9.92            |       |
| 27 Carbon disulfide                 | 76  | 3.003  | 3.003  | 0.0    | 99  | 1511067  | 9.92            |       |
| 28 Acetonitrile                     | 41  | 3.051  | 3.051  | 0.0    | 95  | 344829   | 97.6            |       |
| 30 Methyl acetate                   | 43  | 3.098  | 3.098  | 0.0    | 95  | 716425   | 19.4            |       |
| 31 Methylene Chloride               | 84  | 3.193  | 3.193  | 0.0    | 90  | 579966   | 9.85            |       |
| 32 2-Methyl-2-propanol              | 59  | 3.264  | 3.264  | 0.0    | 96  | 450805   | 198.8           |       |
| 33 Acrylonitrile                    | 53  | 3.382  | 3.382  | 0.0    | 100 | 347593   | 20.0            |       |
| 35 Methyl tert-butyl ether          | 73  | 3.429  | 3.429  | 0.0    | 89  | 1345206  | 10.1            |       |
| 34 trans-1,2-Dichloroethene         | 96  | 3.429  | 3.429  | 0.0    | 65  | 537762   | 9.93            |       |
| 36 Hexane                           | 86  | 3.666  | 3.666  | 0.0    | 92  | 103509   | 9.60            |       |
| 37 1,1-Dichloroethane               | 63  | 3.772  | 3.772  | 0.0    | 97  | 882807   | 9.86            |       |
| 38 Vinyl acetate                    | 86  | 3.796  | 3.796  | 0.0    | 96  | 80180    | 10.5            |       |

| Compound                       | Sig | RT     | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|--------------------------------|-----|--------|--------|--------|-----|----------|-----------------|-------|
| 42 2-Butanone (MEK)            | 43  | 4.246  | 4.246  | 0.0    | 57  | 346151   | 19.1            |       |
| 43 cis-1,2-Dichloroethene      | 96  | 4.246  | 4.246  | 0.0    | 81  | 570916   | 9.94            |       |
| 44 2,2-Dichloropropane         | 77  | 4.257  | 4.257  | 0.0    | 88  | 465524   | 10.0            |       |
| 48 Chlorobromomethane          | 128 | 4.447  | 4.447  | 0.0    | 92  | 270865   | 9.59            |       |
| 49 Tetrahydrofuran             | 42  | 4.494  | 4.494  | 0.0    | 91  | 122366   | 9.72            |       |
| 50 Chloroform                  | 83  | 4.494  | 4.494  | 0.0    | 92  | 888343   | 9.82            |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.672  | 4.672  | 0.0    | 92  | 653910   | 9.96            |       |
| 52 Cyclohexane                 | 56  | 4.743  | 4.743  | 0.0    | 89  | 825127   | 10.0            |       |
| 53 1,1-Dichloropropene         | 75  | 4.814  | 4.814  | 0.0    | 94  | 656670   | 9.88            |       |
| 54 Carbon tetrachloride        | 117 | 4.825  | 4.825  | 0.0    | 80  | 568496   | 9.93            |       |
| 56 1,2-Dichloroethane          | 62  | 4.979  | 4.979  | 0.0    | 52  | 621111   | 9.85            |       |
| 57 Benzene                     | 78  | 4.979  | 4.979  | 0.0    | 94  | 2072804  | 9.64            |       |
| 61 Trichloroethene             | 130 | 5.524  | 5.524  | 0.0    | 96  | 535904   | 9.76            |       |
| 64 1,2-Dichloropropane         | 63  | 5.701  | 5.701  | 0.0    | 81  | 475830   | 10.0            |       |
| 63 Methylcyclohexane           | 83  | 5.701  | 5.701  | 0.0    | 90  | 723017   | 10.0            |       |
| 66 Dibromomethane              | 93  | 5.808  | 5.808  | 0.0    | 92  | 278287   | 9.87            |       |
| 67 1,4-Dioxane                 | 88  | 5.808  | 5.808  | 0.0    | 90  | 152231   | 528.3           |       |
| 68 Dichlorobromomethane        | 83  | 5.926  | 5.926  | 0.0    | 94  | 585738   | 9.99            |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.174  | 6.174  | 0.0    | 90  | 499763   | 20.3            |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.316  | 6.316  | 0.0    | 92  | 683552   | 10.2            |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.447  | 6.447  | 0.0    | 96  | 730318   | 20.0            |       |
| 73 Toluene                     | 91  | 6.624  | 6.624  | 0.0    | 95  | 2181955  | 9.94            |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.802  | 6.802  | 0.0    | 92  | 587888   | 10.1            |       |
| 75 Ethyl methacrylate          | 69  | 6.873  | 6.873  | 0.0    | 88  | 547095   | 9.48            |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.967  | 6.967  | 0.0    | 90  | 415376   | 9.76            |       |
| 77 1,3-Dichloropropane         | 76  | 7.121  | 7.121  | 0.0    | 94  | 719931   | 9.74            |       |
| 78 Tetrachloroethene           | 164 | 7.133  | 7.133  | 0.0    | 92  | 436221   | 9.72            |       |
| 79 2-Hexanone                  | 43  | 7.192  | 7.192  | 0.0    | 95  | 501002   | 20.7            |       |
| 81 Chlorodibromomethane        | 129 | 7.334  | 7.334  | 0.0    | 88  | 449306   | 10.3            |       |
| 83 Ethylene Dibromide          | 107 | 7.452  | 7.452  | 0.0    | 98  | 411739   | 9.84            |       |
| 85 Chlorobenzene               | 112 | 7.914  | 7.914  | 0.0    | 97  | 1393142  | 9.65            |       |
| 86 1,1,1,2-Tetrachloroethane   | 131 | 7.973  | 7.973  | 0.0    | 85  | 491018   | 9.95            |       |
| 87 Ethylbenzene                | 106 | 8.008  | 8.008  | 0.0    | 97  | 738252   | 10.0            |       |
| 88 m-Xylene & p-Xylene         | 106 | 8.115  | 8.115  | 0.0    | 100 | 1880784  | 20.2            |       |
| 89 o-Xylene                    | 106 | 8.494  | 8.494  | 0.0    | 90  | 919839   | 10.3            |       |
| 90 Styrene                     | 104 | 8.505  | 8.505  | 0.0    | 93  | 1511468  | 10.3            |       |
| 91 Bromoform                   | 173 | 8.683  | 8.683  | 0.0    | 99  | 281993   | 9.97            |       |
| 92 Isopropylbenzene            | 105 | 8.849  | 8.849  | 0.0    | 94  | 2200056  | 10.1            |       |
| 95 1,1,2,2-Tetrachloroethane   | 83  | 9.109  | 9.109  | 0.0    | 88  | 582186   | 9.89            |       |
| 96 Bromobenzene                | 156 | 9.144  | 9.144  | 0.0    | 90  | 613898   | 9.75            |       |
| 97 1,2,3-Trichloropropane      | 110 | 9.156  | 9.156  | 0.0    | 76  | 192099   | 10.0            |       |
| 98 trans-1,4-Dichloro-2-butene | 53  | 9.168  | 9.168  | 0.0    | 75  | 143098   | 9.83            |       |
| 99 N-Propylbenzene             | 120 | 9.239  | 9.239  | 0.0    | 97  | 635760   | 10.4            |       |
| 100 2-Chlorotoluene            | 126 | 9.334  | 9.334  | 0.0    | 97  | 576466   | 9.99            |       |
| 101 1,3,5-Trimethylbenzene     | 105 | 9.417  | 9.417  | 0.0    | 93  | 1826608  | 10.4            |       |
| 102 4-Chlorotoluene            | 126 | 9.440  | 9.440  | 0.0    | 98  | 615149   | 10.0            |       |
| 103 tert-Butylbenzene          | 119 | 9.736  | 9.736  | 0.0    | 89  | 1511971  | 9.62            |       |
| 104 1,2,4-Trimethylbenzene     | 105 | 9.783  | 9.783  | 0.0    | 85  | 1879912  | 10.4            |       |
| 105 sec-Butylbenzene           | 105 | 9.949  | 9.949  | 0.0    | 92  | 2000156  | 10.2            |       |
| 106 1,3-Dichlorobenzene        | 146 | 10.067 | 10.067 | 0.0    | 87  | 1133384  | 9.74            |       |
| 107 4-Isopropyltoluene         | 119 | 10.091 | 10.091 | 0.0    | 97  | 1724457  | 10.3            |       |
| 108 1,4-Dichlorobenzene        | 146 | 10.150 | 10.150 | 0.0    | 94  | 1207911  | 9.57            |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 110 n-Butylbenzene               | 91  | 10.493 | 10.493    | 0.0       | 97  | 1351363  | 10.1               |       |
| 111 1,2-Dichlorobenzene          | 146 | 10.517 | 10.517    | 0.0       | 99  | 1107131  | 9.92               |       |
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.286 | 11.286    | 0.0       | 78  | 90506    | 10.3               |       |
| 113 1,3,5-Trichlorobenzene       | 180 | 11.511 | 11.511    | 0.0       | 97  | 619057   | 10.1               |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.126 | 12.126    | 0.0       | 93  | 535668   | 10.2               |       |
| 115 Hexachlorobutadiene          | 225 | 12.304 | 12.304    | 0.0       | 96  | 235730   | 9.01               |       |
| 116 Naphthalene                  | 128 | 12.375 | 12.375    | 0.0       | 100 | 1422425  | 11.1               |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.623 | 12.623    | 0.0       | 99  | 501922   | 9.74               |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0   |          | 40.1               |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0   |          | 19.9               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0   |          | 20.3               |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0   |          | 30.4               |       |



## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1402.D

Injection Date: 14-Dec-2012 16:15:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 68811

Lims Sample ID: 4

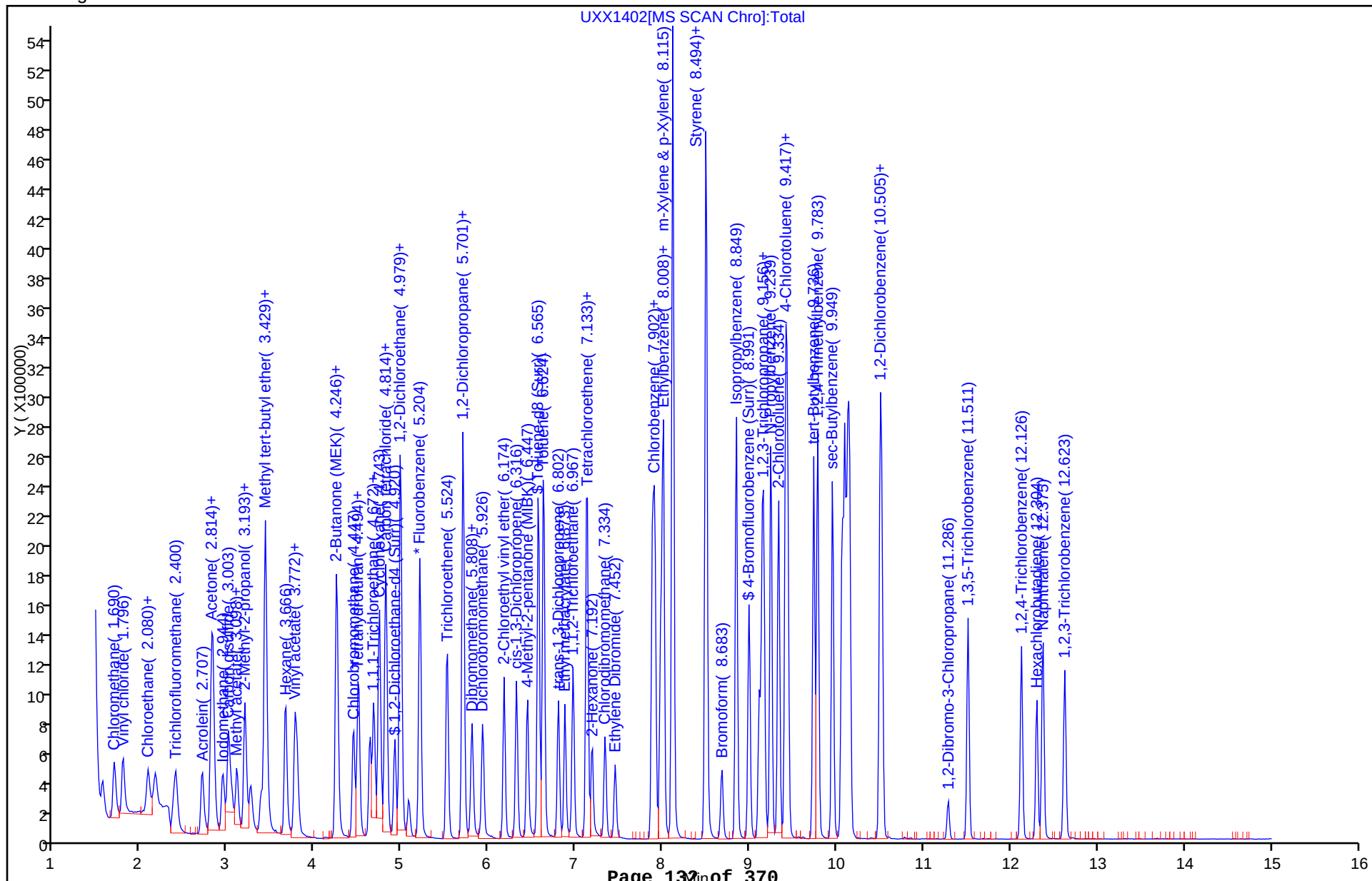
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:





TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1403.D  
 Lims ID: STD8260 L3 Client ID:  
 Inject. Date: 14-Dec-2012 16:36:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 3  
 Sample ID: 240-0015869-005  
 Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 4  
 Lims Batch ID: 68811 Lims Sample ID: 5  
 Sublist: chrom-8260\_10\*sub25  
 Detector: MS SCAN  
 Method: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\8260\_10.m  
 Last Update: 17-Dec-2012 09:35:35 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK031

| Compound                            | Sig | RT     | EXP RT | DLT RT | Q  | Response | On-Col Amt ug/l | Flags |
|-------------------------------------|-----|--------|--------|--------|----|----------|-----------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.204  | 5.204  | 0.0    | 99 | 2090185  | 10.0            |       |
| * 2 Chlorobenzene-d5                | 117 | 7.879  | 7.878  | 0.001  | 84 | 1389898  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.127 | 10.127 | 0.0    | 92 | 825944   | 10.0            |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.636  | 4.636  | 0.0    | 57 | 251766   | 5.15            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.920  | 4.920  | 0.0    | 0  | 283109   | 4.96            |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.565  | 6.565  | 0.0    | 82 | 924741   | 5.14            |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.991  | 8.991  | 0.0    | 92 | 320732   | 5.07            |       |
| 12 Dichlorodifluoromethane          | 85  | 1.560  | 1.560  | 0.0    | 97 | 195190   | 5.05            |       |
| 13 Chloromethane                    | 50  | 1.690  | 1.690  | 0.0    | 87 | 319288   | 4.63            |       |
| 14 Vinyl chloride                   | 62  | 1.785  | 1.796  | -0.011 | 97 | 334620   | 4.88            |       |
| 16 Bromomethane                     | 94  | 2.081  | 2.080  | 0.001  | 88 | 162768   | 5.05            |       |
| 17 Chloroethane                     | 64  | 2.163  | 2.163  | 0.0    | 94 | 194942   | 4.88            |       |
| 19 Trichlorofluoromethane           | 101 | 2.388  | 2.388  | 0.0    | 95 | 279258   | 5.03            |       |
| 21 Acrolein                         | 56  | 2.708  | 2.707  | 0.001  | 94 | 316219   | 50.5            |       |
| 23 1,1-Dichloroethene               | 96  | 2.814  | 2.814  | 0.0    | 97 | 260297   | 4.91            |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.826  | 2.826  | 0.0    | 88 | 195023   | 4.71            |       |
| 24 Acetone                          | 43  | 2.826  | 2.826  | 0.0    | 67 | 123882   | 9.34            |       |
| 26 Iodomethane                      | 142 | 2.944  | 2.944  | 0.0    | 97 | 417853   | 4.97            |       |
| 27 Carbon disulfide                 | 76  | 3.004  | 3.003  | 0.001  | 99 | 776307   | 4.81            |       |
| 28 Acetonitrile                     | 41  | 3.051  | 3.051  | 0.0    | 96 | 188394   | 50.3            |       |
| 30 Methyl acetate                   | 43  | 3.098  | 3.098  | 0.0    | 96 | 403759   | 10.3            |       |
| 31 Methylene Chloride               | 84  | 3.193  | 3.193  | 0.0    | 83 | 332847   | 4.92            |       |
| 32 2-Methyl-2-propanol              | 59  | 3.264  | 3.264  | 0.0    | 93 | 253376   | 105.4           |       |
| 33 Acrylonitrile                    | 53  | 3.382  | 3.382  | 0.0    | 99 | 192143   | 10.4            |       |
| 35 Methyl tert-butyl ether          | 73  | 3.430  | 3.429  | 0.001  | 89 | 700832   | 4.97            |       |
| 34 trans-1,2-Dichloroethene         | 96  | 3.430  | 3.429  | 0.001  | 67 | 281119   | 4.90            |       |
| 36 Hexane                           | 86  | 3.666  | 3.666  | 0.0    | 93 | 55548    | 4.86            |       |
| 37 1,1-Dichloroethane               | 63  | 3.773  | 3.772  | 0.001  | 96 | 464711   | 4.90            |       |
| 38 Vinyl acetate                    | 86  | 3.796  | 3.796  | 0.0    | 96 | 40276    | 4.97            |       |
| 42 2-Butanone (MEK)                 | 43  | 4.246  | 4.246  | 0.0    | 56 | 195379   | 10.2            |       |
| 43 cis-1,2-Dichloroethene           | 96  | 4.246  | 4.246  | 0.0    | 67 | 301005   | 4.95            |       |

| Compound                       | Sig | RT     | EXP<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ug/l | Flags |
|--------------------------------|-----|--------|-----------|-----------|----|----------|--------------------|-------|
| 44 2,2-Dichloropropane         | 77  | 4.258  | 4.257     | 0.001     | 74 | 247518   | 5.02               |       |
| 48 Chlorobromomethane          | 128 | 4.447  | 4.447     | 0.0       | 88 | 147118   | 4.92               |       |
| 49 Tetrahydrofuran             | 42  | 4.494  | 4.494     | 0.0       | 79 | 61864    | 4.64               |       |
| 50 Chloroform                  | 83  | 4.494  | 4.494     | 0.0       | 92 | 469599   | 4.90               |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.672  | 4.672     | 0.0       | 95 | 343724   | 4.94               |       |
| 52 Cyclohexane                 | 56  | 4.743  | 4.743     | 0.0       | 89 | 417191   | 4.78               |       |
| 53 1,1-Dichloropropene         | 75  | 4.814  | 4.814     | 0.0       | 94 | 348272   | 4.94               |       |
| 54 Carbon tetrachloride        | 117 | 4.826  | 4.825     | 0.001     | 79 | 290391   | 4.79               |       |
| 56 1,2-Dichloroethane          | 62  | 4.980  | 4.979     | 0.001     | 80 | 332746   | 4.98               |       |
| 57 Benzene                     | 78  | 4.980  | 4.979     | 0.001     | 94 | 1116074  | 4.90               |       |
| 61 Trichloroethene             | 130 | 5.524  | 5.524     | 0.0       | 97 | 288125   | 4.95               |       |
| 64 1,2-Dichloropropane         | 63  | 5.701  | 5.701     | 0.0       | 77 | 246855   | 4.91               |       |
| 63 Methylcyclohexane           | 83  | 5.701  | 5.701     | 0.0       | 86 | 363431   | 4.75               |       |
| 66 Dibromomethane              | 93  | 5.808  | 5.808     | 0.0       | 91 | 147000   | 4.92               |       |
| 67 1,4-Dioxane                 | 88  | 5.808  | 5.808     | 0.0       | 92 | 86141    | 282.2              |       |
| 68 Dichlorobromomethane        | 83  | 5.926  | 5.926     | 0.0       | 93 | 299266   | 4.82               |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.175  | 6.174     | 0.001     | 93 | 248859   | 9.53               |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.317  | 6.316     | 0.001     | 91 | 342339   | 4.80               |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.447  | 6.447     | 0.0       | 96 | 377538   | 9.76               |       |
| 73 Toluene                     | 91  | 6.624  | 6.624     | 0.0       | 99 | 1115595  | 5.02               |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.802  | 6.802     | 0.0       | 89 | 285077   | 4.84               |       |
| 75 Ethyl methacrylate          | 69  | 6.873  | 6.873     | 0.0       | 89 | 253577   | 4.61               |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.968  | 6.967     | 0.001     | 90 | 221646   | 5.14               |       |
| 77 1,3-Dichloropropane         | 76  | 7.121  | 7.121     | 0.0       | 93 | 371448   | 4.96               |       |
| 78 Tetrachloroethene           | 164 | 7.133  | 7.133     | 0.0       | 95 | 233887   | 5.14               |       |
| 79 2-Hexanone                  | 43  | 7.181  | 7.192     | -0.011    | 95 | 246809   | 10.1               |       |
| 81 Chlorodibromomethane        | 129 | 7.334  | 7.334     | 0.0       | 88 | 220689   | 5.01               |       |
| 83 Ethylene Dibromide          | 107 | 7.453  | 7.452     | 0.001     | 98 | 215997   | 5.09               |       |
| 85 Chlorobenzene               | 112 | 7.914  | 7.914     | 0.0       | 97 | 718279   | 4.91               |       |
| 86 1,1,1,2-Tetrachloroethane   | 131 | 7.973  | 7.973     | 0.0       | 82 | 249379   | 4.99               |       |
| 87 Ethylbenzene                | 106 | 8.009  | 8.008     | 0.001     | 97 | 375534   | 5.03               |       |
| 88 m-Xylene & p-Xylene         | 106 | 8.115  | 8.115     | 0.0       | 99 | 950545   | 10.1               |       |
| 89 o-Xylene                    | 106 | 8.494  | 8.494     | 0.0       | 94 | 452161   | 4.98               |       |
| 90 Styrene                     | 104 | 8.506  | 8.505     | 0.001     | 93 | 746678   | 5.00               |       |
| 91 Bromoform                   | 173 | 8.683  | 8.683     | 0.0       | 98 | 139362   | 4.86               |       |
| 92 Isopropylbenzene            | 105 | 8.849  | 8.849     | 0.0       | 95 | 1092782  | 4.95               |       |
| 95 1,1,2,2-Tetrachloroethane   | 83  | 9.109  | 9.109     | 0.0       | 95 | 291936   | 4.96               |       |
| 96 Bromobenzene                | 156 | 9.145  | 9.144     | 0.001     | 89 | 312609   | 4.96               |       |
| 97 1,2,3-Trichloropropane      | 110 | 9.157  | 9.156     | 0.001     | 75 | 95077    | 4.97               |       |
| 98 trans-1,4-Dichloro-2-butene | 53  | 9.168  | 9.168     | 0.0       | 67 | 72004    | 4.95               |       |
| 99 N-Propylbenzene             | 120 | 9.239  | 9.239     | 0.0       | 98 | 304646   | 5.00               |       |
| 100 2-Chlorotoluene            | 126 | 9.334  | 9.334     | 0.0       | 97 | 291871   | 5.06               |       |
| 101 1,3,5-Trimethylbenzene     | 105 | 9.417  | 9.417     | 0.0       | 94 | 897255   | 5.11               |       |
| 102 4-Chlorotoluene            | 126 | 9.441  | 9.440     | 0.001     | 96 | 304121   | 4.95               |       |
| 103 tert-Butylbenzene          | 119 | 9.736  | 9.736     | 0.0       | 89 | 828302   | 5.27               |       |
| 104 1,2,4-Trimethylbenzene     | 105 | 9.784  | 9.783     | 0.001     | 84 | 916215   | 5.08               |       |
| 105 sec-Butylbenzene           | 105 | 9.949  | 9.949     | 0.0       | 93 | 1006256  | 5.13               |       |
| 106 1,3-Dichlorobenzene        | 146 | 10.068 | 10.067    | 0.001     | 96 | 591644   | 5.09               |       |
| 107 4-Isopropyltoluene         | 119 | 10.091 | 10.091    | 0.0       | 94 | 853074   | 5.10               |       |
| 108 1,4-Dichlorobenzene        | 146 | 10.151 | 10.150    | 0.001     | 93 | 623927   | 4.94               |       |
| 110 n-Butylbenzene             | 91  | 10.494 | 10.493    | 0.001     | 97 | 668858   | 5.01               |       |
| 111 1,2-Dichlorobenzene        | 146 | 10.517 | 10.517    | 0.0       | 99 | 574232   | 5.14               |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.287 | 11.286    | 0.001     | 74  | 46693    | 5.31               |       |
| 113 1,3,5-Trichlorobenzene       | 180 | 11.511 | 11.511    | 0.0       | 98  | 324767   | 5.32               |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.127 | 12.126    | 0.001     | 89  | 277130   | 5.27               |       |
| 115 Hexachlorobutadiene          | 225 | 12.304 | 12.304    | 0.0       | 93  | 128818   | 4.92               |       |
| 116 Naphthalene                  | 128 | 12.375 | 12.375    | 0.0       | 100 | 709007   | 5.55               |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.624 | 12.623    | 0.001     | 98  | 271329   | 5.27               |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0   |          | 19.6               |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0   |          | 9.85               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0   |          | 9.64               |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0   |          | 15.0               |       |

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1403.D

Injection Date: 14-Dec-2012 16:36:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 68811

Lims Sample ID: 5

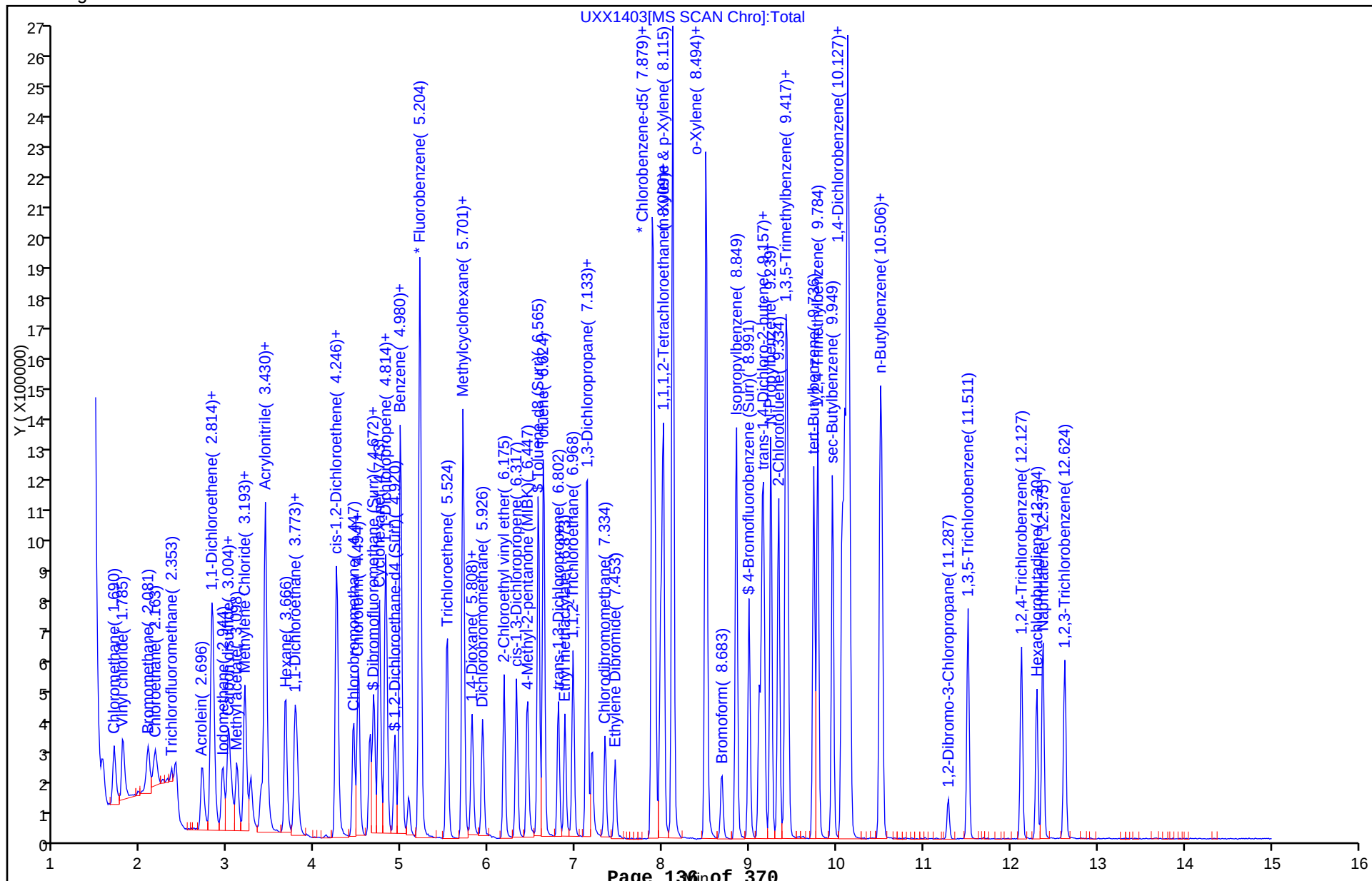
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1404.D  
 Lims ID: STD8260 L2 Client ID:  
 Inject. Date: 14-Dec-2012 16:57:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 2  
 Sample ID: 240-0015869-006  
 Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 5  
 Lims Batch ID: 68811 Lims Sample ID: 6  
 Sublist: chrom-8260\_10\*sub25  
 Detector: MS SCAN  
 Method: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\8260\_10.m  
 Last Update: 17-Dec-2012 09:35:36 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK031

| Compound                            | Sig | RT     | EXP<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ug/l | Flags |
|-------------------------------------|-----|--------|-----------|-----------|----|----------|--------------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.204  | 5.204     | 0.0       | 99 | 1962036  | 10.0               |       |
| * 2 Chlorobenzene-d5                | 117 | 7.878  | 7.878     | 0.0       | 85 | 1328069  | 10.0               |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.126 | 10.127    | -0.001    | 92 | 806217   | 10.0               |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.636  | 4.636     | 0.0       | 53 | 86392    | 1.88               |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.920  | 4.920     | 0.0       | 0  | 106682   | 1.99               |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.565  | 6.565     | 0.0       | 92 | 318950   | 1.85               |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.990  | 8.991     | -0.001    | 91 | 113500   | 1.88               |       |
| 12 Dichlorodifluoromethane          | 85  | 1.559  | 1.560     | -0.001    | 80 | 71948    | 1.98               |       |
| 13 Chloromethane                    | 50  | 1.689  | 1.690     | -0.001    | 99 | 131438   | 2.03               |       |
| 14 Vinyl chloride                   | 62  | 1.796  | 1.796     | 0.0       | 78 | 127350   | 1.98               |       |
| 16 Bromomethane                     | 94  | 2.080  | 2.080     | 0.0       | 87 | 61559    | 2.04               |       |
| 17 Chloroethane                     | 64  | 2.163  | 2.163     | 0.0       | 92 | 76233    | 2.03               |       |
| 19 Trichlorofluoromethane           | 101 | 2.388  | 2.388     | 0.0       | 94 | 109640   | 2.10               |       |
| 21 Acrolein                         | 56  | 2.707  | 2.707     | 0.0       | 91 | 118104   | 20.1               |       |
| 23 1,1-Dichloroethene               | 96  | 2.814  | 2.814     | 0.0       | 95 | 104920   | 2.11               |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.825  | 2.826     | -0.001    | 80 | 81824    | 2.11               |       |
| 24 Acetone                          | 43  | 2.825  | 2.826     | -0.001    | 60 | 55185    | 3.95               |       |
| 26 Iodomethane                      | 142 | 2.944  | 2.944     | 0.0       | 96 | 158689   | 2.01               |       |
| 27 Carbon disulfide                 | 76  | 3.003  | 3.003     | 0.0       | 98 | 289306   | 1.91               |       |
| 28 Acetonitrile                     | 41  | 3.050  | 3.051     | -0.001    | 94 | 72167    | 20.5               |       |
| 30 Methyl acetate                   | 43  | 3.109  | 3.098     | 0.011     | 96 | 145700   | 3.97               |       |
| 31 Methylene Chloride               | 84  | 3.192  | 3.193     | -0.001    | 89 | 153419   | 1.95               |       |
| 32 2-Methyl-2-propanol              | 59  | 3.263  | 3.264     | -0.001    | 96 | 96112    | 42.6               |       |
| 33 Acrylonitrile                    | 53  | 3.382  | 3.382     | 0.0       | 98 | 68221    | 3.94               |       |
| 35 Methyl tert-butyl ether          | 73  | 3.429  | 3.429     | 0.0       | 89 | 253570   | 1.92               |       |
| 34 trans-1,2-Dichloroethene         | 96  | 3.429  | 3.429     | 0.0       | 72 | 107586   | 2.00               |       |
| 36 Hexane                           | 86  | 3.666  | 3.666     | 0.0       | 90 | 23363    | 2.18               |       |
| 37 1,1-Dichloroethane               | 63  | 3.772  | 3.772     | 0.0       | 95 | 180038   | 2.02               |       |
| 38 Vinyl acetate                    | 86  | 3.808  | 3.796     | 0.012     | 95 | 12565    | 1.65               |       |
| 42 2-Butanone (MEK)                 | 43  | 4.245  | 4.246     | -0.001    | 55 | 67000    | 3.73               |       |
| 43 cis-1,2-Dichloroethene           | 96  | 4.245  | 4.246     | -0.001    | 76 | 111152   | 1.95               |       |

| Compound                       | Sig | RT     | EXP<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ug/l | Flags |
|--------------------------------|-----|--------|-----------|-----------|----|----------|--------------------|-------|
| 44 2,2-Dichloropropane         | 77  | 4.257  | 4.257     | 0.0       | 83 | 88390    | 1.91               |       |
| 48 Chlorobromomethane          | 128 | 4.447  | 4.447     | -0.001    | 86 | 59224    | 2.11               |       |
| 49 Tetrahydrofuran             | 42  | 4.494  | 4.494     | 0.0       | 30 | 26729    | 2.13               |       |
| 50 Chloroform                  | 83  | 4.506  | 4.494     | 0.012     | 82 | 181502   | 2.02               |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.671  | 4.672     | -0.001    | 91 | 127454   | 1.95               |       |
| 52 Cyclohexane                 | 56  | 4.742  | 4.743     | -0.001    | 88 | 158733   | 1.94               |       |
| 53 1,1-Dichloropropene         | 75  | 4.813  | 4.814     | -0.001    | 92 | 130002   | 1.97               |       |
| 54 Carbon tetrachloride        | 117 | 4.825  | 4.825     | 0.0       | 80 | 108482   | 1.91               |       |
| 56 1,2-Dichloroethane          | 62  | 4.979  | 4.979     | 0.0       | 46 | 125575   | 2.00               |       |
| 57 Benzene                     | 78  | 4.991  | 4.979     | 0.012     | 94 | 419287   | 1.96               |       |
| 61 Trichloroethene             | 130 | 5.523  | 5.524     | -0.001    | 93 | 105370   | 1.93               |       |
| 64 1,2-Dichloropropane         | 63  | 5.701  | 5.701     | 0.0       | 75 | 88848    | 1.88               |       |
| 63 Methylcyclohexane           | 83  | 5.701  | 5.701     | 0.0       | 86 | 139383   | 1.94               |       |
| 66 Dibromomethane              | 93  | 5.807  | 5.808     | -0.001    | 86 | 52642    | 1.88               |       |
| 67 1,4-Dioxane                 | 88  | 5.807  | 5.808     | -0.001    | 40 | 23007    | 80.3               |       |
| 68 Dichlorobromomethane        | 83  | 5.926  | 5.926     | 0.0       | 97 | 105852   | 1.81               |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.174  | 6.174     | 0.0       | 91 | 83867    | 3.42               |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.316  | 6.316     | 0.0       | 86 | 115070   | 1.72               |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.446  | 6.447     | -0.001    | 94 | 137346   | 3.78               |       |
| 73 Toluene                     | 91  | 6.624  | 6.624     | 0.0       | 94 | 391475   | 1.84               |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.801  | 6.802     | -0.001    | 91 | 96889    | 1.72               |       |
| 75 Ethyl methacrylate          | 69  | 6.872  | 6.873     | -0.001    | 88 | 80366    | 1.86               |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.967  | 6.967     | 0.0       | 84 | 80829    | 1.96               |       |
| 77 1,3-Dichloropropane         | 76  | 7.121  | 7.121     | 0.0       | 88 | 139604   | 1.95               |       |
| 78 Tetrachloroethene           | 164 | 7.133  | 7.133     | 0.0       | 92 | 85777    | 1.97               |       |
| 79 2-Hexanone                  | 43  | 7.192  | 7.192     | 0.0       | 91 | 85516    | 3.65               |       |
| 81 Chlorodibromomethane        | 129 | 7.334  | 7.334     | 0.0       | 84 | 71354    | 1.69               |       |
| 83 Ethylene Dibromide          | 107 | 7.452  | 7.452     | 0.0       | 94 | 77017    | 1.90               |       |
| 85 Chlorobenzene               | 112 | 7.914  | 7.914     | 0.0       | 97 | 267494   | 1.92               |       |
| 86 1,1,1,2-Tetrachloroethane   | 131 | 7.973  | 7.973     | 0.0       | 83 | 88467    | 1.85               |       |
| 87 Ethylbenzene                | 106 | 8.008  | 8.008     | 0.0       | 96 | 130191   | 1.82               |       |
| 88 m-Xylene & p-Xylene         | 106 | 8.115  | 8.115     | 0.0       | 99 | 333111   | 3.69               |       |
| 89 o-Xylene                    | 106 | 8.493  | 8.494     | -0.001    | 93 | 151628   | 1.75               |       |
| 90 Styrene                     | 104 | 8.505  | 8.505     | 0.0       | 92 | 251304   | 1.76               |       |
| 91 Bromoform                   | 173 | 8.683  | 8.683     | 0.0       | 96 | 50523    | 1.85               |       |
| 92 Isopropylbenzene            | 105 | 8.848  | 8.849     | -0.001    | 94 | 383482   | 1.82               |       |
| 95 1,1,2,2-Tetrachloroethane   | 83  | 9.109  | 9.109     | 0.0       | 85 | 116917   | 2.03               |       |
| 96 Bromobenzene                | 156 | 9.144  | 9.144     | 0.0       | 90 | 120378   | 1.96               |       |
| 97 1,2,3-Trichloropropane      | 110 | 9.168  | 9.156     | 0.012     | 81 | 39531    | 2.12               |       |
| 98 trans-1,4-Dichloro-2-butene | 53  | 9.168  | 9.168     | 0.0       | 71 | 26124    | 1.84               |       |
| 99 N-Propylbenzene             | 120 | 9.251  | 9.239     | 0.012     | 98 | 106115   | 1.78               |       |
| 100 2-Chlorotoluene            | 126 | 9.333  | 9.334     | -0.001    | 97 | 106035   | 1.88               |       |
| 101 1,3,5-Trimethylbenzene     | 105 | 9.416  | 9.417     | -0.001    | 94 | 313803   | 1.83               |       |
| 102 4-Chlorotoluene            | 126 | 9.440  | 9.440     | 0.0       | 96 | 114832   | 1.91               |       |
| 103 tert-Butylbenzene          | 119 | 9.736  | 9.736     | 0.0       | 85 | 292170   | 1.90               |       |
| 104 1,2,4-Trimethylbenzene     | 105 | 9.783  | 9.783     | 0.0       | 75 | 324423   | 1.84               |       |
| 105 sec-Butylbenzene           | 105 | 9.949  | 9.949     | 0.0       | 91 | 361742   | 1.89               |       |
| 106 1,3-Dichlorobenzene        | 146 | 10.067 | 10.067    | 0.0       | 96 | 222909   | 1.96               |       |
| 107 4-Isopropyltoluene         | 119 | 10.091 | 10.091    | 0.0       | 95 | 305478   | 1.87               |       |
| 108 1,4-Dichlorobenzene        | 146 | 10.150 | 10.150    | 0.0       | 91 | 245211   | 1.99               |       |
| 110 n-Butylbenzene             | 91  | 10.493 | 10.493    | 0.0       | 96 | 241423   | 1.85               |       |
| 111 1,2-Dichlorobenzene        | 146 | 10.517 | 10.517    | 0.0       | 96 | 213261   | 1.96               |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.286 | 11.286    | 0.0       | 47  | 16687    | 1.94               |       |
| 113 1,3,5-Trichlorobenzene       | 180 | 11.511 | 11.511    | 0.0       | 95  | 124291   | 2.09               |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.126 | 12.126    | 0.0       | 90  | 109926   | 2.14               |       |
| 115 Hexachlorobutadiene          | 225 | 12.303 | 12.304    | -0.001    | 86  | 58229    | 2.28               |       |
| 116 Naphthalene                  | 128 | 12.374 | 12.375    | -0.001    | 100 | 243498   | 1.95               |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.623 | 12.623    | 0.0       | 98  | 102615   | 2.04               |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0   |          | 7.37               |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0   |          | 3.94               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0   |          | 3.44               |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0   |          | 5.44               |       |



## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1404.D

Injection Date: 14-Dec-2012 16:57:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 68811

Lims Sample ID: 6

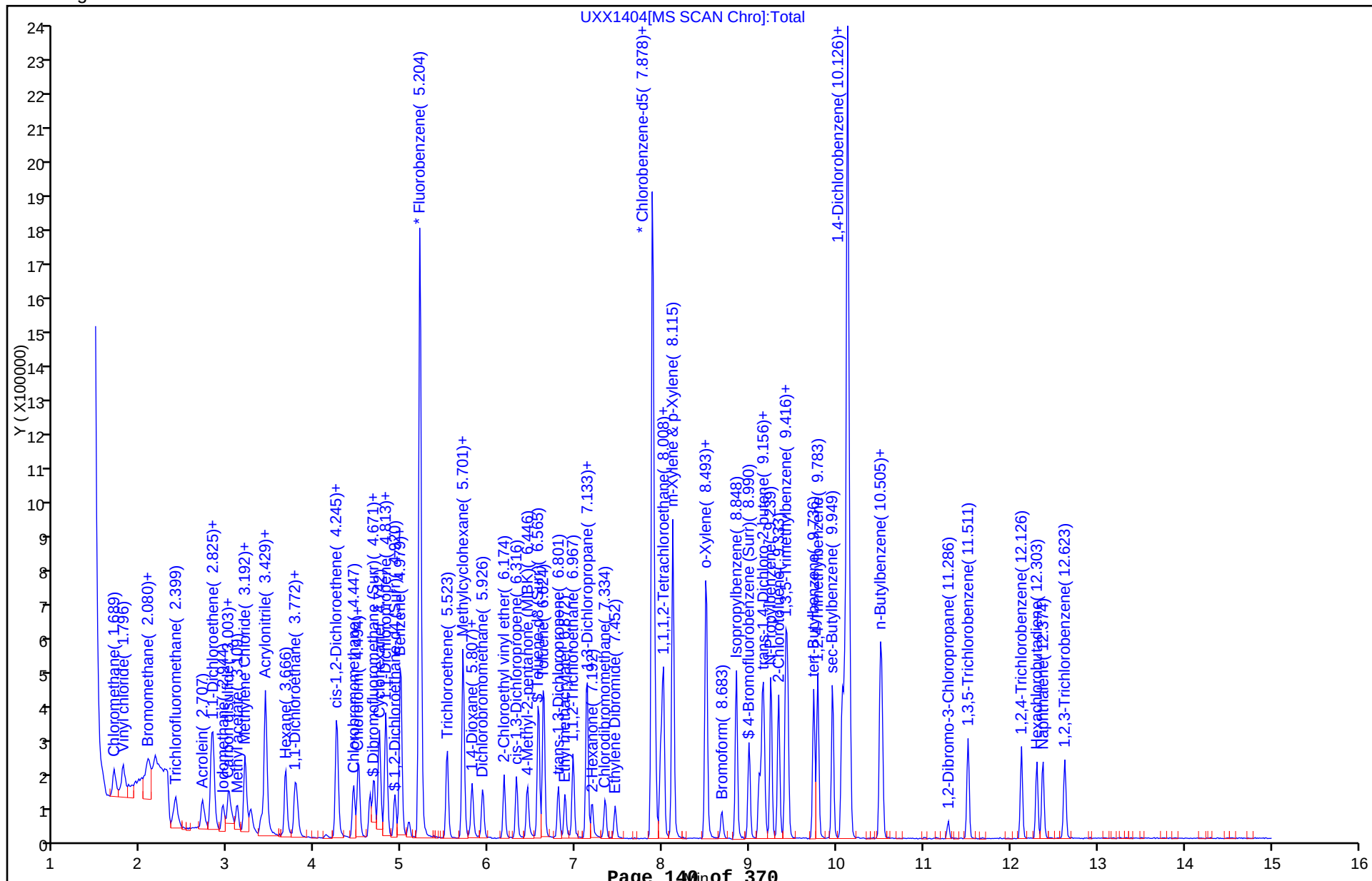
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:





TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1405.D  
 Lims ID: STD8260 L1 Client ID:  
 Inject. Date: 14-Dec-2012 17:19:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 1  
 Sample ID: 240-0015869-007  
 Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 6  
 Lims Batch ID: 68811 Lims Sample ID: 7  
 Sublist: chrom-8260\_10\*sub25  
 Detector: MS SCAN  
 Method: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\8260\_10.m  
 Last Update: 17-Dec-2012 09:35:36 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK031

First Level Reviewer: quayler

Date: 17-Dec-2012 07:46:07

| Compound                            | Sig | RT     | EXP RT | DLT RT | Q  | Response | On-Col Amt ug/l | Flags |
|-------------------------------------|-----|--------|--------|--------|----|----------|-----------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.204  | 5.204  | 0.0    | 99 | 1835708  | 10.0            |       |
| * 2 Chlorobenzene-d5                | 117 | 7.879  | 7.878  | 0.001  | 83 | 1246995  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.127 | 10.127 | 0.0    | 92 | 775321   | 10.0            |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.637  | 4.636  | 0.0    | 53 | 42158    | 0.9815          |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.920  | 4.920  | 0.0    | 0  | 49683    | 0.99            |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.565  | 6.565  | 0.0    | 86 | 153502   | 0.9506          |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.991  | 8.991  | 0.0    | 87 | 55001    | 0.9682          |       |
| 12 Dichlorodifluoromethane          | 85  | 1.560  | 1.560  | 0.0    | 66 | 30879    | 0.9099          |       |
| 13 Chloromethane                    | 50  | 1.690  | 1.690  | 0.0    | 85 | 67830    | 1.12            |       |
| 14 Vinyl chloride                   | 62  | 1.797  | 1.796  | 0.001  | 83 | 65107    | 1.08            |       |
| 16 Bromomethane                     | 94  | 2.081  | 2.080  | 0.001  | 79 | 34128    | 1.21            |       |
| 17 Chloroethane                     | 64  | 2.175  | 2.163  | 0.012  | 81 | 39044    | 1.11            |       |
| 19 Trichlorofluoromethane           | 101 | 2.400  | 2.388  | 0.012  | 84 | 53264    | 1.09            |       |
| 21 Acrolein                         | 56  | 2.708  | 2.707  | 0.001  | 88 | 55829    | 10.1            |       |
| 23 1,1-Dichloroethene               | 96  | 2.814  | 2.814  | 0.0    | 93 | 49912    | 1.07            |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.826  | 2.826  | 0.0    | 75 | 40608    | 1.12            |       |
| 24 Acetone                          | 43  | 2.826  | 2.826  | 0.0    | 68 | 31865    | 2.09            |       |
| 26 Iodomethane                      | 142 | 2.944  | 2.944  | 0.0    | 93 | 79033    | 1.07            |       |
| 27 Carbon disulfide                 | 76  | 3.004  | 3.003  | 0.001  | 98 | 147001   | 1.04            |       |
| 28 Acetonitrile                     | 41  | 3.051  | 3.051  | 0.0    | 90 | 33234    | 10.1            |       |
| 30 Methyl acetate                   | 43  | 3.098  | 3.098  | 0.0    | 85 | 74236    | 2.16            |       |
| 31 Methylene Chloride               | 84  | 3.193  | 3.193  | 0.0    | 87 | 98498    | 1.05            |       |
| 32 2-Methyl-2-propanol              | 59  | 3.264  | 3.264  | 0.0    | 91 | 42011    | 19.9            |       |
| 33 Acrylonitrile                    | 53  | 3.382  | 3.382  | 0.0    | 99 | 32738    | 2.02            |       |
| 35 Methyl tert-butyl ether          | 73  | 3.430  | 3.429  | 0.001  | 90 | 117426   | 0.9486          |       |
| 34 trans-1,2-Dichloroethene         | 96  | 3.430  | 3.429  | 0.001  | 73 | 53022    | 1.05            |       |
| 36 Hexane                           | 86  | 3.666  | 3.666  | 0.0    | 87 | 10101    | 1.01            |       |
| 37 1,1-Dichloroethane               | 63  | 3.773  | 3.772  | 0.001  | 80 | 86603    | 1.04            |       |
| 38 Vinyl acetate                    | 86  | 3.820  | 3.796  | 0.024  | 95 | 6515     | 0.9153          |       |

| Compound                       | Sig | RT     | EXP RT | DLT RT | Q  | Response | On-Col Amt ug/l | Flags |
|--------------------------------|-----|--------|--------|--------|----|----------|-----------------|-------|
| 42 2-Butanone (MEK)            | 43  | 4.246  | 4.246  | 0.0    | 53 | 35644    | 2.12            |       |
| 43 cis-1,2-Dichloroethene      | 96  | 4.246  | 4.246  | 0.0    | 76 | 56243    | 1.05            |       |
| 44 2,2-Dichloropropane         | 77  | 4.258  | 4.257  | 0.001  | 70 | 41719    | 0.9625          |       |
| 48 Chlorobromomethane          | 128 | 4.447  | 4.447  | 0.0    | 66 | 27240    | 1.04            |       |
| 49 Tetrahydrofuran             | 42  | 4.495  | 4.494  | 0.0    | 33 | 12370    | 1.06            |       |
| 50 Chloroform                  | 83  | 4.506  | 4.494  | 0.012  | 78 | 88171    | 1.05            |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.684  | 4.672  | 0.012  | 89 | 61698    | 1.01            |       |
| 52 Cyclohexane                 | 56  | 4.743  | 4.743  | 0.0    | 87 | 77885    | 1.02            |       |
| 53 1,1-Dichloropropene         | 75  | 4.814  | 4.814  | 0.0    | 92 | 60486    | 0.9776          |       |
| 54 Carbon tetrachloride        | 117 | 4.826  | 4.825  | 0.001  | 83 | 55305    | 1.04            |       |
| 56 1,2-Dichloroethane          | 62  | 4.980  | 4.979  | 0.001  | 52 | 59264    | 1.01            |       |
| 57 Benzene                     | 78  | 4.991  | 4.979  | 0.012  | 93 | 212719   | 1.06            |       |
| 61 Trichloroethene             | 130 | 5.524  | 5.524  | 0.0    | 93 | 53655    | 1.05            |       |
| 64 1,2-Dichloropropane         | 63  | 5.701  | 5.701  | 0.0    | 81 | 43830    | 0.99            |       |
| 63 Methylcyclohexane           | 83  | 5.701  | 5.701  | 0.0    | 88 | 66442    | 0.9880          |       |
| 66 Dibromomethane              | 93  | 5.808  | 5.808  | 0.0    | 85 | 28558    | 1.09            |       |
| 67 1,4-Dioxane                 | 88  | 5.820  | 5.808  | 0.012  | 22 | 11215    | 41.8            |       |
| 68 Dichlorobromomethane        | 83  | 5.926  | 5.926  | 0.0    | 94 | 53902    | 0.9877          |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.175  | 6.174  | 0.001  | 79 | 40924    | 1.78            |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.317  | 6.316  | 0.001  | 77 | 56936    | 0.9097          |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.447  | 6.447  | 0.0    | 85 | 61798    | 1.82            |       |
| 73 Toluene                     | 91  | 6.636  | 6.624  | 0.012  | 95 | 201223   | 1.01            |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.802  | 6.802  | 0.0    | 80 | 47071    | 0.8905          |       |
| 75 Ethyl methacrylate          | 69  | 6.873  | 6.873  | 0.0    | 83 | 38268    | 1.19            |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.968  | 6.967  | 0.001  | 80 | 40879    | 1.06            |       |
| 77 1,3-Dichloropropane         | 76  | 7.121  | 7.121  | 0.0    | 86 | 68872    | 1.03            |       |
| 78 Tetrachloroethene           | 164 | 7.133  | 7.133  | 0.0    | 87 | 41752    | 1.02            |       |
| 79 2-Hexanone                  | 43  | 7.192  | 7.192  | 0.0    | 87 | 38833    | 1.76            |       |
| 81 Chlorodibromomethane        | 129 | 7.334  | 7.334  | 0.0    | 77 | 35521    | 0.8981          |       |
| 83 Ethylene Dibromide          | 107 | 7.453  | 7.452  | 0.001  | 84 | 37474    | 0.9849          |       |
| 85 Chlorobenzene               | 112 | 7.914  | 7.914  | 0.0    | 93 | 140412   | 1.07            |       |
| 86 1,1,1,2-Tetrachloroethane   | 131 | 7.973  | 7.973  | 0.0    | 78 | 44156    | 0.9850          |       |
| 87 Ethylbenzene                | 106 | 8.009  | 8.008  | 0.001  | 96 | 63206    | 0.9435          |       |
| 88 m-Xylene & p-Xylene         | 106 | 8.115  | 8.115  | 0.0    | 99 | 153782   | 1.81            |       |
| 89 o-Xylene                    | 106 | 8.494  | 8.494  | 0.0    | 86 | 78906    | 0.9679          |       |
| 90 Styrene                     | 104 | 8.506  | 8.505  | 0.001  | 92 | 116186   | 0.8673          |       |
| 91 Bromoform                   | 173 | 8.683  | 8.683  | 0.0    | 90 | 21983    | 0.8551          |       |
| 92 Isopropylbenzene            | 105 | 8.849  | 8.849  | 0.0    | 93 | 180463   | 0.9106          |       |
| 95 1,1,2,2-Tetrachloroethane   | 83  | 9.109  | 9.109  | 0.0    | 85 | 57603    | 1.04            |       |
| 96 Bromobenzene                | 156 | 9.145  | 9.144  | 0.001  | 88 | 57702    | 0.9759          |       |
| 97 1,2,3-Trichloropropane      | 110 | 9.157  | 9.156  | 0.001  | 67 | 17288    | 0.9620          |       |
| 98 trans-1,4-Dichloro-2-butene | 53  | 9.168  | 9.168  | 0.0    | 60 | 12169    | 0.8905          |       |
| 99 N-Propylbenzene             | 120 | 9.239  | 9.239  | 0.0    | 95 | 50472    | 0.8824          |       |
| 100 2-Chlorotoluene            | 126 | 9.334  | 9.334  | 0.0    | 95 | 52302    | 0.9656          |       |
| 101 1,3,5-Trimethylbenzene     | 105 | 9.417  | 9.417  | 0.0    | 90 | 138525   | 0.8404          |       |
| 102 4-Chlorotoluene            | 126 | 9.441  | 9.440  | 0.001  | 96 | 53322    | 0.9245          |       |
| 103 tert-Butylbenzene          | 119 | 9.736  | 9.736  | 0.0    | 87 | 132732   | 0.8996          |       |
| 104 1,2,4-Trimethylbenzene     | 105 | 9.784  | 9.783  | 0.001  | 71 | 145206   | 0.8575          |       |
| 105 sec-Butylbenzene           | 105 | 9.949  | 9.949  | 0.0    | 87 | 165282   | 0.8971          |       |
| 106 1,3-Dichlorobenzene        | 146 | 10.068 | 10.067 | 0.001  | 95 | 107876   | 0.9877          |       |
| 107 4-Isopropyltoluene         | 119 | 10.091 | 10.091 | 0.0    | 93 | 136793   | 0.8713          |       |
| 108 1,4-Dichlorobenzene        | 146 | 10.151 | 10.150 | 0.001  | 78 | 126220   | 1.07            |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 110 n-Butylbenzene               | 91  | 10.494 | 10.493    | 0.001     | 93  | 117119   | 0.9341             |       |
| 111 1,2-Dichlorobenzene          | 146 | 10.517 | 10.517    | 0.0       | 96  | 108086   | 1.03               |       |
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.287 | 11.286    | 0.001     | 33  | 8751     | 1.06               |       |
| 113 1,3,5-Trichlorobenzene       | 180 | 11.511 | 11.511    | 0.0       | 91  | 60296    | 1.05               |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.127 | 12.126    | 0.001     | 85  | 51604    | 1.04               |       |
| 115 Hexachlorobutadiene          | 225 | 12.304 | 12.304    | 0.0       | 80  | 28628    | 1.17               |       |
| 116 Naphthalene                  | 128 | 12.375 | 12.375    | 0.0       | 100 | 109730   | 0.9152             |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.624 | 12.623    | 0.001     | 92  | 50318    | 1.04               |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0   |          | 3.79               |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0   |          | 2.10               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0   |          | 1.80               |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0   |          | 2.78               |       |

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1405.D

Injection Date: 14-Dec-2012 17:19:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 68811

Lims Sample ID: 7

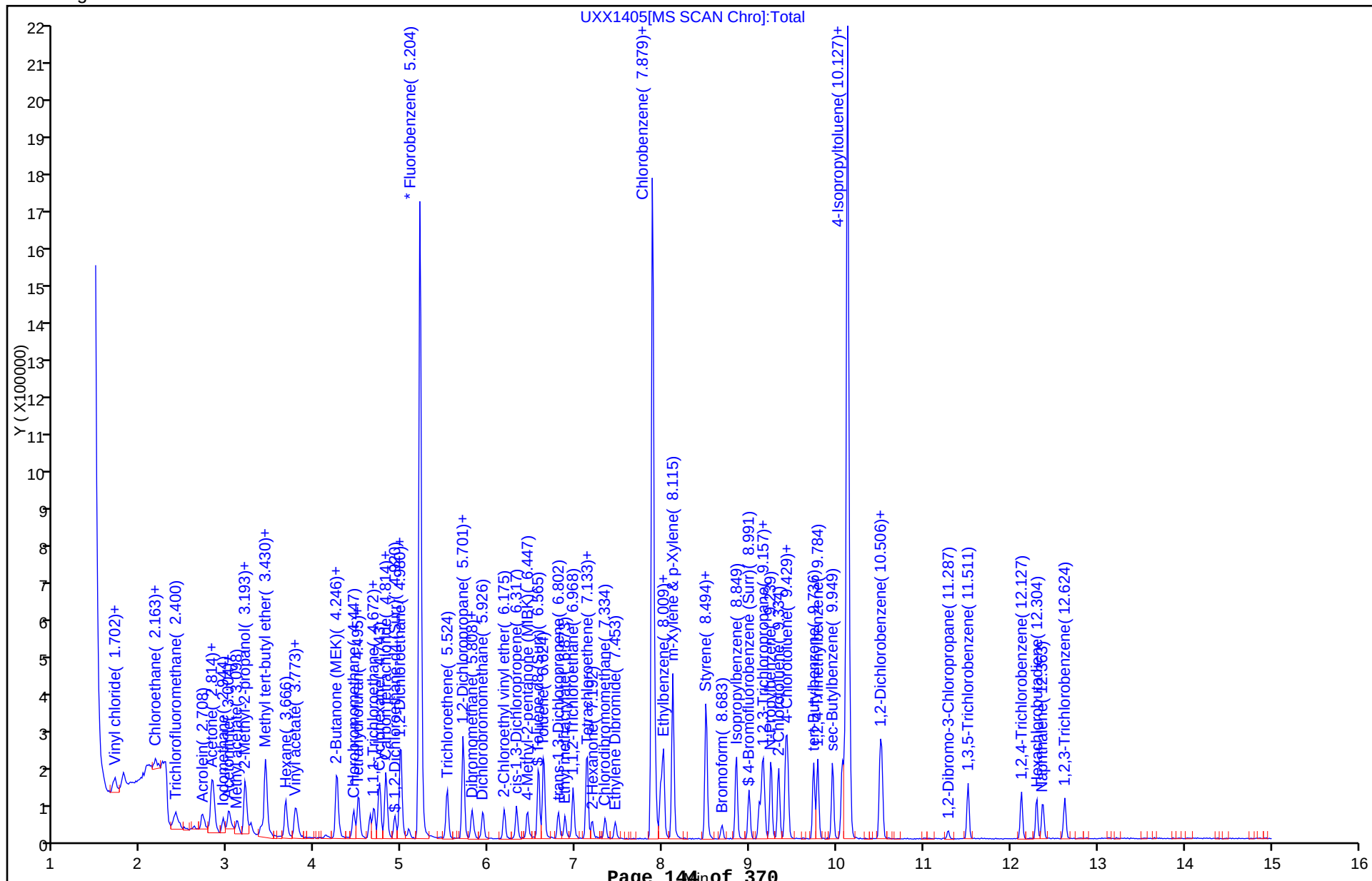
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICV 240-68811/14 Calibration Date: 12/14/2012 19:48

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1412.D Conc. Units: ng/uL Heated Purge: (Y/N) N

| ANALYTE                               | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|---------------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Dichlorodifluoromethane               | Ave           | 0.1849  | 0.1781 | 0.1000  | 0.00964        | 0.0100          | -3.6  | 20.0      |
| Chloromethane                         | Ave           | 0.3300  | 0.3451 | 0.1000  | 0.0105         | 0.0100          | 4.6   | 20.0      |
| Vinyl chloride                        | Ave           | 0.3283  | 0.3333 | 0.1000  | 0.0102         | 0.0100          | 1.5   | 20.0      |
| Bromomethane                          | Ave           | 0.1541  | 0.1302 | 0.0500  | 0.00845        | 0.0100          | -15.5 | 20.0      |
| Chloroethane                          | Ave           | 0.1913  | 0.1906 | 0.0500  | 0.00996        | 0.0100          | -0.4  | 20.0      |
| Trichlorofluoromethane                | Ave           | 0.2655  | 0.2654 | 0.1000  | 0.00999        | 0.0100          | -0.0  | 20.0      |
| Acrolein                              | Ave           | 0.0300  | 0.0307 |         | 0.0307         | 0.0300          | 2.4   | 20.0      |
| 1,1-Dichloroethene                    | Ave           | 0.2534  | 0.2608 | 0.1000  | 0.0103         | 0.0100          | 2.9   | 20.0      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave           | 0.1979  | 0.2135 | 0.0500  | 0.0108         | 0.0100          | 7.9   | 20.0      |
| Acetone                               | Linl          |         | 0.0652 | 0.0500  | 0.0217         | 0.0200          | 8.3   | 20.0      |
| Iodomethane                           | Ave           | 0.4023  | 0.4289 |         | 0.0107         | 0.0100          | 6.6   | 20.0      |
| Carbon disulfide                      | Ave           | 0.7720  | 0.7804 | 0.1000  | 0.0101         | 0.0100          | 1.1   | 20.0      |
| Acetonitrile                          | Ave           | 0.0179  | 0.0196 |         | 0.0329         | 0.0300          | 9.7   | 20.0      |
| Methyl acetate                        | Ave           | 0.1872  | 0.1944 | 0.1000  | 0.0104         | 0.0100          | 3.9   | 20.0      |
| Methylene Chloride                    | Linl          |         | 0.3061 | 0.1000  | 0.0103         | 0.0100          | 3.0   | 20.0      |
| 2-Methyl-2-propanol                   | Ave           | 0.0115  | 0.0118 |         | 0.206          | 0.200           | 2.9   | 20.0      |
| Acrylonitrile                         | Ave           | 0.0883  | 0.0886 |         | 0.0301         | 0.0300          | 0.4   | 20.0      |
| Methyl tert-butyl ether               | Ave           | 0.6743  | 0.6914 | 0.1000  | 0.0103         | 0.0100          | 2.5   | 20.0      |
| trans-1,2-Dichloroethene              | Ave           | 0.2746  | 0.2794 | 0.1000  | 0.0102         | 0.0100          | 1.7   | 20.0      |
| 1,1-Dichloroethane                    | Ave           | 0.4540  | 0.4781 | 0.1000  | 0.0105         | 0.0100          | 5.3   | 20.0      |
| Vinyl acetate                         | Ave           | 0.0388  | 0.0476 |         | 0.0123         | 0.0100          | 22.8* | 20.0      |
| 2-Butanone (MEK)                      | Ave           | 0.0917  | 0.0892 | 0.0500  | 0.0195         | 0.0200          | -2.7  | 20.0      |
| cis-1,2-Dichloroethene                | Ave           | 0.2910  | 0.2955 | 0.1000  | 0.0102         | 0.0100          | 1.5   | 20.0      |
| 2,2-Dichloropropane                   | Ave           | 0.2361  | 0.2368 |         | 0.0100         | 0.0100          | 0.3   | 20.0      |
| Bromochloromethane                    | Ave           | 0.1431  | 0.1424 |         | 0.00995        | 0.0100          | -0.5  | 20.0      |
| Chloroform                            | Ave           | 0.4586  | 0.4514 | 0.2000  | 0.00984        | 0.0100          | -1.6  | 20.0      |
| 1,1,1-Trichloroethane                 | Ave           | 0.3330  | 0.3403 | 0.1000  | 0.0102         | 0.0100          | 2.2   | 20.0      |
| Cyclohexane                           | Ave           | 0.4179  | 0.4047 | 0.1000  | 0.00969        | 0.0100          | -3.1  | 20.0      |
| 1,1-Dichloropropene                   | Ave           | 0.3371  | 0.3370 |         | 0.0100         | 0.0100          | -0.0  | 20.0      |
| Carbon tetrachloride                  | Ave           | 0.2901  | 0.2931 | 0.1000  | 0.0101         | 0.0100          | 1.0   | 20.0      |
| 1,2-Dichloroethane                    | Ave           | 0.3198  | 0.3310 | 0.1000  | 0.0103         | 0.0100          | 3.5   | 20.0      |
| Benzene                               | Ave           | 1.090   | 1.124  | 0.5000  | 0.0103         | 0.0100          | 3.1   | 20.0      |
| Trichloroethene                       | Ave           | 0.2783  | 0.2825 | 0.2000  | 0.0102         | 0.0100          | 1.5   | 20.0      |
| 1,2-Dichloropropane                   | Ave           | 0.2403  | 0.2490 | 0.1000  | 0.0104         | 0.0100          | 3.6   | 20.0      |
| Methylcyclohexane                     | Ave           | 0.3663  | 0.3589 | 0.1000  | 0.00980        | 0.0100          | -2.0  | 20.0      |
| Dibromomethane                        | Ave           | 0.1430  | 0.1496 |         | 0.0105         | 0.0100          | 4.6   | 20.0      |
| Bromodichloromethane                  | Ave           | 0.2973  | 0.3096 | 0.1000  | 0.0104         | 0.0100          | 4.2   | 20.0      |
| cis-1,3-Dichloropropene               | Ave           | 0.3410  | 0.3302 | 0.1500  | 0.00968        | 0.0100          | -3.2  | 20.0      |
| 4-Methyl-2-pentanone (MIBK)           | Ave           | 0.1850  | 0.1902 | 0.0500  | 0.0206         | 0.0200          | 2.8   | 20.0      |
| Toluene                               | Ave           | 1.599   | 1.576  | 0.4000  | 0.00985        | 0.0100          | -1.5  | 20.0      |

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICV 240-68811/14 Calibration Date: 12/14/2012 19:48

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1412.D Conc. Units: ng/uL Heated Purge: (Y/N) N

| ANALYTE                      | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D     | MAX<br>%D |
|------------------------------|---------------|---------|--------|---------|----------------|-----------------|--------|-----------|
| trans-1,3-Dichloropropene    | Ave           | 0.4239  | 0.4155 | 0.1000  | 0.00980        | 0.0100          | -2.0   | 20.0      |
| 1,1,2-Trichloroethane        | Ave           | 0.3101  | 0.3152 | 0.1000  | 0.0102         | 0.0100          | 1.6    | 20.0      |
| 1,3-Dichloropropane          | Ave           | 0.5387  | 0.5259 |         | 0.00976        | 0.0100          | -2.4   | 20.0      |
| Tetrachloroethene            | Ave           | 0.3273  | 0.3206 | 0.2000  | 0.00980        | 0.0100          | -2.0   | 20.0      |
| 2-Hexanone                   | Ave           | 0.1765  | 0.1811 | 0.0500  | 0.0205         | 0.0200          | 2.6    | 20.0      |
| Dibromochloromethane         | Ave           | 0.3172  | 0.3095 |         | 0.00976        | 0.0100          | -2.4   | 20.0      |
| 1,2-Dibromoethane            | Ave           | 0.3051  | 0.3064 |         | 0.0100         | 0.0100          | 0.4    | 20.0      |
| Chlorobenzene                | Ave           | 1.052   | 1.025  | 0.3000  | 0.00974        | 0.0100          | -2.6   | 20.0      |
| 1,1,1,2-Tetrachloroethane    | Ave           | 0.3595  | 0.3640 |         | 0.0101         | 0.0100          | 1.3    | 20.0      |
| Ethylbenzene                 | Ave           | 0.5372  | 0.5358 |         | 0.00997        | 0.0100          | -0.3   | 20.0      |
| m-Xylene & p-Xylene          | Ave           | 0.6797  | 0.6902 |         | 0.0203         | 0.0200          | 1.5    | 20.0      |
| o-Xylene                     | Ave           | 0.6537  | 0.7057 |         | 0.0108         | 0.0100          | 8.0    | 20.0      |
| Styrene                      | Ave           | 1.074   | 1.134  | 0.3000  | 0.0106         | 0.0100          | 5.5    | 20.0      |
| Bromoform                    | Ave           | 0.2062  | 0.2059 | 0.1000  | 0.00999        | 0.0100          | -0.1   | 20.0      |
| Isopropylbenzene             | Ave           | 1.589   | 1.653  | 0.1000  | 0.0104         | 0.0100          | 4.0    | 20.0      |
| 1,1,2,2-Tetrachloroethane    | Ave           | 0.7129  | 0.6718 | 0.3000  | 0.00942        | 0.0100          | -5.8   | 20.0      |
| Bromobenzene                 | Ave           | 0.7626  | 0.7311 |         | 0.00959        | 0.0100          | -4.1   | 20.0      |
| 1,2,3-Trichloropropane       | Ave           | 0.2318  | 0.2251 |         | 0.00971        | 0.0100          | -2.9   | 20.0      |
| N-Propylbenzene              | Ave           | 0.7378  | 0.7503 |         | 0.0102         | 0.0100          | 1.7    | 20.0      |
| 2-Chlorotoluene              | Ave           | 0.6986  | 0.6792 |         | 0.00972        | 0.0100          | -2.8   | 20.0      |
| 1,3,5-Trimethylbenzene       | Ave           | 2.126   | 2.194  |         | 0.0103         | 0.0100          | 3.2    | 20.0      |
| 4-Chlorotoluene              | Ave           | 0.7439  | 0.7280 |         | 0.00979        | 0.0100          | -2.1   | 20.0      |
| tert-Butylbenzene            | Ave           | 1.903   | 1.992  |         | 0.0105         | 0.0100          | 4.7    | 20.0      |
| 1,2,4-Trimethylbenzene       | Ave           | 2.184   | 2.270  |         | 0.0104         | 0.0100          | 3.9    | 20.0      |
| sec-Butylbenzene             | Ave           | 2.376   | 2.360  |         | 0.00993        | 0.0100          | -0.7   | 20.0      |
| 1,3-Dichlorobenzene          | Ave           | 1.409   | 1.382  | 0.6000  | 0.00981        | 0.0100          | -1.9   | 20.0      |
| 4-Isopropyltoluene           | Ave           | 2.025   | 2.108  |         | 0.0104         | 0.0100          | 4.1    | 20.0      |
| 1,4-Dichlorobenzene          | Ave           | 1.528   | 1.456  | 0.5000  | 0.00953        | 0.0100          | -4.7   | 20.0      |
| n-Butylbenzene               | Ave           | 1.617   | 1.591  |         | 0.00984        | 0.0100          | -1.6   | 20.0      |
| 1,2-Dichlorobenzene          | Ave           | 1.352   | 1.342  | 0.4000  | 0.00993        | 0.0100          | -0.7   | 20.0      |
| 1,2-Dibromo-3-Chloropropane  | Ave           | 0.1064  | 0.0956 | 0.0500  | 0.00898        | 0.0100          | -10.2  | 20.0      |
| 1,2,4-Trichlorobenzene       | Ave           | 0.6371  | 0.5644 | 0.2000  | 0.00886        | 0.0100          | -11.4  | 20.0      |
| Hexachlorobutadiene          | Ave           | 0.3169  | 0.2145 |         | 0.00677        | 0.0100          | -32.3* | 20.0      |
| Naphthalene                  | Ave           | 1.546   | 1.312  |         | 0.00848        | 0.0100          | -15.2  | 20.0      |
| 1,2,3-Trichlorobenzene       | Ave           | 0.6235  | 0.5198 |         | 0.00834        | 0.0100          | -16.6  | 20.0      |
| Dibromofluoromethane (Surr)  | Ave           | 0.2340  | 0.2359 |         | 0.0101         | 0.0100          | 0.8    | 20.0      |
| 1,2-Dichloroethane-d4 (Surr) | Ave           | 0.2732  | 0.2717 |         | 0.00994        | 0.0100          | -0.6   | 20.0      |
| Toluene-d8 (Surr)            | Ave           | 1.295   | 1.244  |         | 0.00961        | 0.0100          | -3.9   | 20.0      |
| 4-Bromofluorobenzene (Surr)  | Ave           | 0.4556  | 0.4636 |         | 0.0102         | 0.0100          | 1.8    | 20.0      |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D  
 Lims ID: ICV Client ID:  
 Inject. Date: 14-Dec-2012 19:48:30 Dil. Factor: 1.0000  
 Sample Type: ICV  
 Sample ID: 240-0015869-014  
 Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 13  
 Lims Batch ID: 68811 Lims Sample ID: 14  
 Sublist:  
 Detector: MS SCAN  
 Method: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\8260\_10.m  
 Last Update: 17-Dec-2012 09:35:40 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK031

First Level Reviewer: quayler

Date: 17-Dec-2012 08:06:50

| Compound                            | Sig | RT     | EXP<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ug/l | Flags |
|-------------------------------------|-----|--------|-----------|-----------|----|----------|--------------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.203  | 5.206     | -0.003    | 99 | 1915294  | 10.0               |       |
| * 2 Chlorobenzene-d5                | 117 | 7.878  | 7.880     | -0.002    | 82 | 1350521  | 10.0               |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.126 | 10.129    | -0.003    | 89 | 869619   | 10.0               |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.635  | 4.636     | -0.001    | 60 | 451763   | 10.1               |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.919  | 4.920     | -0.001    | 0  | 520320   | 9.94               |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.564  | 6.565     | -0.001    | 93 | 1680659  | 9.61               |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.990  | 8.991     | -0.001    | 93 | 626111   | 10.2               |       |
| 12 Dichlorodifluoromethane          | 85  | 1.559  | 1.560     | -0.001    | 98 | 341181   | 9.64               |       |
| 13 Chloromethane                    | 50  | 1.701  | 1.690     | 0.011     | 89 | 660914   | 10.5               |       |
| 14 Vinyl chloride                   | 62  | 1.795  | 1.796     | -0.001    | 97 | 638431   | 10.2               |       |
| 16 Bromomethane                     | 94  | 2.091  | 2.080     | 0.011     | 89 | 249381   | 8.45               |       |
| 17 Chloroethane                     | 64  | 2.174  | 2.163     | 0.011     | 99 | 365103   | 9.96               |       |
| 19 Trichlorofluoromethane           | 101 | 2.399  | 2.388     | 0.011     | 97 | 508316   | 10.0               |       |
| 20 Ethyl ether                      | 59  | 2.600  | 2.603     | -0.003    | 89 | 444403   | 11.0               |       |
| 21 Acrolein                         | 56  | 2.707  | 2.707     | 0.0       | 91 | 176270   | 30.7               |       |
| 23 1,1-Dichloroethene               | 96  | 2.813  | 2.814     | -0.001    | 89 | 499594   | 10.3               |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.825  | 2.826     | -0.001    | 85 | 408984   | 10.8               |       |
| 24 Acetone                          | 43  | 2.825  | 2.826     | -0.001    | 77 | 249719   | 21.7               |       |
| 26 Iodomethane                      | 142 | 2.943  | 2.944     | -0.001    | 96 | 821429   | 10.7               |       |
| 27 Carbon disulfide                 | 76  | 3.014  | 3.003     | 0.011     | 98 | 1494759  | 10.1               |       |
| 28 Acetonitrile                     | 41  | 3.050  | 3.051     | -0.001    | 93 | 112862   | 32.9               |       |
| 30 Methyl acetate                   | 43  | 3.109  | 3.098     | 0.011     | 96 | 372393   | 10.4               |       |
| 31 Methylene Chloride               | 84  | 3.192  | 3.193     | -0.001    | 86 | 586301   | 10.3               |       |
| 32 2-Methyl-2-propanol              | 59  | 3.263  | 3.264     | -0.001    | 94 | 453145   | 205.8              |       |
| 33 Acrylonitrile                    | 53  | 3.381  | 3.382     | -0.001    | 99 | 509210   | 30.1               |       |
| 35 Methyl tert-butyl ether          | 73  | 3.428  | 3.429     | -0.001    | 90 | 1324273  | 10.3               |       |
| 34 trans-1,2-Dichloroethene         | 96  | 3.428  | 3.429     | -0.001    | 68 | 535072   | 10.2               |       |
| 36 Hexane                           | 86  | 3.665  | 3.666     | -0.001    | 93 | 105404   | 10.1               |       |
| 37 1,1-Dichloroethane               | 63  | 3.772  | 3.772     | 0.0       | 96 | 915711   | 10.5               |       |

| Compound                       | Sig | RT     | EXP RT | DLT RT | Q  | Response | On-Col Amt ug/l | Flags |
|--------------------------------|-----|--------|--------|--------|----|----------|-----------------|-------|
| 38 Vinyl acetate               | 86  | 3.795  | 3.796  | -0.001 | 97 | 91172    | 12.3            |       |
| 39 Isopropyl ether             | 87  | 3.819  | 3.822  | -0.003 | 95 | 483926   | 11.1            |       |
| 42 2-Butanone (MEK)            | 43  | 4.245  | 4.246  | -0.001 | 57 | 341673   | 19.5            |       |
| 43 cis-1,2-Dichloroethene      | 96  | 4.245  | 4.246  | -0.001 | 82 | 565872   | 10.2            |       |
| 44 2,2-Dichloropropane         | 77  | 4.257  | 4.257  | 0.0    | 89 | 453477   | 10.0            |       |
| 48 Chlorobromomethane          | 128 | 4.446  | 4.447  | -0.001 | 92 | 272714   | 9.95            |       |
| 49 Tetrahydrofuran             | 42  | 4.493  | 4.494  | -0.001 | 88 | 122224   | 10.0            |       |
| 50 Chloroform                  | 83  | 4.505  | 4.494  | 0.011  | 81 | 864569   | 9.84            |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.683  | 4.672  | 0.011  | 87 | 651810   | 10.2            |       |
| 52 Cyclohexane                 | 56  | 4.742  | 4.743  | -0.001 | 88 | 775149   | 9.69            |       |
| 53 1,1-Dichloropropene         | 75  | 4.813  | 4.814  | -0.001 | 94 | 645389   | 10.0            |       |
| 54 Carbon tetrachloride        | 117 | 4.825  | 4.825  | 0.0    | 93 | 561303   | 10.1            |       |
| 55 Isobutyl alcohol            | 41  | 4.848  | 4.851  | -0.003 | 94 | 591375   | 528.7           |       |
| 56 1,2-Dichloroethane          | 62  | 4.979  | 4.979  | 0.0    | 46 | 633870   | 10.3            |       |
| 57 Benzene                     | 78  | 4.990  | 4.979  | 0.011  | 95 | 2152834  | 10.3            |       |
| 61 Trichloroethene             | 130 | 5.523  | 5.524  | -0.001 | 92 | 541034   | 10.2            |       |
| 64 1,2-Dichloropropane         | 63  | 5.700  | 5.701  | -0.001 | 87 | 476819   | 10.4            |       |
| 63 Methylcyclohexane           | 83  | 5.700  | 5.701  | -0.001 | 86 | 687408   | 9.80            |       |
| 66 Dibromomethane              | 93  | 5.807  | 5.808  | -0.001 | 85 | 286527   | 10.5            |       |
| 68 Dichlorobromomethane        | 83  | 5.925  | 5.926  | -0.001 | 94 | 593053   | 10.4            |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.174  | 6.174  | 0.0    | 93 | 232673   | 9.72            |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.316  | 6.316  | 0.0    | 91 | 632357   | 9.68            |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.446  | 6.447  | -0.001 | 96 | 728603   | 20.6            |       |
| 73 Toluene                     | 91  | 6.623  | 6.624  | -0.001 | 97 | 2128346  | 9.85            |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.801  | 6.802  | -0.001 | 89 | 561096   | 9.80            |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.966  | 6.967  | -0.001 | 84 | 425622   | 10.2            |       |
| 77 1,3-Dichloropropane         | 76  | 7.120  | 7.121  | -0.001 | 91 | 710209   | 9.76            |       |
| 78 Tetrachloroethene           | 164 | 7.132  | 7.133  | -0.001 | 94 | 432984   | 9.80            |       |
| 79 2-Hexanone                  | 43  | 7.179  | 7.192  | -0.013 | 96 | 489016   | 20.5            |       |
| 81 Chlorodibromomethane        | 129 | 7.333  | 7.334  | -0.001 | 90 | 417940   | 9.76            |       |
| 83 Ethylene Dibromide          | 107 | 7.452  | 7.452  | 0.0    | 96 | 413800   | 10.0            |       |
| 85 Chlorobenzene               | 112 | 7.913  | 7.914  | -0.001 | 97 | 1384146  | 9.74            |       |
| 86 1,1,1,2-Tetrachloroethane   | 131 | 7.972  | 7.973  | -0.001 | 89 | 491600   | 10.1            |       |
| 87 Ethylbenzene                | 106 | 8.008  | 8.008  | 0.0    | 97 | 723658   | 9.97            |       |
| 88 m-Xylene & p-Xylene         | 106 | 8.114  | 8.115  | -0.001 | 99 | 1864199  | 20.3            |       |
| 89 o-Xylene                    | 106 | 8.493  | 8.494  | -0.001 | 91 | 953109   | 10.8            |       |
| 90 Styrene                     | 104 | 8.505  | 8.505  | 0.0    | 92 | 1530890  | 10.6            |       |
| 91 Bromoform                   | 173 | 8.682  | 8.683  | -0.001 | 98 | 278064   | 9.99            |       |
| 92 Isopropylbenzene            | 105 | 8.848  | 8.849  | -0.001 | 94 | 2232723  | 10.4            |       |
| 94 Cyclohexanone               | 55  | 8.931  | 8.934  | -0.003 | 87 | 227738   | 47.5            |       |
| 95 1,1,2,2-Tetrachloroethane   | 83  | 9.108  | 9.109  | -0.001 | 93 | 584187   | 9.42            |       |
| 96 Bromobenzene                | 156 | 9.144  | 9.144  | 0.0    | 90 | 635774   | 9.59            |       |
| 97 1,2,3-Trichloropropane      | 110 | 9.155  | 9.156  | -0.001 | 72 | 195777   | 9.71            |       |
| 98 trans-1,4-Dichloro-2-butene | 53  | 9.167  | 9.168  | -0.001 | 78 | 293007   | 19.1            |       |
| 99 N-Propylbenzene             | 120 | 9.250  | 9.239  | 0.011  | 97 | 652491   | 10.2            |       |
| 100 2-Chlorotoluene            | 126 | 9.333  | 9.334  | -0.001 | 97 | 590662   | 9.72            |       |
| 101 1,3,5-Trimethylbenzene     | 105 | 9.416  | 9.417  | -0.001 | 93 | 1908167  | 10.3            |       |
| 102 4-Chlorotoluene            | 126 | 9.439  | 9.440  | -0.001 | 98 | 633118   | 9.79            |       |
| 103 tert-Butylbenzene          | 119 | 9.735  | 9.736  | -0.001 | 89 | 1732084  | 10.5            |       |
| 104 1,2,4-Trimethylbenzene     | 105 | 9.783  | 9.783  | 0.0    | 76 | 1973701  | 10.4            |       |
| 105 sec-Butylbenzene           | 105 | 9.948  | 9.949  | -0.001 | 92 | 2051953  | 9.93            |       |
| 106 1,3-Dichlorobenzene        | 146 | 10.067 | 10.067 | 0.0    | 96 | 1201441  | 9.81            |       |



| Compound                        | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|---------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 107 4-Isopropyltoluene          | 119 | 10.090 | 10.091    | -0.001    | 92  | 1833220  | 10.4               |       |
| 108 1,4-Dichlorobenzene         | 146 | 10.149 | 10.150    | -0.001    | 95  | 1266549  | 9.53               |       |
| 109 1,2,3-Trimethylbenzene      | 105 | 10.197 | 10.200    | -0.003    | 95  | 2038446  | 11.1               |       |
| 110 n-Butylbenzene              | 91  | 10.504 | 10.493    | 0.011     | 93  | 1383856  | 9.84               |       |
| 111 1,2-Dichlorobenzene         | 146 | 10.516 | 10.517    | -0.001    | 98  | 1166801  | 9.93               |       |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.285 | 11.286    | -0.001    | 80  | 83097    | 8.98               |       |
| 114 1,2,4-Trichlorobenzene      | 180 | 12.126 | 12.126    | 0.0       | 93  | 490825   | 8.86               |       |
| 115 Hexachlorobutadiene         | 225 | 12.303 | 12.304    | -0.001    | 92  | 186526   | 6.77               |       |
| 116 Naphthalene                 | 128 | 12.374 | 12.375    | -0.001    | 100 | 1140702  | 8.48               |       |
| 117 1,2,3-Trichlorobenzene      | 180 | 12.623 | 12.623    | -0.001    | 99  | 452064   | 8.34               |       |
| S 119 Trihalomethanes, Total    | 1   |        |           |           | 0   |          | 40.0               |       |
| S 120 1,2-Dichloroethene, Total | 96  |        |           |           | 0   |          | 20.3               |       |
| S 122 Xylenes, Total            | 106 |        |           |           | 0   |          | 31.1               |       |

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D

Injection Date: 14-Dec-2012 19:48:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 68811

Lims Sample ID: 14

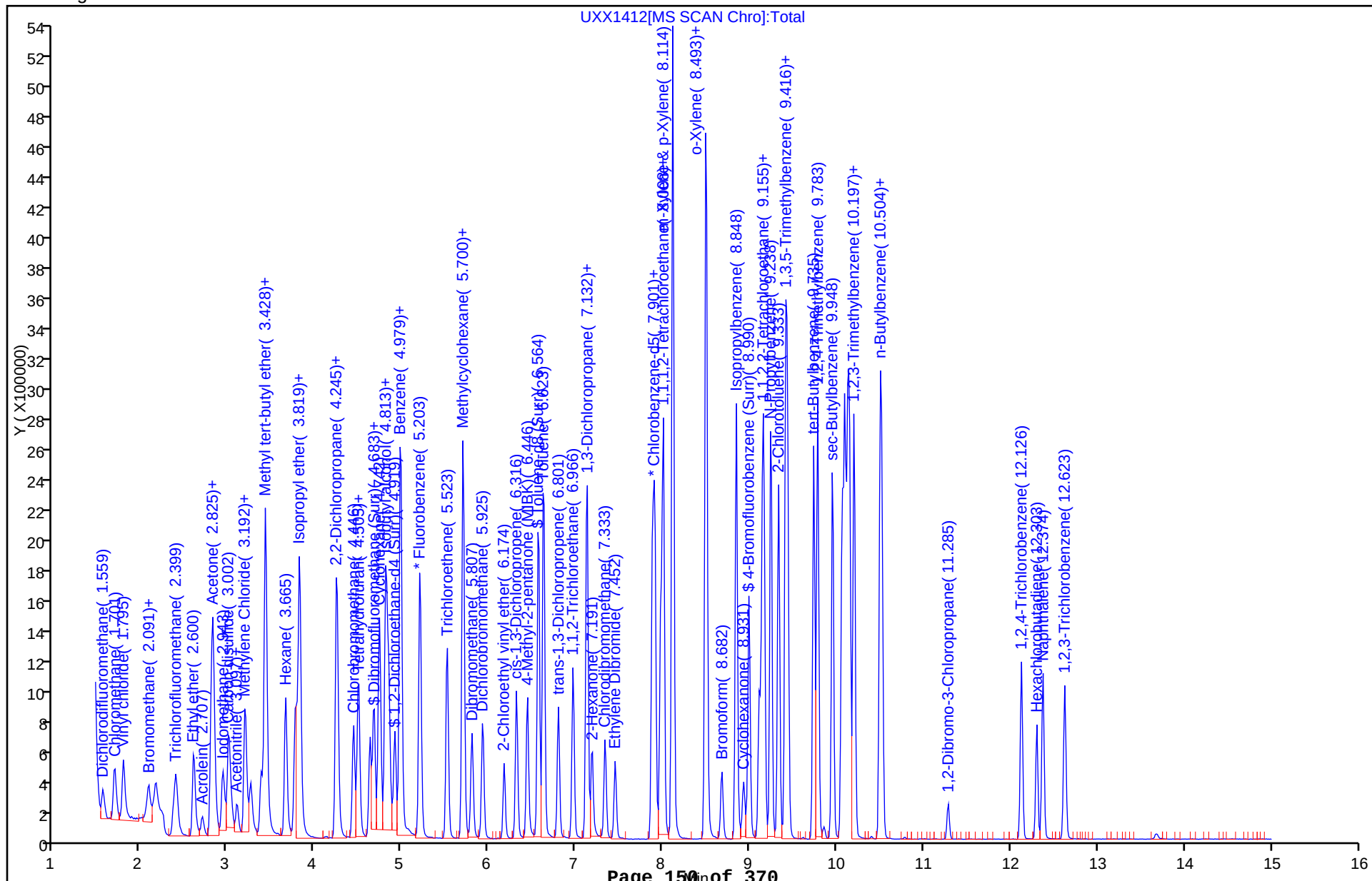
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: ICV 240-68811/14 Calibration Date: 12/14/2012 19:48  
Instrument ID: A3UX10 Calib Start Date: 12/14/2012 17:40  
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/14/2012 19:27  
Lab File ID: UXX1412.D Conc. Units: ng/uL Heated Purge: (Y/N) N

| ANALYTE          | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D  | MAX<br>%D |
|------------------|---------------|---------|--------|---------|----------------|-----------------|-----|-----------|
| Isobutyl alcohol | Ave           | 0.0083  | 0.0088 |         | 0.529          | 0.500           | 5.7 | 20.0      |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D  
 Lims ID: ICV Client ID:  
 Inject. Date: 14-Dec-2012 19:48:30 Dil. Factor: 1.0000  
 Sample Type: ICV  
 Sample ID: 240-0015869-014  
 Misc. Info.: P21214A-IC,8260LLUX10,,1904 =P21214A-IC,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 13  
 Lims Batch ID: 68811 Lims Sample ID: 14  
 Sublist:  
 Detector: MS SCAN  
 Method: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\8260\_10.m  
 Last Update: 17-Dec-2012 09:35:40 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK031

First Level Reviewer: quayler

Date: 17-Dec-2012 08:06:50

| Compound                            | Sig | RT     | EXP RT | DLT RT | Q  | Response | On-Col Amt ug/l | Flags |
|-------------------------------------|-----|--------|--------|--------|----|----------|-----------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.203  | 5.206  | -0.003 | 99 | 1915294  | 10.0            |       |
| * 2 Chlorobenzene-d5                | 117 | 7.878  | 7.880  | -0.002 | 82 | 1350521  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.126 | 10.129 | -0.003 | 89 | 869619   | 10.0            |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.635  | 4.636  | -0.001 | 60 | 451763   | 10.1            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.919  | 4.920  | -0.001 | 0  | 520320   | 9.94            |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.564  | 6.565  | -0.001 | 93 | 1680659  | 9.61            |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.990  | 8.991  | -0.001 | 93 | 626111   | 10.2            |       |
| 12 Dichlorodifluoromethane          | 85  | 1.559  | 1.560  | -0.001 | 98 | 341181   | 9.64            |       |
| 13 Chloromethane                    | 50  | 1.701  | 1.690  | 0.011  | 89 | 660914   | 10.5            |       |
| 14 Vinyl chloride                   | 62  | 1.795  | 1.796  | -0.001 | 97 | 638431   | 10.2            |       |
| 16 Bromomethane                     | 94  | 2.091  | 2.080  | 0.011  | 89 | 249381   | 8.45            |       |
| 17 Chloroethane                     | 64  | 2.174  | 2.163  | 0.011  | 99 | 365103   | 9.96            |       |
| 19 Trichlorofluoromethane           | 101 | 2.399  | 2.388  | 0.011  | 97 | 508316   | 10.0            |       |
| 20 Ethyl ether                      | 59  | 2.600  | 2.603  | -0.003 | 89 | 444403   | 11.0            |       |
| 21 Acrolein                         | 56  | 2.707  | 2.707  | 0.0    | 91 | 176270   | 30.7            |       |
| 23 1,1-Dichloroethene               | 96  | 2.813  | 2.814  | -0.001 | 89 | 499594   | 10.3            |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.825  | 2.826  | -0.001 | 85 | 408984   | 10.8            |       |
| 24 Acetone                          | 43  | 2.825  | 2.826  | -0.001 | 77 | 249719   | 21.7            |       |
| 26 Iodomethane                      | 142 | 2.943  | 2.944  | -0.001 | 96 | 821429   | 10.7            |       |
| 27 Carbon disulfide                 | 76  | 3.014  | 3.003  | 0.011  | 98 | 1494759  | 10.1            |       |
| 28 Acetonitrile                     | 41  | 3.050  | 3.051  | -0.001 | 93 | 112862   | 32.9            |       |
| 30 Methyl acetate                   | 43  | 3.109  | 3.098  | 0.011  | 96 | 372393   | 10.4            |       |
| 31 Methylene Chloride               | 84  | 3.192  | 3.193  | -0.001 | 86 | 586301   | 10.3            |       |
| 32 2-Methyl-2-propanol              | 59  | 3.263  | 3.264  | -0.001 | 94 | 453145   | 205.8           |       |
| 33 Acrylonitrile                    | 53  | 3.381  | 3.382  | -0.001 | 99 | 509210   | 30.1            |       |
| 35 Methyl tert-butyl ether          | 73  | 3.428  | 3.429  | -0.001 | 90 | 1324273  | 10.3            |       |
| 34 trans-1,2-Dichloroethene         | 96  | 3.428  | 3.429  | -0.001 | 68 | 535072   | 10.2            |       |
| 36 Hexane                           | 86  | 3.665  | 3.666  | -0.001 | 93 | 105404   | 10.1            |       |
| 37 1,1-Dichloroethane               | 63  | 3.772  | 3.772  | 0.0    | 96 | 915711   | 10.5            |       |

| Compound                       | Sig | RT     | EXP<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ug/l | Flags |
|--------------------------------|-----|--------|-----------|-----------|----|----------|--------------------|-------|
| 38 Vinyl acetate               | 86  | 3.795  | 3.796     | -0.001    | 97 | 91172    | 12.3               |       |
| 39 Isopropyl ether             | 87  | 3.819  | 3.822     | -0.003    | 95 | 483926   | 11.1               |       |
| 42 2-Butanone (MEK)            | 43  | 4.245  | 4.246     | -0.001    | 57 | 341673   | 19.5               |       |
| 43 cis-1,2-Dichloroethene      | 96  | 4.245  | 4.246     | -0.001    | 82 | 565872   | 10.2               |       |
| 44 2,2-Dichloropropane         | 77  | 4.257  | 4.257     | 0.0       | 89 | 453477   | 10.0               |       |
| 48 Chlorobromomethane          | 128 | 4.446  | 4.447     | -0.001    | 92 | 272714   | 9.95               |       |
| 49 Tetrahydrofuran             | 42  | 4.493  | 4.494     | -0.001    | 88 | 122224   | 10.0               |       |
| 50 Chloroform                  | 83  | 4.505  | 4.494     | 0.011     | 81 | 864569   | 9.84               |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.683  | 4.672     | 0.011     | 87 | 651810   | 10.2               |       |
| 52 Cyclohexane                 | 56  | 4.742  | 4.743     | -0.001    | 88 | 775149   | 9.69               |       |
| 53 1,1-Dichloropropene         | 75  | 4.813  | 4.814     | -0.001    | 94 | 645389   | 10.0               |       |
| 54 Carbon tetrachloride        | 117 | 4.825  | 4.825     | 0.0       | 93 | 561303   | 10.1               |       |
| 55 Isobutyl alcohol            | 41  | 4.848  | 4.851     | -0.003    | 94 | 591375   | 528.7              |       |
| 56 1,2-Dichloroethane          | 62  | 4.979  | 4.979     | 0.0       | 46 | 633870   | 10.3               |       |
| 57 Benzene                     | 78  | 4.990  | 4.979     | 0.011     | 95 | 2152834  | 10.3               |       |
| 61 Trichloroethene             | 130 | 5.523  | 5.524     | -0.001    | 92 | 541034   | 10.2               |       |
| 64 1,2-Dichloropropane         | 63  | 5.700  | 5.701     | -0.001    | 87 | 476819   | 10.4               |       |
| 63 Methylcyclohexane           | 83  | 5.700  | 5.701     | -0.001    | 86 | 687408   | 9.80               |       |
| 66 Dibromomethane              | 93  | 5.807  | 5.808     | -0.001    | 85 | 286527   | 10.5               |       |
| 68 Dichlorobromomethane        | 83  | 5.925  | 5.926     | -0.001    | 94 | 593053   | 10.4               |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.174  | 6.174     | 0.0       | 93 | 232673   | 9.72               |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.316  | 6.316     | 0.0       | 91 | 632357   | 9.68               |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.446  | 6.447     | -0.001    | 96 | 728603   | 20.6               |       |
| 73 Toluene                     | 91  | 6.623  | 6.624     | -0.001    | 97 | 2128346  | 9.85               |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.801  | 6.802     | -0.001    | 89 | 561096   | 9.80               |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.966  | 6.967     | -0.001    | 84 | 425622   | 10.2               |       |
| 77 1,3-Dichloropropane         | 76  | 7.120  | 7.121     | -0.001    | 91 | 710209   | 9.76               |       |
| 78 Tetrachloroethene           | 164 | 7.132  | 7.133     | -0.001    | 94 | 432984   | 9.80               |       |
| 79 2-Hexanone                  | 43  | 7.179  | 7.192     | -0.013    | 96 | 489016   | 20.5               |       |
| 81 Chlorodibromomethane        | 129 | 7.333  | 7.334     | -0.001    | 90 | 417940   | 9.76               |       |
| 83 Ethylene Dibromide          | 107 | 7.452  | 7.452     | 0.0       | 96 | 413800   | 10.0               |       |
| 85 Chlorobenzene               | 112 | 7.913  | 7.914     | -0.001    | 97 | 1384146  | 9.74               |       |
| 86 1,1,1,2-Tetrachloroethane   | 131 | 7.972  | 7.973     | -0.001    | 89 | 491600   | 10.1               |       |
| 87 Ethylbenzene                | 106 | 8.008  | 8.008     | 0.0       | 97 | 723658   | 9.97               |       |
| 88 m-Xylene & p-Xylene         | 106 | 8.114  | 8.115     | -0.001    | 99 | 1864199  | 20.3               |       |
| 89 o-Xylene                    | 106 | 8.493  | 8.494     | -0.001    | 91 | 953109   | 10.8               |       |
| 90 Styrene                     | 104 | 8.505  | 8.505     | 0.0       | 92 | 1530890  | 10.6               |       |
| 91 Bromoform                   | 173 | 8.682  | 8.683     | -0.001    | 98 | 278064   | 9.99               |       |
| 92 Isopropylbenzene            | 105 | 8.848  | 8.849     | -0.001    | 94 | 2232723  | 10.4               |       |
| 94 Cyclohexanone               | 55  | 8.931  | 8.934     | -0.003    | 87 | 227738   | 47.5               |       |
| 95 1,1,2,2-Tetrachloroethane   | 83  | 9.108  | 9.109     | -0.001    | 93 | 584187   | 9.42               |       |
| 96 Bromobenzene                | 156 | 9.144  | 9.144     | 0.0       | 90 | 635774   | 9.59               |       |
| 97 1,2,3-Trichloropropane      | 110 | 9.155  | 9.156     | -0.001    | 72 | 195777   | 9.71               |       |
| 98 trans-1,4-Dichloro-2-butene | 53  | 9.167  | 9.168     | -0.001    | 78 | 293007   | 19.1               |       |
| 99 N-Propylbenzene             | 120 | 9.250  | 9.239     | 0.011     | 97 | 652491   | 10.2               |       |
| 100 2-Chlorotoluene            | 126 | 9.333  | 9.334     | -0.001    | 97 | 590662   | 9.72               |       |
| 101 1,3,5-Trimethylbenzene     | 105 | 9.416  | 9.417     | -0.001    | 93 | 1908167  | 10.3               |       |
| 102 4-Chlorotoluene            | 126 | 9.439  | 9.440     | -0.001    | 98 | 633118   | 9.79               |       |
| 103 tert-Butylbenzene          | 119 | 9.735  | 9.736     | -0.001    | 89 | 1732084  | 10.5               |       |
| 104 1,2,4-Trimethylbenzene     | 105 | 9.783  | 9.783     | 0.0       | 76 | 1973701  | 10.4               |       |
| 105 sec-Butylbenzene           | 105 | 9.948  | 9.949     | -0.001    | 92 | 2051953  | 9.93               |       |
| 106 1,3-Dichlorobenzene        | 146 | 10.067 | 10.067    | 0.0       | 96 | 1201441  | 9.81               |       |

| Compound                        | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|---------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 107 4-Isopropyltoluene          | 119 | 10.090 | 10.091    | -0.001    | 92  | 1833220  | 10.4               |       |
| 108 1,4-Dichlorobenzene         | 146 | 10.149 | 10.150    | -0.001    | 95  | 1266549  | 9.53               |       |
| 109 1,2,3-Trimethylbenzene      | 105 | 10.197 | 10.200    | -0.003    | 95  | 2038446  | 11.1               |       |
| 110 n-Butylbenzene              | 91  | 10.504 | 10.493    | 0.011     | 93  | 1383856  | 9.84               |       |
| 111 1,2-Dichlorobenzene         | 146 | 10.516 | 10.517    | -0.001    | 98  | 1166801  | 9.93               |       |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.285 | 11.286    | -0.001    | 80  | 83097    | 8.98               |       |
| 114 1,2,4-Trichlorobenzene      | 180 | 12.126 | 12.126    | 0.0       | 93  | 490825   | 8.86               |       |
| 115 Hexachlorobutadiene         | 225 | 12.303 | 12.304    | -0.001    | 92  | 186526   | 6.77               |       |
| 116 Naphthalene                 | 128 | 12.374 | 12.375    | -0.001    | 100 | 1140702  | 8.48               |       |
| 117 1,2,3-Trichlorobenzene      | 180 | 12.623 | 12.623    | -0.001    | 99  | 452064   | 8.34               |       |
| S 119 Trihalomethanes, Total    | 1   |        |           |           | 0   |          | 40.0               |       |
| S 120 1,2-Dichloroethene, Total | 96  |        |           |           | 0   |          | 20.3               |       |
| S 122 Xylenes, Total            | 106 |        |           |           | 0   |          | 31.1               |       |

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1412.D

Injection Date: 14-Dec-2012 19:48:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 68811

Lims Sample ID: 14

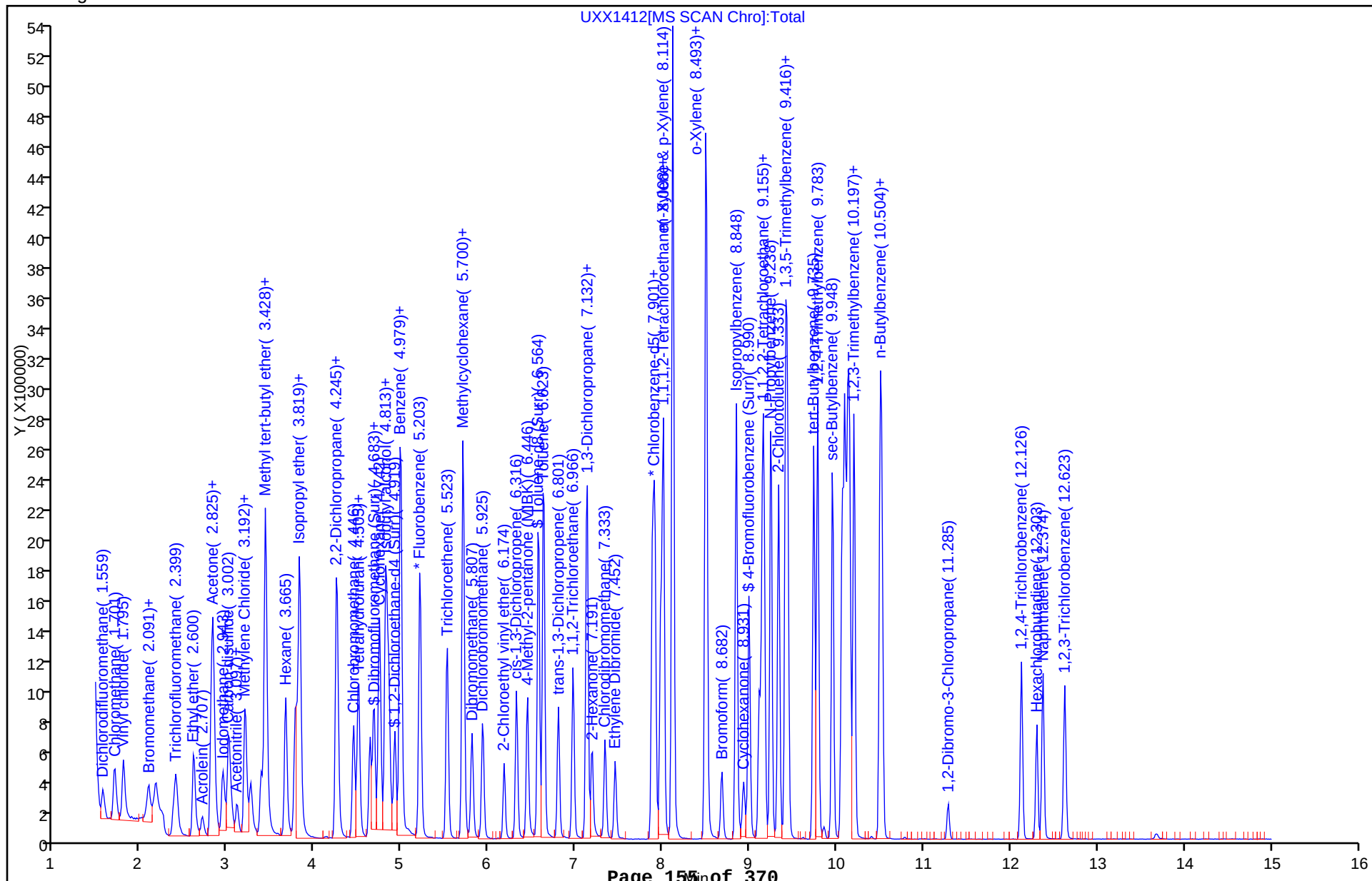
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 240-69591/2 Calibration Date: 12/20/2012 11:59

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1587.D Conc. Units: ng/uL Heated Purge: (Y/N) N

| ANALYTE                               | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|---------------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Dichlorodifluoromethane               | Ave           | 0.1849  | 0.2428 | 0.1000  | 0.0131         | 0.0100          | 31.3* | 20.0      |
| Chloromethane                         | Ave           | 0.3300  | 0.3325 | 0.1000  | 0.0101         | 0.0100          | 0.8   | 20.0      |
| Vinyl chloride                        | Ave           | 0.3283  | 0.3419 | 0.1000  | 0.0104         | 0.0100          | 4.1   | 20.0      |
| Bromomethane                          | Ave           | 0.1541  | 0.1591 | 0.0500  | 0.0103         | 0.0100          | 3.3   | 20.0      |
| Chloroethane                          | Ave           | 0.1913  | 0.2007 | 0.0500  | 0.0105         | 0.0100          | 4.9   | 20.0      |
| Trichlorofluoromethane                | Ave           | 0.2655  | 0.3008 | 0.1000  | 0.0113         | 0.0100          | 13.3  | 20.0      |
| Acrolein                              | Ave           | 0.0300  | 0.0267 |         | 0.0891         | 0.100           | -10.9 | 20.0      |
| 1,1-Dichloroethene                    | Ave           | 0.2534  | 0.2472 | 0.1000  | 0.00975        | 0.0100          | -2.5  | 20.0      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave           | 0.1979  | 0.2344 | 0.0500  | 0.0118         | 0.0100          | 18.4  | 20.0      |
| Acetone                               | Linl          |         | 0.0519 | 0.0500  | 0.0170         | 0.0200          | -14.8 | 20.0      |
| Iodomethane                           | Ave           | 0.4023  | 0.4280 |         | 0.0106         | 0.0100          | 6.4   | 20.0      |
| Carbon disulfide                      | Ave           | 0.7720  | 0.8568 | 0.1000  | 0.0111         | 0.0100          | 11.0  | 20.0      |
| Acetonitrile                          | Ave           | 0.0179  | 0.0173 |         | 0.0968         | 0.100           | -3.2  | 20.0      |
| Methyl acetate                        | Ave           | 0.1872  | 0.1703 | 0.1000  | 0.0182         | 0.0200          | -9.0  | 20.0      |
| Methylene Chloride                    | Linl          |         | 0.3102 | 0.1000  | 0.0104         | 0.0100          | 4.5   | 20.0      |
| 2-Methyl-2-propanol                   | Ave           | 0.0115  | 0.0108 |         | 0.187          | 0.200           | -6.5  | 20.0      |
| Acrylonitrile                         | Ave           | 0.0883  | 0.0806 |         | 0.0183         | 0.0200          | -8.7  | 20.0      |
| Methyl tert-butyl ether               | Ave           | 0.6743  | 0.6673 | 0.1000  | 0.00990        | 0.0100          | -1.0  | 20.0      |
| trans-1,2-Dichloroethene              | Ave           | 0.2746  | 0.2868 | 0.1000  | 0.0104         | 0.0100          | 4.4   | 20.0      |
| 1,1-Dichloroethane                    | Ave           | 0.4540  | 0.4459 | 0.1000  | 0.00982        | 0.0100          | -1.8  | 20.0      |
| Vinyl acetate                         | Ave           | 0.0388  | 0.0374 |         | 0.00964        | 0.0100          | -3.6  | 20.0      |
| 2-Butanone (MEK)                      | Ave           | 0.0917  | 0.0840 | 0.0500  | 0.0183         | 0.0200          | -8.3  | 20.0      |
| cis-1,2-Dichloroethene                | Ave           | 0.2910  | 0.2933 | 0.1000  | 0.0101         | 0.0100          | 0.8   | 20.0      |
| 2,2-Dichloropropane                   | Ave           | 0.2361  | 0.2655 |         | 0.0112         | 0.0100          | 12.4  | 20.0      |
| Bromochloromethane                    | Ave           | 0.1431  | 0.1495 |         | 0.0104         | 0.0100          | 4.4   | 20.0      |
| Chloroform                            | Ave           | 0.4586  | 0.4564 | 0.2000  | 0.00995        | 0.0100          | -0.5  | 20.0      |
| 1,1,1-Trichloroethane                 | Ave           | 0.3330  | 0.3477 | 0.1000  | 0.0104         | 0.0100          | 4.4   | 20.0      |
| Cyclohexane                           | Ave           | 0.4179  | 0.4579 | 0.1000  | 0.0110         | 0.0100          | 9.6   | 20.0      |
| 1,1-Dichloropropene                   | Ave           | 0.3371  | 0.3422 |         | 0.0102         | 0.0100          | 1.5   | 20.0      |
| Carbon tetrachloride                  | Ave           | 0.2901  | 0.2987 | 0.1000  | 0.0103         | 0.0100          | 3.0   | 20.0      |
| 1,2-Dichloroethane                    | Ave           | 0.3198  | 0.3051 | 0.1000  | 0.00954        | 0.0100          | -4.6  | 20.0      |
| Benzene                               | Ave           | 1.090   | 1.077  | 0.5000  | 0.00988        | 0.0100          | -1.2  | 20.0      |
| Trichloroethene                       | Ave           | 0.2783  | 0.2859 | 0.2000  | 0.0103         | 0.0100          | 2.8   | 20.0      |
| 1,2-Dichloropropane                   | Ave           | 0.2403  | 0.2440 | 0.1000  | 0.0102         | 0.0100          | 1.5   | 20.0      |
| Methylcyclohexane                     | Ave           | 0.3663  | 0.3987 | 0.1000  | 0.0109         | 0.0100          | 8.8   | 20.0      |
| Dibromomethane                        | Ave           | 0.1430  | 0.1424 |         | 0.00996        | 0.0100          | -0.4  | 20.0      |
| Bromodichloromethane                  | Ave           | 0.2973  | 0.2948 | 0.1000  | 0.00991        | 0.0100          | -0.9  | 20.0      |
| cis-1,3-Dichloropropene               | Ave           | 0.3410  | 0.3354 | 0.1500  | 0.00984        | 0.0100          | -1.6  | 20.0      |
| 4-Methyl-2-pentanone (MIBK)           | Ave           | 0.1850  | 0.1922 | 0.0500  | 0.0208         | 0.0200          | 3.9   | 20.0      |
| Toluene                               | Ave           | 1.599   | 1.591  | 0.4000  | 0.00995        | 0.0100          | -0.5  | 20.0      |



FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 240-69591/2 Calibration Date: 12/20/2012 11:59

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1587.D Conc. Units: ng/uL Heated Purge: (Y/N) N

| ANALYTE                      | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D     | MAX<br>%D |
|------------------------------|---------------|---------|--------|---------|----------------|-----------------|--------|-----------|
| trans-1,3-Dichloropropene    | Ave           | 0.4239  | 0.3754 | 0.1000  | 0.00885        | 0.0100          | -11.5  | 20.0      |
| 1,1,2-Trichloroethane        | Ave           | 0.3101  | 0.2971 | 0.1000  | 0.00958        | 0.0100          | -4.2   | 20.0      |
| 1,3-Dichloropropane          | Ave           | 0.5387  | 0.5091 |         | 0.00945        | 0.0100          | -5.5   | 20.0      |
| Tetrachloroethene            | Ave           | 0.3273  | 0.3397 | 0.2000  | 0.0104         | 0.0100          | 3.8    | 20.0      |
| 2-Hexanone                   | Ave           | 0.1765  | 0.1543 | 0.0500  | 0.0175         | 0.0200          | -12.6  | 20.0      |
| Dibromochloromethane         | Ave           | 0.3172  | 0.3077 |         | 0.00970        | 0.0100          | -3.0   | 20.0      |
| 1,2-Dibromoethane            | Ave           | 0.3051  | 0.2939 |         | 0.00963        | 0.0100          | -3.7   | 20.0      |
| Chlorobenzene                | Ave           | 1.052   | 1.033  | 0.3000  | 0.00982        | 0.0100          | -1.8   | 20.0      |
| 1,1,1,2-Tetrachloroethane    | Ave           | 0.3595  | 0.3639 |         | 0.0101         | 0.0100          | 1.2    | 20.0      |
| Ethylbenzene                 | Ave           | 0.5372  | 0.5531 |         | 0.0103         | 0.0100          | 3.0    | 20.0      |
| m-Xylene & p-Xylene          | Ave           | 0.6797  | 0.7177 |         | 0.0211         | 0.0200          | 5.6    | 20.0      |
| o-Xylene                     | Ave           | 0.6537  | 0.6997 |         | 0.0107         | 0.0100          | 7.0    | 20.0      |
| Styrene                      | Ave           | 1.074   | 1.123  | 0.3000  | 0.0105         | 0.0100          | 4.6    | 20.0      |
| Bromoform                    | Ave           | 0.2062  | 0.1860 | 0.1000  | 0.00902        | 0.0100          | -9.8   | 20.0      |
| Isopropylbenzene             | Ave           | 1.589   | 1.705  | 0.1000  | 0.0107         | 0.0100          | 7.3    | 20.0      |
| 1,1,2,2-Tetrachloroethane    | Ave           | 0.7129  | 0.6074 | 0.3000  | 0.00852        | 0.0100          | -14.8  | 20.0      |
| Bromobenzene                 | Ave           | 0.7626  | 0.7280 |         | 0.00955        | 0.0100          | -4.5   | 20.0      |
| 1,2,3-Trichloropropane       | Ave           | 0.2318  | 0.2044 |         | 0.00882        | 0.0100          | -11.8  | 20.0      |
| N-Propylbenzene              | Ave           | 0.7378  | 0.7345 |         | 0.00996        | 0.0100          | -0.4   | 20.0      |
| 2-Chlorotoluene              | Ave           | 0.6986  | 0.6933 |         | 0.00992        | 0.0100          | -0.8   | 20.0      |
| 1,3,5-Trimethylbenzene       | Ave           | 2.126   | 2.225  |         | 0.0105         | 0.0100          | 4.6    | 20.0      |
| 4-Chlorotoluene              | Ave           | 0.7439  | 0.7410 |         | 0.00996        | 0.0100          | -0.4   | 20.0      |
| tert-Butylbenzene            | Ave           | 1.903   | 2.023  |         | 0.0106         | 0.0100          | 6.3    | 20.0      |
| 1,2,4-Trimethylbenzene       | Ave           | 2.184   | 2.255  |         | 0.0103         | 0.0100          | 3.2    | 20.0      |
| sec-Butylbenzene             | Ave           | 2.376   | 2.431  |         | 0.0102         | 0.0100          | 2.3    | 20.0      |
| 1,3-Dichlorobenzene          | Ave           | 1.409   | 1.401  | 0.6000  | 0.00995        | 0.0100          | -0.5   | 20.0      |
| 4-Isopropyltoluene           | Ave           | 2.025   | 2.093  |         | 0.0103         | 0.0100          | 3.3    | 20.0      |
| 1,4-Dichlorobenzene          | Ave           | 1.528   | 1.493  | 0.5000  | 0.00977        | 0.0100          | -2.3   | 20.0      |
| n-Butylbenzene               | Ave           | 1.617   | 1.597  |         | 0.00988        | 0.0100          | -1.2   | 20.0      |
| 1,2-Dichlorobenzene          | Ave           | 1.352   | 1.345  | 0.4000  | 0.00995        | 0.0100          | -0.5   | 20.0      |
| 1,2-Dibromo-3-Chloropropane  | Ave           | 0.1064  | 0.0897 | 0.0500  | 0.00843        | 0.0100          | -15.7  | 20.0      |
| 1,2,4-Trichlorobenzene       | Ave           | 0.6371  | 0.5861 | 0.2000  | 0.00920        | 0.0100          | -8.0   | 20.0      |
| Hexachlorobutadiene          | Ave           | 0.3169  | 0.2329 |         | 0.00735        | 0.0100          | -26.5* | 20.0      |
| Naphthalene                  | Ave           | 1.546   | 1.257  |         | 0.00813        | 0.0100          | -18.7  | 20.0      |
| 1,2,3-Trichlorobenzene       | Ave           | 0.6235  | 0.4971 |         | 0.00797        | 0.0100          | -20.3* | 20.0      |
| Dibromofluoromethane (Surr)  | Ave           | 0.2340  | 0.2339 |         | 0.00999        | 0.0100          | -0.0   | 20.0      |
| 1,2-Dichloroethane-d4 (Surr) | Ave           | 0.2732  | 0.2361 |         | 0.00864        | 0.0100          | -13.6  | 20.0      |
| Toluene-d8 (Surr)            | Ave           | 1.295   | 1.300  |         | 0.0100         | 0.0100          | 0.4    | 20.0      |
| 4-Bromofluorobenzene (Surr)  | Ave           | 0.4556  | 0.4536 |         | 0.00996        | 0.0100          | -0.4   | 20.0      |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A3UX10\20121220-16059.b\UXX1587.D  
 Lims ID: CCVIS L4 8260 Client ID:  
 Inject. Date: 20-Dec-2012 11:59:30 Dil. Factor: 1.0000  
 Sample Type: CCVIS  
 Sample ID: 240-0016059-002  
 Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 3  
 Lims Batch ID: 69591 Lims Sample ID: 2  
 Sublist: chrom-8260\_10\*sub25  
 Detector: MS SCAN  
 Method: \\NCCChrom\ChromData\A3UX10\20121220-16059.b\8260\_10.m  
 Last Update: 21-Dec-2012 08:34:45 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK018

First Level Reviewer: quayler

Date: 20-Dec-2012 12:17:43

| Compound                                 | Sig | RT     | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|------------------------------------------|-----|--------|--------|--------|-----|----------|-----------------|-------|
| * 1 Fluorobenzene                        | 96  | 5.207  | 5.207  | 0.0    | 100 | 2109455  | 10.0            |       |
| * 2 Chlorobenzene-d5                     | 117 | 7.881  | 7.881  | 0.0    | 83  | 1518089  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4               | 152 | 10.129 | 10.129 | 0.0    | 90  | 980489   | 10.0            |       |
| \$ 5 Dibromofluoromethane (Surr)         | 113 | 4.639  | 4.639  | 0.0    | 60  | 493312   | 10.0            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)        | 65  | 4.923  | 4.923  | 0.0    | 0   | 498027   | 8.64            |       |
| \$ 7 Toluene-d8 (Surr)                   | 98  | 6.568  | 6.568  | 0.0    | 92  | 1974176  | 10.0            |       |
| \$ 8 4-Bromofluorobenzene (Surr)         | 95  | 8.993  | 8.993  | 0.0    | 96  | 688613   | 9.96            |       |
| 12 Dichlorodifluoromethane               | 85  | 1.562  | 1.562  | 0.0    | 87  | 512097   | 13.1            |       |
| 13 Chloromethane                         | 50  | 1.693  | 1.693  | 0.0    | 99  | 701479   | 10.1            |       |
| 14 Vinyl chloride                        | 62  | 1.799  | 1.799  | 0.0    | 82  | 721111   | 10.4            |       |
| 16 Bromomethane                          | 94  | 2.095  | 2.095  | 0.0    | 88  | 335674   | 10.3            |       |
| 17 Chloroethane                          | 64  | 2.178  | 2.178  | 0.0    | 99  | 423291   | 10.5            |       |
| 19 Trichlorofluoromethane                | 101 | 2.391  | 2.391  | 0.0    | 98  | 634577   | 11.3            |       |
| 21 Acrolein                              | 56  | 2.710  | 2.710  | 0.0    | 98  | 563182   | 89.1            |       |
| 23 1,1-Dichloroethene                    | 96  | 2.817  | 2.817  | 0.0    | 95  | 521480   | 9.75            |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroethane | 151 | 2.829  | 2.829  | 0.0    | 82  | 494497   | 11.8            |       |
| 24 Acetone                               | 43  | 2.829  | 2.829  | 0.0    | 54  | 218730   | 17.0            |       |
| 26 Iodomethane                           | 142 | 2.947  | 2.947  | 0.0    | 96  | 902941   | 10.6            |       |
| 27 Carbon disulfide                      | 76  | 3.006  | 3.006  | 0.0    | 99  | 1807404  | 11.1            |       |
| 28 Acetonitrile                          | 41  | 3.053  | 3.053  | 0.0    | 99  | 365734   | 96.8            |       |
| 30 Methyl acetate                        | 43  | 3.101  | 3.101  | 0.0    | 95  | 718625   | 18.2            |       |
| 31 Methylene Chloride                    | 84  | 3.195  | 3.195  | 0.0    | 84  | 654403   | 10.4            |       |
| 32 2-Methyl-2-propanol                   | 59  | 3.266  | 3.266  | 0.0    | 93  | 453432   | 187.0           |       |
| 33 Acrylonitrile                         | 53  | 3.385  | 3.385  | 0.0    | 99  | 339895   | 18.3            |       |
| 34 trans-1,2-Dichloroethene              | 96  | 3.432  | 3.432  | 0.0    | 68  | 604909   | 10.4            |       |
| 35 Methyl tert-butyl ether               | 73  | 3.432  | 3.432  | 0.0    | 90  | 1407636  | 9.90            |       |
| 36 Hexane                                | 86  | 3.669  | 3.669  | 0.0    | 91  | 125221   | 10.9            |       |
| 37 1,1-Dichloroethane                    | 63  | 3.775  | 3.775  | 0.0    | 85  | 940699   | 9.82            |       |
| 38 Vinyl acetate                         | 86  | 3.799  | 3.799  | 0.0    | 96  | 78869    | 9.64            |       |

| Compound                       | Sig | RT     | EXP<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ug/l | Flags |
|--------------------------------|-----|--------|-----------|-----------|----|----------|--------------------|-------|
| 43 cis-1,2-Dichloroethene      | 96  | 4.248  | 4.248     | 0.0       | 69 | 618678   | 10.1               |       |
| 42 2-Butanone (MEK)            | 43  | 4.248  | 4.248     | 0.0       | 92 | 354450   | 18.3               |       |
| 44 2,2-Dichloropropane         | 77  | 4.260  | 4.260     | 0.0       | 92 | 559992   | 11.2               |       |
| 48 Chlorobromomethane          | 128 | 4.450  | 4.450     | 0.0       | 88 | 315374   | 10.4               |       |
| 50 Chloroform                  | 83  | 4.497  | 4.497     | 0.0       | 81 | 962761   | 9.95               |       |
| 49 Tetrahydrofuran             | 42  | 4.497  | 4.497     | 0.0       | 90 | 115887   | 8.61               |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.686  | 4.686     | 0.0       | 88 | 733517   | 10.4               |       |
| 52 Cyclohexane                 | 56  | 4.745  | 4.745     | 0.0       | 87 | 966005   | 11.0               |       |
| 53 1,1-Dichloropropene         | 75  | 4.816  | 4.816     | 0.0       | 94 | 721776   | 10.2               |       |
| 54 Carbon tetrachloride        | 117 | 4.828  | 4.828     | 0.0       | 87 | 630131   | 10.3               |       |
| 57 Benzene                     | 78  | 4.982  | 4.982     | 0.0       | 94 | 2272298  | 9.88               |       |
| 56 1,2-Dichloroethane          | 62  | 4.982  | 4.982     | 0.0       | 45 | 643521   | 9.54               |       |
| 61 Trichloroethene             | 130 | 5.526  | 5.526     | 0.0       | 91 | 603149   | 10.3               |       |
| 64 1,2-Dichloropropane         | 63  | 5.704  | 5.704     | 0.0       | 85 | 514722   | 10.2               |       |
| 63 Methylcyclohexane           | 83  | 5.704  | 5.704     | 0.0       | 88 | 840931   | 10.9               |       |
| 66 Dibromomethane              | 93  | 5.810  | 5.810     | 0.0       | 89 | 300422   | 9.96               |       |
| 67 1,4-Dioxane                 | 88  | 5.810  | 5.810     | 0.0       | 38 | 128729   | 417.8              |       |
| 68 Dichlorobromomethane        | 83  | 5.929  | 5.929     | 0.0       | 99 | 621768   | 9.91               |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.177  | 6.177     | 0.0       | 90 | 536695   | 20.4               |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.319  | 6.319     | 0.0       | 92 | 707566   | 9.84               |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.449  | 6.449     | 0.0       | 95 | 810794   | 20.8               |       |
| 73 Toluene                     | 91  | 6.627  | 6.627     | 0.0       | 98 | 2415177  | 9.95               |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.804  | 6.804     | 0.0       | 91 | 569809   | 8.85               |       |
| 75 Ethyl methacrylate          | 69  | 6.875  | 6.875     | 0.0       | 89 | 559663   | 8.81               |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.970  | 6.970     | 0.0       | 83 | 451003   | 9.58               |       |
| 77 1,3-Dichloropropane         | 76  | 7.124  | 7.124     | 0.0       | 90 | 772777   | 9.45               |       |
| 78 Tetrachloroethene           | 164 | 7.136  | 7.136     | 0.0       | 96 | 515677   | 10.4               |       |
| 79 2-Hexanone                  | 43  | 7.183  | 7.183     | 0.0       | 94 | 468405   | 17.5               |       |
| 81 Chlorodibromomethane        | 129 | 7.337  | 7.337     | 0.0       | 89 | 467174   | 9.70               |       |
| 83 Ethylene Dibromide          | 107 | 7.455  | 7.455     | 0.0       | 96 | 446147   | 9.63               |       |
| 85 Chlorobenzene               | 112 | 7.905  | 7.905     | 0.0       | 95 | 1567986  | 9.82               |       |
| 86 1,1,1,2-Tetrachloroethane   | 131 | 7.976  | 7.976     | 0.0       | 84 | 552353   | 10.1               |       |
| 87 Ethylbenzene                | 106 | 8.011  | 8.011     | 0.0       | 97 | 839714   | 10.3               |       |
| 88 m-Xylene & p-Xylene         | 106 | 8.118  | 8.118     | 0.0       | 99 | 2179106  | 21.1               |       |
| 89 o-Xylene                    | 106 | 8.496  | 8.496     | 0.0       | 89 | 1062189  | 10.7               |       |
| 90 Styrene                     | 104 | 8.508  | 8.508     | 0.0       | 93 | 1705113  | 10.5               |       |
| 91 Bromoform                   | 173 | 8.686  | 8.686     | 0.0       | 98 | 282395   | 9.02               |       |
| 92 Isopropylbenzene            | 105 | 8.851  | 8.851     | 0.0       | 94 | 2587667  | 10.7               |       |
| 95 1,1,2,2-Tetrachloroethane   | 83  | 9.112  | 9.112     | 0.0       | 86 | 595579   | 8.52               |       |
| 96 Bromobenzene                | 156 | 9.147  | 9.147     | 0.0       | 88 | 713803   | 9.55               |       |
| 97 1,2,3-Trichloropropane      | 110 | 9.159  | 9.159     | 0.0       | 74 | 200427   | 8.82               |       |
| 98 trans-1,4-Dichloro-2-butene | 53  | 9.171  | 9.171     | 0.0       | 62 | 75094    | 4.35               |       |
| 99 N-Propylbenzene             | 120 | 9.242  | 9.242     | 0.0       | 97 | 720151   | 9.96               |       |
| 100 2-Chlorotoluene            | 126 | 9.337  | 9.337     | 0.0       | 98 | 679752   | 9.92               |       |
| 101 1,3,5-Trimethylbenzene     | 105 | 9.419  | 9.419     | 0.0       | 93 | 2181144  | 10.5               |       |
| 102 4-Chlorotoluene            | 126 | 9.443  | 9.443     | 0.0       | 98 | 726569   | 9.96               |       |
| 103 tert-Butylbenzene          | 119 | 9.739  | 9.739     | 0.0       | 88 | 1983529  | 10.6               |       |
| 104 1,2,4-Trimethylbenzene     | 105 | 9.786  | 9.786     | 0.0       | 76 | 2210905  | 10.3               |       |
| 105 sec-Butylbenzene           | 105 | 9.952  | 9.952     | 0.0       | 91 | 2384050  | 10.2               |       |
| 106 1,3-Dichlorobenzene        | 146 | 10.070 | 10.070    | 0.0       | 85 | 1373645  | 9.95               |       |
| 107 4-Isopropyltoluene         | 119 | 10.094 | 10.094    | 0.0       | 96 | 2051877  | 10.3               |       |
| 108 1,4-Dichlorobenzene        | 146 | 10.153 | 10.153    | 0.0       | 94 | 1464125  | 9.77               |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 110 n-Butylbenzene               | 91  | 10.496 | 10.496    | 0.0       | 95  | 1566170  | 9.88               |       |
| 111 1,2-Dichlorobenzene          | 146 | 10.520 | 10.520    | 0.0       | 98  | 1318304  | 9.95               |       |
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.289 | 11.289    | 0.0       | 78  | 87919    | 8.43               |       |
| 113 1,3,5-Trichlorobenzene       | 180 | 11.514 | 11.514    | 0.0       | 97  | 704718   | 9.73               |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.129 | 12.129    | 0.0       | 92  | 574622   | 9.20               |       |
| 115 Hexachlorobutadiene          | 225 | 12.307 | 12.307    | 0.0       | 92  | 228399   | 7.35               |       |
| 116 Naphthalene                  | 128 | 12.378 | 12.378    | 0.0       | 100 | 1232017  | 8.13               |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.626 | 12.626    | 0.0       | 98  | 487351   | 7.97               |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0   |          | 38.6               |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0   |          | 20.5               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0   |          | 18.7               |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0   |          | 31.8               |       |

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121220-16059.b\UXX1587.D

Injection Date: 20-Dec-2012 11:59:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 69591

Lims Sample ID: 2

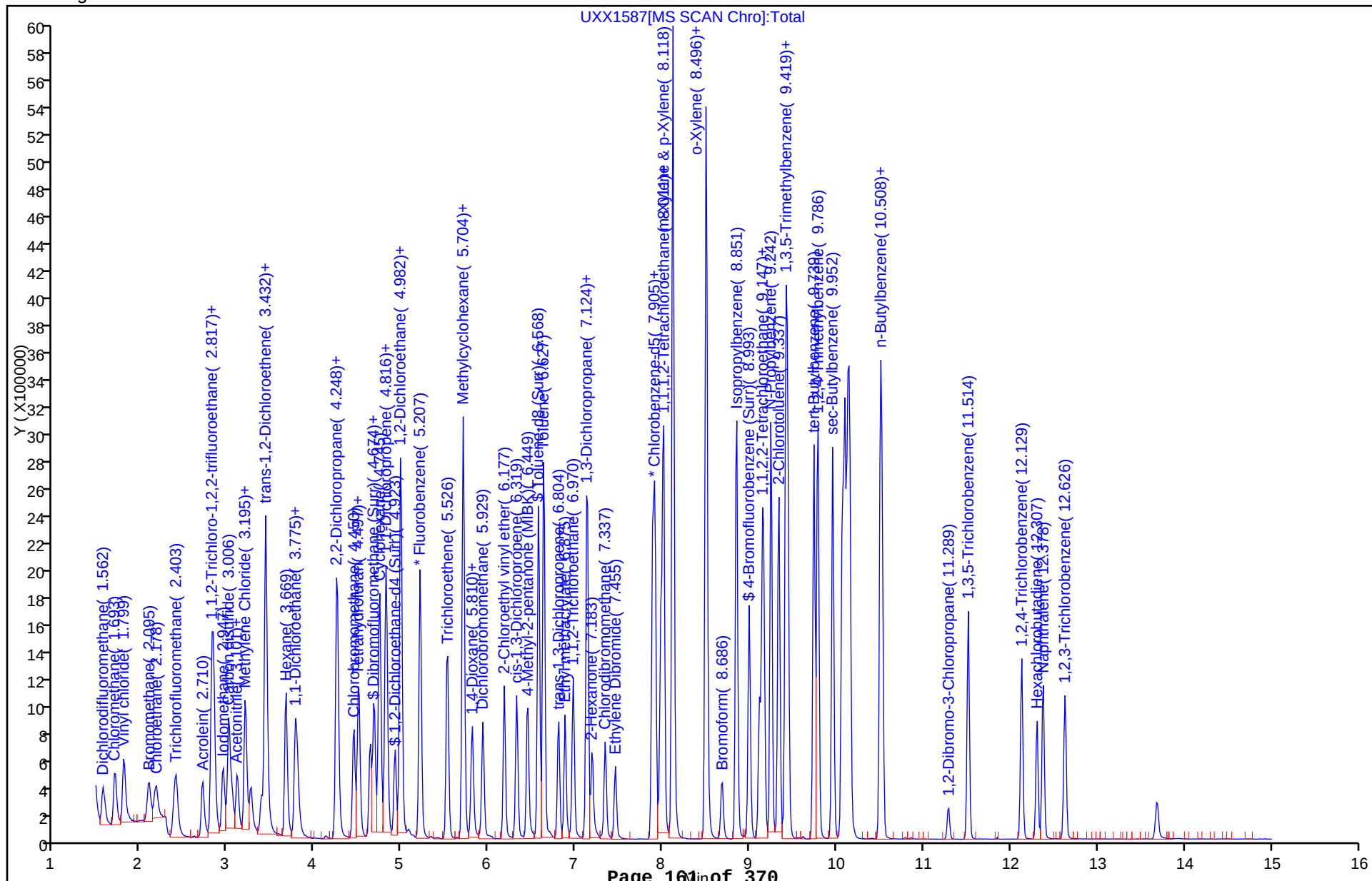
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: LODV 240-69591/19 Calibration Date: 12/20/2012 18:04  
 Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32  
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/14/2012 17:19  
 Lab File ID: UXX1603.D Conc. Units: ng/uL Heated Purge: (Y/N) N

| ANALYTE                               | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT  | SPIKE AMOUNT | %D | MAX %D |
|---------------------------------------|------------|---------|-----|---------|--------------|--------------|----|--------|
| Dichlorodifluoromethane               | Ave        | 0.1849  |     |         | 0.00039<br>1 | 0.00050<br>0 |    |        |
| Chloromethane                         | Ave        | 0.3300  |     |         | 0.00059<br>1 | 0.00050<br>0 |    |        |
| Vinyl chloride                        | Ave        | 0.3283  |     |         | 0.00056<br>2 | 0.00050<br>0 |    |        |
| Bromomethane                          | Ave        | 0.1541  |     |         | 0.00066<br>0 | 0.00050<br>0 |    |        |
| Chloroethane                          | Ave        | 0.1913  |     |         | 0.00065<br>5 | 0.00050<br>0 |    |        |
| Trichlorofluoromethane                | Ave        | 0.2655  |     |         | 0.00056<br>4 | 0.00050<br>0 |    |        |
| Acrolein                              | Ave        | 0.0300  |     |         | 0.00433      | 0.00500      |    |        |
| 1,1-Dichloroethene                    | Ave        | 0.2534  |     |         | 0.00047<br>8 | 0.00050<br>0 |    |        |
| Acetone                               | Lin1       |         |     |         | 0.00517      | 0.00500      |    |        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Ave        | 0.1979  |     |         | 0.00054<br>0 | 0.00050<br>0 |    |        |
| Iodomethane                           | Ave        | 0.4023  |     |         | 0.00056<br>1 | 0.00050<br>0 |    |        |
| Carbon disulfide                      | Ave        | 0.7720  |     |         | 0.00053<br>5 | 0.00050<br>0 |    |        |
| Acetonitrile                          | Ave        | 0.0179  |     |         | 0.00624      | 0.00500      |    |        |
| Methyl acetate                        | Ave        | 0.1872  |     |         | 0.00111      | 0.00100      |    |        |
| Methylene Chloride                    | Lin1       |         |     |         | 0.00050<br>0 | 0.00050<br>0 |    |        |
| 2-Methyl-2-propanol                   | Ave        | 0.0115  |     |         | 0.0119       | 0.0100       |    |        |
| Acrylonitrile                         | Ave        | 0.0883  |     |         | 0.00200      | 0.00100      |    |        |
| trans-1,2-Dichloroethene              | Ave        | 0.2746  |     |         | 0.00049<br>6 | 0.00050<br>0 |    |        |
| Methyl tert-butyl ether               | Ave        | 0.6743  |     |         | 0.00046<br>8 | 0.00050<br>0 |    |        |
| Hexane                                | Ave        | 0.0546  |     |         |              | 0.00050<br>0 |    |        |
| 1,1-Dichloroethane                    | Ave        | 0.4540  |     |         | 0.00049<br>0 | 0.00050<br>0 |    |        |
| Vinyl acetate                         | Ave        | 0.0388  |     |         | 0.00033<br>4 | 0.00050<br>0 |    |        |
| 2-Butanone (MEK)                      | Ave        | 0.0917  |     |         | 0.00464      | 0.00500      |    |        |
| 2,2-Dichloropropane                   | Ave        | 0.2361  |     |         | 0.00048<br>9 | 0.00050<br>0 |    |        |
| cis-1,2-Dichloroethene                | Ave        | 0.2910  |     |         | 0.00051<br>4 | 0.00050<br>0 |    |        |
| Bromochloromethane                    | Ave        | 0.1431  |     |         | 0.00052<br>8 | 0.00050<br>0 |    |        |
| Tetrahydrofuran                       | Ave        | 0.0638  |     |         |              | 0.00050<br>0 |    |        |
| Chloroform                            | Ave        | 0.4586  |     |         | 0.00049<br>8 | 0.00050<br>0 |    |        |
| 1,1,1-Trichloroethane                 | Ave        | 0.3330  |     |         | 0.00046<br>9 | 0.00050<br>0 |    |        |
| Cyclohexane                           | Ave        | 0.4179  |     |         | 0.00045<br>2 | 0.00050<br>0 |    |        |
| 1,1-Dichloropropene                   | Ave        | 0.3371  |     |         | 0.00042<br>9 | 0.00050<br>0 |    |        |

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Lab Sample ID: LODV 240-69591/19 Calibration Date: 12/20/2012 18:04

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1603.D Conc. Units: ng/uL Heated Purge: (Y/N) N

| ANALYTE                     | CURVE<br>TYPE | AVE RRF | RRF | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D | MAX<br>%D |
|-----------------------------|---------------|---------|-----|---------|----------------|-----------------|----|-----------|
| Carbon tetrachloride        | Ave           | 0.2901  |     |         | 0.00047<br>4   | 0.00050<br>0    |    |           |
| 1,2-Dichloroethane          | Ave           | 0.3198  |     |         | 0.00051<br>1   | 0.00050<br>0    |    |           |
| Benzene                     | Ave           | 1.090   |     |         | 0.00054<br>5   | 0.00050<br>0    |    |           |
| Trichloroethene             | Ave           | 0.2783  |     |         | 0.00047<br>2   | 0.00050<br>0    |    |           |
| 1,2-Dichloropropane         | Ave           | 0.2403  |     |         | 0.00050<br>9   | 0.00050<br>0    |    |           |
| Methylcyclohexane           | Ave           | 0.3663  |     |         | 0.00041<br>4   | 0.00050<br>0    |    |           |
| Dibromomethane              | Ave           | 0.1430  |     |         | 0.00050<br>5   | 0.00050<br>0    |    |           |
| 1,4-Dioxane                 | Ave           | 0.0015  |     |         |                | 0.0250          |    |           |
| Bromodichloromethane        | Ave           | 0.2973  |     |         | 0.00043<br>7   | 0.00050<br>0    |    |           |
| 2-Chloroethyl vinyl ether   | Ave           | 0.1250  |     |         |                | 0.00100         |    |           |
| cis-1,3-Dichloropropene     | Ave           | 0.3410  |     |         | 0.00035<br>7   | 0.00050<br>0    |    |           |
| 4-Methyl-2-pentanone (MIBK) | Ave           | 0.1850  |     |         | 0.00412        | 0.00500         |    |           |
| Toluene                     | Ave           | 1.599   |     |         | 0.00048<br>8   | 0.00050<br>0    |    |           |
| trans-1,3-Dichloropropene   | Ave           | 0.4239  |     |         | 0.00034<br>6   | 0.00050<br>0    |    |           |
| Ethyl methacrylate          | Lin1          |         |     |         |                | 0.00050<br>0    |    |           |
| 1,1,2-Trichloroethane       | Ave           | 0.3101  |     |         | 0.00048<br>3   | 0.00050<br>0    |    |           |
| 1,3-Dichloropropane         | Ave           | 0.5387  |     |         | 0.00046<br>3   | 0.00050<br>0    |    |           |
| Tetrachloroethene           | Ave           | 0.3273  |     |         | 0.00049<br>9   | 0.00050<br>0    |    |           |
| 2-Hexanone                  | Ave           | 0.1765  |     |         | 0.00392        | 0.00500         |    |           |
| Dibromochloromethane        | Ave           | 0.3172  |     |         | 0.00041<br>0   | 0.00050<br>0    |    |           |
| 1,2-Dibromoethane           | Ave           | 0.3051  |     |         | 0.00043<br>9   | 0.00050<br>0    |    |           |
| Chlorobenzene               | Ave           | 1.052   |     |         | 0.00046<br>7   | 0.00050<br>0    |    |           |
| 1,1,1,2-Tetrachloroethane   | Ave           | 0.3595  |     |         | 0.00037<br>3   | 0.00050<br>0    |    |           |
| Ethylbenzene                | Ave           | 0.5372  |     |         | 0.00039<br>5   | 0.00050<br>0    |    |           |
| m-Xylene & p-Xylene         | Ave           | 0.6797  |     |         | 0.00075<br>8   | 0.00100         |    |           |
| o-Xylene                    | Ave           | 0.6537  |     |         | 0.00039<br>2   | 0.00050<br>0    |    |           |
| Styrene                     | Ave           | 1.074   |     |         | 0.00035<br>2   | 0.00050<br>0    |    |           |
| Bromoform                   | Ave           | 0.2062  |     |         | 0.00050<br>0   | 0.00050<br>0    |    |           |
| Isopropylbenzene            | Ave           | 1.589   |     |         | 0.00036<br>1   | 0.00050<br>0    |    |           |
| 1,1,2,2-Tetrachloroethane   | Ave           | 0.7129  |     |         | 0.00046<br>0   | 0.00050<br>0    |    |           |

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Lab Sample ID: LODV 240-69591/19 Calibration Date: 12/20/2012 18:04

Instrument ID: A3UX10 Calib Start Date: 12/14/2012 15:32

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/14/2012 17:19

Lab File ID: UXX1603.D Conc. Units: ng/uL Heated Purge: (Y/N) N

| ANALYTE                      | CURVE<br>TYPE | AVE RRF | RRF | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D  | MAX<br>%D |
|------------------------------|---------------|---------|-----|---------|----------------|-----------------|-----|-----------|
| Bromobenzene                 | Ave           | 0.7626  |     |         | 0.00047<br>5   | 0.00050<br>0    |     |           |
| 1,2,3-Trichloropropane       | Ave           | 0.2318  |     |         | 0.00047<br>9   | 0.00050<br>0    |     |           |
| trans-1,4-Dichloro-2-butene  | Ave           | 0.1763  |     |         |                | 0.00050<br>0    |     |           |
| N-Propylbenzene              | Ave           | 0.7378  |     |         | 0.00036<br>2   | 0.00050<br>0    |     |           |
| 2-Chlorotoluene              | Ave           | 0.6986  |     |         | 0.00040<br>7   | 0.00050<br>0    |     |           |
| 1,3,5-Trimethylbenzene       | Ave           | 2.126   |     |         | 0.00034<br>1   | 0.00050<br>0    |     |           |
| 4-Chlorotoluene              | Ave           | 0.7439  |     |         | 0.00039<br>5   | 0.00050<br>0    |     |           |
| tert-Butylbenzene            | Ave           | 1.903   |     |         | 0.00038<br>9   | 0.00050<br>0    |     |           |
| 1,2,4-Trimethylbenzene       | Ave           | 2.184   |     |         | 0.00035<br>5   | 0.00050<br>0    |     |           |
| sec-Butylbenzene             | Ave           | 2.376   |     |         | 0.00036<br>5   | 0.00050<br>0    |     |           |
| 1,3-Dichlorobenzene          | Ave           | 1.409   |     |         | 0.00048<br>7   | 0.00050<br>0    |     |           |
| 4-Isopropyltoluene           | Ave           | 2.025   |     |         | 0.00033<br>6   | 0.00050<br>0    |     |           |
| 1,4-Dichlorobenzene          | Ave           | 1.528   |     |         | 0.00047<br>4   | 0.00050<br>0    |     |           |
| n-Butylbenzene               | Ave           | 1.617   |     |         | 0.00037<br>2   | 0.00050<br>0    |     |           |
| 1,2-Dichlorobenzene          | Ave           | 1.352   |     |         | 0.00048<br>9   | 0.00050<br>0    |     |           |
| 1,2-Dibromo-3-Chloropropane  | Ave           | 0.1064  |     |         | 0.00050<br>0   | 0.00050<br>0    |     |           |
| 1,3,5-Trichlorobenzene       | Ave           | 0.7387  |     |         |                | 0.00050<br>0    |     |           |
| 1,2,4-Trichlorobenzene       | Ave           | 0.6371  |     |         | 0.00054<br>2   | 0.00050<br>0    |     |           |
| Hexachlorobutadiene          | Ave           | 0.3169  |     |         | 0.00057<br>7   | 0.00050<br>0    |     |           |
| Naphthalene                  | Ave           | 1.546   |     |         | 0.00040<br>6   | 0.00050<br>0    |     |           |
| 1,2,3-Trichlorobenzene       | Ave           | 0.6235  |     |         | 0.00054<br>9   | 0.00050<br>0    |     |           |
| Dibromofluoromethane (Surr)  | Ave           | 0.2340  |     |         | 0.00997        | 0.0100          | 100 | 85-115    |
| 1,2-Dichloroethane-d4 (Surr) | Ave           | 0.2732  |     |         | 0.00924        | 0.0100          | 92  | 70-120    |
| Toluene-d8 (Surr)            | Ave           | 1.295   |     |         | 0.00950        | 0.0100          | 95  | 85-120    |
| 4-Bromofluorobenzene (Surr)  | Ave           | 0.4556  |     |         | 0.00962        | 0.0100          | 96  | 75-120    |



TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1603.D  
 Lims ID: LODV Client ID:  
 Inject. Date: 20-Dec-2012 18:04:30 Dil. Factor: 1.0000  
 Sample Type: LODV  
 Sample ID: 240-0016059-019  
 Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 19  
 Lims Batch ID: 69591 Lims Sample ID: 19  
 Detector: MS SCAN  
 Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260\_10.m  
 Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK018

| Compound                            | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|-------------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.216  | 5.204     | 0.012     | 100 | 2011895  | 10.0               |       |
| * 2 Chlorobenzene-d5                | 117 | 7.879  | 7.879     | 0.0       | 82  | 1436313  | 10.0               |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.127 | 10.127    | 0.0       | 93  | 896548   | 10.0               |       |
| \$ 4 BFB                            | 95  | 4.447  | 3.747     | 0.700     | 0   | 4266     | 0                  |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.636  | 4.639     | -0.003    | 59  | 469421   | 9.97               |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.920  | 4.923     | -0.003    | 0   | 507952   | 9.24               |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.577  | 6.568     | 0.009     | 92  | 1767486  | 9.50               |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.991  | 8.993     | -0.002    | 95  | 629709   | 9.62               |       |
| 143 1,3-Diethylbenzene TIC          | 1   |        | 0.000     |           |     |          |                    |       |
| 9 Benzyl chloride                   | 126 |        | 0.000     |           |     |          |                    |       |
| 10 C6-C12                           | 1   |        | 0.000     |           |     |          |                    |       |
| 11 C6-C10                           | 1   |        | 0.000     |           |     |          |                    |       |
| 12 Dichlorodifluoromethane          | 85  | 1.560  | 1.562     | -0.002    | 57  | 14539    | 0.3909             |       |
| 13 Chloromethane                    | 50  | 1.702  | 1.693     | 0.009     | 96  | 39244    | 0.5910             |       |
| 14 Vinyl chloride                   | 62  | 1.797  | 1.799     | -0.002    | 58  | 37108    | 0.5619             |       |
| 15 Chlorodifluoromethane TIC        | 1   |        | 1.900     |           |     |          |                    |       |
| 16 Bromomethane                     | 94  | 2.092  | 2.095     | -0.003    | 74  | 20450    | 0.6596             |       |
| 17 Chloroethane                     | 64  | 2.187  | 2.178     | 0.009     | 65  | 25217    | 0.6552             |       |
| 18 Dichlorofluoromethane            | 67  |        | 2.329     |           |     |          |                    |       |
| 19 Trichlorofluoromethane           | 101 | 2.400  | 2.391     | 0.009     | 63  | 30121    | 0.5638             |       |
| 20 Ethyl ether                      | 59  |        | 2.613     |           |     |          |                    | 9     |
| 21 Acrolein                         | 56  | 2.708  | 2.710     | -0.002    | 69  | 26106    | 4.33               |       |
| 23 1,1-Dichloroethene               | 96  | 2.826  | 2.817     | 0.009     | 63  | 24364    | 0.4778             |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.838  | 2.829     | 0.009     | 47  | 21482    | 0.5395             |       |
| 24 Acetone                          | 43  | 2.826  | 2.829     | -0.003    | 97  | 70783    | 5.17               |       |
| 22 Methylal                         | 45  |        | 2.851     |           |     |          |                    |       |
| 26 Iodomethane                      | 142 | 2.944  | 2.947     | -0.003    | 89  | 45395    | 0.5609             |       |
| 27 Carbon disulfide                 | 76  | 3.015  | 3.006     | 0.009     | 96  | 83093    | 0.5350             |       |
| 28 Acetonitrile                     | 41  | 3.063  | 3.053     | 0.010     | 85  | 22469    | 6.24               |       |
| 30 Methyl acetate                   | 43  | 3.110  | 3.101     | 0.009     | 85  | 41622    | 1.11               |       |
| 29 3-Chloro-1-propene               | 76  |        | 3.110     |           |     |          |                    |       |
| 31 Methylene Chloride               | 84  | 3.205  | 3.195     | 0.010     | 78  | 63200    | 0.2398             |       |

| Compound                       | Sig | RT    | EXP RT | DLT RT | Q  | Response | On-Col Amt ug/l | Flags |
|--------------------------------|-----|-------|--------|--------|----|----------|-----------------|-------|
| 32 2-Methyl-2-propanol         | 59  | 3.264 | 3.266  | -0.002 | 94 | 27443    | 11.9            |       |
| 33 Acrylonitrile               | 53  | 3.394 | 3.385  | 0.009  | 88 | 18375    | 1.03            |       |
| 34 trans-1,2-Dichloroethene    | 96  | 3.430 | 3.432  | -0.002 | 59 | 27392    | 0.4958          |       |
| 35 Methyl tert-butyl ether     | 73  | 3.441 | 3.432  | 0.009  | 84 | 63533    | 0.4683          |       |
| 36 Hexane                      | 86  | 3.678 | 3.669  | 0.009  | 86 | 4553     | 0.4142          |       |
| 37 1,1-Dichloroethane          | 63  | 3.773 | 3.775  | -0.002 | 69 | 44738    | 0.4898          |       |
| 38 Vinyl acetate               | 86  | 3.796 | 3.799  | -0.003 | 92 | 2609     | 0.3344          |       |
| 39 Isopropyl ether             | 87  |       | 3.832  |        |    |          |                 |       |
| 40 2-Chloro-1,3-butadiene      | 53  |       | 3.856  |        |    |          |                 |       |
| 41 Tert-butyl ethyl ether      | 59  |       | 4.128  |        |    |          |                 | 9     |
| 43 cis-1,2-Dichloroethene      | 96  | 4.258 | 4.248  | 0.010  | 58 | 30102    | 0.5141          |       |
| 42 2-Butanone (MEK)            | 43  | 4.246 | 4.248  | -0.002 | 97 | 85528    | 4.64            |       |
| 44 2,2-Dichloropropane         | 77  | 4.258 | 4.260  | -0.002 | 51 | 23229    | 0.4890          |       |
| 45 Propionitrile               | 54  |       | 4.293  |        |    |          |                 |       |
| 46 Ethyl acetate               | 43  |       | 4.293  |        |    |          |                 | 9     |
| 47 Methacrylonitrile           | 41  |       | 4.424  |        |    |          |                 | 9     |
| 48 Chlorobromomethane          | 128 | 4.447 | 4.450  | -0.003 | 63 | 15220    | 0.5285          |       |
| 50 Chloroform                  | 83  | 4.506 | 4.497  | 0.009  | 75 | 45980    | 0.4983          |       |
| 49 Tetrahydrofuran             | 42  | 4.494 | 4.497  | -0.003 | 23 | 5201     | 0.4050          |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.684 | 4.686  | -0.002 | 77 | 31413    | 0.4689          |       |
| 52 Cyclohexane                 | 56  | 4.743 | 4.745  | -0.002 | 85 | 38022    | 0.4523          |       |
| 53 1,1-Dichloropropene         | 75  | 4.814 | 4.816  | -0.002 | 85 | 29116    | 0.4294          |       |
| 54 Carbon tetrachloride        | 117 | 4.826 | 4.828  | -0.002 | 72 | 27655    | 0.4739          |       |
| 55 Isobutyl alcohol            | 41  |       | 4.850  |        |    |          |                 | 9     |
| 57 Benzene                     | 78  | 4.991 | 4.982  | 0.009  | 90 | 119587   | 0.5453          |       |
| 56 1,2-Dichloroethane          | 62  | 4.980 | 4.982  | -0.002 | 37 | 32864    | 0.5108          |       |
| 58 Tert-amyl methyl ether      | 73  |       | 5.062  |        |    |          |                 | 9     |
| 59 n-Heptane                   | 100 |       | 5.204  |        |    |          |                 |       |
| 60 n-Butanol                   | 56  |       | 5.406  |        |    |          |                 |       |
| 61 Trichloroethene             | 130 | 5.524 | 5.526  | -0.002 | 72 | 26403    | 0.4716          |       |
| 62 Ethyl acrylate              | 55  |       | 5.605  |        |    |          |                 | 9     |
| 64 1,2-Dichloropropane         | 63  | 5.701 | 5.704  | -0.003 | 67 | 24629    | 0.5094          |       |
| 63 Methylcyclohexane           | 83  | 5.701 | 5.704  | -0.003 | 82 | 30487    | 0.4136          |       |
| 65 Methyl methacrylate         | 41  |       | 5.784  |        |    |          |                 | 9     |
| 66 Dibromomethane              | 93  | 5.808 | 5.810  | -0.002 | 82 | 14539    | 0.5055          |       |
| 67 1,4-Dioxane                 | 88  | 5.820 | 5.810  | 0.010  | 1  | 4539     | 15.4            |       |
| 68 Dichlorobromomethane        | 83  | 5.926 | 5.929  | -0.003 | 74 | 26138    | 0.4370          |       |
| 69 2-Nitropropane              | 41  |       | 6.116  |        |    |          |                 |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.175 | 6.177  | -0.002 | 69 | 18706    | 0.7440          |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.317 | 6.319  | -0.002 | 65 | 24513    | 0.3573          |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.447 | 6.449  | -0.002 | 94 | 153245   | 4.12            |       |
| 73 Toluene                     | 91  | 6.636 | 6.627  | 0.009  | 93 | 112154   | 0.4882          |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.802 | 6.804  | -0.002 | 69 | 21095    | 0.3465          |       |
| 75 Ethyl methacrylate          | 69  | 6.873 | 6.875  | -0.002 | 60 | 19324    | 0.7987          |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.968 | 6.970  | -0.002 | 81 | 21522    | 0.4831          |       |
| 77 1,3-Dichloropropane         | 76  | 7.133 | 7.124  | 0.009  | 68 | 35852    | 0.4634          |       |
| 78 Tetrachloroethene           | 164 | 7.133 | 7.136  | -0.003 | 86 | 23470    | 0.4993          |       |
| 79 2-Hexanone                  | 43  | 7.192 | 7.183  | 0.009  | 95 | 99283    | 3.92            |       |
| 80 n-Butyl acetate             | 56  |       | 7.299  |        |    |          |                 | 9     |
| 81 Chlorodibromomethane        | 129 | 7.334 | 7.337  | -0.003 | 61 | 18695    | 0.4104          |       |
| 82 Tetrahydrothiophene         | 60  |       | 7.346  |        |    |          |                 |       |
| 83 Ethylene Dibromide          | 107 | 7.453 | 7.455  | -0.002 | 67 | 19229    | 0.4388          |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|----|----------|--------------------|-------|
| 84 1-Chlorohexane                | 91  |        | 7.779     |           |    |          |                    |       |
| 85 Chlorobenzene                 | 112 | 7.914  | 7.905     | 0.009     | 72 | 70617    | 0.4675             |       |
| 86 1,1,1,2-Tetrachloroethane     | 131 | 7.973  | 7.976     | -0.003    | 67 | 19273    | 0.3733             |       |
| 87 Ethylbenzene                  | 106 | 8.009  | 8.011     | -0.002    | 92 | 30504    | 0.3953             |       |
| 88 m-Xylene & p-Xylene           | 106 | 8.115  | 8.118     | -0.003    | 98 | 73978    | 0.7577             |       |
| 89 o-Xylene                      | 106 | 8.494  | 8.496     | -0.002    | 84 | 36789    | 0.3918             |       |
| 90 Styrene                       | 104 | 8.506  | 8.508     | -0.002    | 91 | 54302    | 0.3519             |       |
| 91 Bromoform                     | 173 | 8.671  | 8.686     | -0.015    | 63 | 11195    | 0.3781             |       |
| 92 Isopropylbenzene              | 105 | 8.849  | 8.851     | -0.002    | 87 | 82361    | 0.3608             |       |
| 93 1,4-Dichlorobutane            | 55  |        | 8.931     |           |    |          |                    | 9     |
| 94 Cyclohexanone                 | 55  |        | 8.932     |           |    |          |                    | 9     |
| 95 1,1,2,2-Tetrachloroethane     | 83  | 9.109  | 9.112     | -0.003    | 61 | 29404    | 0.4601             |       |
| 96 Bromobenzene                  | 156 | 9.145  | 9.147     | -0.002    | 85 | 32487    | 0.4752             |       |
| 97 1,2,3-Trichloropropane        | 110 | 9.157  | 9.159     | -0.002    | 50 | 9952     | 0.4789             |       |
| 98 trans-1,4-Dichloro-2-butene   | 53  | 9.168  | 9.171     | -0.003    | 36 | 4475     | 0.2832             |       |
| 99 N-Propylbenzene               | 120 | 9.251  | 9.242     | 0.009     | 90 | 23931    | 0.3618             |       |
| 100 2-Chlorotoluene              | 126 | 9.334  | 9.337     | -0.003    | 91 | 25498    | 0.4071             |       |
| 101 1,3,5-Trimethylbenzene       | 105 | 9.417  | 9.419     | -0.002    | 88 | 65054    | 0.3413             |       |
| 102 4-Chlorotoluene              | 126 | 9.441  | 9.443     | -0.002    | 89 | 26321    | 0.3947             |       |
| 103 tert-Butylbenzene            | 119 | 9.736  | 9.739     | -0.003    | 81 | 66309    | 0.3886             |       |
| 104 1,2,4-Trimethylbenzene       | 105 | 9.784  | 9.786     | -0.002    | 56 | 69459    | 0.3547             |       |
| 105 sec-Butylbenzene             | 105 | 9.961  | 9.952     | 0.009     | 75 | 77710    | 0.3648             |       |
| 106 1,3-Dichlorobenzene          | 146 | 10.068 | 10.070    | -0.002    | 86 | 61453    | 0.4866             |       |
| 107 4-Isopropyltoluene           | 119 | 10.091 | 10.094    | -0.003    | 83 | 60951    | 0.3357             |       |
| 108 1,4-Dichlorobenzene          | 146 | 10.151 | 10.153    | -0.002    | 75 | 64873    | 0.4736             |       |
| 109 1,2,3-Trimethylbenzene       | 105 |        | 10.198    |           |    |          |                    | 9     |
| 110 n-Butylbenzene               | 91  | 10.506 | 10.496    | 0.010     | 88 | 54004    | 0.3725             |       |
| 111 1,2-Dichlorobenzene          | 146 | 10.517 | 10.520    | -0.003    | 92 | 59231    | 0.4888             |       |
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.287 | 11.289    | -0.003    | 10 | 4247     | 0.4451             |       |
| 113 1,3,5-Trichlorobenzene       | 180 | 11.511 | 11.514    | -0.003    | 86 | 33501    | 0.5059             |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.127 | 12.129    | -0.002    | 63 | 30953    | 0.5419             |       |
| 115 Hexachlorobutadiene          | 225 | 12.304 | 12.307    | -0.003    | 64 | 16380    | 0.5766             |       |
| 116 Naphthalene                  | 128 | 12.375 | 12.378    | -0.003    | 94 | 56348    | 0.4064             |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.624 | 12.626    | -0.002    | 77 | 30695    | 0.5491             |       |
| 118 2-Methylnaphthalene          | 142 |        | 13.689    |           |    |          |                    |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0  |          | 1.72               |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0  |          | 1.01               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0  |          | 0.7038             |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0  |          | 1.15               |       |
| T 123 Butyl Methacrylate TIC     | 1   |        | 9.400     |           |    |          |                    | 1     |
| T 124 Hexachloroethane TIC       | 1   |        | 10.700    |           |    |          |                    | 1     |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

9 - Failed A Reference Spectral Test

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121220-16059.b\UXX1603.D

Injection Date: 20-Dec-2012 18:04:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 69591

Lims Sample ID: 19

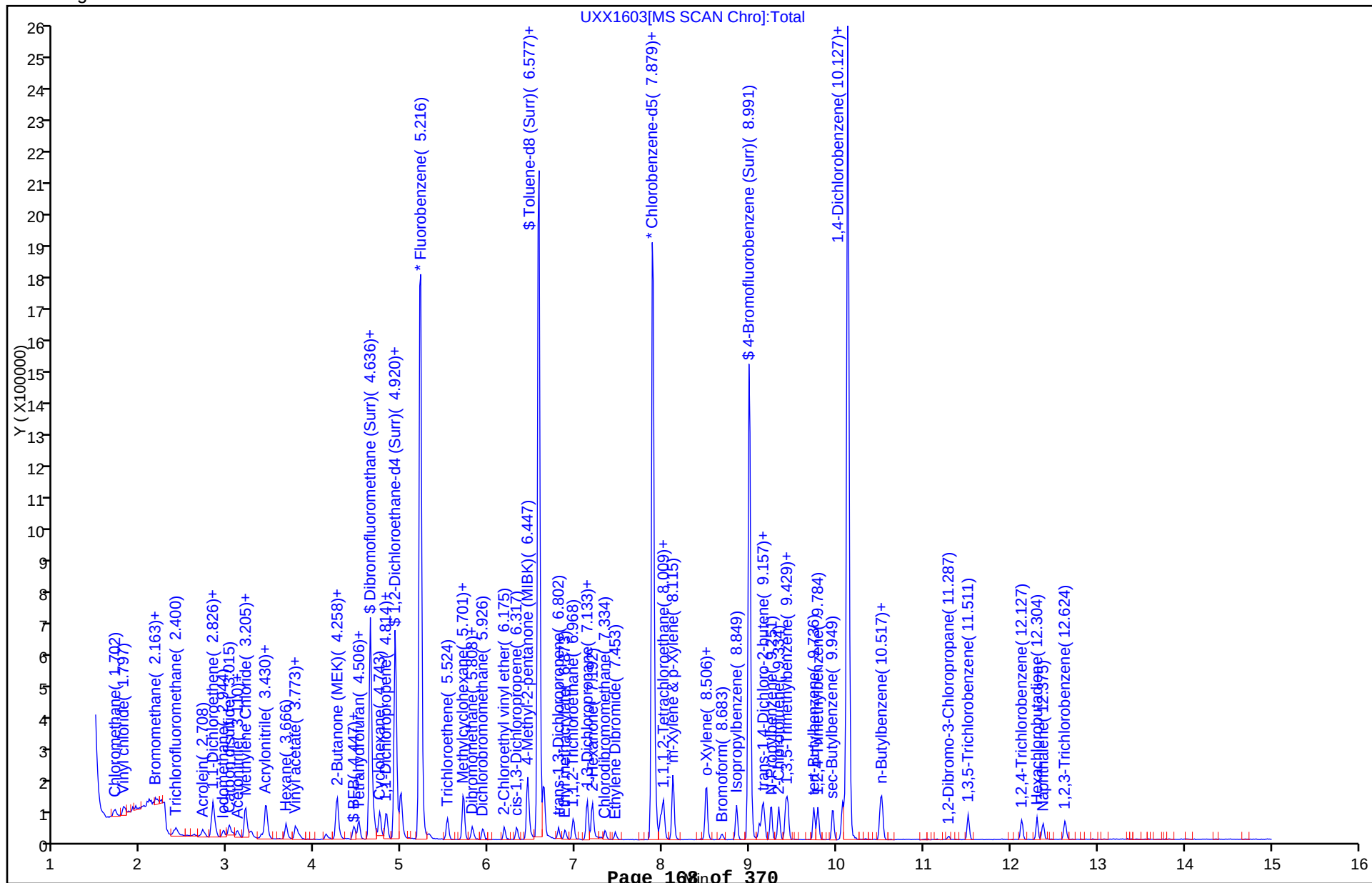
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\BFB5078.D  
Lims ID: BFB Client ID:  
Inject. Date: 14-Dec-2012 15:04:30 Dil. Factor: 1.0000  
Sample Type: BFB  
Sample ID:  
Misc. Info.: P21214A-IC,BFBUX10,,1904 =P21214A-IC,BFBUX10,,1904  
Operator: 1904 Instrument ID: A3UX10  
Purge Vol: 5.000 mL ALS Bottle#: 7  
Lims Batch ID: 68811 Lims Sample ID: 1  
Detector: MS SCAN  
  
Method: \\NCChrom\ChromData\A3UX10\20121214-15869.b\8260\_10.m  
Last Update: 17-Dec-2012 09:35:31 Calib Date: 14-Dec-2012 19:27:30  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
Limit Group: MSV 8260DOD ICAL  
Integrator: RTE ID Type: Deconvolution ID  
Column Type: DB-624 Column Dia: 0.18 mm  
Process Host: XAWRK031

First Level Reviewer: quayler

Date: 14-Dec-2012 16:54:04

| Compound | Sig | RT | EXP<br>RT | DLT<br>RT | Q | Response | On-Col Amt<br>ug/l | Flags |
|----------|-----|----|-----------|-----------|---|----------|--------------------|-------|
|----------|-----|----|-----------|-----------|---|----------|--------------------|-------|

\$ 4 BFB

95 3.756 3.756 0.0 0 480518 0

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121214-15869.b\BFB5078.D

Injection Date: 14-Dec-2012 15:04:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 68811

Lims Sample ID: 1

Operator ID: 1904

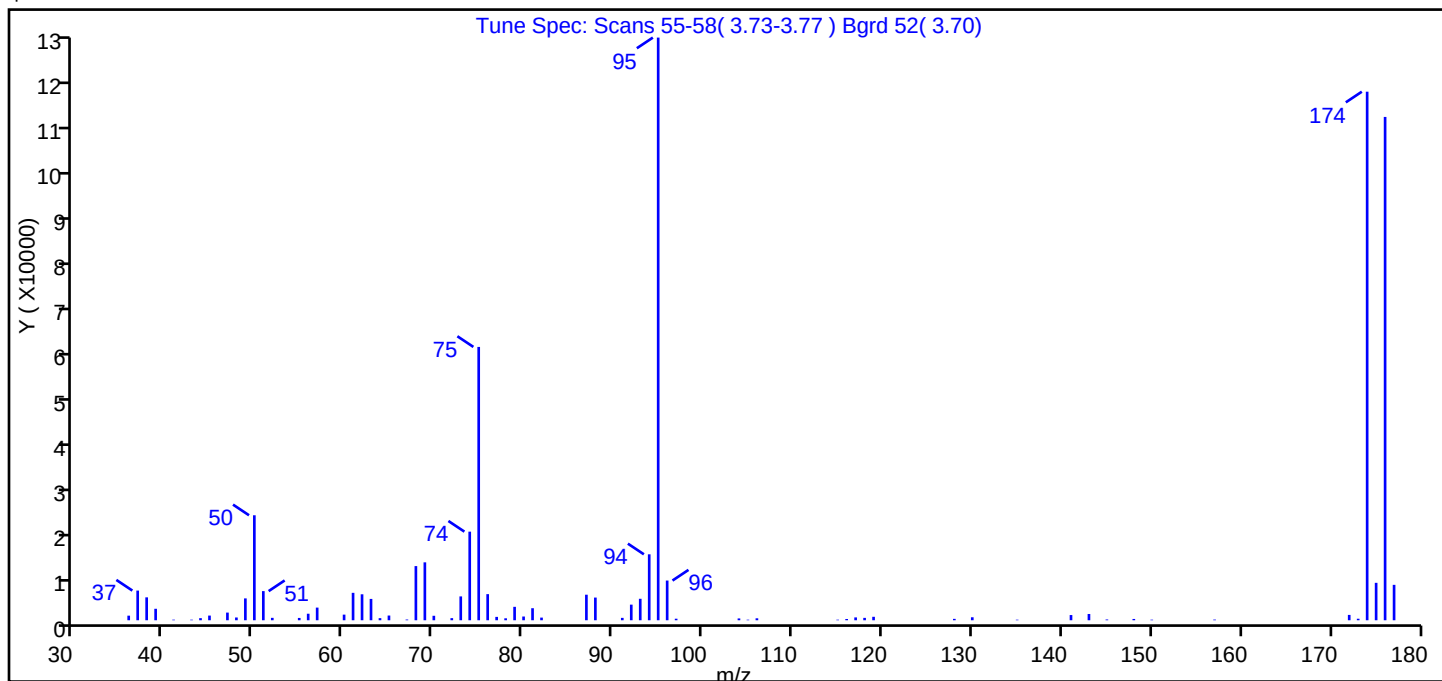
Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Tune Method: BFB Method 8260

\$ 4 BFB



| m/z | Ion Abundance Criteria             | % Relative Abundance |
|-----|------------------------------------|----------------------|
| 95  | Base Peak, 100% relative abundance | 100.00               |
| 50  | 15.00 - 40.00% of mass 95          | 18.02                |
| 75  | 30.00 - 60.00% of mass 95          | 46.91                |
| 96  | 5.00 - 9.00% of mass 95            | 6.82                 |
| 173 | Less than 2.00% of mass 174        | 0.26 ( 0.29)         |
| 174 | Greater than 50.00% of mass 95     | 90.71                |
| 175 | 5.00 - 9.00% of mass 174           | 6.42 ( 7.08)         |
| 176 | 95.00 - 101.00% of mass 174        | 86.38 ( 95.23)       |
| 177 | 5.00 - 9.00% of mass 176           | 6.08 ( 7.04)         |

Data File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\BFB5078.D\8260\_10.rslt\spectra.d  
Injection Date: 14-Dec-2012 15:04:30  
Spectrum: Tune Spec: Scans 55-58( 3.73-3.77 ) Bgrd 52( 3.70)  
Base Peak: 95.00  
Minimum % Base Peak: 0  
Number of Points: 70

| m/z   | Y     | m/z   | Y     | m/z    | Y      | m/z    | Y      |
|-------|-------|-------|-------|--------|--------|--------|--------|
| 36.00 | 1000  | 61.00 | 5972  | 81.00  | 2623   | 119.00 | 753    |
| 37.00 | 6462  | 62.00 | 5656  | 82.00  | 580    | 128.00 | 304    |
| 38.00 | 4988  | 63.00 | 4648  | 87.00  | 5564   | 130.00 | 650    |
| 39.00 | 2499  | 64.00 | 458   | 88.00  | 4940   | 135.00 | 125    |
| 41.00 | 129   | 65.00 | 1028  | 91.00  | 520    | 141.00 | 1134   |
| 43.00 | 125   | 67.00 | 160   | 92.00  | 3402   | 143.00 | 1365   |
| 44.00 | 457   | 68.00 | 11797 | 93.00  | 4676   | 145.00 | 171    |
| 45.00 | 1019  | 69.00 | 12612 | 94.00  | 14361  | 148.00 | 283    |
| 47.00 | 1669  | 70.00 | 974   | 95.00  | 126896 | 150.00 | 127    |
| 48.00 | 603   | 72.00 | 461   | 96.00  | 8649   | 157.00 | 147    |
| 49.00 | 4761  | 73.00 | 5194  | 97.00  | 335    | 172.00 | 1165   |
| 50.00 | 22864 | 74.00 | 19296 | 104.00 | 396    | 173.00 | 331    |
| 51.00 | 6347  | 75.00 | 59528 | 105.00 | 125    | 174.00 | 115112 |
| 52.00 | 525   | 76.00 | 5687  | 106.00 | 426    | 175.00 | 8151   |
| 55.00 | 504   | 77.00 | 734   | 115.00 | 126    | 176.00 | 109616 |
| 56.00 | 1423  | 78.00 | 425   | 116.00 | 275    | 177.00 | 7712   |
| 57.00 | 2756  | 79.00 | 2924  | 117.00 | 619    |        |        |
| 60.00 | 1226  | 80.00 | 815   | 118.00 | 520    |        |        |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\BFB5089.D  
Lims ID: BFB Client ID:  
Inject. Date: 20-Dec-2012 10:51:30 Dil. Factor: 1.0000  
Sample Type: BFB  
Sample ID:  
Misc. Info.: P21220A,BFBUX10,,1904 =P21220A,BFBUX10,,1904  
Operator: 1904 Instrument ID: A3UX10  
Purge Vol: 5.000 mL ALS Bottle#: 4  
Lims Batch ID: 69591 Lims Sample ID: 1  
Detector: MS SCAN  
  
Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260\_10.m  
Last Update: 21-Dec-2012 08:34:44 Calib Date: 14-Dec-2012 19:27:30  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
Limit Group: MSV 8260DOD ICAL  
Integrator: RTE ID Type: Deconvolution ID  
Column Type: DB-624 Column Dia: 0.18 mm  
Process Host: XAWRK018

First Level Reviewer: quayler

Date: 20-Dec-2012 10:59:33

| Compound | Sig | RT | EXP<br>RT | DLT<br>RT | Q | Response | On-Col Amt<br>ug/l | Flags |
|----------|-----|----|-----------|-----------|---|----------|--------------------|-------|
|----------|-----|----|-----------|-----------|---|----------|--------------------|-------|

\$ 4 BFB

95 3.747 3.747 0.0 0 655213 0



## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121220-16059.b\BFB5089.D

Injection Date: 20-Dec-2012 10:51:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 69591

Lims Sample ID: 1

Operator ID: 1904

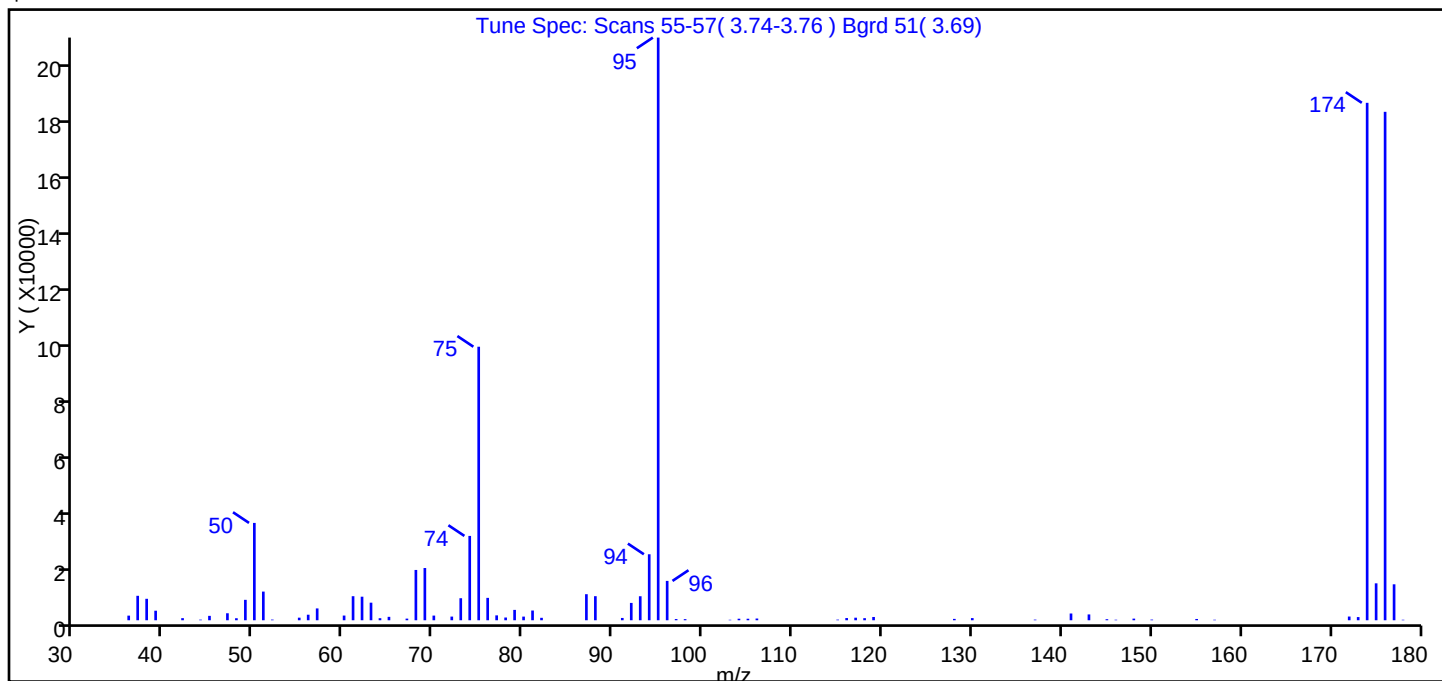
Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Tune Method: BFB Method 8260

\$ 4 BFB



| m/z | Ion Abundance Criteria             | % Relative Abundance |
|-----|------------------------------------|----------------------|
| 95  | Base Peak, 100% relative abundance | 100.00               |
| 50  | 15.00 - 40.00% of mass 95          | 16.71                |
| 75  | 30.00 - 60.00% of mass 95          | 46.94                |
| 96  | 5.00 - 9.00% of mass 95            | 6.75                 |
| 173 | Less than 2.00% of mass 174        | 0.54 ( 0.61)         |
| 174 | Greater than 50.00% of mass 95     | 88.80                |
| 175 | 5.00 - 9.00% of mass 174           | 6.34 ( 7.14)         |
| 176 | 95.00 - 101.00% of mass 174        | 87.26 ( 98.26)       |
| 177 | 5.00 - 9.00% of mass 176           | 6.17 ( 7.07)         |

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\BFB5089.D\8260\_10.rslt\spectra.d  
Injection Date: 20-Dec-2012 10:51:30  
Spectrum: Tune Spec: Scans 55-57( 3.74-3.76 ) Bgrd 51( 3.69)  
Base Peak: 95.00  
Minimum % Base Peak: 0  
Number of Points: 74

| m/z   | Y     | m/z   | Y     | m/z    | Y      | m/z    | Y      |
|-------|-------|-------|-------|--------|--------|--------|--------|
| 36.00 | 1611  | 63.00 | 6123  | 88.00  | 8385   | 130.00 | 752    |
| 37.00 | 8516  | 64.00 | 713   | 91.00  | 803    | 137.00 | 220    |
| 38.00 | 7472  | 65.00 | 1189  | 92.00  | 6040   | 141.00 | 2354   |
| 39.00 | 3324  | 67.00 | 569   | 93.00  | 8364   | 143.00 | 2029   |
| 42.00 | 735   | 68.00 | 17520 | 94.00  | 22984  | 145.00 | 365    |
| 44.00 | 214   | 69.00 | 18192 | 95.00  | 202944 | 146.00 | 188    |
| 45.00 | 1531  | 70.00 | 1625  | 96.00  | 13707  | 148.00 | 568    |
| 47.00 | 2436  | 72.00 | 1276  | 97.00  | 415    | 150.00 | 234    |
| 48.00 | 703   | 73.00 | 7674  | 98.00  | 384    | 155.00 | 445    |
| 49.00 | 7112  | 74.00 | 29376 | 103.00 | 168    | 157.00 | 182    |
| 50.00 | 33904 | 75.00 | 95272 | 104.00 | 532    | 172.00 | 1294   |
| 51.00 | 9985  | 76.00 | 7797  | 105.00 | 528    | 173.00 | 1106   |
| 52.00 | 233   | 77.00 | 1702  | 106.00 | 602    | 174.00 | 180224 |
| 55.00 | 899   | 78.00 | 953   | 115.00 | 224    | 175.00 | 12861  |
| 56.00 | 1931  | 79.00 | 3610  | 116.00 | 767    | 176.00 | 177088 |
| 57.00 | 4121  | 80.00 | 1273  | 117.00 | 888    | 177.00 | 12524  |
| 60.00 | 1637  | 81.00 | 3392  | 118.00 | 729    | 178.00 | 177    |
| 61.00 | 8377  | 82.00 | 852   | 119.00 | 1140   |        |        |
| 62.00 | 8206  | 87.00 | 9077  | 128.00 | 477    |        |        |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 240-69591/6

Matrix: Water Lab File ID: UXX1590.D

Analysis Method: 8260B/DoD Date Collected: \_\_\_\_\_

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 13:05

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.: 69591 Units: ug/L

| CAS NO.    | COMPOUND NAME               | RESULT | Q | LOQ | LOD  | DL   |
|------------|-----------------------------|--------|---|-----|------|------|
| 71-55-6    | 1,1,1-Trichloroethane       | 0.25   | U | 1.0 | 0.25 | 0.22 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 0.25   | U | 1.0 | 0.25 | 0.18 |
| 79-00-5    | 1,1,2-Trichloroethane       | 0.50   | U | 1.0 | 0.50 | 0.27 |
| 75-34-3    | 1,1-Dichloroethane          | 0.25   | U | 1.0 | 0.25 | 0.15 |
| 75-35-4    | 1,1-Dichloroethene          | 0.25   | U | 1.0 | 0.25 | 0.19 |
| 107-06-2   | 1,2-Dichloroethane          | 0.25   | U | 1.0 | 0.25 | 0.22 |
| 540-59-0   | 1,2-Dichloroethene, Total   | 0.50   | U | 2.0 | 0.50 | 0.34 |
| 78-87-5    | 1,2-Dichloropropane         | 0.25   | U | 1.0 | 0.25 | 0.18 |
| 78-93-3    | 2-Butanone (MEK)            | 0.57   | U | 10  | 0.57 | 0.57 |
| 591-78-6   | 2-Hexanone                  | 0.50   | U | 10  | 0.50 | 0.41 |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | 0.50   | U | 10  | 0.50 | 0.32 |
| 67-64-1    | Acetone                     | 1.1    | U | 10  | 1.1  | 1.1  |
| 71-43-2    | Benzene                     | 0.25   | U | 1.0 | 0.25 | 0.13 |
| 75-25-2    | Bromoform                   | 0.64   | U | 1.0 | 0.64 | 0.64 |
| 74-83-9    | Bromomethane                | 0.50   | U | 1.0 | 0.50 | 0.41 |
| 75-15-0    | Carbon disulfide            | 0.25   | U | 1.0 | 0.25 | 0.13 |
| 56-23-5    | Carbon tetrachloride        | 0.25   | U | 1.0 | 0.25 | 0.13 |
| 108-90-7   | Chlorobenzene               | 0.25   | U | 1.0 | 0.25 | 0.15 |
| 74-87-3    | Chloromethane               | 0.50   | U | 1.0 | 0.50 | 0.30 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.25   | U | 1.0 | 0.25 | 0.14 |
| 124-48-1   | Dibromochloromethane        | 0.25   | U | 1.0 | 0.25 | 0.18 |
| 75-27-4    | Bromodichloromethane        | 0.25   | U | 1.0 | 0.25 | 0.15 |
| 100-41-4   | Ethylbenzene                | 0.25   | U | 1.0 | 0.25 | 0.17 |
| 1634-04-4  | Methyl tert-butyl ether     | 0.25   | U | 1.0 | 0.25 | 0.17 |
| 75-09-2    | Methylene Chloride          | 0.50   | U | 1.0 | 0.50 | 0.33 |
| 100-42-5   | Styrene                     | 0.25   | U | 1.0 | 0.25 | 0.11 |
| 127-18-4   | Tetrachloroethene           | 0.50   | U | 1.0 | 0.50 | 0.29 |
| 108-88-3   | Toluene                     | 0.25   | U | 1.0 | 0.25 | 0.13 |
| 10061-02-6 | trans-1,3-Dichloropropene   | 0.25   | U | 1.0 | 0.25 | 0.19 |
| 79-01-6    | Trichloroethene             | 0.25   | U | 1.0 | 0.25 | 0.17 |
| 75-01-4    | Vinyl chloride              | 0.25   | U | 1.0 | 0.25 | 0.22 |
| 1330-20-7  | Xylenes, Total              | 0.75   | U | 2.0 | 0.75 | 0.28 |
| 67-66-3    | Chloroform                  | 0.25   | U | 1.0 | 0.25 | 0.16 |
| 74-97-5    | Bromochloromethane          | 0.50   | U | 1.0 | 0.50 | 0.29 |
| 106-93-4   | 1,2-Dibromoethane           | 0.25   | U | 1.0 | 0.25 | 0.24 |
| 75-00-3    | Chloroethane                | 0.50   | U | 1.0 | 0.50 | 0.29 |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 240-69591/6  
Matrix: Water Lab File ID: UXX1590.D  
Analysis Method: 8260B/DoD Date Collected: \_\_\_\_\_  
Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 13:05  
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.: 69591 Units: ug/L

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 2037-26-5  | Toluene-d8 (Surr)            | 95   |   | 85-120 |
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 91   |   | 70-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 91   |   | 75-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 99   |   | 85-115 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1590.D  
 Lims ID: MB Client ID:  
 Inject. Date: 20-Dec-2012 13:05:30 Dil. Factor: 1.0000  
 Sample Type: MB  
 Sample ID: 240-0016059-006  
 Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 6  
 Lims Batch ID: 69591 Lims Sample ID: 6  
 Detector: MS SCAN  
 Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260\_10.m  
 Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK018

First Level Reviewer: quayler

Date: 21-Dec-2012 07:40:21

| Compound                            | Sig | RT     | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|-------------------------------------|-----|--------|--------|--------|-----|----------|-----------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.216  | 5.204  | 0.012  | 100 | 2063755  | 10.0            |       |
| * 2 Chlorobenzene-d5                | 117 | 7.890  | 7.879  | 0.011  | 83  | 1478307  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.126 | 10.127 | -0.001 | 92  | 841736   | 10.0            |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.636  | 4.639  | -0.003 | 59  | 478064   | 9.90            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.920  | 4.923  | -0.003 | 0   | 515762   | 9.15            |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.576  | 6.568  | 0.008  | 92  | 1819305  | 9.50            |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.990  | 8.993  | -0.003 | 97  | 613288   | 9.11            |       |
| 143 1,3-Diethylbenzene TIC          | 1   |        | 0.000  |        |     |          |                 |       |
| 9 Benzyl chloride                   | 126 |        | 0.000  |        |     |          |                 |       |
| 10 C6-C12                           | 1   |        | 0.000  |        |     |          |                 |       |
| 11 C6-C10                           | 1   |        | 0.000  |        |     |          |                 |       |
| 12 Dichlorodifluoromethane          | 85  |        | 1.562  |        |     |          |                 |       |
| 13 Chloromethane                    | 50  |        | 1.693  |        |     |          |                 |       |
| 14 Vinyl chloride                   | 62  |        | 1.799  |        |     |          |                 |       |
| 15 Chlorodifluoromethane TIC        | 1   |        | 1.900  |        |     |          |                 |       |
| 16 Bromomethane                     | 94  |        | 2.095  |        |     |          |                 |       |
| 17 Chloroethane                     | 64  |        | 2.178  |        |     |          |                 |       |
| 18 Dichlorofluoromethane            | 67  |        | 2.329  |        |     |          |                 |       |
| 19 Trichlorofluoromethane           | 101 |        | 2.391  |        |     |          |                 |       |
| 20 Ethyl ether                      | 59  |        | 2.613  |        |     |          |                 | 9     |
| 21 Acrolein                         | 56  |        | 2.710  |        |     |          |                 | 9     |
| 23 1,1-Dichloroethene               | 96  |        | 2.817  |        |     |          |                 | 9     |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 |        | 2.829  |        |     |          |                 |       |
| 24 Acetone                          | 43  | 2.825  | 2.829  | -0.004 | 88  | 14174    | 0.2711          |       |
| 22 Methylal                         | 45  |        | 2.851  |        |     |          |                 | 9     |
| 26 Iodomethane                      | 142 |        | 2.947  |        |     |          |                 |       |
| 27 Carbon disulfide                 | 76  |        | 3.006  |        |     |          |                 |       |
| 28 Acetonitrile                     | 41  |        | 3.053  |        |     |          |                 |       |
| 30 Methyl acetate                   | 43  |        | 3.101  |        |     |          |                 | 9     |
| 29 3-Chloro-1-propene               | 76  |        | 3.110  |        |     |          |                 |       |

| Compound                       | Sig | RT | EXP<br>RT | DLT<br>RT | Q | Response | On-Col Amt<br>ug/l | Flags |
|--------------------------------|-----|----|-----------|-----------|---|----------|--------------------|-------|
| 31 Methylene Chloride          | 84  |    | 3.195     |           |   |          |                    |       |
| 32 2-Methyl-2-propanol         | 59  |    | 3.266     |           |   |          |                    | 9     |
| 33 Acrylonitrile               | 53  |    | 3.385     |           |   |          |                    |       |
| 34 trans-1,2-Dichloroethene    | 96  |    | 3.432     |           |   |          |                    |       |
| 35 Methyl tert-butyl ether     | 73  |    | 3.432     |           |   |          |                    |       |
| 36 Hexane                      | 86  |    | 3.669     |           |   |          |                    |       |
| 37 1,1-Dichloroethane          | 63  |    | 3.775     |           |   |          |                    |       |
| 38 Vinyl acetate               | 86  |    | 3.799     |           |   |          |                    |       |
| 39 Isopropyl ether             | 87  |    | 3.832     |           |   |          |                    |       |
| 40 2-Chloro-1,3-butadiene      | 53  |    | 3.856     |           |   |          |                    |       |
| 41 Tert-butyl ethyl ether      | 59  |    | 4.128     |           |   |          |                    |       |
| 43 cis-1,2-Dichloroethene      | 96  |    | 4.248     |           |   |          |                    |       |
| 42 2-Butanone (MEK)            | 43  |    | 4.248     |           |   |          |                    |       |
| 44 2,2-Dichloropropane         | 77  |    | 4.260     |           |   |          |                    |       |
| 45 Propionitrile               | 54  |    | 4.293     |           |   |          |                    |       |
| 46 Ethyl acetate               | 43  |    | 4.293     |           |   |          |                    | 9     |
| 47 Methacrylonitrile           | 41  |    | 4.424     |           |   |          |                    |       |
| 48 Chlorobromomethane          | 128 |    | 4.450     |           |   |          |                    |       |
| 50 Chloroform                  | 83  |    | 4.497     |           |   |          |                    |       |
| 49 Tetrahydrofuran             | 42  |    | 4.497     |           |   |          |                    |       |
| 51 1,1,1-Trichloroethane       | 97  |    | 4.686     |           |   |          |                    |       |
| 52 Cyclohexane                 | 56  |    | 4.745     |           |   |          |                    |       |
| 53 1,1-Dichloropropene         | 75  |    | 4.816     |           |   |          |                    |       |
| 54 Carbon tetrachloride        | 117 |    | 4.828     |           |   |          |                    |       |
| 55 Isobutyl alcohol            | 41  |    | 4.850     |           |   |          |                    |       |
| 57 Benzene                     | 78  |    | 4.982     |           |   |          |                    |       |
| 56 1,2-Dichloroethane          | 62  |    | 4.982     |           |   |          |                    |       |
| 58 Tert-amyl methyl ether      | 73  |    | 5.062     |           |   |          |                    |       |
| 59 n-Heptane                   | 100 |    | 5.204     |           |   |          |                    |       |
| 60 n-Butanol                   | 56  |    | 5.406     |           |   |          |                    |       |
| 61 Trichloroethene             | 130 |    | 5.526     |           |   |          |                    |       |
| 62 Ethyl acrylate              | 55  |    | 5.605     |           |   |          |                    |       |
| 64 1,2-Dichloropropane         | 63  |    | 5.704     |           |   |          |                    |       |
| 63 Methylcyclohexane           | 83  |    | 5.704     |           |   |          |                    | 9     |
| 65 Methyl methacrylate         | 41  |    | 5.784     |           |   |          |                    |       |
| 66 Dibromomethane              | 93  |    | 5.810     |           |   |          |                    |       |
| 67 1,4-Dioxane                 | 88  |    | 5.810     |           |   |          |                    |       |
| 68 Dichlorobromomethane        | 83  |    | 5.929     |           |   |          |                    |       |
| 69 2-Nitropropane              | 41  |    | 6.116     |           |   |          |                    |       |
| 70 2-Chloroethyl vinyl ether   | 63  |    | 6.177     |           |   |          |                    |       |
| 71 cis-1,3-Dichloropropene     | 75  |    | 6.319     |           |   |          |                    |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  |    | 6.449     |           |   |          |                    |       |
| 73 Toluene                     | 91  |    | 6.627     |           |   |          |                    | 9     |
| 74 trans-1,3-Dichloropropene   | 75  |    | 6.804     |           |   |          |                    |       |
| 75 Ethyl methacrylate          | 69  |    | 6.875     |           |   |          |                    |       |
| 76 1,1,2-Trichloroethane       | 97  |    | 6.970     |           |   |          |                    |       |
| 77 1,3-Dichloropropane         | 76  |    | 7.124     |           |   |          |                    |       |
| 78 Tetrachloroethene           | 164 |    | 7.136     |           |   |          |                    |       |
| 79 2-Hexanone                  | 43  |    | 7.183     |           |   |          |                    |       |
| 80 n-Butyl acetate             | 56  |    | 7.299     |           |   |          |                    |       |
| 81 Chlorodibromomethane        | 129 |    | 7.337     |           |   |          |                    |       |
| 82 Tetrahydrothiophene         | 60  |    | 7.346     |           |   |          |                    |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|----|----------|--------------------|-------|
| 83 Ethylene Dibromide            | 107 |        | 7.455     |           |    |          |                    |       |
| 84 1-Chlorohexane                | 91  |        | 7.779     |           |    |          |                    |       |
| 85 Chlorobenzene                 | 112 |        | 7.905     |           |    |          |                    | 9     |
| 86 1,1,1,2-Tetrachloroethane     | 131 |        | 7.976     |           |    |          |                    |       |
| 87 Ethylbenzene                  | 106 |        | 8.011     |           |    |          |                    | 9     |
| 88 m-Xylene & p-Xylene           | 106 |        | 8.118     |           |    |          |                    | 9     |
| 89 o-Xylene                      | 106 |        | 8.496     |           |    |          |                    |       |
| 90 Styrene                       | 104 |        | 8.508     |           |    |          |                    | 9     |
| 91 Bromoform                     | 173 |        | 8.686     |           |    |          |                    |       |
| 92 Isopropylbenzene              | 105 |        | 8.851     |           |    |          |                    | 9     |
| 93 1,4-Dichlorobutane            | 55  |        | 8.931     |           |    |          |                    | 9     |
| 94 Cyclohexanone                 | 55  |        | 8.932     |           |    |          |                    | 9     |
| 95 1,1,2,2-Tetrachloroethane     | 83  |        | 9.112     |           |    |          |                    |       |
| 96 Bromobenzene                  | 156 |        | 9.147     |           |    |          |                    |       |
| 97 1,2,3-Trichloropropane        | 110 |        | 9.159     |           |    |          |                    |       |
| 98 trans-1,4-Dichloro-2-butene   | 53  |        | 9.171     |           |    |          |                    |       |
| 99 N-Propylbenzene               | 120 |        | 9.242     |           |    |          |                    |       |
| 100 2-Chlorotoluene              | 126 |        | 9.337     |           |    |          |                    |       |
| 101 1,3,5-Trimethylbenzene       | 105 |        | 9.419     |           |    |          |                    | 9     |
| 102 4-Chlorotoluene              | 126 |        | 9.443     |           |    |          |                    |       |
| 103 tert-Butylbenzene            | 119 |        | 9.739     |           |    |          |                    | 9     |
| 104 1,2,4-Trimethylbenzene       | 105 |        | 9.786     |           |    |          |                    | 9     |
| 105 sec-Butylbenzene             | 105 |        | 9.952     |           |    |          |                    | 9     |
| 106 1,3-Dichlorobenzene          | 146 |        | 10.070    |           |    |          |                    | 9     |
| 107 4-Isopropyltoluene           | 119 |        | 10.094    |           |    |          |                    | 9     |
| 108 1,4-Dichlorobenzene          | 146 |        | 10.153    |           |    |          |                    | 9     |
| 109 1,2,3-Trimethylbenzene       | 105 |        | 10.198    |           |    |          |                    | 9     |
| 110 n-Butylbenzene               | 91  |        | 10.496    |           |    |          |                    | 9     |
| 111 1,2-Dichlorobenzene          | 146 |        | 10.520    |           |    |          |                    | 9     |
| 112 1,2-Dibromo-3-Chloropropane  | 157 |        | 11.289    |           |    |          |                    |       |
| 113 1,3,5-Trichlorobenzene       | 180 |        | 11.514    |           |    |          |                    | 9     |
| 114 1,2,4-Trichlorobenzene       | 180 |        | 12.129    |           |    |          |                    | 9     |
| 115 Hexachlorobutadiene          | 225 | 12.303 | 12.307    | -0.004    | 20 | 6394     | 0.2397             |       |
| 116 Naphthalene                  | 128 | 12.374 | 12.378    | -0.004    | 70 | 19964    | 0.1534             |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.623 | 12.626    | -0.003    | 50 | 11382    | 0.2169             |       |
| 118 2-Methylnaphthalene          | 142 |        | 13.689    |           |    |          |                    | 9     |
| S 119 Trihalomethanes, Total     | 1   |        | 0.000     |           |    |          |                    | 7     |
| S 120 1,2-Dichloroethene, Total  | 96  |        | 1.140     |           |    |          |                    | 7     |
| S 121 1,3-Dichloropropene, Total | 75  |        | 6.760     |           |    |          |                    | 7     |
| S 122 Xylenes, Total             | 106 |        | 16.530    |           |    |          |                    | 7     |
| T 123 Butyl Methacrylate TIC     | 1   |        | 9.400     |           |    |          |                    | 1     |
| T 124 Hexachloroethane TIC       | 1   |        | 10.700    |           |    |          |                    | 1     |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

## TestAmerica Canton

Data File: \\NCCchrom\ChromData\A3UX10\20121220-16059.b\UXX1590.D

Injection Date: 20-Dec-2012 13:05:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 69591

Lims Sample ID: 6

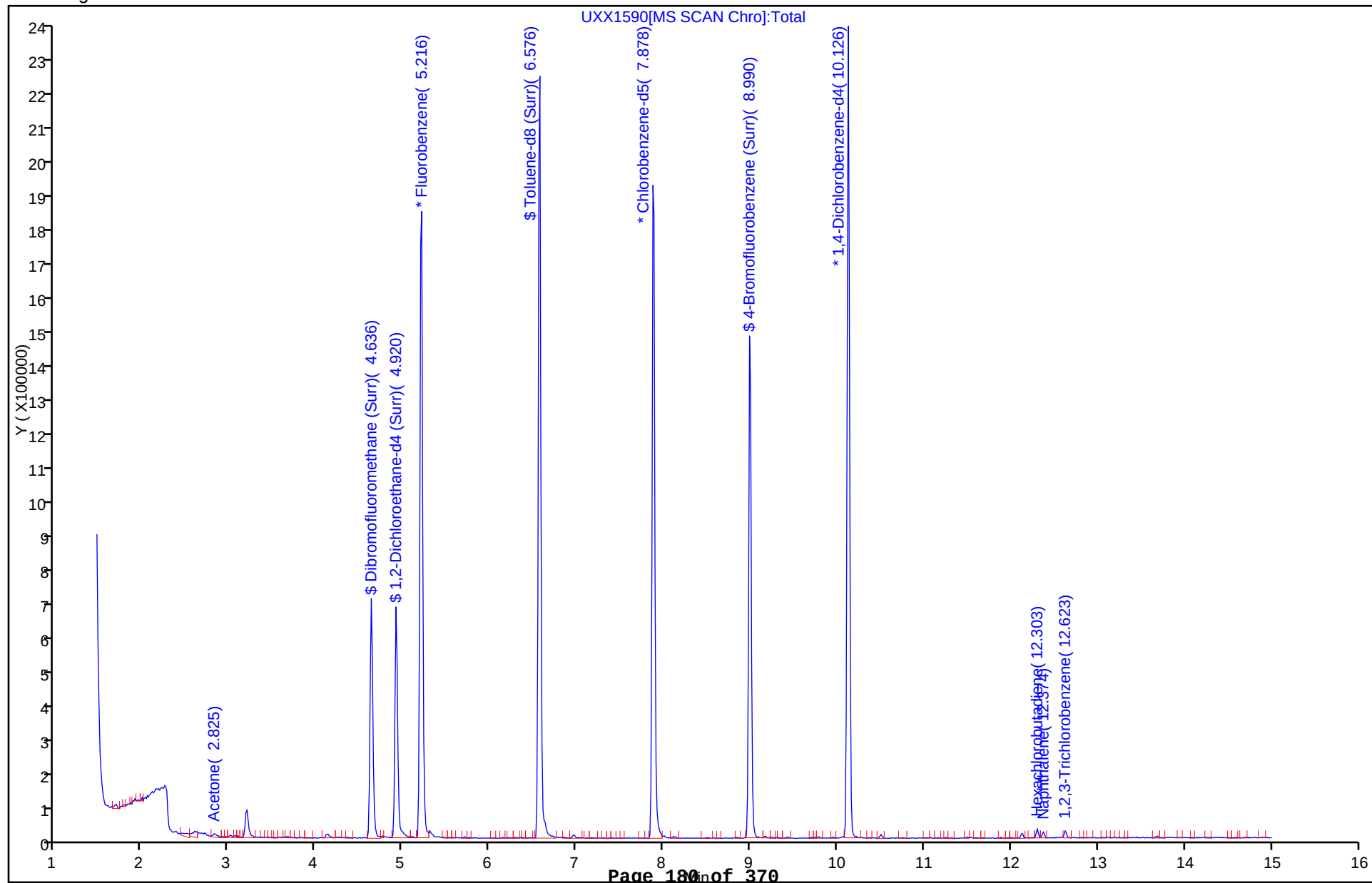
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:





FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 240-69591/4

Matrix: Water Lab File ID: UXX1588.D

Analysis Method: 8260B/DoD Date Collected: \_\_\_\_\_

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 12:21

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.: 69591 Units: ug/L

| CAS NO.    | COMPOUND NAME               | RESULT | Q | LOQ | LOD  | DL   |
|------------|-----------------------------|--------|---|-----|------|------|
| 71-55-6    | 1,1,1-Trichloroethane       | 9.73   |   | 1.0 | 0.25 | 0.22 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 8.20   |   | 1.0 | 0.25 | 0.18 |
| 79-00-5    | 1,1,2-Trichloroethane       | 9.41   |   | 1.0 | 0.50 | 0.27 |
| 75-34-3    | 1,1-Dichloroethane          | 9.80   |   | 1.0 | 0.25 | 0.15 |
| 75-35-4    | 1,1-Dichloroethene          | 9.70   |   | 1.0 | 0.25 | 0.19 |
| 107-06-2   | 1,2-Dichloroethane          | 9.38   |   | 1.0 | 0.25 | 0.22 |
| 540-59-0   | 1,2-Dichloroethene, Total   | 19.9   |   | 2.0 | 0.50 | 0.34 |
| 78-87-5    | 1,2-Dichloropropane         | 9.91   |   | 1.0 | 0.25 | 0.18 |
| 78-93-3    | 2-Butanone (MEK)            | 18.0   |   | 10  | 0.57 | 0.57 |
| 591-78-6   | 2-Hexanone                  | 17.6   |   | 10  | 0.50 | 0.41 |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | 19.8   |   | 10  | 0.50 | 0.32 |
| 67-64-1    | Acetone                     | 20.6   |   | 10  | 1.1  | 1.1  |
| 71-43-2    | Benzene                     | 9.74   |   | 1.0 | 0.25 | 0.13 |
| 75-25-2    | Bromoform                   | 8.65   |   | 1.0 | 0.64 | 0.64 |
| 74-83-9    | Bromomethane                | 8.59   |   | 1.0 | 0.50 | 0.41 |
| 75-15-0    | Carbon disulfide            | 10.2   |   | 1.0 | 0.25 | 0.13 |
| 56-23-5    | Carbon tetrachloride        | 9.96   |   | 1.0 | 0.25 | 0.13 |
| 108-90-7   | Chlorobenzene               | 9.56   |   | 1.0 | 0.25 | 0.15 |
| 74-87-3    | Chloromethane               | 8.62   |   | 1.0 | 0.50 | 0.30 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 9.52   |   | 1.0 | 0.25 | 0.14 |
| 124-48-1   | Dibromochloromethane        | 9.25   |   | 1.0 | 0.25 | 0.18 |
| 75-27-4    | Bromodichloromethane        | 9.81   |   | 1.0 | 0.25 | 0.15 |
| 100-41-4   | Ethylbenzene                | 9.95   |   | 1.0 | 0.25 | 0.17 |
| 1634-04-4  | Methyl tert-butyl ether     | 9.55   |   | 1.0 | 0.25 | 0.17 |
| 75-09-2    | Methylene Chloride          | 9.92   |   | 1.0 | 0.50 | 0.33 |
| 100-42-5   | Styrene                     | 10.1   |   | 1.0 | 0.25 | 0.11 |
| 127-18-4   | Tetrachloroethene           | 9.89   |   | 1.0 | 0.50 | 0.29 |
| 108-88-3   | Toluene                     | 9.48   |   | 1.0 | 0.25 | 0.13 |
| 10061-02-6 | trans-1,3-Dichloropropene   | 8.78   |   | 1.0 | 0.25 | 0.19 |
| 79-01-6    | Trichloroethene             | 10.2   |   | 1.0 | 0.25 | 0.17 |
| 75-01-4    | Vinyl chloride              | 8.84   |   | 1.0 | 0.25 | 0.22 |
| 1330-20-7  | Xylenes, Total              | 30.2   |   | 2.0 | 0.75 | 0.28 |
| 67-66-3    | Chloroform                  | 9.19   |   | 1.0 | 0.25 | 0.16 |
| 74-97-5    | Bromochloromethane          | 9.74   |   | 1.0 | 0.50 | 0.29 |
| 106-93-4   | 1,2-Dibromoethane           | 9.16   |   | 1.0 | 0.25 | 0.24 |
| 75-00-3    | Chloroethane                | 9.33   |   | 1.0 | 0.50 | 0.29 |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 240-69591/4  
Matrix: Water Lab File ID: UXX1588.D  
Analysis Method: 8260B/DoD Date Collected: \_\_\_\_\_  
Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 12:21  
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.: 69591 Units: ug/L

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 2037-26-5  | Toluene-d8 (Surr)            | 98   |   | 85-120 |
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 90   |   | 70-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 107  |   | 75-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 98   |   | 85-115 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1588.D  
 Lims ID: LCS Client ID:  
 Inject. Date: 20-Dec-2012 12:21:30 Dil. Factor: 1.0000  
 Sample Type: LCS  
 Sample ID: 240-0016059-004  
 Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 4  
 Lims Batch ID: 69591 Lims Sample ID: 4  
 Detector: MS SCAN  
 Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260\_10.m  
 Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK018

First Level Reviewer: quayler

Date: 20-Dec-2012 12:42:00

| Compound                            | Sig | RT     | EXP RT | DLT RT | Q  | Response | On-Col Amt ug/l | Flags |
|-------------------------------------|-----|--------|--------|--------|----|----------|-----------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.207  | 5.204  | 0.003  | 99 | 2174437  | 10.0            |       |
| * 2 Chlorobenzene-d5                | 117 | 7.881  | 7.879  | 0.002  | 82 | 1587263  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.130 | 10.127 | 0.003  | 89 | 1025898  | 10.0            |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.639  | 4.639  | 0.0    | 60 | 499548   | 9.82            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.923  | 4.923  | 0.0    | 0  | 537518   | 9.05            |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.568  | 6.568  | 0.0    | 92 | 2006831  | 9.76            |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.994  | 8.993  | 0.001  | 90 | 776333   | 10.7            |       |
| 12 Dichlorodifluoromethane          | 85  | 1.563  | 1.562  | 0.001  | 86 | 341037   | 8.48            |       |
| 13 Chloromethane                    | 50  | 1.705  | 1.693  | 0.012  | 89 | 618636   | 8.62            |       |
| 14 Vinyl chloride                   | 62  | 1.799  | 1.799  | 0.0    | 97 | 630949   | 8.84            |       |
| 16 Bromomethane                     | 94  | 2.095  | 2.095  | 0.0    | 88 | 287829   | 8.59            |       |
| 17 Chloroethane                     | 64  | 2.178  | 2.178  | 0.0    | 98 | 388066   | 9.33            |       |
| 19 Trichlorofluoromethane           | 101 | 2.403  | 2.391  | 0.012  | 98 | 574925   | 9.96            |       |
| 20 Ethyl ether                      | 59  | 2.616  | 2.613  | 0.003  | 89 | 436292   | 9.55            |       |
| 21 Acrolein                         | 56  | 2.711  | 2.710  | 0.0    | 90 | 137548   | 21.1            |       |
| 23 1,1-Dichloroethene               | 96  | 2.817  | 2.817  | 0.0    | 96 | 534757   | 9.70            |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.841  | 2.829  | 0.012  | 81 | 506673   | 11.8            |       |
| 24 Acetone                          | 43  | 2.829  | 2.829  | 0.0    | 58 | 269947   | 20.6            |       |
| 26 Iodomethane                      | 142 | 2.947  | 2.947  | 0.0    | 97 | 899048   | 10.3            |       |
| 27 Carbon disulfide                 | 76  | 3.018  | 3.006  | 0.012  | 98 | 1716991  | 10.2            |       |
| 28 Acetonitrile                     | 41  | 3.054  | 3.053  | 0.001  | 94 | 113918   | 29.3            |       |
| 30 Methyl acetate                   | 43  | 3.113  | 3.101  | 0.012  | 95 | 321969   | 7.91            |       |
| 31 Methylene Chloride               | 84  | 3.196  | 3.195  | 0.001  | 80 | 643611   | 9.92            |       |
| 32 2-Methyl-2-propanol              | 59  | 3.267  | 3.266  | 0.001  | 94 | 469871   | 187.9           |       |
| 33 Acrylonitrile                    | 53  | 3.385  | 3.385  | 0.0    | 99 | 511185   | 26.6            |       |
| 34 trans-1,2-Dichloroethene         | 96  | 3.444  | 3.432  | 0.012  | 70 | 591856   | 9.91            |       |
| 35 Methyl tert-butyl ether          | 73  | 3.432  | 3.432  | 0.0    | 89 | 1400634  | 9.55            |       |
| 36 Hexane                           | 86  | 3.669  | 3.669  | 0.0    | 91 | 126900   | 10.7            |       |
| 37 1,1-Dichloroethane               | 63  | 3.775  | 3.775  | 0.0    | 85 | 966956   | 9.80            |       |
| 38 Vinyl acetate                    | 86  | 3.799  | 3.799  | 0.0    | 97 | 107604   | 12.8            |       |

| Compound                       | Sig | RT     | EXP<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ug/l | Flags |
|--------------------------------|-----|--------|-----------|-----------|----|----------|--------------------|-------|
| 39 Isopropyl ether             | 87  | 3.835  | 3.832     | 0.003     | 94 | 519657   | 10.5               |       |
| 43 cis-1,2-Dichloroethene      | 96  | 4.249  | 4.248     | 0.001     | 80 | 633492   | 10.0               |       |
| 42 2-Butanone (MEK)            | 43  | 4.249  | 4.248     | 0.001     | 94 | 358131   | 18.0               |       |
| 44 2,2-Dichloropropane         | 77  | 4.261  | 4.260     | 0.001     | 89 | 532673   | 10.4               |       |
| 48 Chlorobromomethane          | 128 | 4.450  | 4.450     | 0.0       | 86 | 303064   | 9.74               |       |
| 50 Chloroform                  | 83  | 4.509  | 4.497     | 0.012     | 80 | 915997   | 9.19               |       |
| 49 Tetrahydrofuran             | 42  | 4.497  | 4.497     | 0.0       | 84 | 117375   | 8.46               |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.687  | 4.686     | 0.001     | 95 | 704760   | 9.73               |       |
| 52 Cyclohexane                 | 56  | 4.746  | 4.745     | 0.001     | 87 | 897464   | 9.88               |       |
| 53 1,1-Dichloropropene         | 75  | 4.817  | 4.816     | 0.001     | 93 | 729744   | 9.96               |       |
| 54 Carbon tetrachloride        | 117 | 4.829  | 4.828     | 0.001     | 83 | 628300   | 9.96               |       |
| 55 Isobutyl alcohol            | 41  | 4.852  | 4.850     | 0.002     | 92 | 564202   | 429.1              |       |
| 57 Benzene                     | 78  | 4.982  | 4.982     | 0.0       | 94 | 2308891  | 9.74               |       |
| 56 1,2-Dichloroethane          | 62  | 4.982  | 4.982     | 0.0       | 51 | 652124   | 9.38               |       |
| 61 Trichloroethene             | 130 | 5.527  | 5.526     | 0.001     | 91 | 615691   | 10.2               |       |
| 64 1,2-Dichloropropane         | 63  | 5.704  | 5.704     | 0.0       | 83 | 517794   | 9.91               |       |
| 63 Methylcyclohexane           | 83  | 5.704  | 5.704     | 0.0       | 89 | 810301   | 10.2               |       |
| 66 Dibromomethane              | 93  | 5.811  | 5.810     | 0.001     | 85 | 308827   | 9.93               |       |
| 68 Dichlorobromomethane        | 83  | 5.929  | 5.929     | 0.0       | 94 | 634347   | 9.81               |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.178  | 6.177     | 0.001     | 90 | 250001   | 9.20               |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.320  | 6.319     | 0.001     | 90 | 705729   | 9.52               |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.450  | 6.449     | 0.001     | 96 | 797777   | 19.8               |       |
| 73 Toluene                     | 91  | 6.627  | 6.627     | 0.0       | 98 | 2407469  | 9.48               |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.805  | 6.804     | 0.001     | 87 | 590821   | 8.78               |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.970  | 6.970     | 0.0       | 84 | 463202   | 9.41               |       |
| 77 1,3-Dichloropropane         | 76  | 7.124  | 7.124     | 0.0       | 91 | 784933   | 9.18               |       |
| 78 Tetrachloroethene           | 164 | 7.136  | 7.136     | 0.0       | 91 | 513658   | 9.89               |       |
| 79 2-Hexanone                  | 43  | 7.183  | 7.183     | 0.0       | 96 | 494037   | 17.6               |       |
| 81 Chlorodibromomethane        | 129 | 7.337  | 7.337     | 0.0       | 89 | 465433   | 9.25               |       |
| 83 Ethylene Dibromide          | 107 | 7.455  | 7.455     | 0.0       | 98 | 443600   | 9.16               |       |
| 85 Chlorobenzene               | 112 | 7.905  | 7.905     | 0.0       | 96 | 1596152  | 9.56               |       |
| 86 1,1,1,2-Tetrachloroethane   | 131 | 7.976  | 7.976     | 0.0       | 83 | 542612   | 9.51               |       |
| 87 Ethylbenzene                | 106 | 8.012  | 8.011     | 0.001     | 97 | 848644   | 9.95               |       |
| 88 m-Xylene & p-Xylene         | 106 | 8.118  | 8.118     | 0.0       | 99 | 2163107  | 20.0               |       |
| 89 o-Xylene                    | 106 | 8.497  | 8.496     | 0.001     | 94 | 1062866  | 10.2               |       |
| 90 Styrene                     | 104 | 8.509  | 8.508     | 0.001     | 94 | 1727671  | 10.1               |       |
| 91 Bromoform                   | 173 | 8.686  | 8.686     | 0.0       | 99 | 283015   | 8.65               |       |
| 92 Isopropylbenzene            | 105 | 8.852  | 8.851     | 0.001     | 94 | 2582702  | 10.2               |       |
| 94 Cyclohexanone               | 55  | 8.935  | 8.932     | 0.003     | 80 | 976671   | 172.7              |       |
| 95 1,1,2,2-Tetrachloroethane   | 83  | 9.112  | 9.112     | 0.0       | 81 | 599813   | 8.20               |       |
| 96 Bromobenzene                | 156 | 9.148  | 9.147     | 0.001     | 89 | 721185   | 9.22               |       |
| 97 1,2,3-Trichloropropane      | 110 | 9.159  | 9.159     | 0.0       | 74 | 202339   | 8.51               |       |
| 98 trans-1,4-Dichloro-2-butene | 53  | 9.171  | 9.171     | 0.0       | 75 | 178530   | 9.87               |       |
| 99 N-Propylbenzene             | 120 | 9.242  | 9.242     | 0.0       | 97 | 746081   | 9.86               |       |
| 100 2-Chlorotoluene            | 126 | 9.337  | 9.337     | 0.0       | 98 | 676889   | 9.44               |       |
| 101 1,3,5-Trimethylbenzene     | 105 | 9.420  | 9.419     | 0.001     | 92 | 2147772  | 9.85               |       |
| 102 4-Chlorotoluene            | 126 | 9.432  | 9.443     | -0.011    | 98 | 728663   | 9.55               |       |
| 103 tert-Butylbenzene          | 119 | 9.739  | 9.739     | 0.0       | 89 | 1989099  | 10.2               |       |
| 104 1,2,4-Trimethylbenzene     | 105 | 9.787  | 9.786     | 0.001     | 97 | 2235426  | 9.98               |       |
| 105 sec-Butylbenzene           | 105 | 9.952  | 9.952     | 0.0       | 92 | 2375019  | 9.74               |       |
| 106 1,3-Dichlorobenzene        | 146 | 10.071 | 10.070    | 0.0       | 87 | 1361955  | 9.42               |       |
| 107 4-Isopropyltoluene         | 119 | 10.094 | 10.094    | 0.0       | 93 | 2113757  | 10.2               |       |

| Compound                        | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|---------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 108 1,4-Dichlorobenzene         | 146 | 10.153 | 10.153    | 0.0       | 94  | 1436433  | 9.16               |       |
| 109 1,2,3-Trimethylbenzene      | 105 | 10.201 | 10.198    | 0.003     | 87  | 2198979  | 10.2               |       |
| 110 n-Butylbenzene              | 91  | 10.496 | 10.496    | 0.0       | 97  | 1580446  | 9.53               |       |
| 111 1,2-Dichlorobenzene         | 146 | 10.520 | 10.520    | 0.0       | 99  | 1307106  | 9.43               |       |
| 112 1,2-Dibromo-3-Chloropropane | 157 | 11.289 | 11.289    | 0.0       | 87  | 94824    | 8.69               |       |
| 114 1,2,4-Trichlorobenzene      | 180 | 12.129 | 12.129    | 0.0       | 90  | 560140   | 8.57               |       |
| 115 Hexachlorobutadiene         | 225 | 12.307 | 12.307    | 0.0       | 92  | 224233   | 6.90               |       |
| 116 Naphthalene                 | 128 | 12.378 | 12.378    | 0.0       | 100 | 1286477  | 8.11               |       |
| 117 1,2,3-Trichlorobenzene      | 180 | 12.626 | 12.626    | 0.0       | 99  | 511074   | 7.99               |       |
| S 119 Trihalomethanes, Total    | 1   |        |           |           | 0   |          | 36.9               |       |
| S 120 1,2-Dichloroethene, Total | 96  |        |           |           | 0   |          | 19.9               |       |
| S 122 Xylenes, Total            | 106 |        |           |           | 0   |          | 30.3               |       |

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121220-16059.b\UXX1588.D

Injection Date: 20-Dec-2012 12:21:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 69591

Lims Sample ID: 4

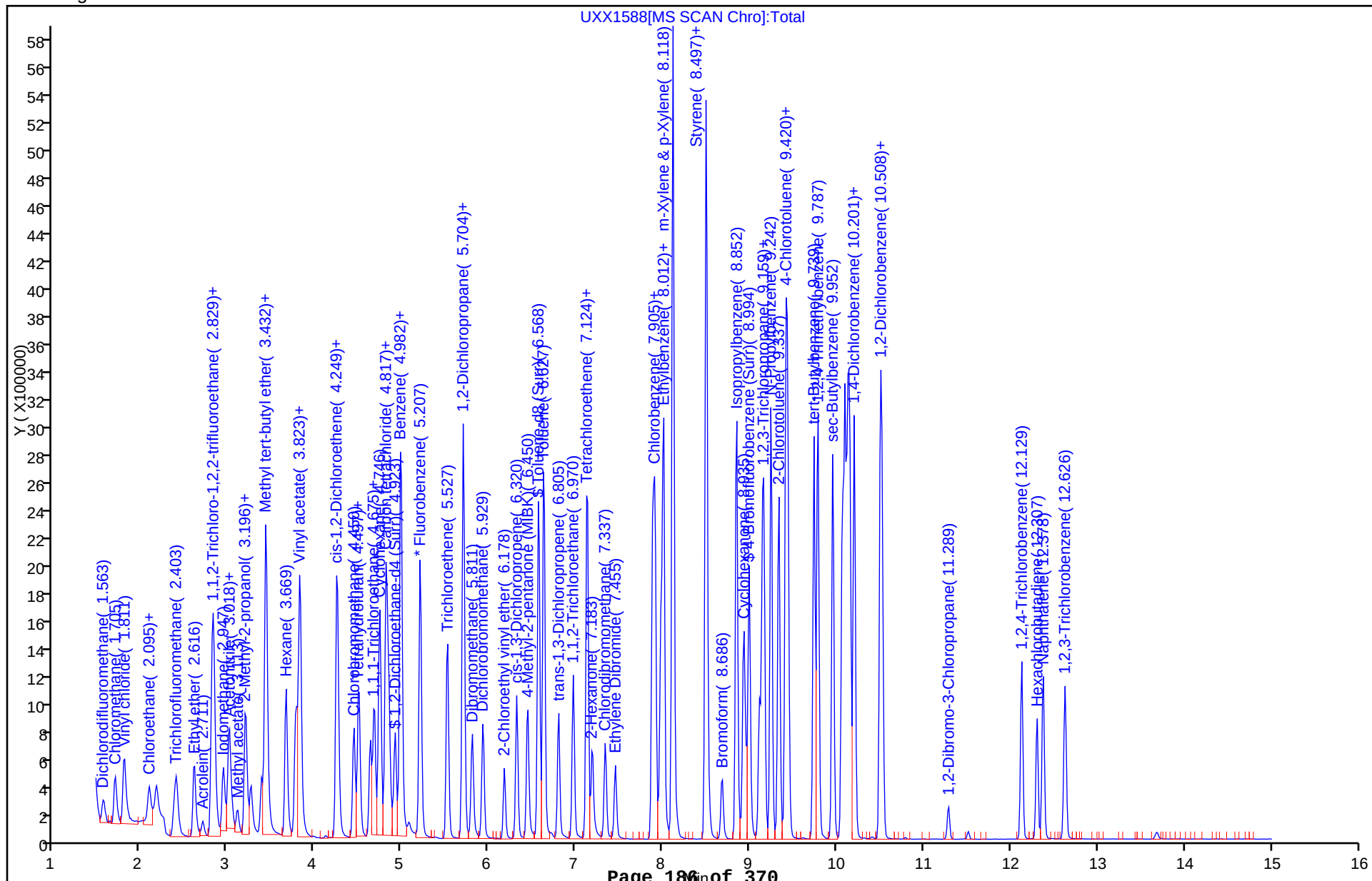
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-69591/5

Matrix: Water Lab File ID: UXX1589.D

Analysis Method: 8260B/DoD Date Collected: \_\_\_\_\_

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 12:43

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.: 69591 Units: ng/uL

| CAS NO.    | COMPOUND NAME               | RESULT   | Q   | LOQ    | LOD     | DL      |
|------------|-----------------------------|----------|-----|--------|---------|---------|
| 71-55-6    | 1,1,1-Trichloroethane       | 0.000965 | J   | 0.0010 | 0.00025 | 0.00022 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 0.000928 | J   | 0.0010 | 0.00025 | 0.00018 |
| 79-00-5    | 1,1,2-Trichloroethane       | 0.000894 | J   | 0.0010 | 0.00050 | 0.00027 |
| 75-34-3    | 1,1-Dichloroethane          | 0.000865 | J   | 0.0010 | 0.00025 | 0.00015 |
| 75-35-4    | 1,1-Dichloroethene          | 0.000938 | J   | 0.0010 | 0.00025 | 0.00019 |
| 107-06-2   | 1,2-Dichloroethane          | 0.000901 | J   | 0.0010 | 0.00025 | 0.00022 |
| 540-59-0   | 1,2-Dichloroethene, Total   | 0.00185  | J   | 0.0020 | 0.00050 | 0.00034 |
| 78-87-5    | 1,2-Dichloropropane         | 0.000908 | J   | 0.0010 | 0.00025 | 0.00018 |
| 78-93-3    | 2-Butanone (MEK)            | 0.00922  | J   | 0.010  | 0.00050 | 0.00057 |
| 591-78-6   | 2-Hexanone                  | 0.00828  | J   | 0.010  | 0.00050 | 0.00041 |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | 0.00899  | J   | 0.010  | 0.00050 | 0.00032 |
| 67-64-1    | Acetone                     | 0.00910  | J   | 0.010  | 0.0010  | 0.0011  |
| 71-43-2    | Benzene                     | 0.000979 | J   | 0.0010 | 0.00025 | 0.00013 |
| 75-25-2    | Bromoform                   | 0.000679 | J ^ | 0.0010 | 0.00050 | 0.00064 |
| 74-83-9    | Bromomethane                | 0.00103  |     | 0.0010 | 0.00050 | 0.00041 |
| 75-15-0    | Carbon disulfide            | 0.00102  |     | 0.0010 | 0.00025 | 0.00013 |
| 56-23-5    | Carbon tetrachloride        | 0.000896 | J   | 0.0010 | 0.00025 | 0.00013 |
| 108-90-7   | Chlorobenzene               | 0.000910 | J   | 0.0010 | 0.00025 | 0.00015 |
| 74-87-3    | Chloromethane               | 0.000961 | J   | 0.0010 | 0.00050 | 0.00030 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.000779 | J   | 0.0010 | 0.00025 | 0.00014 |
| 124-48-1   | Dibromochloromethane        | 0.000754 | J   | 0.0010 | 0.00025 | 0.00018 |
| 75-27-4    | Bromodichloromethane        | 0.000865 | J   | 0.0010 | 0.00025 | 0.00015 |
| 100-41-4   | Ethylbenzene                | 0.000799 | J   | 0.0010 | 0.00025 | 0.00017 |
| 1634-04-4  | Methyl tert-butyl ether     | 0.000889 | J   | 0.0010 | 0.00025 | 0.00017 |
| 75-09-2    | Methylene Chloride          | 0.00105  |     | 0.0010 | 0.00050 | 0.00033 |
| 100-42-5   | Styrene                     | 0.000737 | J   | 0.0010 | 0.00025 | 0.00011 |
| 127-18-4   | Tetrachloroethene           | 0.000980 | J   | 0.0010 | 0.00050 | 0.00029 |
| 108-88-3   | Toluene                     | 0.000959 | J   | 0.0010 | 0.00025 | 0.00013 |
| 10061-02-6 | trans-1,3-Dichloropropene   | 0.000696 | J   | 0.0010 | 0.00025 | 0.00019 |
| 79-01-6    | Trichloroethene             | 0.000960 | J   | 0.0010 | 0.00025 | 0.00017 |
| 75-01-4    | Vinyl chloride              | 0.000959 | J   | 0.0010 | 0.00025 | 0.00022 |
| 1330-20-7  | Xylenes, Total              | 0.00253  |     | 0.0020 | 0.00075 | 0.00028 |
| 67-66-3    | Chloroform                  | 0.000918 | J   | 0.0010 | 0.00025 | 0.00016 |
| 74-97-5    | Bromochloromethane          | 0.000922 | J   | 0.0010 | 0.00050 | 0.00029 |
| 106-93-4   | 1,2-Dibromoethane           | 0.000879 | J   | 0.0010 | 0.00025 | 0.00024 |
| 75-00-3    | Chloroethane                | 0.000981 | J   | 0.0010 | 0.00050 | 0.00029 |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-69591/5  
Matrix: Water Lab File ID: UXX1589.D  
Analysis Method: 8260B/DoD Date Collected: \_\_\_\_\_  
Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 12:43  
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.: 69591 Units: ng/uL

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 2037-26-5  | Toluene-d8 (Surr)            | 97   |   | 50-150 |
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 88   |   | 50-150 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 97   |   | 50-150 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 99   |   | 50-150 |



TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1589.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 20-Dec-2012 12:43:30 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016059-005  
 Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 5  
 Lims Batch ID: 69591 Lims Sample ID: 5  
 Detector: MS SCAN  
 Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260\_10.m  
 Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK018

First Level Reviewer: quayler

Date: 20-Dec-2012 13:08:29

| Compound                           | Sig | RT     | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|------------------------------------|-----|--------|--------|--------|-----|----------|-----------------|-------|
| * 1 Fluorobenzene                  | 96  | 5.216  | 5.204  | 0.012  | 100 | 2138012  | 10.0            |       |
| * 2 Chlorobenzene-d5               | 117 | 7.878  | 7.879  | -0.001 | 83  | 1551915  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4         | 152 | 10.126 | 10.127 | -0.001 | 93  | 954861   | 10.0            |       |
| \$ 4 BFB                           | 95  | 2.814  | 3.747  | -0.933 | 0   | 885      | 0               |       |
| \$ 5 Dibromofluoromethane (Surr)   | 113 | 4.636  | 4.639  | -0.003 | 67  | 493227   | 9.86            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)  | 65  | 4.920  | 4.923  | -0.003 | 0   | 513998   | 8.80            |       |
| \$ 7 Toluene-d8 (Surr)             | 98  | 6.576  | 6.568  | 0.008  | 92  | 1957734  | 9.74            |       |
| \$ 8 4-Bromofluorobenzene (Surr)   | 95  | 8.990  | 8.993  | -0.003 | 96  | 687972   | 9.73            |       |
| 143 1,3-Diethylbenzene TIC         | 1   |        | 0.000  |        |     |          |                 |       |
| 9 Benzyl chloride                  | 126 |        | 0.000  |        |     |          |                 |       |
| 10 C6-C12                          | 1   |        | 0.000  |        |     |          |                 |       |
| 11 C6-C10                          | 1   |        | 0.000  |        |     |          |                 |       |
| 12 Dichlorodifluoromethane         | 85  | 1.559  | 1.562  | -0.003 | 89  | 41864    | 1.06            |       |
| 13 Chloromethane                   | 50  | 1.701  | 1.693  | 0.008  | 96  | 67847    | 0.9615          |       |
| 14 Vinyl chloride                  | 62  | 1.796  | 1.799  | -0.003 | 82  | 67311    | 0.9590          |       |
| 15 Chlorodifluoromethane TIC       | 1   |        | 1.900  |        |     |          |                 |       |
| 16 Bromomethane                    | 94  | 2.092  | 2.095  | -0.003 | 82  | 34056    | 1.03            |       |
| 17 Chloroethane                    | 64  | 2.175  | 2.178  | -0.003 | 78  | 40135    | 0.9813          |       |
| 18 Dichlorofluoromethane           | 67  |        | 2.329  |        |     |          |                 |       |
| 19 Trichlorofluoromethane          | 101 | 2.399  | 2.391  | 0.008  | 84  | 54357    | 0.9574          |       |
| 20 Ethyl ether                     | 59  |        | 2.613  |        |     |          |                 | 9     |
| 21 Acrolein                        | 56  | 2.707  | 2.710  | -0.003 | 86  | 51028    | 7.96            |       |
| 23 1,1-Dichloroethene              | 96  | 2.814  | 2.817  | -0.003 | 94  | 50830    | 0.9381          |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoro | 151 | 2.837  | 2.829  | 0.008  | 70  | 49240    | 1.16            |       |
| 24 Acetone                         | 43  | 2.825  | 2.829  | -0.004 | 99  | 123738   | 9.10            |       |
| 22 Methylal                        | 45  |        | 2.851  |        |     |          |                 |       |
| 26 Iodomethane                     | 142 | 2.944  | 2.947  | -0.003 | 93  | 86952    | 1.01            |       |
| 27 Carbon disulfide                | 76  | 3.015  | 3.006  | 0.009  | 98  | 168643   | 1.02            |       |
| 28 Acetonitrile                    | 41  | 3.050  | 3.053  | -0.003 | 97  | 41867    | 10.9            |       |
| 30 Methyl acetate                  | 43  | 3.109  | 3.101  | 0.008  | 87  | 71895    | 1.80            |       |

| Compound                       | Sig | RT    | EXP RT | DLT RT | Q  | Response | On-Col Amt ug/l | Flags |
|--------------------------------|-----|-------|--------|--------|----|----------|-----------------|-------|
| 29 3-Chloro-1-propene          | 76  |       | 3.110  |        |    |          |                 | 9     |
| 31 Methylene Chloride          | 84  | 3.204 | 3.195  | 0.009  | 82 | 114307   | 1.05            |       |
| 32 2-Methyl-2-propanol         | 59  | 3.263 | 3.266  | -0.003 | 92 | 46092    | 18.8            |       |
| 33 Acrylonitrile               | 53  | 3.382 | 3.385  | -0.003 | 73 | 30530    | 1.62            |       |
| 34 trans-1,2-Dichloroethene    | 96  | 3.441 | 3.432  | 0.009  | 73 | 54866    | 0.9345          |       |
| 35 Methyl tert-butyl ether     | 73  | 3.429 | 3.432  | -0.003 | 89 | 128228   | 0.8894          |       |
| 36 Hexane                      | 86  | 3.666 | 3.669  | -0.003 | 88 | 11828    | 1.01            |       |
| 37 1,1-Dichloroethane          | 63  | 3.772 | 3.775  | -0.003 | 81 | 83940    | 0.8648          |       |
| 38 Vinyl acetate               | 86  | 3.808 | 3.799  | 0.009  | 96 | 6146     | 0.7413          |       |
| 39 Isopropyl ether             | 87  |       | 3.832  |        |    |          |                 | 9     |
| 40 2-Chloro-1,3-butadiene      | 53  |       | 3.856  |        |    |          |                 |       |
| 41 Tert-butyl ethyl ether      | 59  |       | 4.128  |        |    |          |                 |       |
| 43 cis-1,2-Dichloroethene      | 96  | 4.245 | 4.248  | -0.003 | 76 | 56876    | 0.9140          |       |
| 42 2-Butanone (MEK)            | 43  | 4.245 | 4.248  | -0.003 | 98 | 180601   | 9.22            |       |
| 44 2,2-Dichloropropane         | 77  | 4.257 | 4.260  | -0.003 | 91 | 50343    | 1.00            |       |
| 45 Propionitrile               | 54  |       | 4.293  |        |    |          |                 |       |
| 46 Ethyl acetate               | 43  | 4.245 | 4.293  | -0.048 | 65 | 180601   | 4.96            |       |
| 47 Methacrylonitrile           | 41  |       | 4.424  |        |    |          |                 | 9     |
| 48 Chlorobromomethane          | 128 | 4.447 | 4.450  | -0.003 | 78 | 28202    | 0.9215          |       |
| 50 Chloroform                  | 83  | 4.506 | 4.497  | 0.009  | 68 | 89974    | 0.9176          |       |
| 49 Tetrahydrofuran             | 42  | 4.506 | 4.497  | 0.009  | 27 | 12159    | 0.8911          |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.683 | 4.686  | -0.003 | 88 | 68718    | 0.9653          |       |
| 52 Cyclohexane                 | 56  | 4.742 | 4.745  | -0.003 | 87 | 86382    | 0.9669          |       |
| 53 1,1-Dichloropropene         | 75  | 4.813 | 4.816  | -0.003 | 90 | 67429    | 0.9357          |       |
| 54 Carbon tetrachloride        | 117 | 4.825 | 4.828  | -0.003 | 83 | 55557    | 0.8958          |       |
| 55 Isobutyl alcohol            | 41  |       | 4.850  |        |    |          |                 | 9     |
| 57 Benzene                     | 78  | 4.991 | 4.982  | 0.009  | 92 | 228105   | 0.9787          |       |
| 56 1,2-Dichloroethane          | 62  | 4.979 | 4.982  | -0.003 | 40 | 61594    | 0.9009          |       |
| 58 Tert-amyl methyl ether      | 73  |       | 5.062  |        |    |          |                 | 9     |
| 59 n-Heptane                   | 100 |       | 5.204  |        |    |          |                 |       |
| 60 n-Butanol                   | 56  |       | 5.406  |        |    |          |                 |       |
| 61 Trichloroethene             | 130 | 5.523 | 5.526  | -0.003 | 89 | 57121    | 0.9601          |       |
| 62 Ethyl acrylate              | 55  |       | 5.605  |        |    |          |                 | 9     |
| 64 1,2-Dichloropropane         | 63  | 5.713 | 5.704  | 0.009  | 75 | 46646    | 0.9078          |       |
| 63 Methylcyclohexane           | 83  | 5.701 | 5.704  | -0.003 | 87 | 75198    | 0.9601          |       |
| 65 Methyl methacrylate         | 41  |       | 5.784  |        |    |          |                 | 9     |
| 66 Dibromomethane              | 93  | 5.807 | 5.810  | -0.003 | 76 | 28714    | 0.9394          |       |
| 67 1,4-Dioxane                 | 88  | 5.807 | 5.810  | -0.003 | 1  | 8854     | 28.4            |       |
| 68 Dichlorobromomethane        | 83  | 5.926 | 5.929  | -0.003 | 88 | 54976    | 0.8650          |       |
| 69 2-Nitropropane              | 41  |       | 6.116  |        |    |          |                 | 9     |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.174 | 6.177  | -0.003 | 82 | 37874    | 1.42            |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.316 | 6.319  | -0.003 | 72 | 56790    | 0.7790          |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.446 | 6.449  | -0.003 | 96 | 355851   | 8.99            |       |
| 73 Toluene                     | 91  | 6.636 | 6.627  | 0.009  | 96 | 238051   | 0.9591          |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.801 | 6.804  | -0.003 | 84 | 45810    | 0.6964          |       |
| 75 Ethyl methacrylate          | 69  | 6.872 | 6.875  | -0.003 | 78 | 39885    | 1.07            |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.967 | 6.970  | -0.003 | 83 | 43018    | 0.8937          |       |
| 77 1,3-Dichloropropane         | 76  | 7.121 | 7.124  | -0.003 | 81 | 71261    | 0.8524          |       |
| 78 Tetrachloroethene           | 164 | 7.133 | 7.136  | -0.003 | 95 | 49746    | 0.9795          |       |
| 79 2-Hexanone                  | 43  | 7.192 | 7.183  | 0.009  | 95 | 226888   | 8.28            |       |
| 80 n-Butyl acetate             | 56  |       | 7.299  |        |    |          |                 |       |
| 81 Chlorodibromomethane        | 129 | 7.334 | 7.337  | -0.003 | 72 | 37124    | 0.7542          |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 82 Tetrahydrothiophene           | 60  |        | 7.346     |           |     |          |                    |       |
| 83 Ethylene Dibromide            | 107 | 7.452  | 7.455     | -0.003    | 83  | 41604    | 0.8786             |       |
| 84 1-Chlorohexane                | 91  |        | 7.779     |           |     |          |                    |       |
| 85 Chlorobenzene                 | 112 | 7.914  | 7.905     | 0.009     | 95  | 148512   | 0.9099             |       |
| 86 1,1,1,2-Tetrachloroethane     | 131 | 7.985  | 7.976     | 0.009     | 78  | 44541    | 0.7984             |       |
| 87 Ethylbenzene                  | 106 | 8.008  | 8.011     | -0.003    | 97  | 66579    | 0.7986             |       |
| 88 m-Xylene & p-Xylene           | 106 | 8.115  | 8.118     | -0.003    | 99  | 174991   | 1.66               |       |
| 89 o-Xylene                      | 106 | 8.493  | 8.496     | -0.003    | 89  | 88176    | 0.8691             |       |
| 90 Styrene                       | 104 | 8.505  | 8.508     | -0.003    | 90  | 122925   | 0.7373             |       |
| 91 Bromoform                     | 173 | 8.683  | 8.686     | -0.003    | 86  | 21725    | 0.6790             |       |
| 92 Isopropylbenzene              | 105 | 8.848  | 8.851     | -0.003    | 92  | 194741   | 0.7895             |       |
| 93 1,4-Dichlorobutane            | 55  |        | 8.931     |           |     |          |                    | 9     |
| 94 Cyclohexanone                 | 55  | 8.931  | 8.932     | -0.001    | 75  | 40990    | 7.79               |       |
| 95 1,1,2,2-Tetrachloroethane     | 83  | 9.109  | 9.112     | -0.003    | 89  | 63165    | 0.9280             |       |
| 96 Bromobenzene                  | 156 | 9.144  | 9.147     | -0.003    | 90  | 69296    | 0.9516             |       |
| 97 1,2,3-Trichloropropane        | 110 | 9.168  | 9.159     | 0.009     | 67  | 17678    | 0.7988             |       |
| 98 trans-1,4-Dichloro-2-butene   | 53  | 9.168  | 9.171     | -0.003    | 50  | 5890     | 0.3500             |       |
| 99 N-Propylbenzene               | 120 | 9.251  | 9.242     | 0.009     | 95  | 59683    | 0.8472             |       |
| 100 2-Chlorotoluene              | 126 | 9.334  | 9.337     | -0.003    | 95  | 58261    | 0.8734             |       |
| 101 1,3,5-Trimethylbenzene       | 105 | 9.416  | 9.419     | -0.003    | 90  | 171518   | 0.8449             |       |
| 102 4-Chlorotoluene              | 126 | 9.440  | 9.443     | -0.003    | 95  | 60799    | 0.8560             |       |
| 103 tert-Butylbenzene            | 119 | 9.736  | 9.739     | -0.003    | 86  | 156898   | 0.8634             |       |
| 104 1,2,4-Trimethylbenzene       | 105 | 9.783  | 9.786     | -0.003    | 69  | 166600   | 0.7989             |       |
| 105 sec-Butylbenzene             | 105 | 9.949  | 9.952     | -0.003    | 88  | 193405   | 0.8524             |       |
| 106 1,3-Dichlorobenzene          | 146 | 10.067 | 10.070    | -0.003    | 93  | 137849   | 1.02               |       |
| 107 4-Isopropyltoluene           | 119 | 10.091 | 10.094    | -0.003    | 91  | 158478   | 0.8196             |       |
| 108 1,4-Dichlorobenzene          | 146 | 10.150 | 10.153    | -0.003    | 90  | 143479   | 0.9834             |       |
| 109 1,2,3-Trimethylbenzene       | 105 |        | 10.198    |           |     |          |                    | 9     |
| 110 n-Butylbenzene               | 91  | 10.505 | 10.496    | 0.009     | 93  | 144577   | 0.9363             |       |
| 111 1,2-Dichlorobenzene          | 146 | 10.517 | 10.520    | -0.003    | 96  | 134010   | 1.04               |       |
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.286 | 11.289    | -0.003    | 43  | 11620    | 1.14               |       |
| 113 1,3,5-Trichlorobenzene       | 180 | 11.511 | 11.514    | -0.003    | 89  | 65149    | 0.9237             |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.126 | 12.129    | -0.003    | 87  | 89017    | 1.46               |       |
| 115 Hexachlorobutadiene          | 225 | 12.304 | 12.307    | -0.003    | 87  | 50706    | 1.68               |       |
| 116 Naphthalene                  | 128 | 12.375 | 12.378    | -0.003    | 100 | 216255   | 1.46               |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.623 | 12.626    | -0.003    | 96  | 98373    | 1.65               |       |
| 118 2-Methylnaphthalene          | 142 | 13.676 | 13.689    | -0.013    | 52  | 8991     | 0.1366             |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0   |          | 3.22               |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0   |          | 1.85               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0   |          | 1.48               |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0   |          | 2.53               |       |
| T 123 Butyl Methacrylate TIC     | 1   |        | 9.400     |           |     |          |                    | 1     |
| T 124 Hexachloroethane TIC       | 1   |        | 10.700    |           |     |          |                    | 1     |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

9 - Failed A Reference Spectral Test

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121220-16059.b\UXX1589.D

Injection Date: 20-Dec-2012 12:43:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 69591

Lims Sample ID: 5

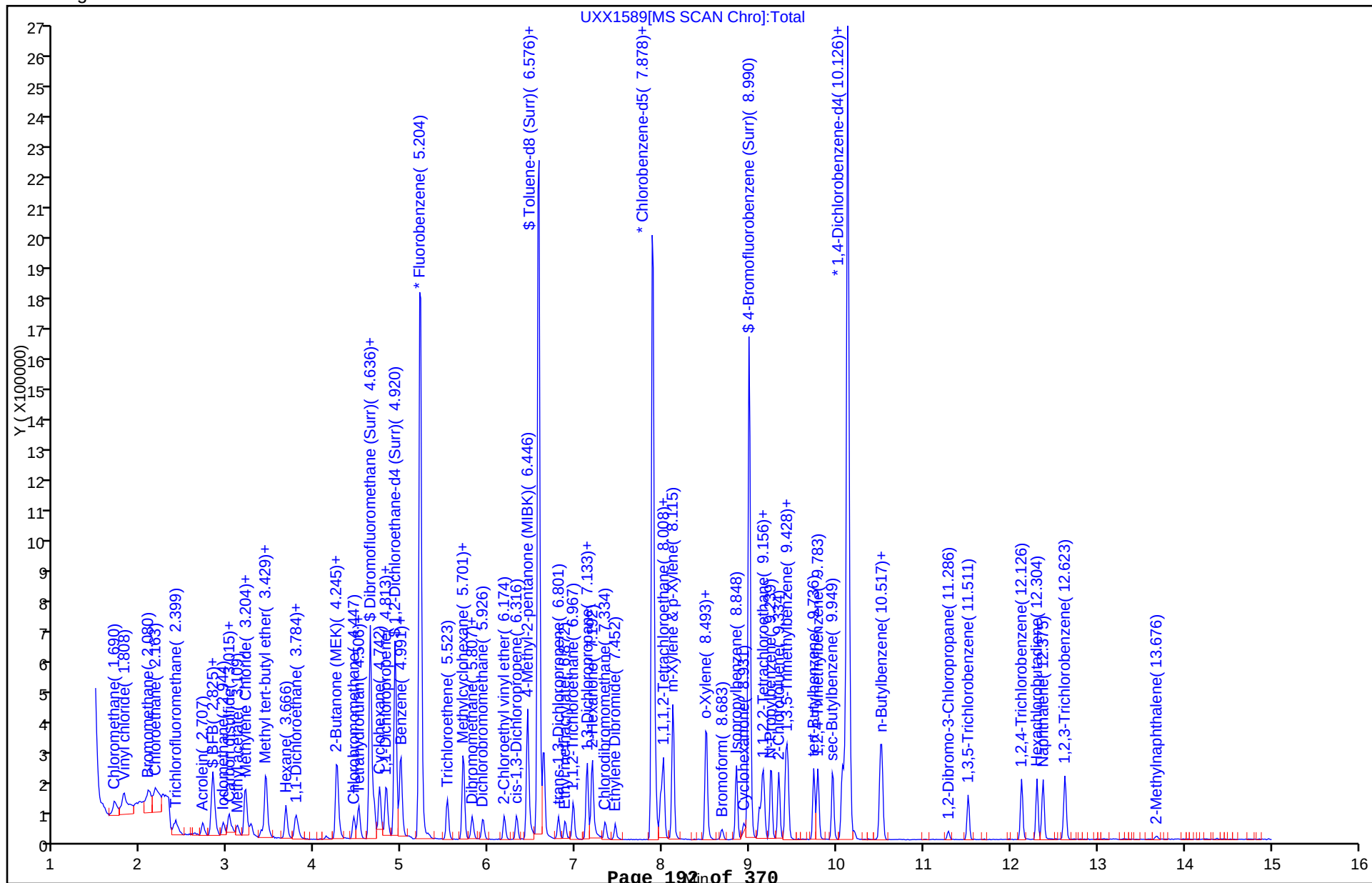
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-69591/18

Matrix: Water Lab File ID: UXX1602.D

Analysis Method: 8260B/DoD Date Collected: \_\_\_\_\_

Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 17:42

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.: 69591 Units: ng/uL

| CAS NO.    | COMPOUND NAME               | RESULT   | Q   | LOQ    | LOD     | DL      |
|------------|-----------------------------|----------|-----|--------|---------|---------|
| 71-55-6    | 1,1,1-Trichloroethane       | 0.000975 | J   | 0.0010 | 0.00025 | 0.00022 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 0.000914 | J   | 0.0010 | 0.00025 | 0.00018 |
| 79-00-5    | 1,1,2-Trichloroethane       | 0.000955 | J   | 0.0010 | 0.00050 | 0.00027 |
| 75-34-3    | 1,1-Dichloroethane          | 0.000967 | J   | 0.0010 | 0.00025 | 0.00015 |
| 75-35-4    | 1,1-Dichloroethene          | 0.000977 | J   | 0.0010 | 0.00025 | 0.00019 |
| 107-06-2   | 1,2-Dichloroethane          | 0.00101  |     | 0.0010 | 0.00025 | 0.00022 |
| 540-59-0   | 1,2-Dichloroethene, Total   | 0.00193  | J   | 0.0020 | 0.00050 | 0.00034 |
| 78-87-5    | 1,2-Dichloropropane         | 0.000992 | J   | 0.0010 | 0.00025 | 0.00018 |
| 78-93-3    | 2-Butanone (MEK)            | 0.00903  | J   | 0.010  | 0.00050 | 0.00057 |
| 591-78-6   | 2-Hexanone                  | 0.00856  | J   | 0.010  | 0.00050 | 0.00041 |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | 0.00853  | J   | 0.010  | 0.00050 | 0.00032 |
| 67-64-1    | Acetone                     | 0.00944  | J   | 0.010  | 0.0010  | 0.0011  |
| 71-43-2    | Benzene                     | 0.00101  |     | 0.0010 | 0.00025 | 0.00013 |
| 75-25-2    | Bromoform                   | 0.000816 | J   | 0.0010 | 0.00050 | 0.00064 |
| 74-83-9    | Bromomethane                | 0.00119  |     | 0.0010 | 0.00050 | 0.00041 |
| 75-15-0    | Carbon disulfide            | 0.00103  |     | 0.0010 | 0.00025 | 0.00013 |
| 56-23-5    | Carbon tetrachloride        | 0.000881 | J   | 0.0010 | 0.00025 | 0.00013 |
| 108-90-7   | Chlorobenzene               | 0.000975 | J   | 0.0010 | 0.00025 | 0.00015 |
| 74-87-3    | Chloromethane               | 0.00109  |     | 0.0010 | 0.00050 | 0.00030 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 0.000806 | J   | 0.0010 | 0.00025 | 0.00014 |
| 124-48-1   | Dibromochloromethane        | 0.000871 | J   | 0.0010 | 0.00025 | 0.00018 |
| 75-27-4    | Bromodichloromethane        | 0.000940 | J   | 0.0010 | 0.00025 | 0.00015 |
| 100-41-4   | Ethylbenzene                | 0.000912 | J   | 0.0010 | 0.00025 | 0.00017 |
| 1634-04-4  | Methyl tert-butyl ether     | 0.000923 | J   | 0.0010 | 0.00025 | 0.00017 |
| 75-09-2    | Methylene Chloride          | 0.000617 | J ^ | 0.0010 | 0.00050 | 0.00033 |
| 100-42-5   | Styrene                     | 0.000787 | J   | 0.0010 | 0.00025 | 0.00011 |
| 127-18-4   | Tetrachloroethene           | 0.000921 | J   | 0.0010 | 0.00050 | 0.00029 |
| 108-88-3   | Toluene                     | 0.00100  |     | 0.0010 | 0.00025 | 0.00013 |
| 10061-02-6 | trans-1,3-Dichloropropene   | 0.000735 | J   | 0.0010 | 0.00025 | 0.00019 |
| 79-01-6    | Trichloroethene             | 0.00104  |     | 0.0010 | 0.00025 | 0.00017 |
| 75-01-4    | Vinyl chloride              | 0.00107  |     | 0.0010 | 0.00025 | 0.00022 |
| 1330-20-7  | Xylenes, Total              | 0.00250  |     | 0.0020 | 0.00075 | 0.00028 |
| 67-66-3    | Chloroform                  | 0.000952 | J   | 0.0010 | 0.00025 | 0.00016 |
| 74-97-5    | Bromochloromethane          | 0.00106  |     | 0.0010 | 0.00050 | 0.00029 |
| 106-93-4   | 1,2-Dibromoethane           | 0.000923 | J   | 0.0010 | 0.00025 | 0.00024 |
| 75-00-3    | Chloroethane                | 0.00118  |     | 0.0010 | 0.00050 | 0.00029 |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-69591/18  
Matrix: Water Lab File ID: UXX1602.D  
Analysis Method: 8260B/DoD Date Collected: \_\_\_\_\_  
Sample wt/vol: 5(mL) Date Analyzed: 12/20/2012 17:42  
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.: 69591 Units: ng/uL

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 2037-26-5  | Toluene-d8 (Surr)            | 99   |   | 50-150 |
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92   |   | 50-150 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 101  |   | 50-150 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 98   |   | 50-150 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121220-16059.b\UXX1602.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 20-Dec-2012 17:42:30 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016059-018  
 Misc. Info.: P21220A,8260LLUX10,,1904 =P21220A,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 18  
 Lims Batch ID: 69591 Lims Sample ID: 18  
 Detector: MS SCAN  
 Method: \\NCChrom\ChromData\A3UX10\20121220-16059.b\8260\_10.m  
 Last Update: 21-Dec-2012 08:34:47 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK018

First Level Reviewer: quayler

Date: 21-Dec-2012 07:44:55

| Compound                            | Sig | RT     | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|-------------------------------------|-----|--------|--------|--------|-----|----------|-----------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.216  | 5.204  | 0.012  | 100 | 2120462  | 10.0            |       |
| * 2 Chlorobenzene-d5                | 117 | 7.890  | 7.879  | 0.011  | 81  | 1482662  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.126 | 10.127 | -0.001 | 92  | 945938   | 10.0            |       |
| \$ 4 BFB                            | 95  | 3.441  | 3.747  | -0.306 | 0   | 2055     | 0               |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.636  | 4.639  | -0.003 | 66  | 487920   | 9.83            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.920  | 4.923  | -0.003 | 0   | 534959   | 9.23            |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.576  | 6.568  | 0.008  | 92  | 1907042  | 9.93            |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.990  | 8.993  | -0.003 | 96  | 681672   | 10.1            |       |
| 143 1,3-Diethylbenzene TIC          | 1   |        | 0.000  |        |     |          |                 |       |
| 9 Benzyl chloride                   | 126 |        | 0.000  |        |     |          |                 |       |
| 10 C6-C12                           | 1   |        | 0.000  |        |     |          |                 |       |
| 11 C6-C10                           | 1   |        | 0.000  |        |     |          |                 |       |
| 12 Dichlorodifluoromethane          | 85  | 1.571  | 1.562  | 0.009  | 73  | 37093    | 0.9462          |       |
| 13 Chloromethane                    | 50  | 1.701  | 1.693  | 0.008  | 95  | 76414    | 1.09            |       |
| 14 Vinyl chloride                   | 62  | 1.796  | 1.799  | -0.003 | 70  | 74777    | 1.07            |       |
| 15 Chlorodifluoromethane TIC        | 1   |        | 1.900  |        |     |          |                 |       |
| 16 Bromomethane                     | 94  | 2.080  | 2.095  | -0.015 | 81  | 38738    | 1.19            |       |
| 17 Chloroethane                     | 64  | 2.175  | 2.178  | -0.003 | 78  | 47890    | 1.18            |       |
| 18 Dichlorofluoromethane            | 67  |        | 2.329  |        |     |          |                 | 9     |
| 19 Trichlorofluoromethane           | 101 | 2.399  | 2.391  | 0.008  | 83  | 59816    | 1.06            |       |
| 20 Ethyl ether                      | 59  |        | 2.613  |        |     |          |                 |       |
| 21 Acrolein                         | 56  | 2.707  | 2.710  | -0.003 | 85  | 51690    | 8.13            |       |
| 23 1,1-Dichloroethene               | 96  | 2.814  | 2.817  | -0.003 | 84  | 52495    | 0.9768          |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.837  | 2.829  | 0.008  | 52  | 34730    | 0.8276          |       |
| 24 Acetone                          | 43  | 2.837  | 2.829  | 0.008  | 97  | 126858   | 9.44            |       |
| 22 Methylal                         | 45  |        | 2.851  |        |     |          |                 | 9     |
| 26 Iodomethane                      | 142 | 2.944  | 2.947  | -0.003 | 96  | 87838    | 1.03            |       |
| 27 Carbon disulfide                 | 76  | 3.015  | 3.006  | 0.009  | 100 | 169047   | 1.03            |       |
| 28 Acetonitrile                     | 41  | 3.050  | 3.053  | -0.003 | 92  | 50761    | 13.4            |       |
| 30 Methyl acetate                   | 43  | 3.109  | 3.101  | 0.008  | 95  | 78638    | 1.98            |       |

| Compound                       | Sig | RT    | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|--------------------------------|-----|-------|--------|--------|-----|----------|-----------------|-------|
| 29 3-Chloro-1-propene          | 76  |       | 3.110  |        |     |          |                 | 9     |
| 31 Methylene Chloride          | 84  | 3.204 | 3.195  | 0.009  | 86  | 88473    | 0.6172          |       |
| 32 2-Methyl-2-propanol         | 59  | 3.263 | 3.266  | -0.003 | 91  | 51158    | 21.0            |       |
| 33 Acrylonitrile               | 53  | 3.393 | 3.385  | 0.008  | 91  | 35851    | 1.92            |       |
| 34 trans-1,2-Dichloroethene    | 96  | 3.441 | 3.432  | 0.009  | 72  | 56757    | 0.9748          |       |
| 35 Methyl tert-butyl ether     | 73  | 3.441 | 3.432  | 0.009  | 88  | 131917   | 0.9225          |       |
| 36 Hexane                      | 86  | 3.677 | 3.669  | 0.008  | 84  | 8088     | 0.6981          |       |
| 37 1,1-Dichloroethane          | 63  | 3.772 | 3.775  | -0.003 | 89  | 93111    | 0.9672          |       |
| 38 Vinyl acetate               | 86  | 3.808 | 3.799  | 0.009  | 96  | 6210     | 0.7553          |       |
| 39 Isopropyl ether             | 87  | 3.831 | 3.832  | -0.001 | 86  | 9834     | 0.2029          |       |
| 40 2-Chloro-1,3-butadiene      | 53  |       | 3.856  |        |     |          |                 | 9     |
| 41 Tert-butyl ethyl ether      | 59  |       | 4.128  |        |     |          |                 | 9     |
| 43 cis-1,2-Dichloroethene      | 96  | 4.257 | 4.248  | 0.009  | 76  | 58942    | 0.9551          |       |
| 42 2-Butanone (MEK)            | 43  | 4.245 | 4.248  | -0.003 | 100 | 175543   | 9.03            |       |
| 44 2,2-Dichloropropane         | 77  | 4.257 | 4.260  | -0.003 | 83  | 48086    | 0.9605          |       |
| 45 Propionitrile               | 54  |       | 4.293  |        |     |          |                 |       |
| 46 Ethyl acetate               | 43  | 4.245 | 4.293  | -0.048 | 82  | 183005   | 5.06            |       |
| 47 Methacrylonitrile           | 41  |       | 4.424  |        |     |          |                 | 9     |
| 48 Chlorobromomethane          | 128 | 4.446 | 4.450  | -0.004 | 76  | 32247    | 1.06            |       |
| 50 Chloroform                  | 83  | 4.506 | 4.497  | 0.009  | 64  | 92598    | 0.9522          |       |
| 49 Tetrahydrofuran             | 42  | 4.494 | 4.497  | -0.003 | 30  | 11326    | 0.8369          |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.683 | 4.686  | -0.003 | 90  | 68843    | 0.9751          |       |
| 52 Cyclohexane                 | 56  | 4.742 | 4.745  | -0.003 | 85  | 66181    | 0.7469          |       |
| 53 1,1-Dichloropropene         | 75  | 4.813 | 4.816  | -0.003 | 90  | 65870    | 0.9216          |       |
| 54 Carbon tetrachloride        | 117 | 4.825 | 4.828  | -0.003 | 78  | 54219    | 0.8815          |       |
| 55 Isobutyl alcohol            | 41  |       | 4.850  |        |     |          |                 | 9     |
| 57 Benzene                     | 78  | 4.991 | 4.982  | 0.009  | 92  | 234239   | 1.01            |       |
| 56 1,2-Dichloroethane          | 62  | 4.991 | 4.982  | 0.009  | 48  | 68171    | 1.01            |       |
| 58 Tert-amyl methyl ether      | 73  |       | 5.062  |        |     |          |                 |       |
| 59 n-Heptane                   | 100 |       | 5.204  |        |     |          |                 |       |
| 60 n-Butanol                   | 56  |       | 5.406  |        |     |          |                 | 9     |
| 61 Trichloroethene             | 130 | 5.523 | 5.526  | -0.003 | 87  | 61512    | 1.04            |       |
| 62 Ethyl acrylate              | 55  |       | 5.605  |        |     |          |                 | 9     |
| 64 1,2-Dichloropropane         | 63  | 5.701 | 5.704  | -0.003 | 79  | 50576    | 0.99            |       |
| 63 Methylcyclohexane           | 83  | 5.701 | 5.704  | -0.003 | 82  | 53943    | 0.6944          |       |
| 65 Methyl methacrylate         | 41  |       | 5.784  |        |     |          |                 | 9     |
| 66 Dibromomethane              | 93  | 5.807 | 5.810  | -0.003 | 84  | 28887    | 0.9529          |       |
| 67 1,4-Dioxane                 | 88  | 5.819 | 5.810  | 0.009  | 19  | 11533    | 37.2            |       |
| 68 Dichlorobromomethane        | 83  | 5.926 | 5.929  | -0.003 | 91  | 59230    | 0.9396          |       |
| 69 2-Nitropropane              | 41  |       | 6.116  |        |     |          |                 | 9     |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.174 | 6.177  | -0.003 | 82  | 37799    | 1.43            |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.316 | 6.319  | -0.003 | 72  | 58287    | 0.8062          |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.446 | 6.449  | -0.003 | 95  | 334561   | 8.53            |       |
| 73 Toluene                     | 91  | 6.636 | 6.627  | 0.009  | 91  | 237457   | 1.00            |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.801 | 6.804  | -0.003 | 86  | 46213    | 0.7353          |       |
| 75 Ethyl methacrylate          | 69  | 6.872 | 6.875  | -0.003 | 79  | 40788    | 1.12            |       |
| 76 1,1,2-Trichloroethane       | 97  | 6.967 | 6.970  | -0.003 | 83  | 43923    | 0.9552          |       |
| 77 1,3-Dichloropropane         | 76  | 7.121 | 7.124  | -0.003 | 82  | 70543    | 0.8833          |       |
| 78 Tetrachloroethene           | 164 | 7.133 | 7.136  | -0.003 | 91  | 44686    | 0.9210          |       |
| 79 2-Hexanone                  | 43  | 7.192 | 7.183  | 0.009  | 97  | 224026   | 8.56            |       |
| 80 n-Butyl acetate             | 56  |       | 7.299  |        |     |          |                 | 9     |
| 81 Chlorodibromomethane        | 129 | 7.334 | 7.337  | -0.003 | 74  | 40953    | 0.8709          |       |



| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 82 Tetrahydrothiophene           | 60  |        | 7.346     |           |     |          |                    |       |
| 83 Ethylene Dibromide            | 107 | 7.452  | 7.455     | -0.003    | 83  | 41744    | 0.9228             |       |
| 84 1-Chlorohexane                | 91  |        | 7.779     |           |     |          |                    | 9     |
| 85 Chlorobenzene                 | 112 | 7.913  | 7.905     | 0.008     | 96  | 152063   | 0.9751             |       |
| 86 1,1,1,2-Tetrachloroethane     | 131 | 7.984  | 7.976     | 0.008     | 79  | 46796    | 0.8780             |       |
| 87 Ethylbenzene                  | 106 | 8.008  | 8.011     | -0.003    | 96  | 72678    | 0.9125             |       |
| 88 m-Xylene & p-Xylene           | 106 | 8.115  | 8.118     | -0.003    | 98  | 166058   | 1.65               |       |
| 89 o-Xylene                      | 106 | 8.493  | 8.496     | -0.003    | 90  | 82028    | 0.8463             |       |
| 90 Styrene                       | 104 | 8.505  | 8.508     | -0.003    | 90  | 125346   | 0.7869             |       |
| 91 Bromoform                     | 173 | 8.683  | 8.686     | -0.003    | 86  | 24939    | 0.8159             |       |
| 92 Isopropylbenzene              | 105 | 8.848  | 8.851     | -0.003    | 92  | 189686   | 0.8050             |       |
| 93 1,4-Dichlorobutane            | 55  |        | 8.931     |           |     |          |                    | 9     |
| 94 Cyclohexanone                 | 55  |        | 8.932     |           |     |          |                    | 9     |
| 95 1,1,2,2-Tetrachloroethane     | 83  | 9.109  | 9.112     | -0.003    | 85  | 61619    | 0.9138             |       |
| 96 Bromobenzene                  | 156 | 9.144  | 9.147     | -0.003    | 87  | 68632    | 0.9514             |       |
| 97 1,2,3-Trichloropropane        | 110 | 9.168  | 9.159     | 0.009     | 65  | 18716    | 0.8537             |       |
| 98 trans-1,4-Dichloro-2-butene   | 53  | 9.168  | 9.171     | -0.003    | 64  | 9721     | 0.5830             |       |
| 99 N-Propylbenzene               | 120 | 9.251  | 9.242     | 0.009     | 96  | 58328    | 0.8358             |       |
| 100 2-Chlorotoluene              | 126 | 9.333  | 9.337     | -0.004    | 96  | 57686    | 0.8729             |       |
| 101 1,3,5-Trimethylbenzene       | 105 | 9.416  | 9.419     | -0.003    | 92  | 156485   | 0.7781             |       |
| 102 4-Chlorotoluene              | 126 | 9.440  | 9.443     | -0.003    | 97  | 65539    | 0.9314             |       |
| 103 tert-Butylbenzene            | 119 | 9.736  | 9.739     | -0.003    | 88  | 153279   | 0.8514             |       |
| 104 1,2,4-Trimethylbenzene       | 105 | 9.783  | 9.786     | -0.003    | 93  | 163342   | 0.7907             |       |
| 105 sec-Butylbenzene             | 105 | 9.961  | 9.952     | 0.009     | 85  | 175510   | 0.7808             |       |
| 106 1,3-Dichlorobenzene          | 146 | 10.067 | 10.070    | -0.003    | 94  | 131158   | 0.9843             |       |
| 107 4-Isopropyltoluene           | 119 | 10.091 | 10.094    | -0.003    | 92  | 155604   | 0.8124             |       |
| 108 1,4-Dichlorobenzene          | 146 | 10.150 | 10.153    | -0.003    | 77  | 150002   | 1.04               |       |
| 109 1,2,3-Trimethylbenzene       | 105 |        | 10.198    |           |     |          |                    | 9     |
| 110 n-Butylbenzene               | 91  | 10.505 | 10.496    | 0.009     | 93  | 124237   | 0.8121             |       |
| 111 1,2-Dichlorobenzene          | 146 | 10.529 | 10.520    | 0.009     | 95  | 128416   | 1.00               |       |
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.286 | 11.289    | -0.003    | 36  | 9289     | 0.9228             |       |
| 113 1,3,5-Trichlorobenzene       | 180 | 11.511 | 11.514    | -0.003    | 90  | 64288    | 0.9201             |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.126 | 12.129    | -0.003    | 85  | 78451    | 1.30               |       |
| 115 Hexachlorobutadiene          | 225 | 12.303 | 12.307    | -0.004    | 85  | 47228    | 1.58               |       |
| 116 Naphthalene                  | 128 | 12.374 | 12.378    | -0.004    | 100 | 181925   | 1.24               |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.623 | 12.626    | -0.003    | 98  | 89001    | 1.51               |       |
| 118 2-Methylnaphthalene          | 142 |        | 13.689    |           |     |          |                    |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0   |          | 3.58               |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0   |          | 1.93               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0   |          | 1.54               |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0   |          | 2.49               |       |
| T 123 Butyl Methacrylate TIC     | 1   |        | 9.400     |           |     |          |                    | 1     |
| T 124 Hexachloroethane TIC       | 1   |        | 10.700    |           |     |          |                    | 1     |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

9 - Failed A Reference Spectral Test

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20121220-16059.b\UXX1602.D

Injection Date: 20-Dec-2012 17:42:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 69591

Lims Sample ID: 18

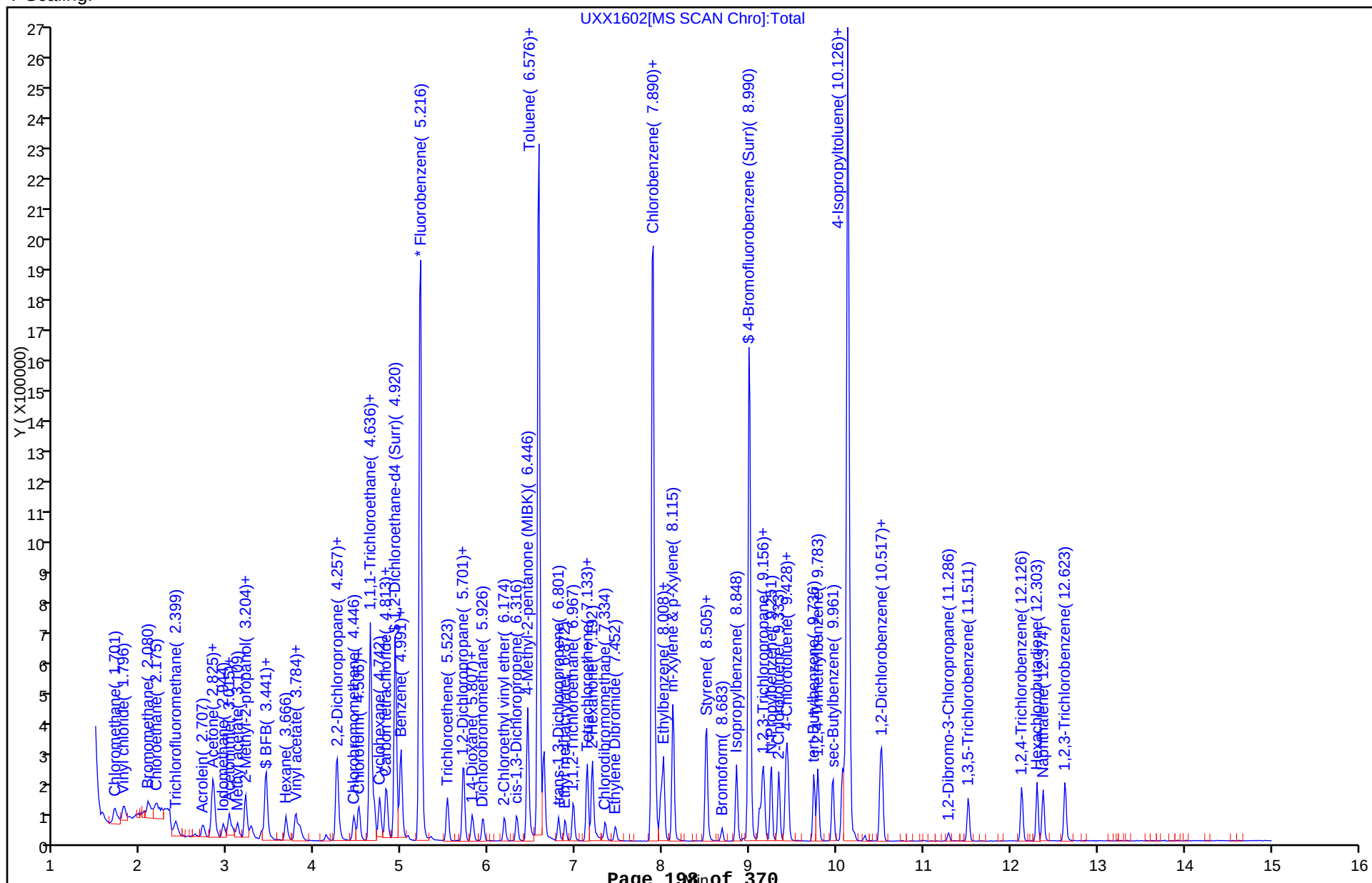
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: 070-0058-0001-IDW MS Lab Sample ID: 240-18735-5 MS  
 Matrix: Solid (TCLP) Lab File ID: UXX1990.D  
 Analysis Method: 8260B/DoD Date Collected: 12/12/2012 13:30  
 Sample wt/vol: 0.2 (mL) Date Analyzed: 01/02/2013 16:24  
 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.: 70888 Units: mg/L

| CAS NO.  | COMPOUND NAME        | RESULT | Q | LOQ   | LOD   | DL     |
|----------|----------------------|--------|---|-------|-------|--------|
| 75-35-4  | 1,1-Dichloroethene   | 0.259  |   | 0.025 | 0.013 | 0.0095 |
| 107-06-2 | 1,2-Dichloroethane   | 0.255  |   | 0.025 | 0.013 | 0.011  |
| 78-93-3  | 2-Butanone (MEK)     | 0.496  |   | 0.25  | 0.025 | 0.029  |
| 71-43-2  | Benzene              | 0.257  |   | 0.025 | 0.013 | 0.0065 |
| 56-23-5  | Carbon tetrachloride | 0.265  |   | 0.025 | 0.013 | 0.0065 |
| 108-90-7 | Chlorobenzene        | 0.247  |   | 0.025 | 0.013 | 0.0075 |
| 127-18-4 | Tetrachloroethene    | 0.248  |   | 0.025 | 0.025 | 0.015  |
| 79-01-6  | Trichloroethene      | 0.271  |   | 0.025 | 0.013 | 0.0085 |
| 75-01-4  | Vinyl chloride       | 0.238  |   | 0.025 | 0.013 | 0.011  |
| 67-66-3  | Chloroform           | 0.256  |   | 0.025 | 0.013 | 0.0080 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 2037-26-5  | Toluene-d8 (Surr)            | 99   |   | 90-115 |
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 100  |   | 80-121 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 103  |   | 70-124 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 103  |   | 84-128 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1990.D  
 Lims ID: 240-18735-C-5-A MS Client ID:  
 Inject. Date: 02-Jan-2013 16:24:30 Dil. Factor: 1.0000  
 Sample Type: MS  
 Sample ID: 240-0016347-008  
 Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 7  
 Lims Batch ID: 70888 Lims Sample ID: 8  
 Detector: MS SCAN  
 Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260\_10.m  
 Last Update: 03-Jan-2013 07:29:20 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK036

First Level Reviewer: quayler

Date: 03-Jan-2013 07:20:36

| Compound                            | Sig | RT     | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|-------------------------------------|-----|--------|--------|--------|-----|----------|-----------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.207  | 5.205  | 0.002  | 100 | 2031037  | 10.0            |       |
| * 2 Chlorobenzene-d5                | 117 | 7.881  | 7.879  | 0.002  | 81  | 1506111  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.129 | 10.127 | 0.002  | 89  | 898671   | 10.0            |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.627  | 4.625  | 0.002  | 59  | 491118   | 10.3            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.911  | 4.921  | -0.010 | 0   | 553462   | 9.97            |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.567  | 6.565  | 0.002  | 93  | 1930084  | 9.90            |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.993  | 8.991  | 0.002  | 96  | 707764   | 10.3            |       |
| 11 C6-C10                           | 1   |        | 0.000  |        |     |          |                 |       |
| 10 C6-C12                           | 1   |        | 0.000  |        |     |          |                 |       |
| 9 Benzyl chloride                   | 126 |        | 0.000  |        |     |          |                 |       |
| 143 1,3-Diethylbenzene TIC          | 1   |        | 0.000  |        |     |          |                 |       |
| 12 Dichlorodifluoromethane          | 85  | 1.562  | 1.560  | 0.002  | 87  | 418655   | 11.1            |       |
| 13 Chloromethane                    | 50  | 1.680  | 1.690  | -0.010 | 89  | 626087   | 9.34            |       |
| 14 Vinyl chloride                   | 62  | 1.787  | 1.797  | -0.010 | 83  | 635871   | 9.54            |       |
| 15 Chlorodifluoromethane TIC        | 1   |        | 1.900  |        |     |          |                 |       |
| 16 Bromomethane                     | 94  | 2.071  | 2.081  | -0.010 | 89  | 273708   | 8.75            |       |
| 17 Chloroethane                     | 64  | 2.154  | 2.163  | -0.009 | 99  | 377305   | 9.71            |       |
| 18 Dichlorofluoromethane            | 67  |        | 2.329  |        |     |          |                 | 9     |
| 19 Trichlorofluoromethane           | 101 | 2.379  | 2.388  | -0.010 | 97  | 577937   | 10.7            |       |
| 20 Ethyl ether                      | 59  | 2.591  | 2.601  | -0.010 | 90  | 456384   | 10.7            |       |
| 21 Acrolein                         | 56  |        | 2.696  |        |     |          |                 |       |
| 23 1,1-Dichloroethene               | 96  | 2.804  | 2.802  | 0.002  | 88  | 532509   | 10.3            |       |
| 24 Acetone                          | 43  | 2.828  | 2.826  | 0.002  | 93  | 273911   | 22.4            |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.816  | 2.826  | -0.010 | 88  | 463764   | 11.5            |       |
| 22 Methylal                         | 45  |        | 2.851  |        |     |          |                 | 9     |
| 26 Iodomethane                      | 142 | 2.935  | 2.933  | 0.002  | 97  | 910927   | 11.1            |       |
| 27 Carbon disulfide                 | 76  | 3.006  | 3.004  | 0.002  | 99  | 1665062  | 10.6            |       |
| 28 Acetonitrile                     | 41  |        | 3.051  |        |     |          |                 | 9     |
| 29 3-Chloro-1-propene               | 76  |        | 3.098  |        |     |          |                 | 9     |
| 30 Methyl acetate                   | 43  | 3.100  | 3.098  | 0.002  | 97  | 345757   | 9.09            |       |

| Compound                       | Sig | RT    | EXP RT | DLT RT | Q  | Response | On-Col Amt ug/l | Flags |
|--------------------------------|-----|-------|--------|--------|----|----------|-----------------|-------|
| 31 Methylene Chloride          | 84  | 3.195 | 3.193  | 0.002  | 83 | 610417   | 10.1            |       |
| 32 2-Methyl-2-propanol         | 59  | 3.254 | 3.264  | -0.010 | 94 | 588741   | 252.1           |       |
| 33 Acrylonitrile               | 53  |       | 3.382  |        |    |          |                 | 9     |
| 34 trans-1,2-Dichloroethene    | 96  | 3.432 | 3.430  | 0.002  | 71 | 584061   | 10.5            |       |
| 35 Methyl tert-butyl ether     | 73  | 3.420 | 3.430  | -0.010 | 91 | 1322797  | 9.66            |       |
| 36 Hexane                      | 86  | 3.656 | 3.666  | -0.010 | 91 | 111921   | 10.1            |       |
| 37 1,1-Dichloroethane          | 63  | 3.763 | 3.773  | -0.010 | 85 | 950172   | 10.3            |       |
| 38 Vinyl acetate               | 86  | 3.798 | 3.796  | 0.002  | 97 | 106091   | 13.5            |       |
| 39 Isopropyl ether             | 87  | 3.822 | 3.819  | 0.003  | 95 | 483808   | 10.4            |       |
| 40 2-Chloro-1,3-butadiene      | 53  |       | 3.855  |        |    |          |                 | 9     |
| 41 Tert-butyl ethyl ether      | 59  |       | 4.115  |        |    |          |                 |       |
| 42 2-Butanone (MEK)            | 43  | 4.236 | 4.234  | 0.002  | 58 | 369532   | 19.8            |       |
| 43 cis-1,2-Dichloroethene      | 96  | 4.248 | 4.246  | 0.002  | 80 | 609803   | 10.3            |       |
| 44 2,2-Dichloropropane         | 77  | 4.248 | 4.258  | -0.010 | 76 | 510254   | 10.6            |       |
| 45 Propionitrile               | 54  |       | 4.281  |        |    |          |                 |       |
| 46 Ethyl acetate               | 43  |       | 4.293  |        |    |          |                 | 9     |
| 47 Methacrylonitrile           | 41  |       | 4.411  |        |    |          |                 | 9     |
| 48 Chlorobromomethane          | 128 | 4.437 | 4.435  | 0.002  | 92 | 292406   | 10.1            |       |
| 49 Tetrahydrofuran             | 42  | 4.485 | 4.495  | -0.010 | 94 | 120560   | 9.30            |       |
| 50 Chloroform                  | 83  | 4.497 | 4.495  | 0.002  | 80 | 953738   | 10.2            |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.674 | 4.672  | 0.002  | 91 | 707932   | 10.5            |       |
| 52 Cyclohexane                 | 56  | 4.733 | 4.743  | -0.010 | 88 | 823185   | 9.70            |       |
| 53 1,1-Dichloropropene         | 75  | 4.804 | 4.814  | -0.010 | 94 | 721499   | 10.5            |       |
| 54 Carbon tetrachloride        | 117 | 4.816 | 4.826  | -0.010 | 93 | 625591   | 10.6            |       |
| 55 Isobutyl alcohol            | 41  | 4.852 | 4.849  | 0.003  | 94 | 710796   | 569.8           |       |
| 56 1,2-Dichloroethane          | 62  | 4.982 | 4.980  | 0.002  | 45 | 662452   | 10.2            |       |
| 57 Benzene                     | 78  | 4.982 | 4.980  | 0.002  | 95 | 2276906  | 10.3            |       |
| 58 Tert-amyl methyl ether      | 73  |       | 5.062  |        |    |          |                 | 9     |
| 59 n-Heptane                   | 100 |       | 5.204  |        |    |          |                 |       |
| 60 n-Butanol                   | 56  |       | 5.405  |        |    |          |                 |       |
| 61 Trichloroethene             | 130 | 5.514 | 5.524  | -0.010 | 96 | 613463   | 10.9            |       |
| 62 Ethyl acrylate              | 55  | 5.704 | 5.605  | 0.099  | 68 | 549073   | 0               |       |
| 63 Methylcyclohexane           | 83  | 5.704 | 5.702  | 0.002  | 86 | 750294   | 10.1            |       |
| 64 1,2-Dichloropropane         | 63  | 5.704 | 5.702  | 0.002  | 77 | 505972   | 10.4            |       |
| 65 Methyl methacrylate         | 41  |       | 5.784  |        |    |          |                 | 9     |
| 66 Dibromomethane              | 93  | 5.798 | 5.808  | -0.010 | 90 | 325405   | 11.2            |       |
| 67 1,4-Dioxane                 | 88  |       | 5.808  |        |    |          |                 | 19    |
| 68 Dichlorobromomethane        | 83  | 5.928 | 5.926  | 0.002  | 99 | 643967   | 10.7            |       |
| 69 2-Nitropropane              | 41  |       | 6.115  |        |    |          |                 |       |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.177 | 6.175  | 0.002  | 92 | 222087   | 8.75            |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.319 | 6.317  | 0.002  | 90 | 689848   | 9.96            |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.437 | 6.447  | -0.010 | 96 | 747321   | 19.9            |       |
| 73 Toluene                     | 91  | 6.626 | 6.624  | 0.002  | 97 | 2365491  | 9.82            |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.792 | 6.802  | -0.010 | 88 | 597970   | 9.37            |       |
| 75 Ethyl methacrylate          | 69  |       | 6.873  |        |    |          |                 | 9     |
| 76 1,1,2-Trichloroethane       | 97  | 6.970 | 6.968  | 0.002  | 89 | 457165   | 9.79            |       |
| 77 1,3-Dichloropropane         | 76  | 7.123 | 7.121  | 0.002  | 90 | 760152   | 9.37            |       |
| 78 Tetrachloroethene           | 164 | 7.123 | 7.133  | -0.010 | 89 | 488809   | 9.92            |       |
| 79 2-Hexanone                  | 43  | 7.183 | 7.181  | 0.002  | 96 | 528737   | 19.9            |       |
| 80 n-Butyl acetate             | 56  | 7.289 | 7.298  | -0.009 | 83 | 6393     | 0               |       |
| 81 Chlorodibromomethane        | 129 | 7.336 | 7.334  | 0.002  | 88 | 467280   | 9.78            |       |
| 82 Tetrahydrothiophene         | 60  |       | 7.346  |        |    |          |                 |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 83 Ethylene Dibromide            | 107 | 7.455  | 7.453     | 0.002     | 98  | 432202   | 9.41               |       |
| 84 1-Chlorohexane                | 91  |        | 7.779     |           |     |          |                    | 9     |
| 85 Chlorobenzene                 | 112 | 7.904  | 7.914     | -0.010    | 94  | 1565375  | 9.88               |       |
| 86 1,1,1,2-Tetrachloroethane     | 131 | 7.975  | 7.973     | 0.002     | 90  | 543213   | 10.0               |       |
| 87 Ethylbenzene                  | 106 | 8.011  | 8.009     | 0.002     | 97  | 817482   | 10.1               |       |
| 88 m-Xylene & p-Xylene           | 106 | 8.117  | 8.115     | 0.002     | 99  | 2122375  | 20.7               |       |
| 89 o-Xylene                      | 106 | 8.496  | 8.494     | 0.002     | 89  | 1009145  | 10.2               |       |
| 90 Styrene                       | 104 | 8.496  | 8.506     | -0.010    | 91  | 1716163  | 10.6               |       |
| 91 Bromoform                     | 173 | 8.674  | 8.683     | -0.009    | 98  | 290046   | 9.34               |       |
| 92 Isopropylbenzene              | 105 | 8.851  | 8.849     | 0.002     | 94  | 2429904  | 10.2               |       |
| 93 1,4-Dichlorobutane            | 55  |        | 8.931     |           |     |          |                    | 9     |
| 94 Cyclohexanone                 | 55  | 8.922  | 8.931     | -0.009    | 86  | 220640   | 44.5               |       |
| 95 1,1,2,2-Tetrachloroethane     | 83  | 9.111  | 9.109     | 0.002     | 94  | 586253   | 9.15               |       |
| 96 Bromobenzene                  | 156 | 9.147  | 9.145     | 0.002     | 89  | 701151   | 10.2               |       |
| 97 1,2,3-Trichloropropane        | 110 | 9.159  | 9.157     | 0.002     | 72  | 200343   | 9.62               |       |
| 98 trans-1,4-Dichloro-2-butene   | 53  | 9.171  | 9.169     | 0.003     | 78  | 265736   | 16.8               |       |
| 99 N-Propylbenzene               | 120 | 9.242  | 9.240     | 0.002     | 98  | 713922   | 10.8               |       |
| 100 2-Chlorotoluene              | 126 | 9.336  | 9.334     | 0.002     | 97  | 636645   | 10.1               |       |
| 101 1,3,5-Trimethylbenzene       | 105 | 9.407  | 9.417     | -0.010    | 94  | 1975131  | 10.3               |       |
| 102 4-Chlorotoluene              | 126 | 9.431  | 9.441     | -0.010    | 98  | 677642   | 10.1               |       |
| 103 tert-Butylbenzene            | 119 | 9.739  | 9.736     | 0.002     | 80  | 1558338  | 9.11               |       |
| 104 1,2,4-Trimethylbenzene       | 105 | 9.786  | 9.784     | 0.002     | 70  | 2013522  | 10.3               |       |
| 105 sec-Butylbenzene             | 105 | 9.951  | 9.949     | 0.002     | 93  | 2160586  | 10.1               |       |
| 106 1,3-Dichlorobenzene          | 146 | 10.058 | 10.068    | -0.010    | 96  | 1224594  | 9.67               |       |
| 107 4-Isopropyltoluene           | 119 | 10.093 | 10.091    | 0.002     | 92  | 1897498  | 10.4               |       |
| 108 1,4-Dichlorobenzene          | 146 | 10.153 | 10.151    | 0.002     | 95  | 1282000  | 9.34               |       |
| 109 1,2,3-Trimethylbenzene       | 105 | 10.200 | 10.197    | 0.003     | 89  | 1975165  | 10.4               |       |
| 110 n-Butylbenzene               | 91  | 10.496 | 10.506    | -0.010    | 94  | 1365958  | 9.40               |       |
| 111 1,2-Dichlorobenzene          | 146 | 10.519 | 10.517    | 0.002     | 98  | 1123176  | 9.25               |       |
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.289 | 11.287    | 0.002     | 84  | 80663    | 8.43               |       |
| 113 1,3,5-Trichlorobenzene       | 180 |        | 11.511    |           |     |          |                    |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.129 | 12.127    | 0.002     | 93  | 405739   | 7.09               |       |
| 115 Hexachlorobutadiene          | 225 | 12.306 | 12.304    | 0.002     | 92  | 176185   | 6.19               |       |
| 116 Naphthalene                  | 128 | 12.377 | 12.375    | 0.002     | 100 | 813452   | 5.85               |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.626 | 12.624    | 0.002     | 99  | 347829   | 6.21               |       |
| 118 2-Methylnaphthalene          | 142 |        | 13.688    |           |     |          |                    |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0   |          | 40.0               |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0   |          | 20.8               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0   |          | 19.3               |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0   |          | 31.0               |       |
| T 123 Butyl Methacrylate TIC     | 1   |        | 9.400     |           |     |          |                    | 1     |
| T 124 Hexachloroethane TIC       | 1   |        | 10.700    |           |     |          |                    | 1     |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

9 - Failed A Reference Spectral Test

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20130102-16347.b\UXX1990.D

Injection Date: 02-Jan-2013 16:24:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 70888

Lims Sample ID: 8

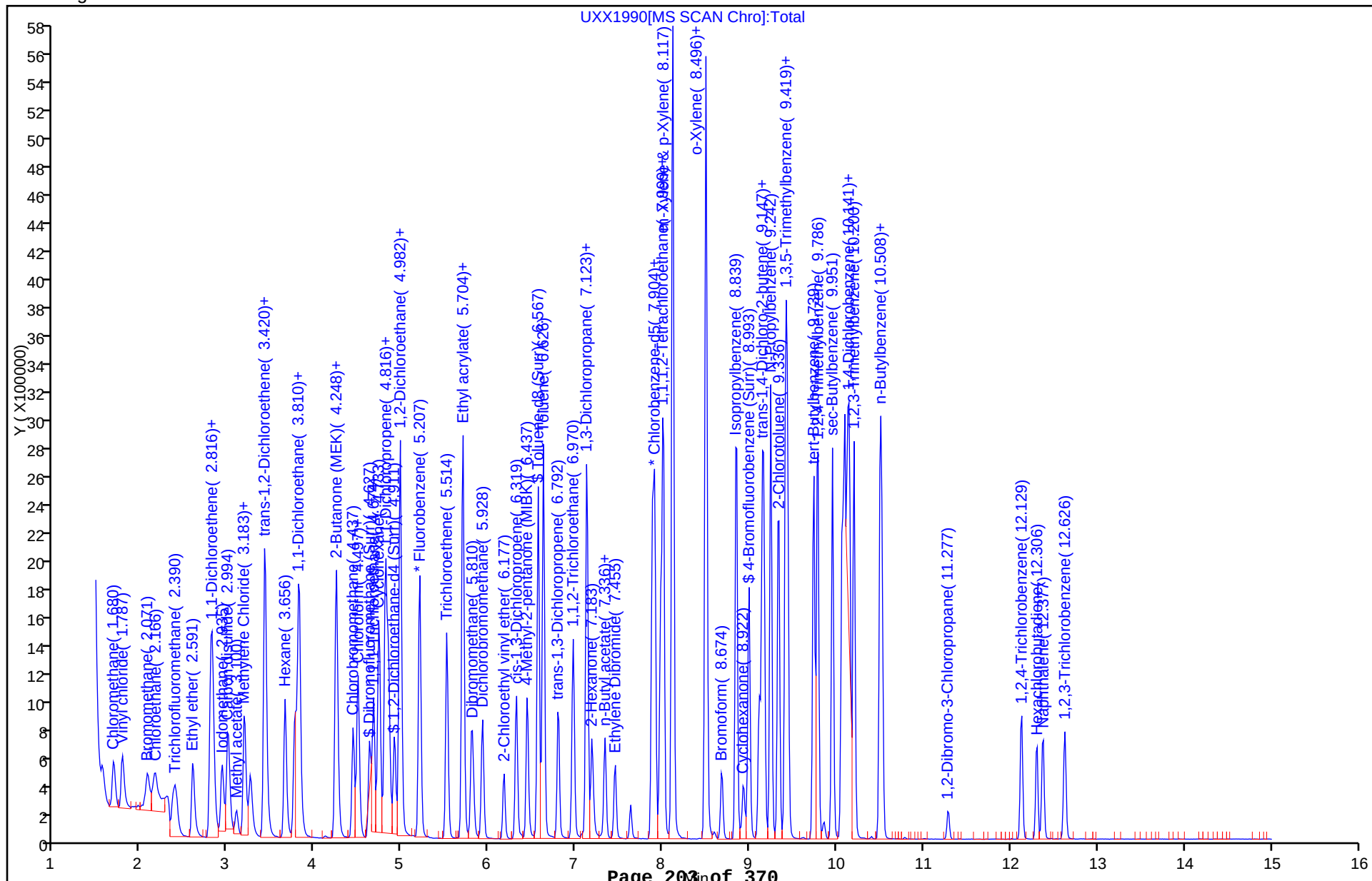
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Client Sample ID: 070-0058-0001-IDW MSD Lab Sample ID: 240-18735-5 MSD

Matrix: Solid (TCLP) Lab File ID: UXX1991.D

Analysis Method: 8260B/DoD Date Collected: 12/12/2012 13:30

Sample wt/vol: 0.2 (mL) Date Analyzed: 01/02/2013 16:46

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.: 70888 Units: mg/L

| CAS NO.  | COMPOUND NAME        | RESULT | Q | LOQ   | LOD   | DL     |
|----------|----------------------|--------|---|-------|-------|--------|
| 75-35-4  | 1,1-Dichloroethene   | 0.263  |   | 0.025 | 0.013 | 0.0095 |
| 107-06-2 | 1,2-Dichloroethane   | 0.257  |   | 0.025 | 0.013 | 0.011  |
| 78-93-3  | 2-Butanone (MEK)     | 0.486  |   | 0.25  | 0.025 | 0.029  |
| 71-43-2  | Benzene              | 0.256  |   | 0.025 | 0.013 | 0.0065 |
| 56-23-5  | Carbon tetrachloride | 0.274  |   | 0.025 | 0.013 | 0.0065 |
| 108-90-7 | Chlorobenzene        | 0.248  |   | 0.025 | 0.013 | 0.0075 |
| 127-18-4 | Tetrachloroethene    | 0.255  |   | 0.025 | 0.025 | 0.015  |
| 79-01-6  | Trichloroethene      | 0.270  |   | 0.025 | 0.013 | 0.0085 |
| 75-01-4  | Vinyl chloride       | 0.233  |   | 0.025 | 0.013 | 0.011  |
| 67-66-3  | Chloroform           | 0.250  |   | 0.025 | 0.013 | 0.0080 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 2037-26-5  | Toluene-d8 (Surr)            | 98   |   | 90-115 |
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94   |   | 80-121 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 100  |   | 70-124 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 101  |   | 84-128 |



TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20130102-16347.b\UXX1991.D  
 Lims ID: 240-18735-C-5-A MSD Client ID:  
 Inject. Date: 02-Jan-2013 16:46:30 Dil. Factor: 1.0000  
 Sample Type: MSD  
 Sample ID: 240-0016347-009  
 Misc. Info.: P30102A,8260LLUX10,,1904 =P30102A,8260LLUX10,,1904  
 Operator: 1904 Instrument ID: A3UX10  
 Purge Vol: 5.000 mL ALS Bottle#: 8  
 Lims Batch ID: 70888 Lims Sample ID: 9  
 Detector: MS SCAN  
 Method: \\NCChrom\ChromData\A3UX10\20130102-16347.b\8260\_10.m  
 Last Update: 03-Jan-2013 07:29:20 Calib Date: 14-Dec-2012 19:27:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\NCChrom\ChromData\A3UX10\20121214-15869.b\UXX1411.D  
 Limit Group: MSV 8260DOD ICAL  
 Integrator: RTE ID Type: Deconvolution ID  
 Column Type: DB-624 Column Dia: 0.18 mm  
 Process Host: XAWRK036

First Level Reviewer: quayler

Date: 03-Jan-2013 07:20:19

| Compound                            | Sig | RT     | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|-------------------------------------|-----|--------|--------|--------|-----|----------|-----------------|-------|
| * 1 Fluorobenzene                   | 96  | 5.206  | 5.205  | 0.001  | 100 | 2079591  | 10.0            |       |
| * 2 Chlorobenzene-d5                | 117 | 7.880  | 7.879  | 0.001  | 82  | 1540302  | 10.0            |       |
| * 3 1,4-Dichlorobenzene-d4          | 152 | 10.129 | 10.127 | 0.002  | 89  | 883234   | 10.0            |       |
| \$ 5 Dibromofluoromethane (Surr)    | 113 | 4.626  | 4.625  | 0.001  | 57  | 493703   | 10.1            |       |
| \$ 6 1,2-Dichloroethane-d4 (Surr)   | 65  | 4.910  | 4.921  | -0.011 | 0   | 532927   | 9.38            |       |
| \$ 7 Toluene-d8 (Surr)              | 98  | 6.567  | 6.565  | 0.002  | 92  | 1951887  | 9.79            |       |
| \$ 8 4-Bromofluorobenzene (Surr)    | 95  | 8.993  | 8.991  | 0.002  | 94  | 699583   | 9.97            |       |
| 11 C6-C10                           | 1   |        | 0.000  |        |     |          |                 |       |
| 10 C6-C12                           | 1   |        | 0.000  |        |     |          |                 |       |
| 9 Benzyl chloride                   | 126 |        | 0.000  |        |     |          |                 |       |
| 143 1,3-Diethylbenzene TIC          | 1   |        | 0.000  |        |     |          |                 |       |
| 12 Dichlorodifluoromethane          | 85  | 1.562  | 1.560  | 0.002  | 96  | 442401   | 11.5            |       |
| 13 Chloromethane                    | 50  | 1.680  | 1.690  | -0.010 | 89  | 666628   | 9.71            |       |
| 14 Vinyl chloride                   | 62  | 1.786  | 1.797  | -0.011 | 97  | 636023   | 9.32            |       |
| 15 Chlorodifluoromethane TIC        | 1   |        | 1.900  |        |     |          |                 |       |
| 16 Bromomethane                     | 94  | 2.070  | 2.081  | -0.011 | 91  | 284280   | 8.87            |       |
| 17 Chloroethane                     | 64  | 2.153  | 2.163  | -0.010 | 94  | 376971   | 9.48            |       |
| 18 Dichlorofluoromethane            | 67  |        | 2.329  |        |     |          |                 | 9     |
| 19 Trichlorofluoromethane           | 101 | 2.378  | 2.388  | -0.010 | 97  | 594116   | 10.8            |       |
| 20 Ethyl ether                      | 59  | 2.591  | 2.601  | -0.010 | 90  | 450279   | 10.3            |       |
| 21 Acrolein                         | 56  |        | 2.696  |        |     |          |                 |       |
| 23 1,1-Dichloroethene               | 96  | 2.804  | 2.802  | 0.002  | 90  | 554996   | 10.5            |       |
| 24 Acetone                          | 43  | 2.816  | 2.826  | -0.010 | 61  | 268446   | 21.4            |       |
| 25 1,1,2-Trichloro-1,2,2-trifluoroe | 151 | 2.816  | 2.826  | -0.010 | 88  | 471048   | 11.4            |       |
| 22 Methylal                         | 45  |        | 2.851  |        |     |          |                 | 9     |
| 26 Iodomethane                      | 142 | 2.934  | 2.933  | 0.001  | 96  | 941096   | 11.2            |       |
| 27 Carbon disulfide                 | 76  | 3.005  | 3.004  | 0.001  | 99  | 1724547  | 10.7            |       |
| 28 Acetonitrile                     | 41  |        | 3.051  |        |     |          |                 | 9     |
| 29 3-Chloro-1-propene               | 76  |        | 3.098  |        |     |          |                 | 9     |
| 30 Methyl acetate                   | 43  | 3.100  | 3.098  | 0.002  | 97  | 337468   | 8.67            |       |

| Compound                       | Sig | RT    | EXP RT | DLT RT | Q   | Response | On-Col Amt ug/l | Flags |
|--------------------------------|-----|-------|--------|--------|-----|----------|-----------------|-------|
| 31 Methylene Chloride          | 84  | 3.195 | 3.193  | 0.001  | 88  | 622099   | 10.0            |       |
| 32 2-Methyl-2-propanol         | 59  | 3.254 | 3.264  | -0.010 | 93  | 581932   | 243.4           |       |
| 33 Acrylonitrile               | 53  |       | 3.382  |        |     |          |                 | 9     |
| 34 trans-1,2-Dichloroethene    | 96  | 3.431 | 3.430  | 0.001  | 70  | 609501   | 10.7            |       |
| 35 Methyl tert-butyl ether     | 73  | 3.419 | 3.430  | -0.011 | 90  | 1347863  | 9.61            |       |
| 36 Hexane                      | 86  | 3.656 | 3.666  | -0.010 | 92  | 121098   | 10.7            |       |
| 37 1,1-Dichloroethane          | 63  | 3.762 | 3.773  | -0.011 | 97  | 958064   | 10.1            |       |
| 38 Vinyl acetate               | 86  | 3.798 | 3.796  | 0.002  | 97  | 106060   | 13.2            |       |
| 39 Isopropyl ether             | 87  | 3.822 | 3.819  | 0.003  | 95  | 501591   | 10.6            |       |
| 40 2-Chloro-1,3-butadiene      | 53  |       | 3.855  |        |     |          |                 | 9     |
| 41 Tert-butyl ethyl ether      | 59  |       | 4.115  |        |     |          |                 | 9     |
| 42 2-Butanone (MEK)            | 43  | 4.236 | 4.234  | 0.002  | 58  | 370592   | 19.4            |       |
| 43 cis-1,2-Dichloroethene      | 96  | 4.248 | 4.246  | 0.002  | 81  | 623214   | 10.3            |       |
| 44 2,2-Dichloropropane         | 77  | 4.248 | 4.258  | -0.010 | 89  | 527490   | 10.7            |       |
| 45 Propionitrile               | 54  |       | 4.281  |        |     |          |                 |       |
| 46 Ethyl acetate               | 43  |       | 4.293  |        |     |          |                 | 9     |
| 47 Methacrylonitrile           | 41  |       | 4.411  |        |     |          |                 | 9     |
| 48 Chlorobromomethane          | 128 | 4.437 | 4.435  | 0.002  | 92  | 313417   | 10.5            |       |
| 49 Tetrahydrofuran             | 42  | 4.484 | 4.495  | -0.011 | 86  | 122188   | 9.21            |       |
| 50 Chloroform                  | 83  | 4.496 | 4.495  | 0.001  | 80  | 954834   | 10.0            |       |
| 51 1,1,1-Trichloroethane       | 97  | 4.674 | 4.672  | 0.002  | 92  | 734494   | 10.6            |       |
| 52 Cyclohexane                 | 56  | 4.733 | 4.743  | -0.010 | 88  | 851224   | 9.80            |       |
| 53 1,1-Dichloropropene         | 75  | 4.804 | 4.814  | -0.010 | 95  | 719358   | 10.3            |       |
| 54 Carbon tetrachloride        | 117 | 4.816 | 4.826  | -0.010 | 88  | 661478   | 11.0            |       |
| 55 Isobutyl alcohol            | 41  | 4.851 | 4.849  | 0.002  | 94  | 708013   | 554.9           |       |
| 56 1,2-Dichloroethane          | 62  | 4.981 | 4.980  | 0.001  | 51  | 684551   | 10.3            |       |
| 57 Benzene                     | 78  | 4.981 | 4.980  | 0.001  | 94  | 2322539  | 10.2            |       |
| 58 Tert-amyl methyl ether      | 73  |       | 5.062  |        |     |          |                 | 9     |
| 59 n-Heptane                   | 100 |       | 5.204  |        |     |          |                 |       |
| 60 n-Butanol                   | 56  |       | 5.405  |        |     |          |                 |       |
| 61 Trichloroethene             | 130 | 5.514 | 5.524  | -0.010 | 96  | 625681   | 10.8            |       |
| 62 Ethyl acrylate              | 55  | 5.703 | 5.605  | 0.098  | 54  | 574955   | 0               |       |
| 63 Methylcyclohexane           | 83  | 5.703 | 5.702  | 0.001  | 87  | 803334   | 10.5            |       |
| 64 1,2-Dichloropropane         | 63  | 5.703 | 5.702  | 0.001  | 79  | 506894   | 10.1            |       |
| 65 Methyl methacrylate         | 41  |       | 5.784  |        |     |          |                 | 9     |
| 66 Dibromomethane              | 93  | 5.798 | 5.808  | -0.010 | 84  | 316907   | 10.7            |       |
| 67 1,4-Dioxane                 | 88  | 5.810 | 5.808  | 0.002  | 3   | 1152     | 3.79            |       |
| 68 Dichlorobromomethane        | 83  | 5.928 | 5.926  | 0.002  | 100 | 660539   | 10.7            |       |
| 69 2-Nitropropane              | 41  |       | 6.115  |        |     |          |                 | 9     |
| 70 2-Chloroethyl vinyl ether   | 63  | 6.176 | 6.175  | 0.001  | 89  | 237959   | 9.16            |       |
| 71 cis-1,3-Dichloropropene     | 75  | 6.318 | 6.317  | 0.001  | 89  | 695868   | 9.81            |       |
| 72 4-Methyl-2-pentanone (MIBK) | 43  | 6.437 | 6.447  | -0.010 | 96  | 750138   | 19.5            |       |
| 73 Toluene                     | 91  | 6.626 | 6.624  | 0.002  | 96  | 2440001  | 9.91            |       |
| 74 trans-1,3-Dichloropropene   | 75  | 6.804 | 6.802  | 0.002  | 92  | 614811   | 9.42            |       |
| 75 Ethyl methacrylate          | 69  |       | 6.873  |        |     |          |                 | 9     |
| 76 1,1,2-Trichloroethane       | 97  | 6.969 | 6.968  | 0.001  | 83  | 465651   | 9.75            |       |
| 77 1,3-Dichloropropane         | 76  | 7.123 | 7.121  | 0.002  | 93  | 774663   | 9.34            |       |
| 78 Tetrachloroethene           | 164 | 7.135 | 7.133  | 0.002  | 95  | 513235   | 10.2            |       |
| 79 2-Hexanone                  | 43  | 7.182 | 7.181  | 0.001  | 95  | 537441   | 19.8            |       |
| 80 n-Butyl acetate             | 56  | 7.300 | 7.298  | 0.002  | 80  | 7046     | 0               |       |
| 81 Chlorodibromomethane        | 129 | 7.336 | 7.334  | 0.002  | 87  | 467737   | 9.57            |       |
| 82 Tetrahydrothiophene         | 60  |       | 7.346  |        |     |          |                 |       |

| Compound                         | Sig | RT     | EXP<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ug/l | Flags |
|----------------------------------|-----|--------|-----------|-----------|-----|----------|--------------------|-------|
| 83 Ethylene Dibromide            | 107 | 7.454  | 7.453     | 0.001     | 98  | 434374   | 9.24               |       |
| 84 1-Chlorohexane                | 91  |        | 7.779     |           |     |          |                    | 9     |
| 85 Chlorobenzene                 | 112 | 7.904  | 7.914     | -0.010    | 95  | 1606792  | 9.92               |       |
| 86 1,1,1,2-Tetrachloroethane     | 131 | 7.975  | 7.973     | 0.002     | 83  | 561812   | 10.1               |       |
| 87 Ethylbenzene                  | 106 | 8.010  | 8.009     | 0.001     | 97  | 842422   | 10.2               |       |
| 88 m-Xylene & p-Xylene           | 106 | 8.117  | 8.115     | 0.002     | 99  | 2183707  | 20.9               |       |
| 89 o-Xylene                      | 106 | 8.496  | 8.494     | 0.002     | 88  | 1043360  | 10.4               |       |
| 90 Styrene                       | 104 | 8.507  | 8.506     | 0.001     | 94  | 1768678  | 10.7               |       |
| 91 Bromoform                     | 173 | 8.673  | 8.683     | -0.010    | 99  | 294215   | 9.27               |       |
| 92 Isopropylbenzene              | 105 | 8.851  | 8.849     | 0.002     | 94  | 2503807  | 10.2               |       |
| 93 1,4-Dichlorobutane            | 55  |        | 8.931     |           |     |          |                    | 9     |
| 94 Cyclohexanone                 | 55  | 8.933  | 8.931     | 0.002     | 81  | 211532   | 43.4               |       |
| 95 1,1,2,2-Tetrachloroethane     | 83  | 9.111  | 9.109     | 0.002     | 90  | 577093   | 9.17               |       |
| 96 Bromobenzene                  | 156 | 9.146  | 9.145     | 0.001     | 88  | 718342   | 10.7               |       |
| 97 1,2,3-Trichloropropane        | 110 | 9.158  | 9.157     | 0.001     | 73  | 193825   | 9.47               |       |
| 98 trans-1,4-Dichloro-2-butene   | 53  | 9.170  | 9.169     | 0.002     | 77  | 263281   | 16.9               |       |
| 99 N-Propylbenzene               | 120 | 9.241  | 9.240     | 0.001     | 97  | 734497   | 11.3               |       |
| 100 2-Chlorotoluene              | 126 | 9.336  | 9.334     | 0.002     | 97  | 647005   | 10.5               |       |
| 101 1,3,5-Trimethylbenzene       | 105 | 9.419  | 9.417     | 0.002     | 94  | 2012878  | 10.7               |       |
| 102 4-Chlorotoluene              | 126 | 9.430  | 9.441     | -0.011    | 98  | 704658   | 10.7               |       |
| 103 tert-Butylbenzene            | 119 | 9.738  | 9.736     | 0.002     | 80  | 1682125  | 10.0               |       |
| 104 1,2,4-Trimethylbenzene       | 105 | 9.785  | 9.784     | 0.001     | 70  | 2066298  | 10.7               |       |
| 105 sec-Butylbenzene             | 105 | 9.951  | 9.949     | 0.002     | 93  | 2171220  | 10.3               |       |
| 106 1,3-Dichlorobenzene          | 146 | 10.069 | 10.068    | 0.001     | 82  | 1245588  | 10.0               |       |
| 107 4-Isopropyltoluene           | 119 | 10.093 | 10.091    | 0.002     | 93  | 1928533  | 10.8               |       |
| 108 1,4-Dichlorobenzene          | 146 | 10.152 | 10.151    | 0.001     | 94  | 1319568  | 9.78               |       |
| 109 1,2,3-Trimethylbenzene       | 105 | 10.200 | 10.197    | 0.003     | 87  | 1985279  | 10.7               |       |
| 110 n-Butylbenzene               | 91  | 10.495 | 10.506    | -0.011    | 95  | 1414226  | 9.90               |       |
| 111 1,2-Dichlorobenzene          | 146 | 10.519 | 10.517    | 0.002     | 97  | 1160965  | 9.72               |       |
| 112 1,2-Dibromo-3-Chloropropane  | 157 | 11.288 | 11.287    | 0.001     | 83  | 79931    | 8.50               |       |
| 113 1,3,5-Trichlorobenzene       | 180 |        | 11.511    |           |     |          |                    |       |
| 114 1,2,4-Trichlorobenzene       | 180 | 12.128 | 12.127    | 0.001     | 92  | 451618   | 8.03               |       |
| 115 Hexachlorobutadiene          | 225 | 12.306 | 12.304    | 0.002     | 91  | 200045   | 7.15               |       |
| 116 Naphthalene                  | 128 | 12.377 | 12.375    | 0.002     | 100 | 980549   | 7.18               |       |
| 117 1,2,3-Trichlorobenzene       | 180 | 12.625 | 12.624    | 0.001     | 99  | 420820   | 7.64               |       |
| 118 2-Methylnaphthalene          | 142 |        | 13.688    |           |     |          |                    |       |
| S 119 Trihalomethanes, Total     | 1   |        |           |           | 0   |          | 39.5               |       |
| S 120 1,2-Dichloroethene, Total  | 96  |        |           |           | 0   |          | 21.0               |       |
| S 121 1,3-Dichloropropene, Total | 75  |        |           |           | 0   |          | 19.2               |       |
| S 122 Xylenes, Total             | 106 |        |           |           | 0   |          | 31.2               |       |
| T 123 Butyl Methacrylate TIC     | 1   |        | 9.400     |           |     |          |                    | 1     |
| T 124 Hexachloroethane TIC       | 1   |        | 10.700    |           |     |          |                    | 1     |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

9 - Failed A Reference Spectral Test

## TestAmerica Canton

Data File: \\NCCChrom\ChromData\A3UX10\20130102-16347.b\UXX1991.D

Injection Date: 02-Jan-2013 16:46:30

Limit Group: MSV 8260DOD ICAL

Client ID:

Instrument ID: A3UX10

Lims Batch ID: 70888

Lims Sample ID: 9

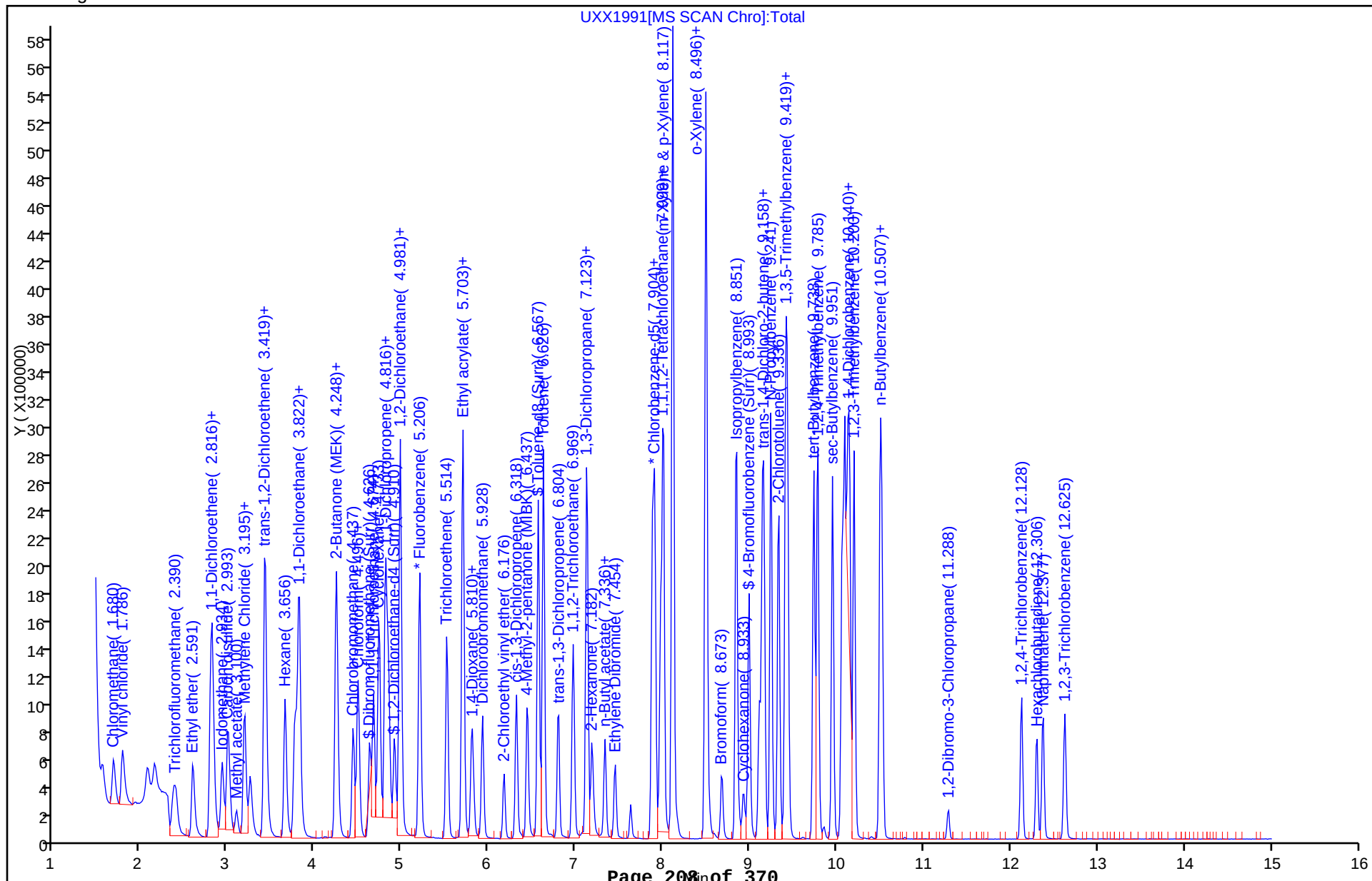
Operator ID: 1904

Purge Vol: 5.000 mL

Column Type: DB-624

Column Dia: 0.18 mm

Y Scaling:



## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 Start Date: 12/14/2012 15:04Analysis Batch Number: 68811 End Date: 12/14/2012 19:48

| LAB SAMPLE ID               | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID        |
|-----------------------------|------------------|------------------|--------------------|-------------|------------------|
| BFB 240-68811/1             |                  | 12/14/2012 15:04 | 1                  | BFB5078.D   | DB-624 0.18 (mm) |
| STD8260 240-68811/2<br>IC   |                  | 12/14/2012 15:32 | 1                  | UXX1400.D   | DB-624 0.18 (mm) |
| STD8260 240-68811/3<br>IC   |                  | 12/14/2012 15:53 | 1                  | UXX1401.D   | DB-624 0.18 (mm) |
| STD8260 240-68811/4<br>ICIS |                  | 12/14/2012 16:15 | 1                  | UXX1402.D   | DB-624 0.18 (mm) |
| STD8260 240-68811/5<br>IC   |                  | 12/14/2012 16:36 | 1                  | UXX1403.D   | DB-624 0.18 (mm) |
| STD8260 240-68811/6<br>IC   |                  | 12/14/2012 16:57 | 1                  | UXX1404.D   | DB-624 0.18 (mm) |
| STD8260 240-68811/7<br>IC   |                  | 12/14/2012 17:19 | 1                  | UXX1405.D   | DB-624 0.18 (mm) |
| STDA9 240-68811/8 IC        |                  | 12/14/2012 17:40 | 1                  |             | DB-624 0.18 (mm) |
| STDA9 240-68811/9 IC        |                  | 12/14/2012 18:01 | 1                  |             | DB-624 0.18 (mm) |
| STDA9 240-68811/10<br>IC    |                  | 12/14/2012 18:23 | 1                  |             | DB-624 0.18 (mm) |
| STDA9 240-68811/11<br>IC    |                  | 12/14/2012 18:44 | 1                  |             | DB-624 0.18 (mm) |
| STDA9 240-68811/12<br>IC    |                  | 12/14/2012 19:05 | 1                  |             | DB-624 0.18 (mm) |
| STDA9 240-68811/13<br>IC    |                  | 12/14/2012 19:27 | 1                  |             | DB-624 0.18 (mm) |
| ICV 240-68811/14            |                  | 12/14/2012 19:48 | 1                  | UXX1412.D   | DB-624 0.18 (mm) |

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Instrument ID: A3UX10 Start Date: 12/20/2012 10:51Analysis Batch Number: 69591 End Date: 12/20/2012 18:04

| LAB SAMPLE ID     | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID        |
|-------------------|------------------|------------------|--------------------|-------------|------------------|
| BFB 240-69591/1   |                  | 12/20/2012 10:51 | 1                  | BFB5089.D   | DB-624 0.18 (mm) |
| CCV 240-69591/2   |                  | 12/20/2012 11:59 | 1                  | UXX1587.D   | DB-624 0.18 (mm) |
| LCS 240-69591/4   |                  | 12/20/2012 12:21 | 1                  | UXX1588.D   | DB-624 0.18 (mm) |
| MRL 240-69591/5   |                  | 12/20/2012 12:43 | 1                  | UXX1589.D   | DB-624 0.18 (mm) |
| MB 240-69591/6    |                  | 12/20/2012 13:05 | 1                  | UXX1590.D   | DB-624 0.18 (mm) |
| ZZZZZ             |                  | 12/20/2012 13:42 | 1                  |             | DB-624 0.18 (mm) |
| ZZZZZ             |                  | 12/20/2012 14:04 | 1                  |             | DB-624 0.18 (mm) |
| ZZZZZ             |                  | 12/20/2012 14:26 | 1                  |             | DB-624 0.18 (mm) |
| ZZZZZ             |                  | 12/20/2012 14:47 | 1                  |             | DB-624 0.18 (mm) |
| ZZZZZ             |                  | 12/20/2012 15:09 | 1                  |             | DB-624 0.18 (mm) |
| ZZZZZ             |                  | 12/20/2012 15:31 | 1                  |             | DB-624 0.18 (mm) |
| ZZZZZ             |                  | 12/20/2012 15:53 | 1                  |             | DB-624 0.18 (mm) |
| ZZZZZ             |                  | 12/20/2012 16:15 | 1                  |             | DB-624 0.18 (mm) |
| 240-18735-7       | 070-0060-0001-TB | 12/20/2012 16:37 | 1                  | UXX1599.D   | DB-624 0.18 (mm) |
| ZZZZZ             |                  | 12/20/2012 16:58 | 1                  |             | DB-624 0.18 (mm) |
| ZZZZZ             |                  | 12/20/2012 17:20 | 1                  |             | DB-624 0.18 (mm) |
| MRL 240-69591/18  |                  | 12/20/2012 17:42 | 1                  | UXX1602.D   | DB-624 0.18 (mm) |
| LODV 240-69591/19 |                  | 12/20/2012 18:04 | 1                  | UXX1603.D   | DB-624 0.18 (mm) |

## GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Batch Number: 69292 Batch Start Date: 12/18/12 19:25 Batch Analyst: Jones, DianeBatch Method: 1311 Batch End Date: 12/19/12 11:30

| Lab Sample ID | Client Sample ID      | Method Chain       | Basis | EXTCLPACETIC<br>00005 | EXTCLPNAOH<br>00010 | EXZHEFILTERS<br>00001 |  |  |  |
|---------------|-----------------------|--------------------|-------|-----------------------|---------------------|-----------------------|--|--|--|
| 240-18735-C-5 | 070-0058-0001-ID<br>W | 1311,<br>8260B/DoD | P     | 1 mL                  | 1 g                 | 1                     |  |  |  |
| 240-18735-F-6 | 070-0059-0001-ID<br>W | 1311,<br>8260B/DoD | P     | 1 mL                  | 1 g                 | 1                     |  |  |  |

| Batch Notes                  |              |
|------------------------------|--------------|
| Tumbler Rotations per Minute | F, G = 29rpm |

| Basis | Basis Description |
|-------|-------------------|
| P     | TCLP              |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260B/DoD

Page 1 of 1

# Method 8015B – GRO

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Gasoline Range Organics (GC) by  
Method 8015B



FORM II  
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low  
GC Column (1): RTX-VRX ID: 0.45 (mm)

| Client Sample ID            | Lab Sample ID    | TFT1 # |
|-----------------------------|------------------|--------|
| 070SB-0042M-0001-S<br>O     | 240-18735-1      | 43     |
|                             | MB 240-69738/52  | 89     |
|                             | LCS 240-69738/53 | 101    |
| 070SB-0042M-0001-S<br>O MS  | 240-18735-1 MS   | 63     |
| 070SB-0042M-0001-S<br>O MSD | 240-18735-1 MSD  | 64     |

TFT = Trifluorotoluene (Surr)

QC LIMITS  
10-150

# Column to be used to flag recovery values

FORM II  
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low  
GC Column (1): RTX-VRX ID: 0.45 (mm)

| Client Sample ID | Lab Sample ID    | TFT1 # |
|------------------|------------------|--------|
|                  | MRL 240-69738/51 | 85     |
|                  | MRL 240-69738/76 | 84     |

TFT = Trifluorotoluene (Surr)

QC LIMITS  
70-130

# Column to be used to flag recovery values

FORM II  
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low  
GC Column (1): RTX-VRX ID: 0.45 (mm)

| Client Sample ID   | Lab Sample ID    | TFT1 # |
|--------------------|------------------|--------|
| 070SB-0055-0001-TB | 240-18735-2      | 86     |
|                    | MB 240-69738/36  | 76     |
|                    | LCS 240-69738/37 | 92     |

TFT = Trifluorotoluene (Surr)

QC LIMITS  
10-150

# Column to be used to flag recovery values

FORM II 8015B

FORM II  
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low  
GC Column (1): RTX-VRX ID: 0.45 (mm)

| Client Sample ID | Lab Sample ID    | TFT1 # |
|------------------|------------------|--------|
|                  | MRL 240-69738/35 | 85     |

TFT = Trifluorotoluene (Surr)

QC LIMITS  
70-130

# Column to be used to flag recovery values

FORM III  
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: YF122137.D

Lab ID: LCS 240-69738/37 Client ID: \_\_\_\_\_

| COMPOUND | SPIKE<br>ADDED<br>(ug/L) | LCS<br>CONCENTRATION<br>(ug/L) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|----------|--------------------------|--------------------------------|-----------------|---------------------|---|
| C6-C12   | 800                      | 830                            | 104             | 72-140              |   |

# Column to be used to flag recovery and RPD values

FORM III  
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: YF122153.D  
Lab ID: LCS 240-69738/53 Client ID: \_\_\_\_\_

| COMPOUND | SPIKE<br>ADDED<br>(ug/Kg) | LCS<br>CONCENTRATION<br>(ug/Kg) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|----------|---------------------------|---------------------------------|-----------------|---------------------|---|
| C6-C12   | 800                       | 965                             | 121             | 60-142              |   |

# Column to be used to flag recovery and RPD values

FORM III  
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: YF122135.D  
Lab ID: MRL 240-69738/35 Client ID: \_\_\_\_\_

| COMPOUND | SPIKE<br>ADDED<br>(ug/L) | MRL<br>CONCENTRATION<br>(ug/L) | MRL<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|----------|--------------------------|--------------------------------|-----------------|---------------------|---|
| C6-C12   | 100                      | 78.6 J                         | 79              | 70-130              |   |

# Column to be used to flag recovery and RPD values

FORM III  
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: YF122151.D  
Lab ID: MRL 240-69738/51 Client ID: \_\_\_\_\_

| COMPOUND | SPIKE<br>ADDED<br>(ug/L) | MRL<br>CONCENTRATION<br>(ug/L) | MRL<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|----------|--------------------------|--------------------------------|-----------------|---------------------|---|
| C6-C12   | 100                      | 115                            | 115             | 70-130              |   |

# Column to be used to flag recovery and RPD values



FORM III  
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: YF122176.D  
Lab ID: MRL 240-69738/76 Client ID: \_\_\_\_\_

| COMPOUND | SPIKE<br>ADDED<br>(ug/L) | MRL<br>CONCENTRATION<br>(ug/L) | MRL<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|----------|--------------------------|--------------------------------|-----------------|---------------------|---|
| C6-C12   | 100                      | 83.6 J                         | 84              | 70-130              |   |

# Column to be used to flag recovery and RPD values

FORM III  
GASOLINE RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: YF122173.D  
Lab ID: 240-18735-1 MS Client ID: 070SB-0042M-0001-SO MS

| COMPOUND | SPIKE<br>ADDED<br>(ug/Kg) | SAMPLE<br>CONCENTRATION<br>(ug/Kg) | MS<br>CONCENTRATION<br>(ug/Kg) | MS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|----------|---------------------------|------------------------------------|--------------------------------|----------------|---------------------|---|
| C6-C12   | 769                       | 49 U                               | 491                            | 64             | 10-142              |   |

# Column to be used to flag recovery and RPD values

FORM III  
GASOLINE RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: YF122174.D  
Lab ID: 240-18735-1 MSD Client ID: 070SB-0042M-0001-SO MSD

| COMPOUND | SPIKE<br>ADDED<br>(ug/Kg) | MSD<br>CONCENTRATION<br>(ug/Kg) | MSD<br>%<br>REC | %<br>RPD | QC LIMITS |        | # |
|----------|---------------------------|---------------------------------|-----------------|----------|-----------|--------|---|
|          |                           |                                 |                 |          | RPD       | REC    |   |
| C6-C12   | 773                       | 466                             | 60              | 5        | 94        | 10-142 |   |

# Column to be used to flag recovery and RPD values

FORM IV  
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: MB 240-69738/52  
Matrix: Solid Date Extracted: \_\_\_\_\_  
Lab File ID: (1) YF122152.D Lab File ID: (2) \_\_\_\_\_  
Date Analyzed: (1) 12/22/2012 18:53 Date Analyzed: (2) \_\_\_\_\_  
Instrument ID: (1) YPID Instrument ID: (2) \_\_\_\_\_  
GC Column: (1) RTX-VRX ID: 0.45 (mm) GC Column: (2) \_\_\_\_\_ ID: \_\_\_\_\_

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID        | LAB SAMPLE ID    | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------------|------------------|--------------------|--------------------|
|                         | LCS 240-69738/53 | 12/22/2012 19:32   |                    |
| 070SB-0042M-0001-SO     | 240-18735-1      | 12/23/2012 07:33   |                    |
| 070SB-0042M-0001-SO MS  | 240-18735-1 MS   | 12/23/2012 08:10   |                    |
| 070SB-0042M-0001-SO MSD | 240-18735-1 MSD  | 12/23/2012 08:49   |                    |

FORM IV  
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: MB 240-69738/36  
Matrix: Water Date Extracted: 12/22/2012 08:46  
Lab File ID: (1) YF122136.D Lab File ID: (2) \_\_\_\_\_  
Date Analyzed: (1) 12/22/2012 08:46 Date Analyzed: (2) \_\_\_\_\_  
Instrument ID: (1) YPID Instrument ID: (2) \_\_\_\_\_  
GC Column: (1) RTX-VRX ID: 0.45 (mm) GC Column: (2) \_\_\_\_\_ ID: \_\_\_\_\_

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID   | LAB SAMPLE ID    | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|--------------------|------------------|--------------------|--------------------|
|                    | LCS 240-69738/37 | 12/22/2012 09:24   |                    |
| 070SB-0055-0001-TB | 240-18735-2      | 12/22/2012 15:41   |                    |

FORM VIII  
GASOLINE RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCV 240-69738/5 Date Analyzed: 12/21/2012 13:05  
 Instrument ID: YPID GC Column: RTX-VRX ID: 0.45 (mm)  
 Lab File ID (Standard): YF122105.D Heated Purge: (Y/N) N  
 Calibration ID: 10675

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

|                                  |                            |                  |             | TFT  |  |  |
|----------------------------------|----------------------------|------------------|-------------|------|--|--|
|                                  |                            |                  |             | RT # |  |  |
| CONTINUING CALIBRATION SURROGATE |                            |                  |             | 9.76 |  |  |
| UPPER LIMIT                      |                            |                  |             | 9.86 |  |  |
| LOWER LIMIT                      |                            |                  |             | 9.66 |  |  |
| LAB SAMPLE ID                    | CLIENT SAMPLE ID           | DATE ANALYZED    | LAB FILE ID |      |  |  |
| CCV 240-69738/5<br>CCVRT         |                            | 12/21/2012 13:05 | YF122105.D  | 9.76 |  |  |
| CCV 240-69738/10                 |                            | 12/21/2012 16:14 | YF122110.D  | 9.76 |  |  |
| CCV 240-69738/34                 |                            | 12/22/2012 07:30 | YF122134.D  | 9.76 |  |  |
| MB 240-69738/36                  |                            | 12/22/2012 08:46 | YF122136.D  | 9.76 |  |  |
| LCS 240-69738/37                 |                            | 12/22/2012 09:24 | YF122137.D  | 9.76 |  |  |
| CCV 240-69738/45                 |                            | 12/22/2012 14:25 | YF122145.D  | 9.76 |  |  |
| 240-18735-2                      | 070SB-0055-0001-TB         | 12/22/2012 15:41 | YF122147.D  | 9.75 |  |  |
| CCV 240-69738/50                 |                            | 12/22/2012 17:35 | YF122150.D  | 9.76 |  |  |
| MB 240-69738/52                  |                            | 12/22/2012 18:53 | YF122152.D  | 9.75 |  |  |
| LCS 240-69738/53                 |                            | 12/22/2012 19:32 | YF122153.D  | 9.76 |  |  |
| CCV 240-69738/61                 |                            | 12/23/2012 00:38 | YF122161.D  | 9.76 |  |  |
| CCV 240-69738/71                 |                            | 12/23/2012 06:55 | YF122171.D  | 9.76 |  |  |
| 240-18735-1                      | 070SB-0042M-0001-SO        | 12/23/2012 07:33 | YF122172.D  | 9.75 |  |  |
| 240-18735-1 MS                   | 070SB-0042M-0001-SO<br>MS  | 12/23/2012 08:10 | YF122173.D  | 9.76 |  |  |
| 240-18735-1 MSD                  | 070SB-0042M-0001-SO<br>MSD | 12/23/2012 08:49 | YF122174.D  | 9.76 |  |  |
| CCV 240-69738/75                 |                            | 12/23/2012 09:27 | YF122175.D  | 9.76 |  |  |

TFT = Trifluorotoluene (Surr)

TFT RT Limit =  $\pm 0.1$  minutes of surrogate RT

# Column used to flag values outside QC limits

FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 070SB-0042M-0001-SO Lab Sample ID: 240-18735-1  
Matrix: Solid Lab File ID: YF122172.D  
Analysis Method: 8015B Date Collected: 12/12/2012 10:30  
Sample wt/vol: 5.999(g) Date Analyzed: 12/23/2012 07:33  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VRX ID: 0.45 (mm)  
% Moisture: 15.1 Level: (low/med) Low  
Analysis Batch No.: 69738 Units: ug/Kg

| CAS NO.  | COMPOUND NAME | RESULT | Q | LOQ | LOD | DL |
|----------|---------------|--------|---|-----|-----|----|
| STL00061 | C6-C12        | 49     | U | 98  | 49  | 45 |

| CAS NO. | SURROGATE               | %REC | Q | LIMITS |
|---------|-------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 43   |   | 10-150 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122172.D  
 Lims ID: 240-18735-B-1-D Client ID: 070SB-0042M-0001-SO  
 Inject. Date: 23-Dec-2012 07:33:26 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 240-0016087-072  
 Misc. Info.:  
 Operator: 1765 Instrument ID: YPID  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 69738 Lims Sample ID: 72  
 Detector 1 : GC ELC2B  
 Detector 2 : GC FID1A  
 Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
 Last Update: 26-Dec-2012 15:23:58 Calib Date: 27-Aug-2012 15:06:37  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
 Limit Group: GCV 8015B GRO ICAL  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK003

| Compound                           | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|------------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| S 17 Xylenes, Total                | 1   |        | 0.000          |           |          |                    | 7     |
| 6 2-Methylpentane                  | 2   | 5.073  | 5.137          | -0.064    | 116419   | 0                  |       |
| 12 Methyl tert-butyl ether         | 2   |        | 5.208          |           |          |                    | 1     |
| 3 Benzene                          | 1   |        | 7.999          |           |          |                    | 1     |
| * 15 Fluorobenzene                 | 1   | 0.000  | 8.418          | -8.418    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr)      | 2   | 9.754  | 9.759          | -0.005    | 655202   | 4.26               |       |
| \$ 18 a,a,a-Trifluorotoluene (pid) | 1   |        | 9.772          |           |          |                    | 1     |
| A 5 C6-C10                         | 2   | 11.831 | 4.901 - 18.760 |           | 5162891  | 38.0               |       |
| 8 Toluene                          | 1   |        | 11.964         |           |          |                    | 1     |
| A 1 C6-C12                         | 2   |        | 5.001 - 21.920 |           |          |                    |       |
| A 11 GRO                           | 2   | 13.655 | 4.996 - 22.314 |           | 9370529  | 0                  |       |
| 13 Ethylbenzene                    | 1   |        | 15.042         |           |          |                    | 1     |
| 2 m-Xylene & p-Xylene              | 1   |        | 15.410         |           |          |                    | 1     |
| 4 o-Xylene                         | 1   |        | 16.061         |           |          |                    | 1     |
| 10 1,3,5-Trimethylbenzene          | 1   |        | 17.985         |           |          |                    | 1     |
| 7 1,2,4-Trimethylbenzene           | 1   | 0.000  | 18.579         | -18.579   | 0        | 0                  |       |
| 14 Dodecane                        | 2   | 21.918 | 21.750         | 0.168     | 10888    | 0                  |       |
| 9 Naphthalene                      | 2   | 22.016 | 22.060         | -0.044    | 8889     | 0                  |       |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection



Report Date: 26-Dec-2012 15:24:00

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122172.D

Injection Date: 23-Dec-2012 07:33:26

Limit Group: GCV 8015B GRO ICAL

Client ID: 070SB-0042M-0001-SO

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 72

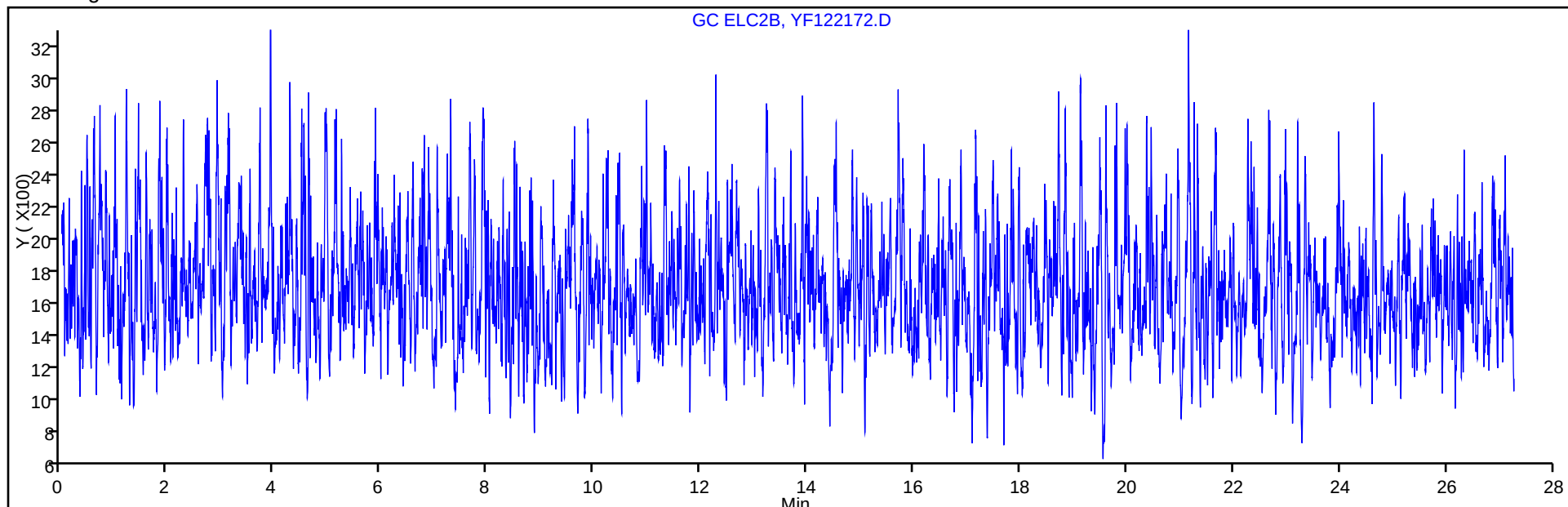
Operator ID: 1765

Purge Vol: 5.000 mL

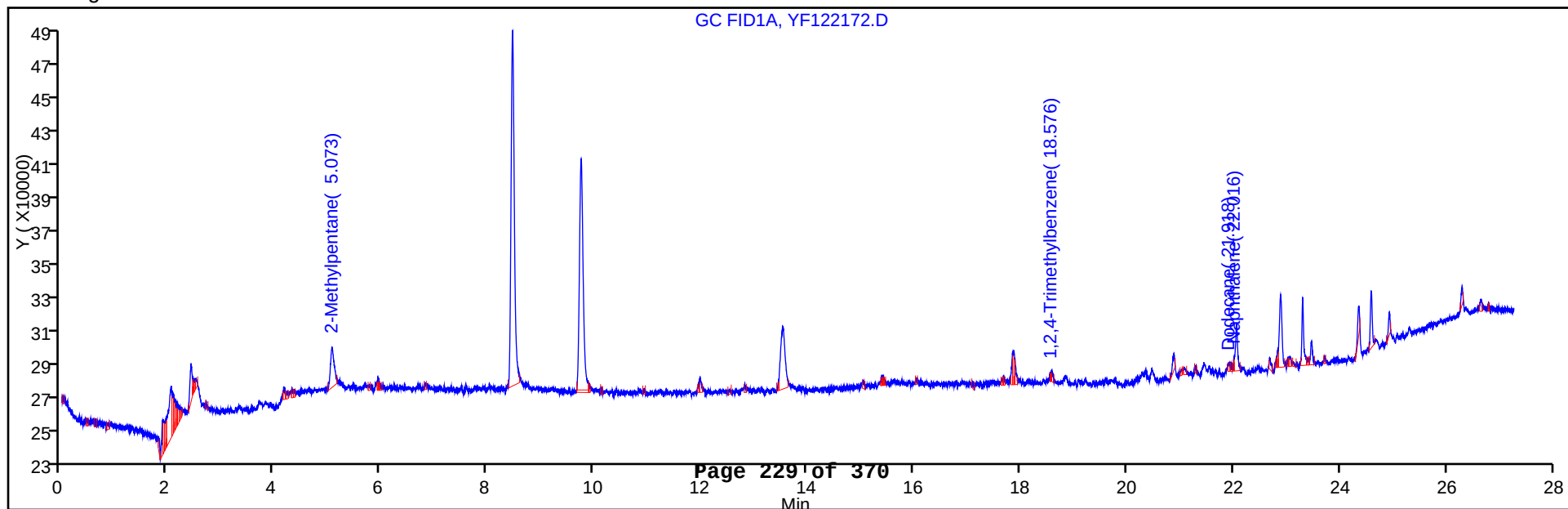
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 070SB-0055-0001-TB Lab Sample ID: 240-18735-2  
Matrix: Water Lab File ID: YF122147.D  
Analysis Method: 8015B Date Collected: 12/12/2012 08:00  
Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 15:41  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VRX ID: 0.45(mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 69738 Units: ug/L

| CAS NO.  | COMPOUND NAME | RESULT | Q | LOQ | LOD | DL |
|----------|---------------|--------|---|-----|-----|----|
| STL00061 | C6-C12        | 37     | J | 100 | 50  | 25 |

| CAS NO. | SURROGATE               | %REC | Q | LIMITS |
|---------|-------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 86   |   | 10-150 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122147.D  
Lims ID: 240-18735-B-2 Client ID: 070SB-0055-0001-TB  
Inject. Date: 22-Dec-2012 15:41:18 Dil. Factor: 1.0000  
Sample Type: Client  
Sample ID: 240-0016087-047  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Purge Vol: 5.000 mL ALS Bottle#: 1  
Lims Batch ID: 69738 Lims Sample ID: 47  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
Last Update: 26-Dec-2012 15:23:28 Calib Date: 27-Aug-2012 15:06:37  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Column Type: Column Dia:  
Process Host: XAWRK003

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.418          | -8.418    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.754  | 9.757          | -0.003    | 1328091  | 8.64               |       |
| A 1 C6-C12                    | 2   | 13.461 | 5.001 - 21.920 |           | 11712614 | 36.7               |       |

Report Date: 26-Dec-2012 15:23:31

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122147.D

Injection Date: 22-Dec-2012 15:41:18

Limit Group: GCV 8015B GRO ICAL

Client ID: 070SB-0055-0001-TB

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 47

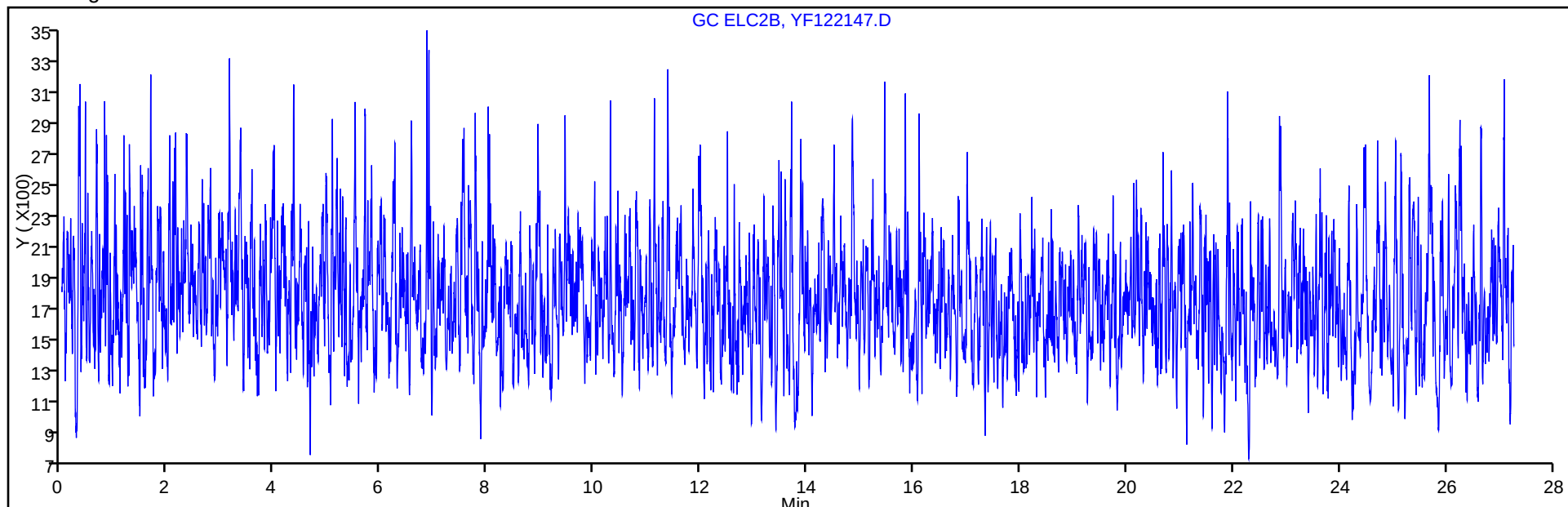
Operator ID: 1765

Purge Vol: 5.000 mL

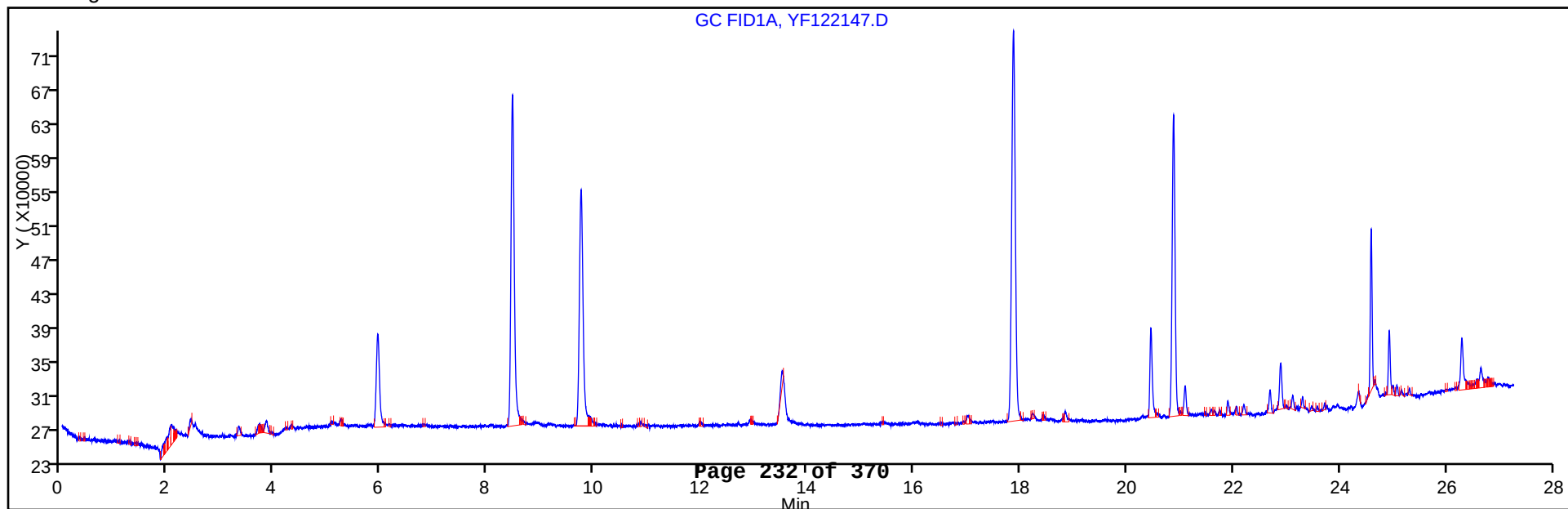
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



## TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122147.D

Injection Date: 22-Dec-2012 15:41:18

Limit Group: GCV 8015B GRO ICAL

Client ID: 070SB-0055-0001-TB

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 47

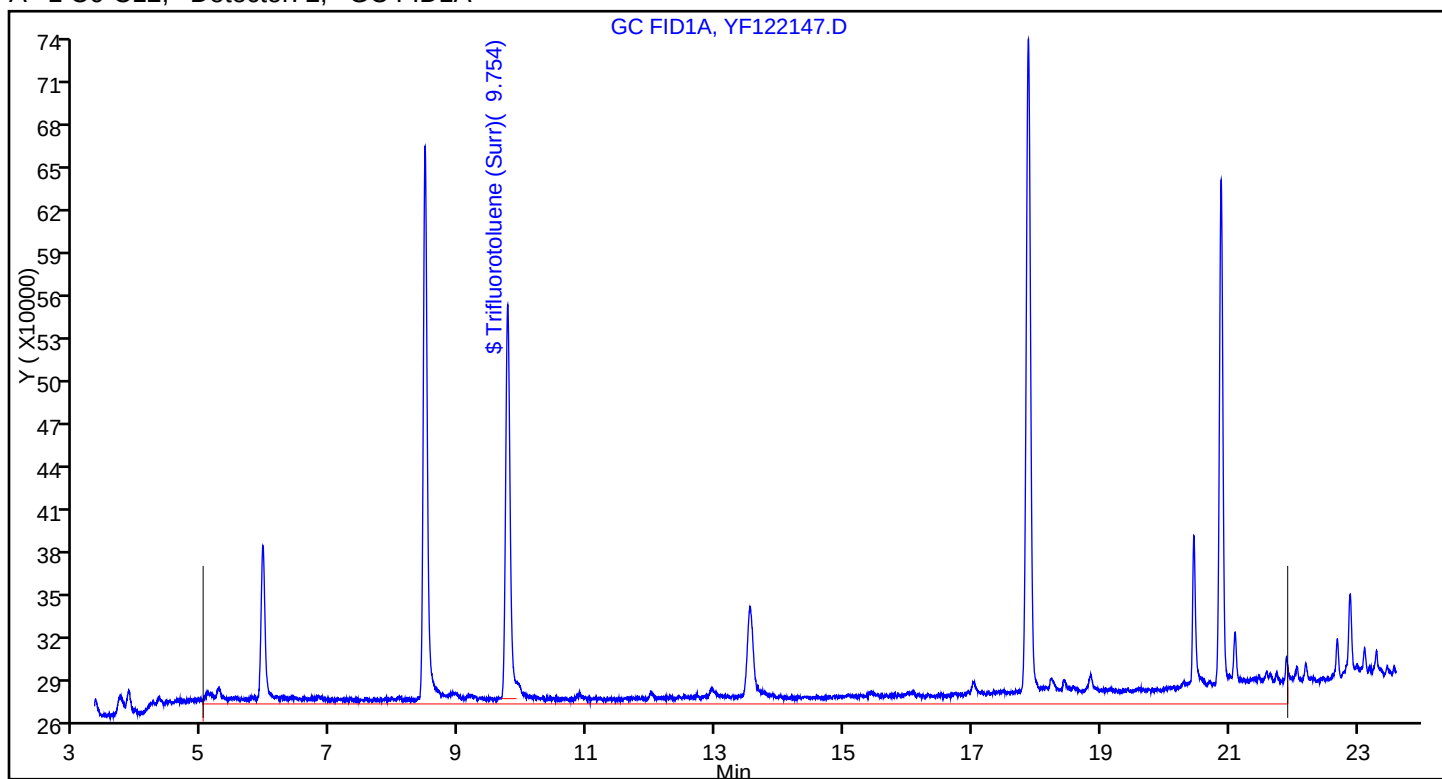
Operator ID: 1765

Purge Vol: 5.000 mL

Column Type:

Column Dia:

A 1 C6-C12, Detector: 2, GC FID1A



FORM VI  
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 54511

SDG No.: \_\_\_\_\_

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

|         |                   |              |
|---------|-------------------|--------------|
| LEVEL:  | LAB SAMPLE ID:    | LAB FILE ID: |
| Level 1 | STD1 240-54511/6  | YF081506.D   |
| Level 2 | STD2 240-54511/7  | YF081507.D   |
| Level 3 | STD3 240-54511/8  | YF081508.D   |
| Level 4 | STD4 240-54511/9  | YF081509.D   |
| Level 5 | STD5 240-54511/10 | YF081510.D   |
| Level 6 | STD6 240-54511/11 | YF081511.D   |

| ANALYTE                 | LVL 1  | LVL 2  | LVL 3  | LVL 4  | LVL 5  | LVL 6  |  |  |  |  | RT WINDOW      | AVG RT |
|-------------------------|--------|--------|--------|--------|--------|--------|--|--|--|--|----------------|--------|
| C6-C10                  | 11.760 | 11.760 | 11.760 | 11.760 | 11.760 | 11.760 |  |  |  |  | 4.755 - 18.765 | 11.760 |
| C6-C12                  | 13.426 | 13.426 | 13.426 | 13.426 | 13.426 | 13.426 |  |  |  |  | 4.855 - 21.997 | 13.426 |
| Trifluorotoluene (Surr) | 9.711  | 9.710  | 9.713  | 9.708  | 9.711  | 9.712  |  |  |  |  | 9.463 - 9.963  | 9.711  |

FORM VI  
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 54511

SDG No.: \_\_\_\_\_

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

|         |                   |              |
|---------|-------------------|--------------|
| LEVEL:  | LAB SAMPLE ID:    | LAB FILE ID: |
| Level 1 | STD1 240-54511/6  | YF081506.D   |
| Level 2 | STD2 240-54511/7  | YF081507.D   |
| Level 3 | STD3 240-54511/8  | YF081508.D   |
| Level 4 | STD4 240-54511/9  | YF081509.D   |
| Level 5 | STD5 240-54511/10 | YF081510.D   |
| Level 6 | STD6 240-54511/11 | YF081511.D   |

| ANALYTE                 | CF               |                  |        |        | CURVE<br>TYPE | COEFFICIENT |            |    | # | MIN CF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-------------------------|------------------|------------------|--------|--------|---------------|-------------|------------|----|---|--------|------|---|-------------|---------------|---|-------------------|
|                         | LVL 1<br>LVL 5   | LVL 2<br>LVL 6   | LVL 3  | LVL 4  |               | B           | M1         | M2 |   |        |      |   |             |               |   |                   |
| C6-C10                  | 183542<br>118119 | 135498<br>128955 | 126511 | 123496 | Ave           |             | 136019.970 |    |   |        | 18.0 |   | 20.0        |               |   |                   |
| C6-C12                  | 255673<br>133903 | 170408<br>145976 | 149081 | 141314 | Lin           | 6701438.48  | 136365.157 |    |   |        |      |   |             | 0.9940        |   | 0.9900            |
| Trifluorotoluene (Surr) | 136571<br>165376 | 137906<br>183597 | 145025 | 153818 | Ave           |             | 153715.733 |    |   |        | 12.0 |   | 20.0        |               |   |                   |

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

FORM VI  
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-18735-1 Analy Batch No.: 54511

SDG No.: \_\_\_\_\_

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

|         |                   |              |
|---------|-------------------|--------------|
| LEVEL:  | LAB SAMPLE ID:    | LAB FILE ID: |
| Level 1 | STD1 240-54511/6  | YF081506.D   |
| Level 2 | STD2 240-54511/7  | YF081507.D   |
| Level 3 | STD3 240-54511/8  | YF081508.D   |
| Level 4 | STD4 240-54511/9  | YF081509.D   |
| Level 5 | STD5 240-54511/10 | YF081510.D   |
| Level 6 | STD6 240-54511/11 | YF081511.D   |

| ANALYTE                 | 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 |
| C6-C10                  | Ave        | 18354154<br>206328514 | 27099537 | 50604228 | 98796615  | 141742722 | 100<br>1600          | 200   | 400   | 800   | 1200  |
| C6-C12                  | Lin        | 25567346<br>233562173 | 34081672 | 59632568 | 113051081 | 160683965 | 100<br>1600          | 200   | 400   | 800   | 1200  |
| Trifluorotoluene (Surr) | Ave        | 1365710<br>1835973    | 1379064  | 1450251  | 1538182   | 1653764   | 10.0<br>10.0         | 10.0  | 10.0  | 10.0  | 10.0  |

Curve Type Legend:

|               |
|---------------|
| Ave = Average |
| Lin = Linear  |



TestAmerica Laboratories  
Target Compound Quantitation Report

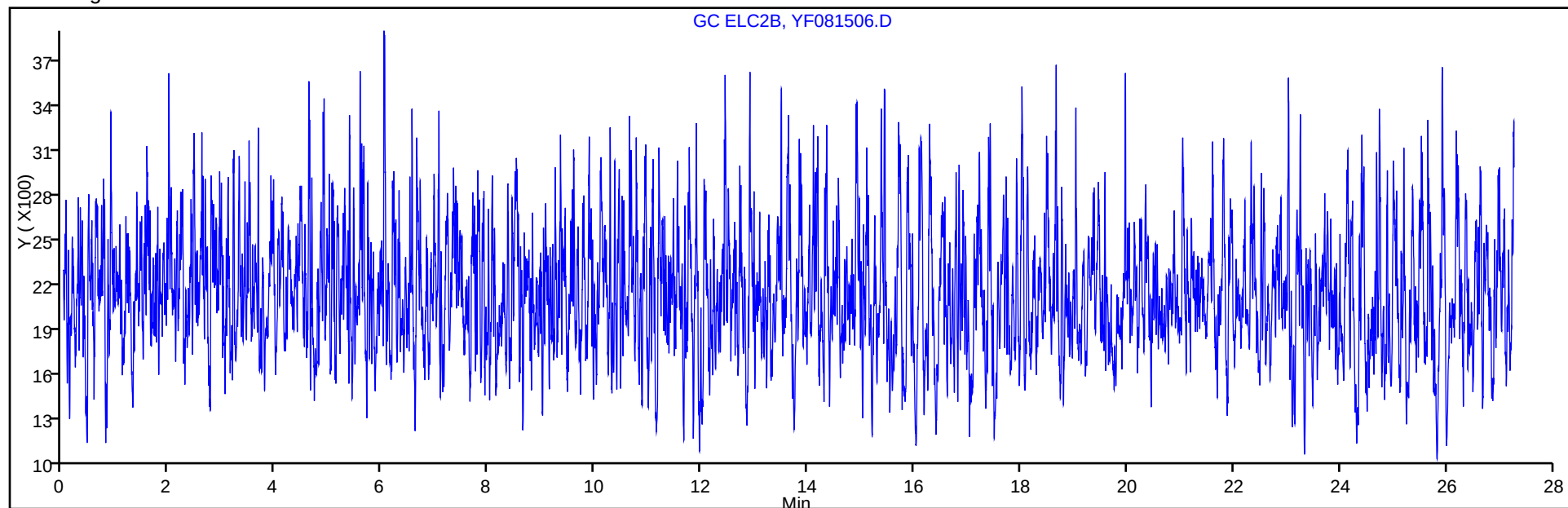
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Inject. Date: 15-Aug-2012 18:36:54 Dil. Factor: 1.0000  
Sample Type: IC Calib Level: 1  
Sample ID: 240-0012413-006  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Vol. Injected: 1.0000 ALS Bottle#: 1  
Lims Batch ID: 54511 Lims Sample ID: 6  
Sublist: chrom-Y80158021\*sub7  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m  
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Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Process Host: XAWRK030

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.477          | -8.477    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.711  | 9.713          | -0.002    | 1365710  | 8.88               |       |
| A 5 C6-C10                    | 2   | 11.760 | 4.755 - 18.765 |           | 18354154 | 134.9              |       |
| A 1 C6-C12                    | 2   | 13.426 | 4.855 - 21.997 |           | 25567346 | 138.3              |       |

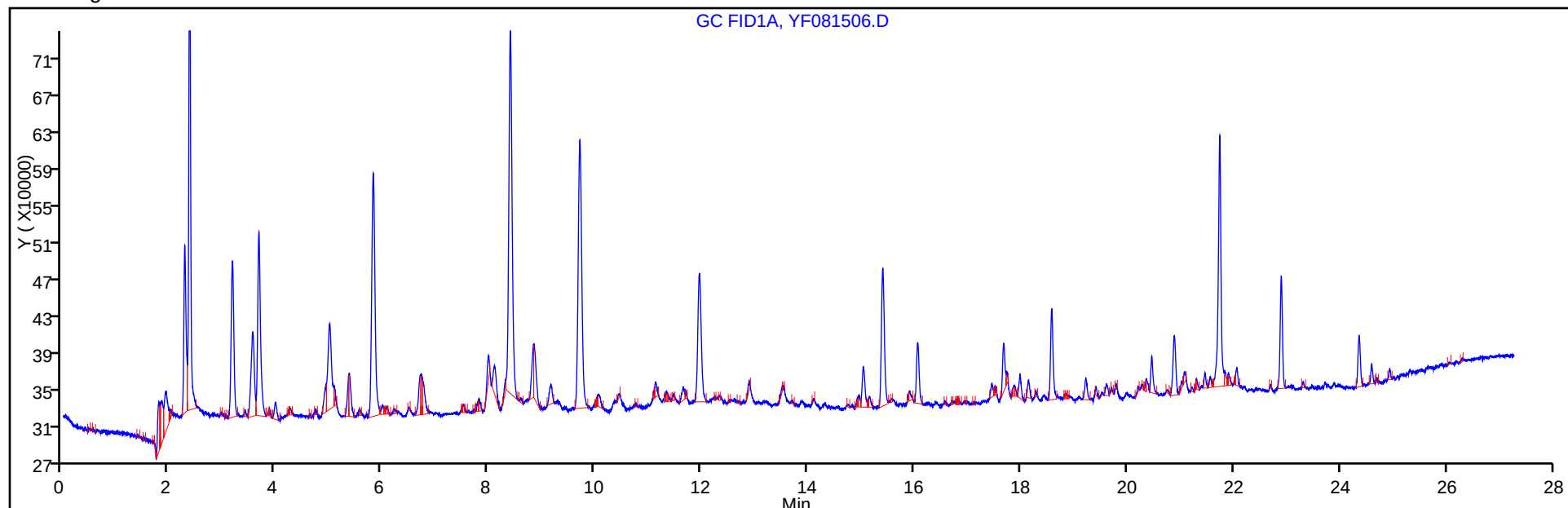
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Client ID:  
Lims Batch ID: 54511  
Operator ID: 1765

Chrom Revision: 2.0 17-Jul-2012 17:32:54  
Limit Group: GCV 8015B GRO ICAL  
Instrument ID: YPID  
Lims Sample ID: 6

Y Scaling:



Y Scaling:



TestAmerica Laboratories  
Target Compound Quantitation Report

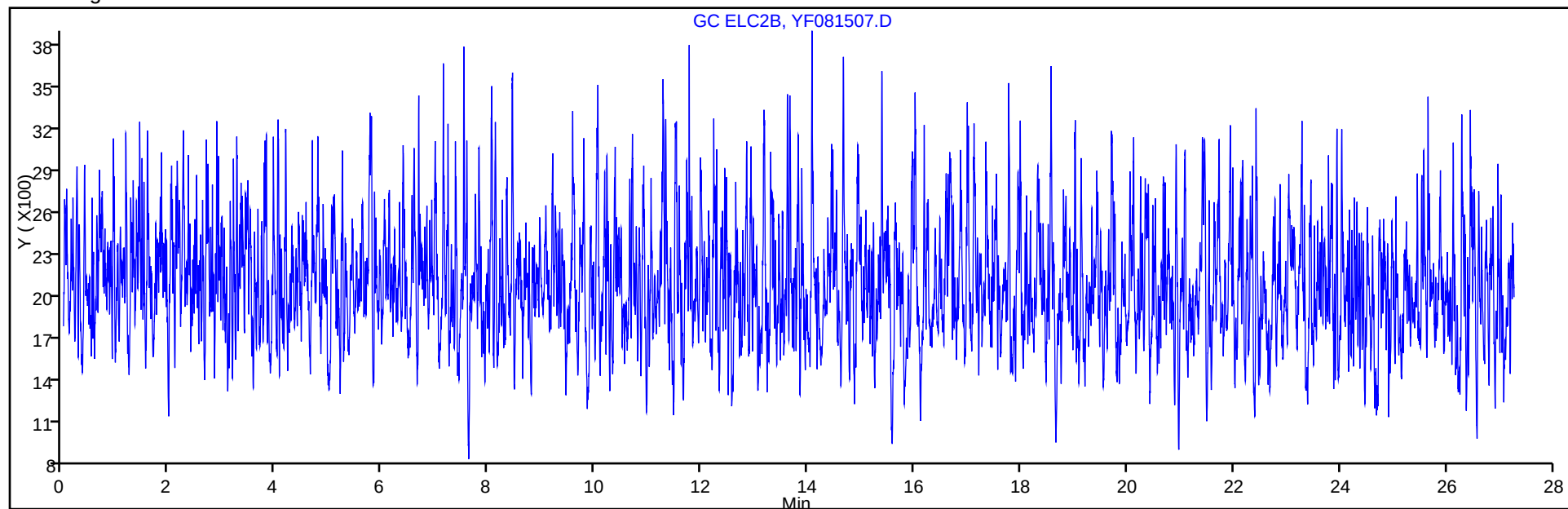
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Lims ID: STD2 GAS Client ID:  
Inject. Date: 15-Aug-2012 19:17:42 Dil. Factor: 1.0000  
Sample Type: IC Calib Level: 2  
Sample ID: 240-0012413-007  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Vol. Injected: 1.0000 ALS Bottle#: 1  
Lims Batch ID: 54511 Lims Sample ID: 7  
Sublist: chrom-Y80158021\*sub7  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m  
Last Update: 16-Aug-2012 12:49:28 Calib Date: 15-Aug-2012 22:00:09  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Process Host: XAWRK030

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.477          | -8.477    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.710  | 9.713          | -0.003    | 1379064  | 8.97               |       |
| A 5 C6-C10                    | 2   | 11.760 | 4.755 - 18.765 |           | 27099537 | 199.2              |       |
| A 1 C6-C12                    | 2   | 13.426 | 4.855 - 21.997 |           | 34081672 | 200.8              |       |

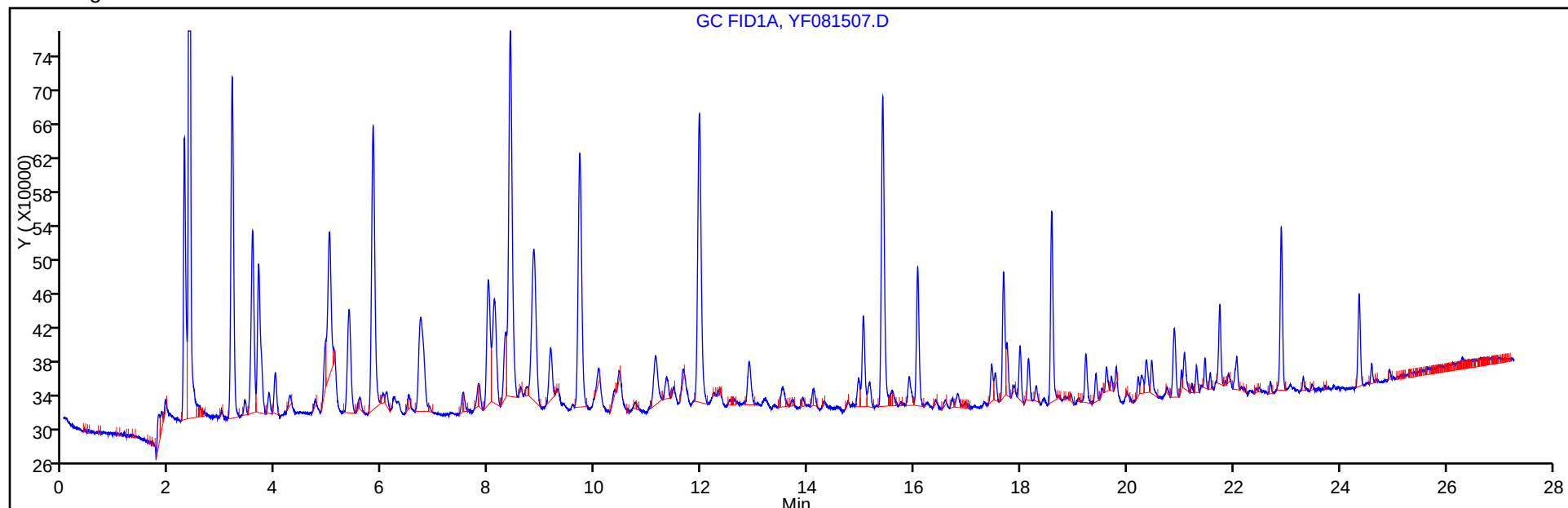
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Client ID:  
Lims Batch ID: 54511  
Operator ID: 1765

Chrom Revision: 2.0 17-Jul-2012 17:32:54  
Limit Group: GCV 8015B GRO ICAL  
Instrument ID: YPID  
Lims Sample ID: 7

Y Scaling:



Y Scaling:



TestAmerica Laboratories  
Target Compound Quantitation Report

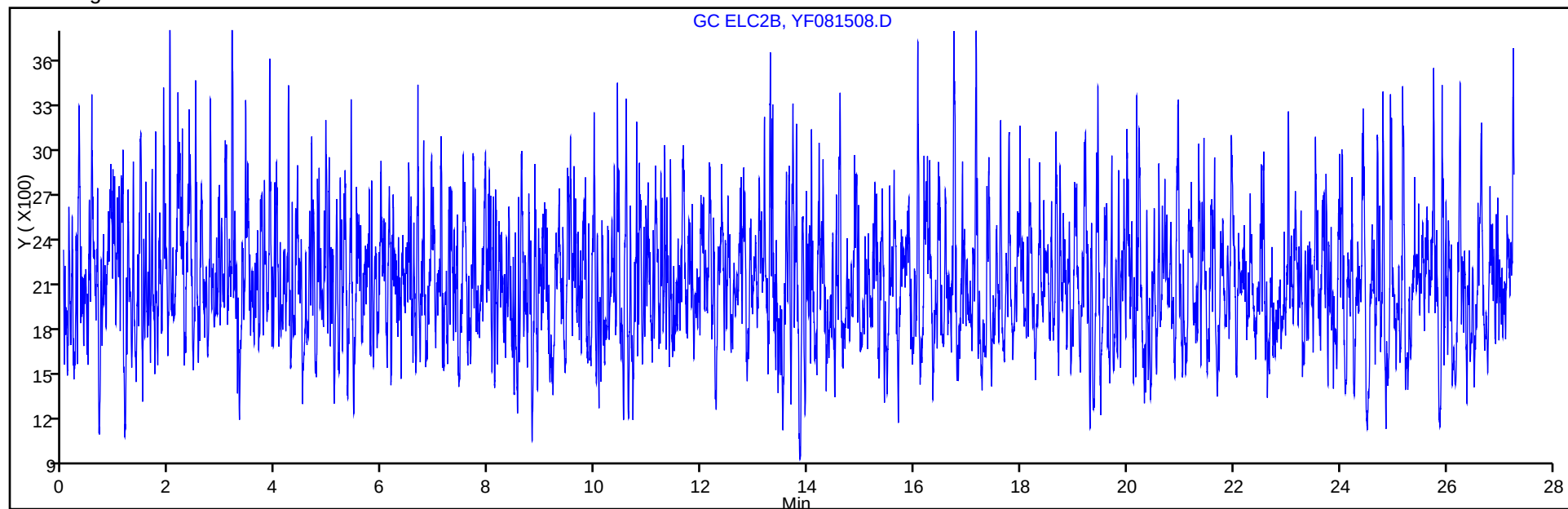
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Lims ID: STD3 GAS Client ID:  
Inject. Date: 15-Aug-2012 19:58:01 Dil. Factor: 1.0000  
Sample Type: IC Calib Level: 3  
Sample ID: 240-0012413-008  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Vol. Injected: 1.0000 ALS Bottle#: 1  
Lims Batch ID: 54511 Lims Sample ID: 8  
Sublist: chrom-Y80158021\*sub7  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m  
Last Update: 16-Aug-2012 12:49:32 Calib Date: 15-Aug-2012 22:00:09  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Process Host: XAWRK030

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.477          | -8.477    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.713  | 9.713          | 0.0       | 1450251  | 9.43               |       |
| A 5 C6-C10                    | 2   | 11.760 | 4.755 - 18.765 |           | 50604228 | 372.0              |       |
| A 1 C6-C12                    | 2   | 13.426 | 4.855 - 21.997 |           | 59632568 | 388.2              |       |

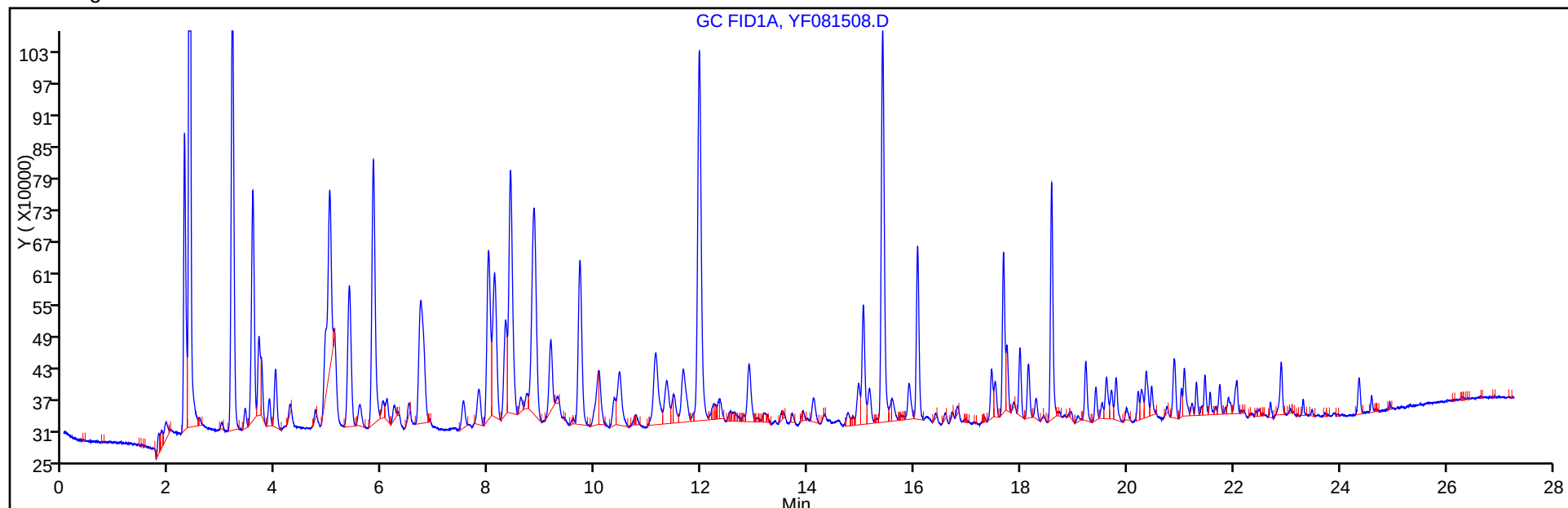
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Client ID:  
Lims Batch ID: 54511  
Operator ID: 1765

Chrom Revision: 2.0 17-Jul-2012 17:32:54  
Limit Group: GCV 8015B GRO ICAL  
Instrument ID: YPID  
Lims Sample ID: 8

Y Scaling:



Y Scaling:



TestAmerica Laboratories  
Target Compound Quantitation Report

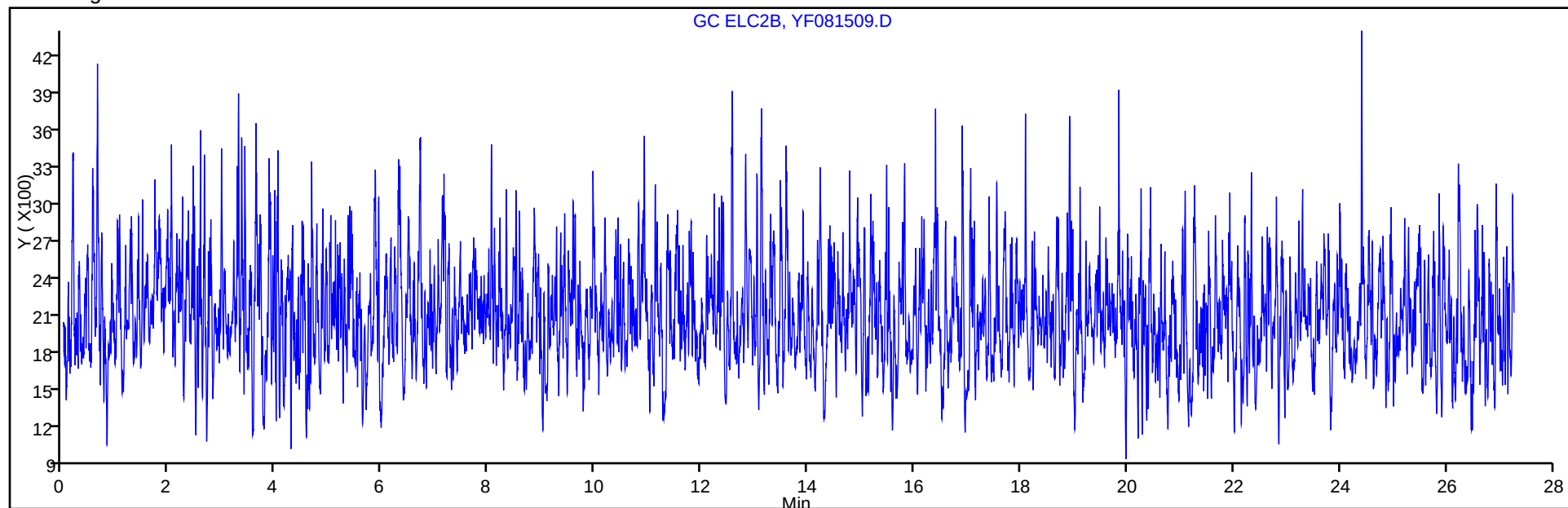
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081509.D  
Lims ID: STD4 GAS Client ID:  
Inject. Date: 15-Aug-2012 20:39:09 Dil. Factor: 1.0000  
Sample Type: ICRT Calib Level: 4  
Sample ID: 240-0012413-009  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Vol. Injected: 1.0000 ALS Bottle#: 1  
Lims Batch ID: 54511 Lims Sample ID: 9  
Sublist: chrom-Y80158021\*sub7  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m  
Last Update: 16-Aug-2012 12:49:36 Calib Date: 15-Aug-2012 22:00:09  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Process Host: XAWRK030

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.477          | -8.477    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.708  | 9.708          | 0.0       | 1538182   | 10.0               |       |
| A 5 C6-C10                    | 2   | 11.760 | 4.755 - 18.765 |           | 98796615  | 726.3              |       |
| A 1 C6-C12                    | 2   | 13.426 | 4.855 - 21.997 |           | 113051081 | 779.9              |       |

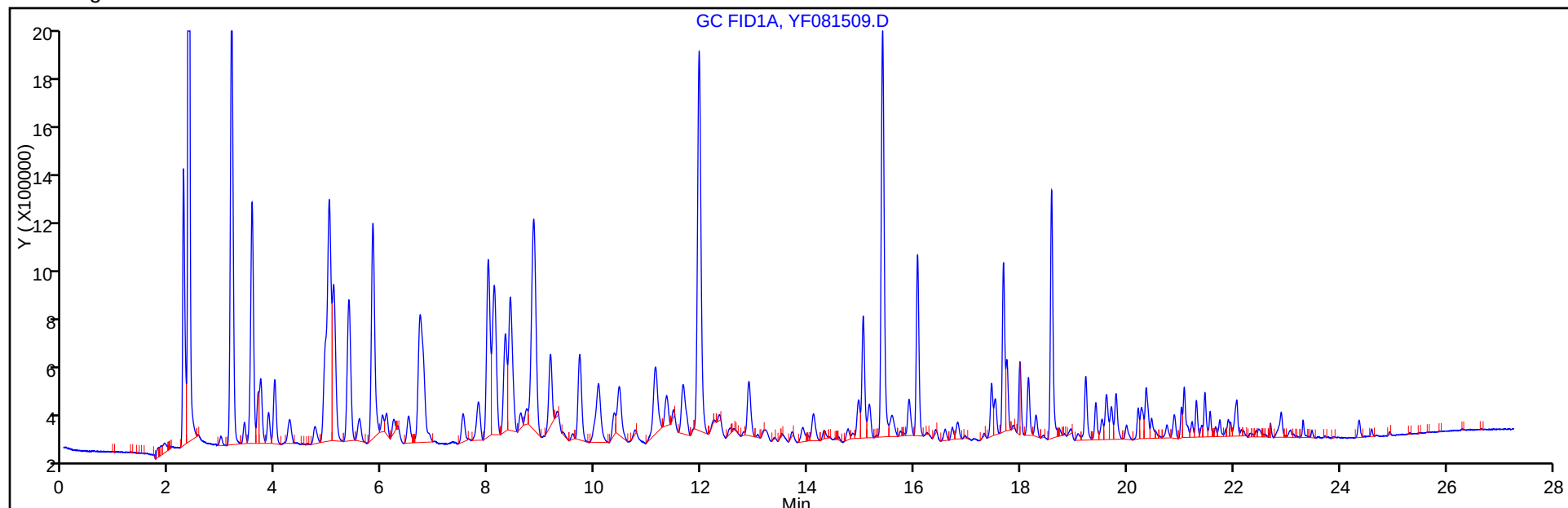
Report Date: 16-Aug-2012 12:49:36  
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Injection Date: 15-Aug-2012 20:39:09  
Client ID:  
Lims Batch ID: 54511  
Operator ID: 1765

Chrom Revision: 2.0 17-Jul-2012 17:32:54  
Limit Group: GCV 8015B GRO ICAL  
Instrument ID: YPID  
Lims Sample ID: 9

Y Scaling:



Y Scaling:





TestAmerica Laboratories  
Target Compound Quantitation Report

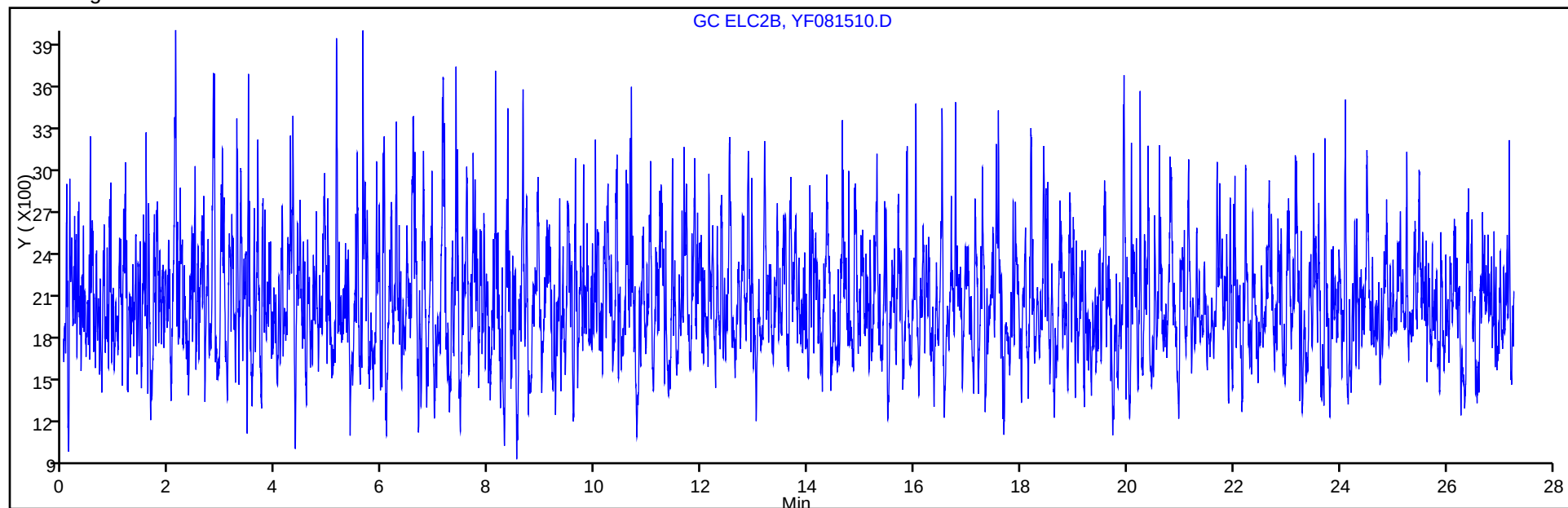
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081510.D  
Lims ID: STD5 GAS Client ID:  
Inject. Date: 15-Aug-2012 21:19:54 Dil. Factor: 1.0000  
Sample Type: IC Calib Level: 5  
Sample ID: 240-0012413-010  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Vol. Injected: 1.0000 ALS Bottle#: 1  
Lims Batch ID: 54511 Lims Sample ID: 10  
Sublist: chrom-Y80158021\*sub7  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m  
Last Update: 16-Aug-2012 12:49:40 Calib Date: 15-Aug-2012 22:00:09  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Process Host: XAWRK030

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.477          | -8.477    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.711  | 9.708          | 0.003     | 1653764   | 10.8               |       |
| A 5 C6-C10                    | 2   | 11.760 | 4.755 - 18.765 |           | 141742722 | 1042.1             |       |
| A 1 C6-C12                    | 2   | 13.426 | 4.855 - 21.997 |           | 160683965 | 1129.2             |       |

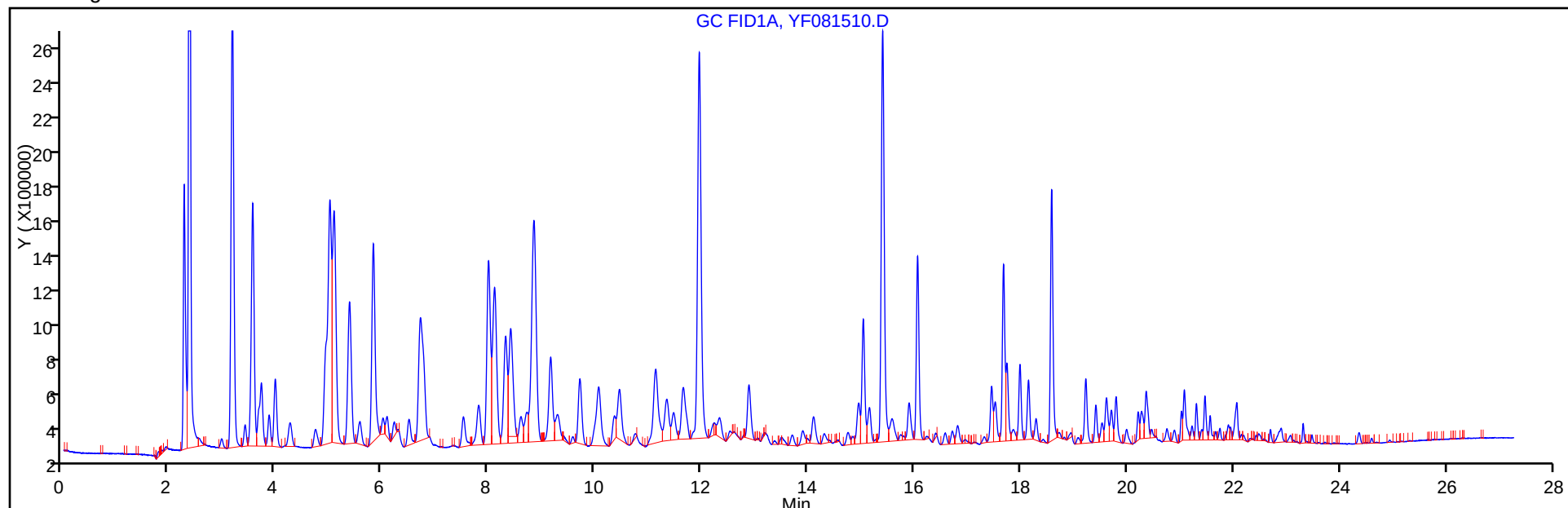
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Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081510.D  
Injection Date: 15-Aug-2012 21:19:54  
Client ID:  
Lims Batch ID: 54511  
Operator ID: 1765

Chrom Revision: 2.0 17-Jul-2012 17:32:54  
Limit Group: GCV 8015B GRO ICAL  
Instrument ID: YPID  
Lims Sample ID: 10

Y Scaling:



Y Scaling:



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D  
Lims ID: STD6 GAS Client ID:  
Inject. Date: 15-Aug-2012 22:00:09 Dil. Factor: 1.0000  
Sample Type: IC Calib Level: 6  
Sample ID: 240-0012413-011  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Vol. Injected: 1.0000 ALS Bottle#: 1  
Lims Batch ID: 54511 Lims Sample ID: 11  
Sublist: chrom-Y80158021\*sub7  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m  
Last Update: 16-Aug-2012 12:49:43 Calib Date: 15-Aug-2012 22:00:09  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Process Host: XAWRK030

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.477          | -8.477    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.712  | 9.708          | 0.004     | 1835973   | 11.9               |       |
| A 5 C6-C10                    | 2   | 11.760 | 4.755 - 18.765 |           | 206328514 | 1516.9             |       |
| A 1 C6-C12                    | 2   | 13.426 | 4.855 - 21.997 |           | 233562173 | 1663.6             |       |

Report Date: 16-Aug-2012 12:49:44

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D

Injection Date: 15-Aug-2012 22:00:09

Limit Group: GCV 8015B GRO ICAL

Client ID:

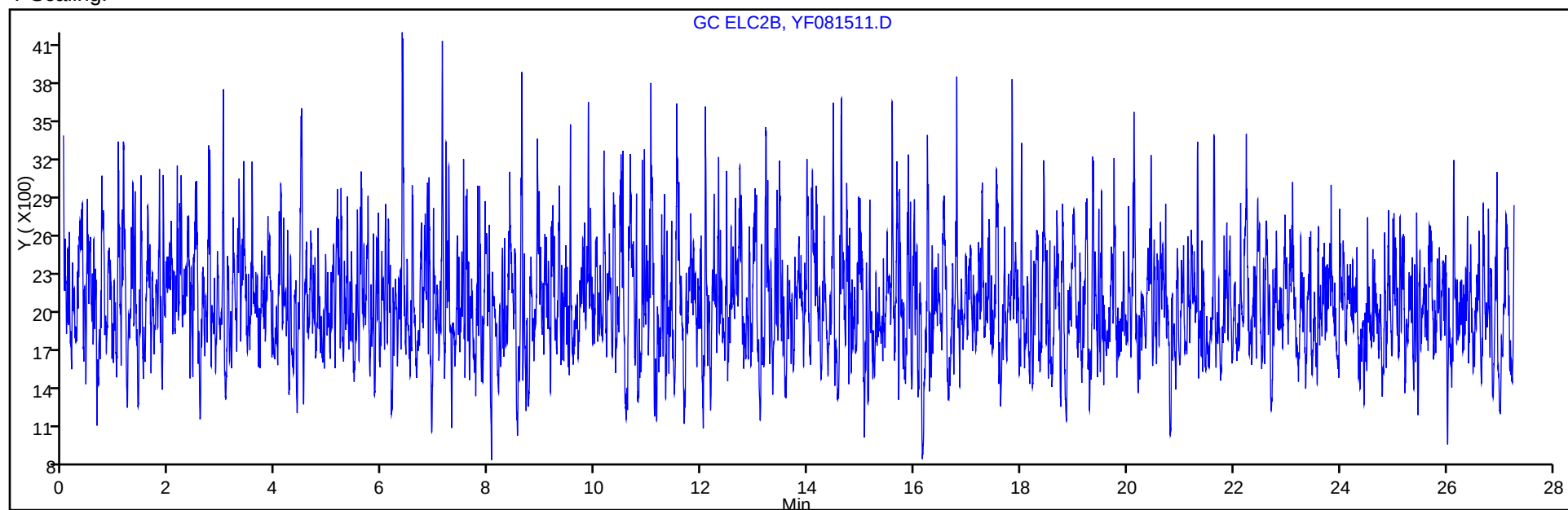
Instrument ID: YPID

Lims Batch ID: 54511

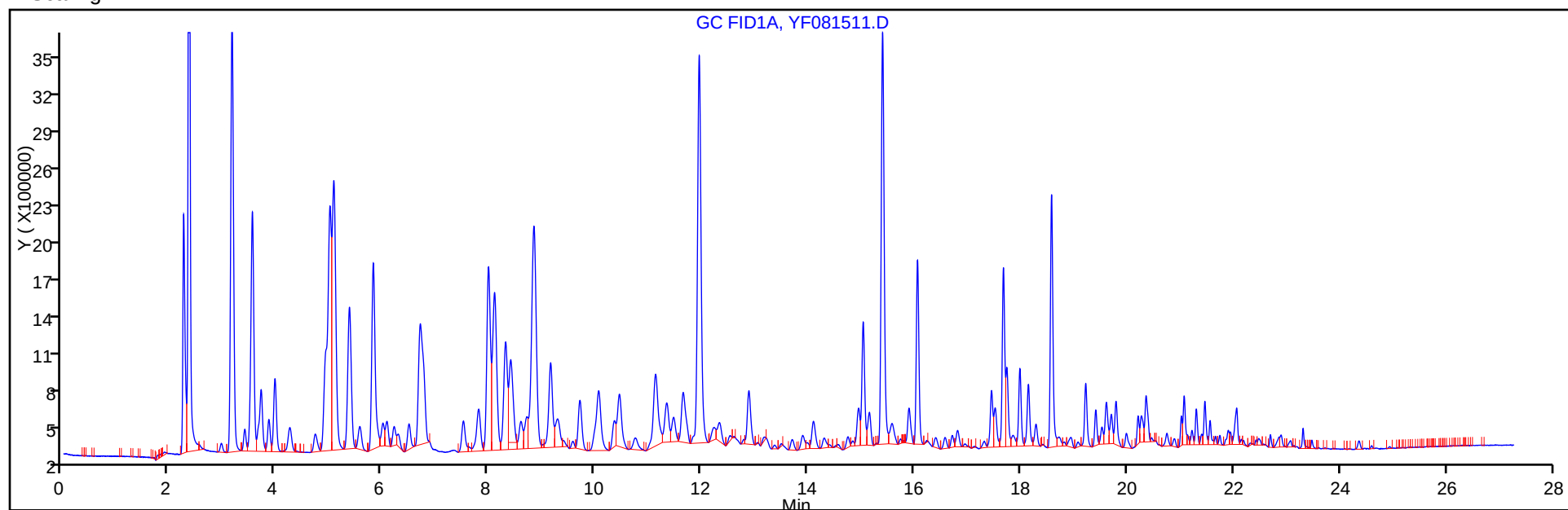
Lims Sample ID: 11

Operator ID: 1765

Y Scaling:



Y Scaling:



FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: ICV 240-54511/12 Calibration Date: 08/15/2012 22:40  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF081512.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                 | CURVE<br>TYPE | AVE CF | CF     | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D   | MAX<br>%D |
|-------------------------|---------------|--------|--------|--------|----------------|-----------------|------|-----------|
| C6-C10                  | Ave           | 136020 | 146461 |        | 861            | 800             | 7.7  | 20.0      |
| C6-C12                  | Lin           |        | 171870 |        | 959            | 800             | 19.9 | 20.0      |
| Trifluorotoluene (Surr) | Ave           | 153716 | 157910 |        | 10.3           | 10.0            | 2.7  | 20.0      |

FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: ICV 240-54511/12 Calibration Date: 08/15/2012 22:40  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF081512.D Heated Purge: (Y/N) N

| Analyte                 | RT    | RT WINDOW |       |
|-------------------------|-------|-----------|-------|
|                         |       | FROM      | TO    |
| C6-C10                  | 11.76 | 4.76      | 18.77 |
| C6-C12                  | 13.43 | 4.86      | 22.00 |
| Trifluorotoluene (Surr) | 9.72  | 9.46      | 9.96  |

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081512.D  
Lims ID: ICV GAS Client ID:  
Inject. Date: 15-Aug-2012 22:40:41 Dil. Factor: 1.0000  
Sample Type: ICV  
Sample ID: 240-0012413-012  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Vol. Injected: 1.0000 ALS Bottle#: 1  
Lims Batch ID: 54511 Lims Sample ID: 12  
Sublist:  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m  
Last Update: 16-Aug-2012 12:49:43 Calib Date: 15-Aug-2012 22:00:09  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Process Host: XAWRK030

First Level Reviewer: bolgrind

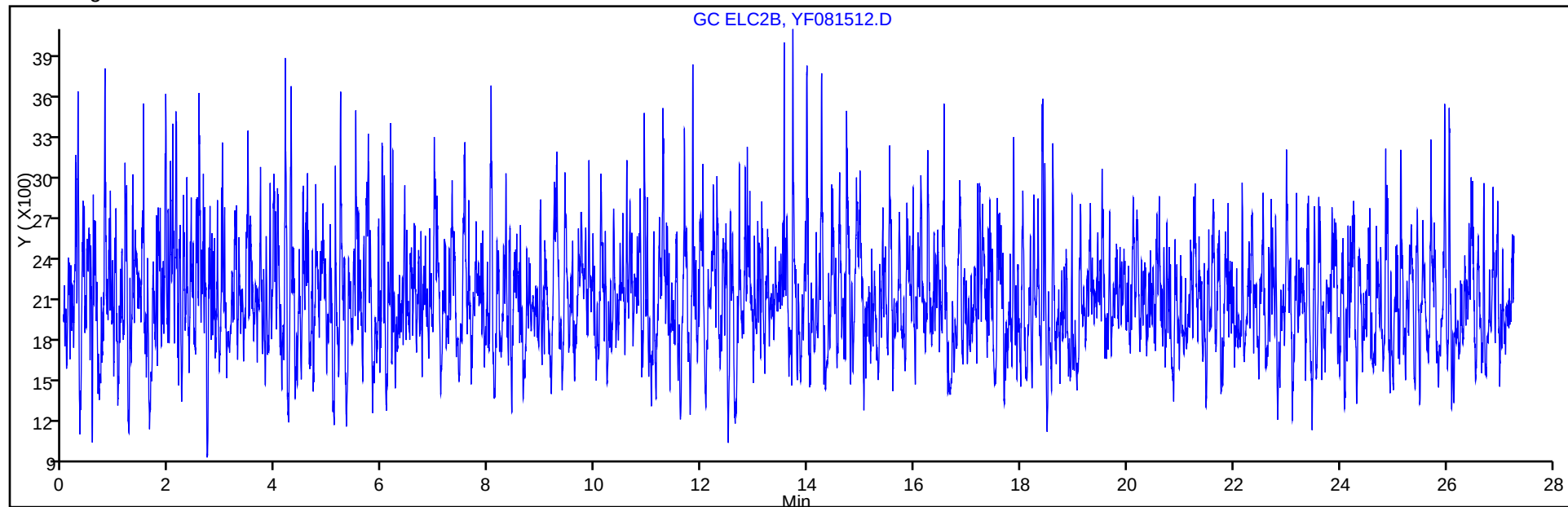
Date: 16-Aug-2012 08:25:42

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.477          | -8.477    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.715  | 9.708          | 0.007     | 1579095   | 10.3               |       |
| A 5 C6-C10                    | 2   | 11.760 | 4.755 - 18.765 |           | 117168930 | 861.4              |       |
| A 1 C6-C12                    | 2   | 13.426 | 4.855 - 21.997 |           | 137496376 | 959.2              |       |

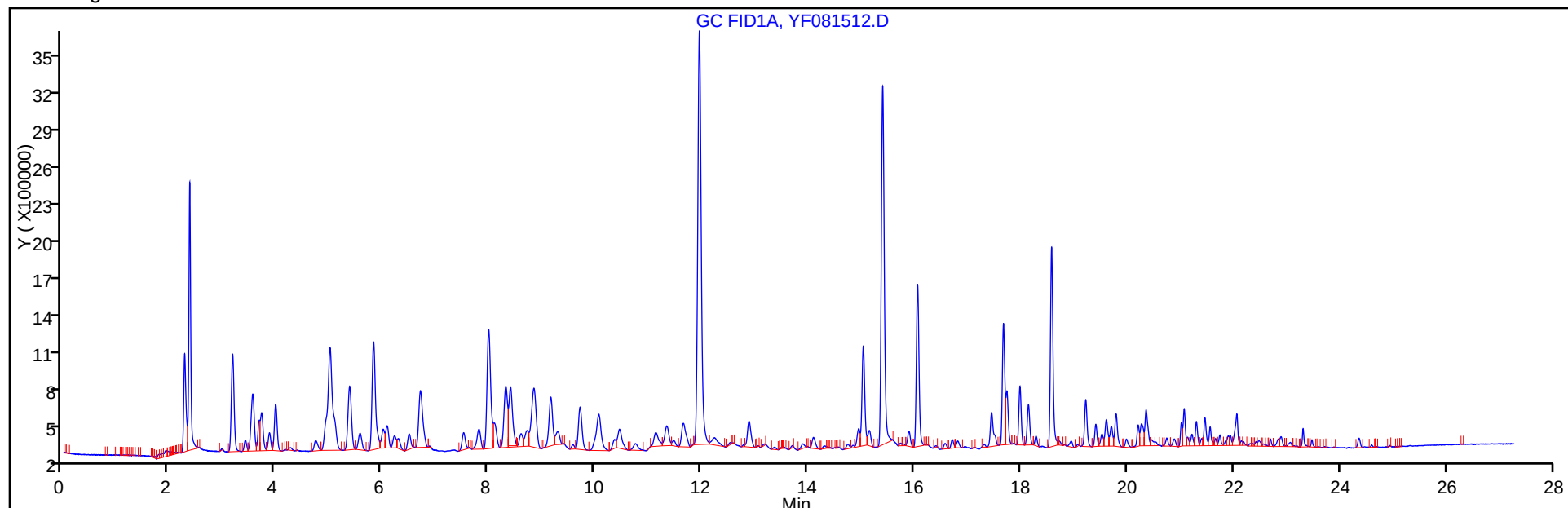
Report Date: 16-Aug-2012 12:49:48  
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081512.D  
Injection Date: 15-Aug-2012 22:40:41  
Client ID:  
Lims Batch ID: 54511  
Operator ID: 1765

Chrom Revision: 2.0 17-Jul-2012 17:32:54  
Limit Group: GCV 8015B GRO ICAL  
Instrument ID: YPID  
Lims Sample ID: 12

Y Scaling:



Y Scaling:





FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/5 Calibration Date: 12/21/2012 13:05  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122105.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                 | CURVE<br>TYPE | AVE CF | CF     | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D   | MAX<br>%D |
|-------------------------|---------------|--------|--------|--------|----------------|-----------------|------|-----------|
| C6-C10                  | Ave           | 136020 | 129576 |        | 762            | 800             | -4.7 | 15.0      |
| C6-C12                  | Lin           |        | 146585 |        | 811            | 800             | 1.4  | 15.0      |
| Trifluorotoluene (Surr) | Ave           | 153716 | 149144 |        | 9.70           | 10.0            | -3.0 | 15.0      |

FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/5 Calibration Date: 12/21/2012 13:05  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122105.D Heated Purge: (Y/N) N

| Analyte                 | RT    | RT WINDOW |       |
|-------------------------|-------|-----------|-------|
|                         |       | FROM      | TO    |
| C6-C10                  | 11.83 | 4.90      | 18.76 |
| C6-C12                  | 13.46 | 5.00      | 21.92 |
| Trifluorotoluene (Surr) | 9.76  | 9.51      | 10.01 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122105.D  
Lims ID: CCV GAS Client ID:  
Inject. Date: 21-Dec-2012 13:05:41 Dil. Factor: 1.0000  
Sample Type: CCVRT  
Sample ID: 240-0016087-005  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Purge Vol: 5.000 mL ALS Bottle#: 1  
Lims Batch ID: 69738 Lims Sample ID: 5  
Sublist: chrom-Y80158021\*sub7  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
Last Update: 26-Dec-2012 15:17:27 Calib Date: 27-Aug-2012 15:06:37  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Column Type: Column Dia:  
Process Host: XAWRK003

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.418          | -8.418    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.757  | 9.757          | 0.0       | 1491435   | 9.70               |       |
| A 5 C6-C10                    | 2   | 11.831 | 4.901 - 18.760 |           | 103660780 | 762.1              |       |
| A 1 C6-C12                    | 2   | 13.461 | 5.001 - 21.920 |           | 117268370 | 810.8              |       |

Report Date: 26-Dec-2012 15:17:28

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122105.D

Injection Date: 21-Dec-2012 13:05:41

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 5

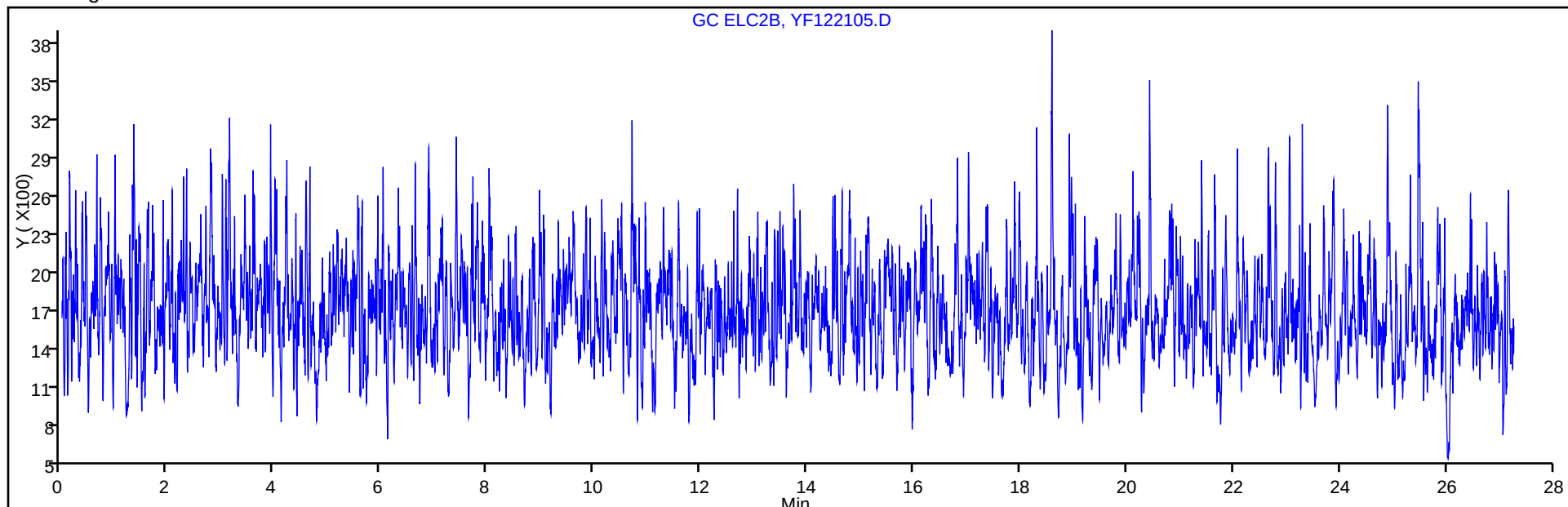
Operator ID: 1765

Purge Vol: 5.000 mL

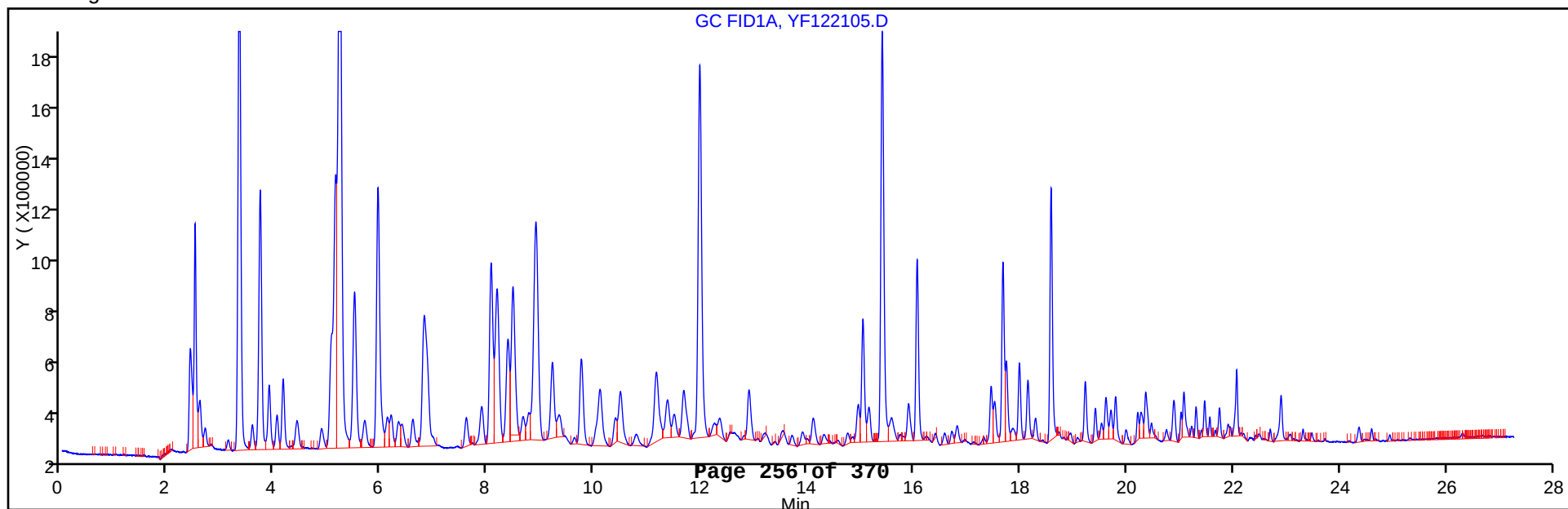
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/10 Calibration Date: 12/21/2012 16:14  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122110.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                 | CURVE<br>TYPE | AVE CF | CF     | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D   | MAX<br>%D |
|-------------------------|---------------|--------|--------|--------|----------------|-----------------|------|-----------|
| C6-C10                  | Ave           | 136020 | 123929 |        | 729            | 800             | -8.9 | 15.0      |
| C6-C12                  | Lin           |        | 143680 |        | 794            | 800             | -0.8 | 15.0      |
| Trifluorotoluene (Surr) | Ave           | 153716 | 150916 |        | 9.82           | 10.0            | -1.8 | 15.0      |

FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/10 Calibration Date: 12/21/2012 16:14  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122110.D Heated Purge: (Y/N) N

| Analyte                 | RT    | RT WINDOW |       |
|-------------------------|-------|-----------|-------|
|                         |       | FROM      | TO    |
| C6-C10                  | 11.83 | 4.90      | 18.76 |
| C6-C12                  | 13.46 | 5.00      | 21.92 |
| Trifluorotoluene (Surr) | 9.76  | 9.51      | 10.01 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122110.D  
 Lims ID: CCV GAS Client ID:  
 Inject. Date: 21-Dec-2012 16:14:02 Dil. Factor: 1.0000  
 Sample Type: CCV  
 Sample ID: 240-0016087-010  
 Misc. Info.:  
 Operator: 1765 Instrument ID: YPID  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 69738 Lims Sample ID: 10  
 Sublist: chrom-Y80158021\*sub7  
 Detector 1 : GC ELC2B  
 Detector 2 : GC FID1A  
 Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
 Last Update: 26-Dec-2012 15:17:34 Calib Date: 27-Aug-2012 15:06:37  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
 Limit Group: GCV 8015B GRO ICAL  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK003

First Level Reviewer: bosworthh

Date: 22-Dec-2012 08:33:51

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.418          | -8.418    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.760  | 9.760          | 0.0       | 1509159   | 9.82               |       |
| A 5 C6-C10                    | 2   | 11.831 | 4.901 - 18.760 |           | 99143059  | 728.9              |       |
| A 1 C6-C12                    | 2   | 13.461 | 5.001 - 21.920 |           | 114944011 | 793.8              |       |

Report Date: 26-Dec-2012 15:17:35

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122110.D

Injection Date: 21-Dec-2012 16:14:02

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 10

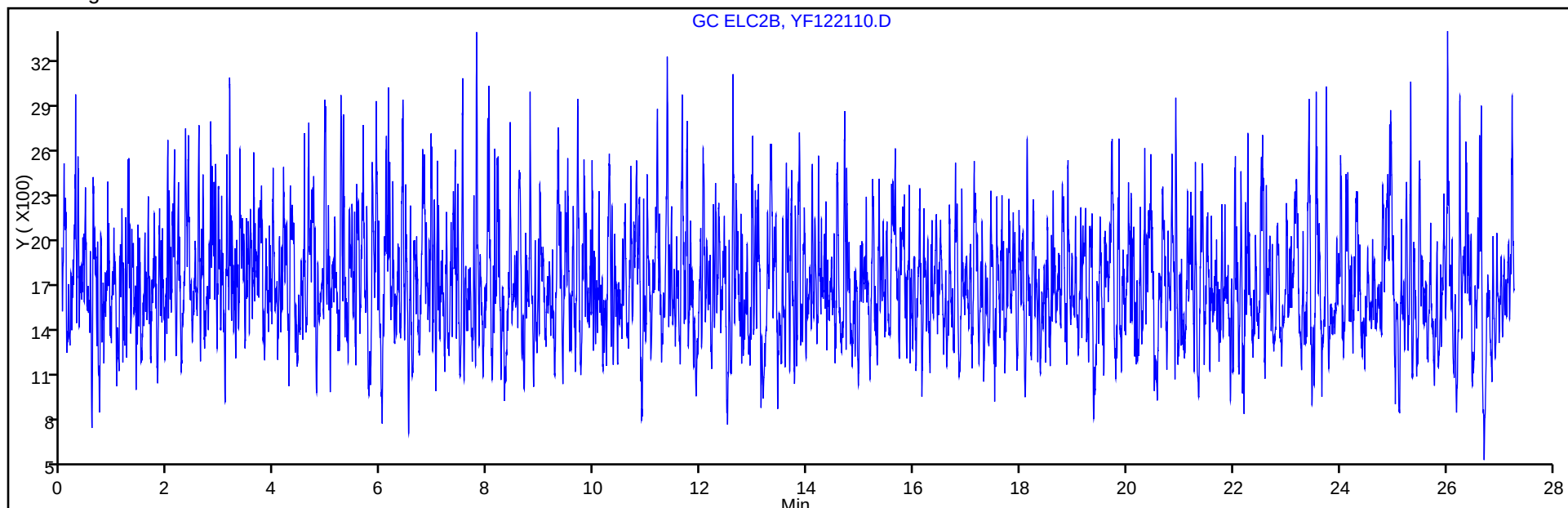
Operator ID: 1765

Purge Vol: 5.000 mL

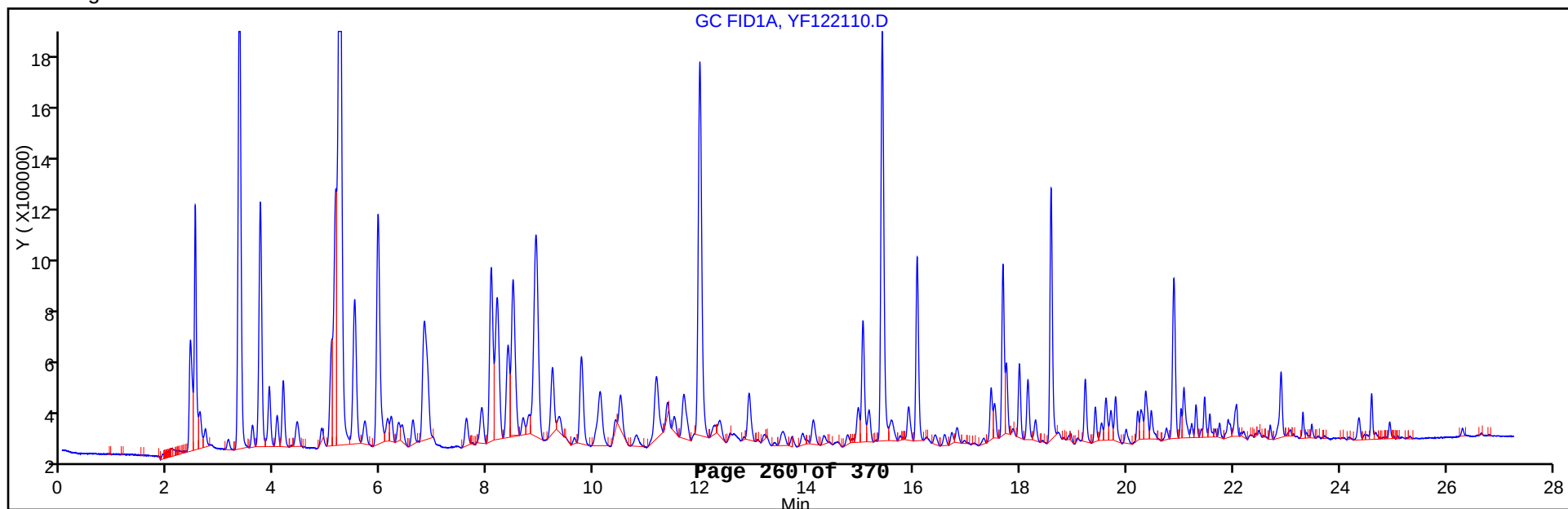
Column Type:

Column Dia:

Y Scaling:



Y Scaling:





FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/34 Calibration Date: 12/22/2012 07:30  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122134.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                 | CURVE<br>TYPE | AVE CF | CF     | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------|---------------|--------|--------|--------|----------------|-----------------|-------|-----------|
| C6-C10                  | Ave           | 136020 | 122012 |        | 718            | 800             | -10.3 | 15.0      |
| C6-C12                  | Lin           |        | 139088 |        | 767            | 800             | -4.1  | 15.0      |
| Trifluorotoluene (Surr) | Ave           | 153716 | 139932 |        | 9.10           | 10.0            | -9.0  | 15.0      |

FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/34 Calibration Date: 12/22/2012 07:30  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122134.D Heated Purge: (Y/N) N

| Analyte                 | RT    | RT WINDOW |       |
|-------------------------|-------|-----------|-------|
|                         |       | FROM      | TO    |
| C6-C10                  | 11.83 | 4.90      | 18.76 |
| C6-C12                  | 13.46 | 5.00      | 21.92 |
| Trifluorotoluene (Surr) | 9.76  | 9.51      | 10.01 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122134.D  
Lims ID: CCV GAS Client ID:  
Inject. Date: 22-Dec-2012 07:30:57 Dil. Factor: 1.0000  
Sample Type: CCV  
Sample ID: 240-0016087-034  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Purge Vol: 5.000 mL ALS Bottle#: 1  
Lims Batch ID: 69738 Lims Sample ID: 34  
Sublist: chrom-Y80158021\*sub7  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
Last Update: 26-Dec-2012 15:18:08 Calib Date: 27-Aug-2012 15:06:37  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Column Type: Column Dia:  
Process Host: XAWRK003

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.418          | -8.418    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.759  | 9.759          | 0.0       | 1399315   | 9.10               |       |
| A 5 C6-C10                    | 2   | 11.831 | 4.901 - 18.760 |           | 97609915  | 717.6              |       |
| A 1 C6-C12                    | 2   | 13.461 | 5.001 - 21.920 |           | 111270285 | 766.8              |       |

Report Date: 26-Dec-2012 15:18:09

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122134.D

Injection Date: 22-Dec-2012 07:30:57

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 34

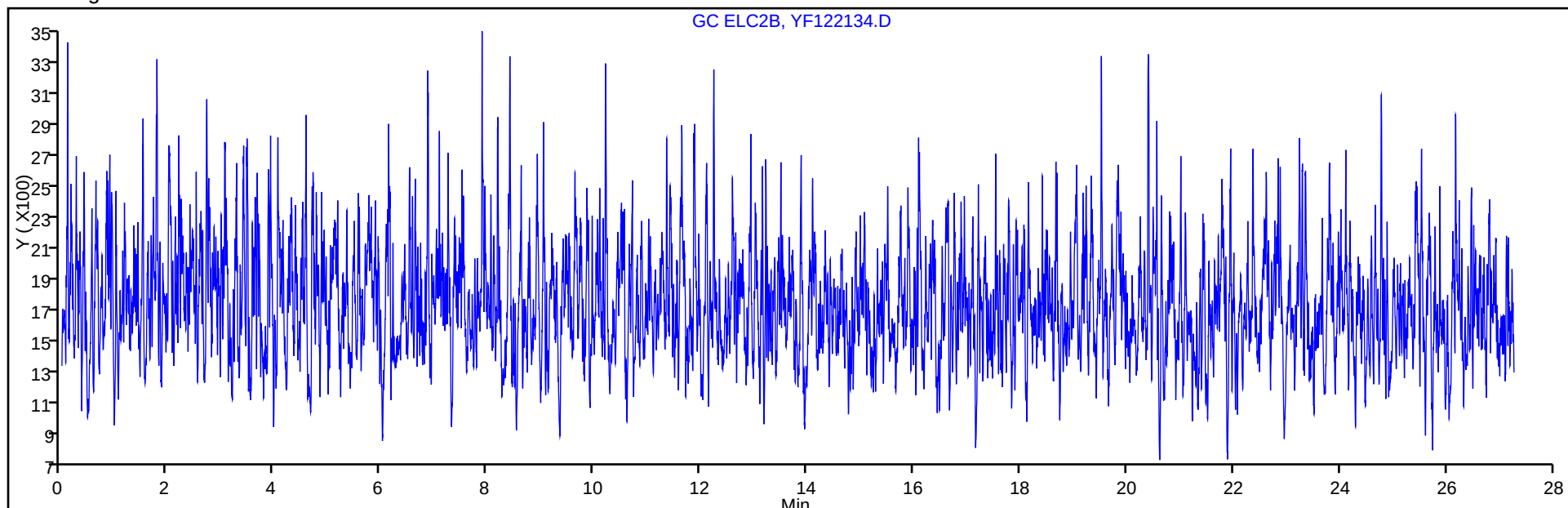
Operator ID: 1765

Purge Vol: 5.000 mL

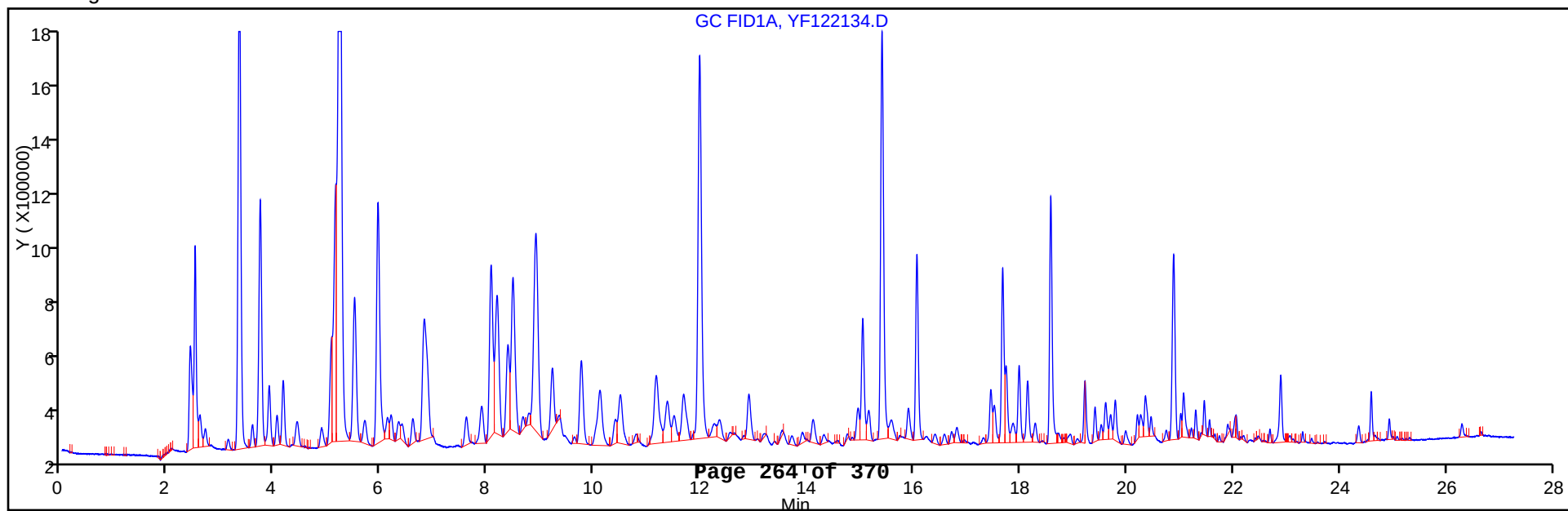
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/45 Calibration Date: 12/22/2012 14:25  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122145.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                 | CURVE<br>TYPE | AVE CF | CF     | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------|---------------|--------|--------|--------|----------------|-----------------|-------|-----------|
| C6-C10                  | Ave           | 136020 | 120381 |        | 708            | 800             | -11.5 | 15.0      |
| C6-C12                  | Lin           |        | 135638 |        | 747            | 800             | -6.7  | 15.0      |
| Trifluorotoluene (Surr) | Ave           | 153716 | 149182 |        | 9.71           | 10.0            | -2.9  | 15.0      |

FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/45 Calibration Date: 12/22/2012 14:25  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122145.D Heated Purge: (Y/N) N

| Analyte                 | RT    | RT WINDOW |       |
|-------------------------|-------|-----------|-------|
|                         |       | FROM      | TO    |
| C6-C10                  | 11.83 | 4.90      | 18.76 |
| C6-C12                  | 13.46 | 5.00      | 21.92 |
| Trifluorotoluene (Surr) | 9.76  | 9.51      | 10.01 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122145.D  
Lims ID: CCV GAS Client ID:  
Inject. Date: 22-Dec-2012 14:25:29 Dil. Factor: 1.0000  
Sample Type: CCV  
Sample ID: 240-0016087-045  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Purge Vol: 5.000 mL ALS Bottle#: 1  
Lims Batch ID: 69738 Lims Sample ID: 45  
Sublist: chrom-Y80158021\*sub7  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
Last Update: 26-Dec-2012 15:23:28 Calib Date: 27-Aug-2012 15:06:37  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Column Type: Column Dia:  
Process Host: XAWRK003

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.418          | -8.418    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.757  | 9.757          | 0.0       | 1491818   | 9.71               |       |
| A 5 C6-C10                    | 2   | 11.831 | 4.901 - 18.760 |           | 96304427  | 708.0              |       |
| A 1 C6-C12                    | 2   | 13.461 | 5.001 - 21.920 |           | 108510319 | 746.6              |       |

Report Date: 26-Dec-2012 15:23:28

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122145.D

Injection Date: 22-Dec-2012 14:25:29

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 45

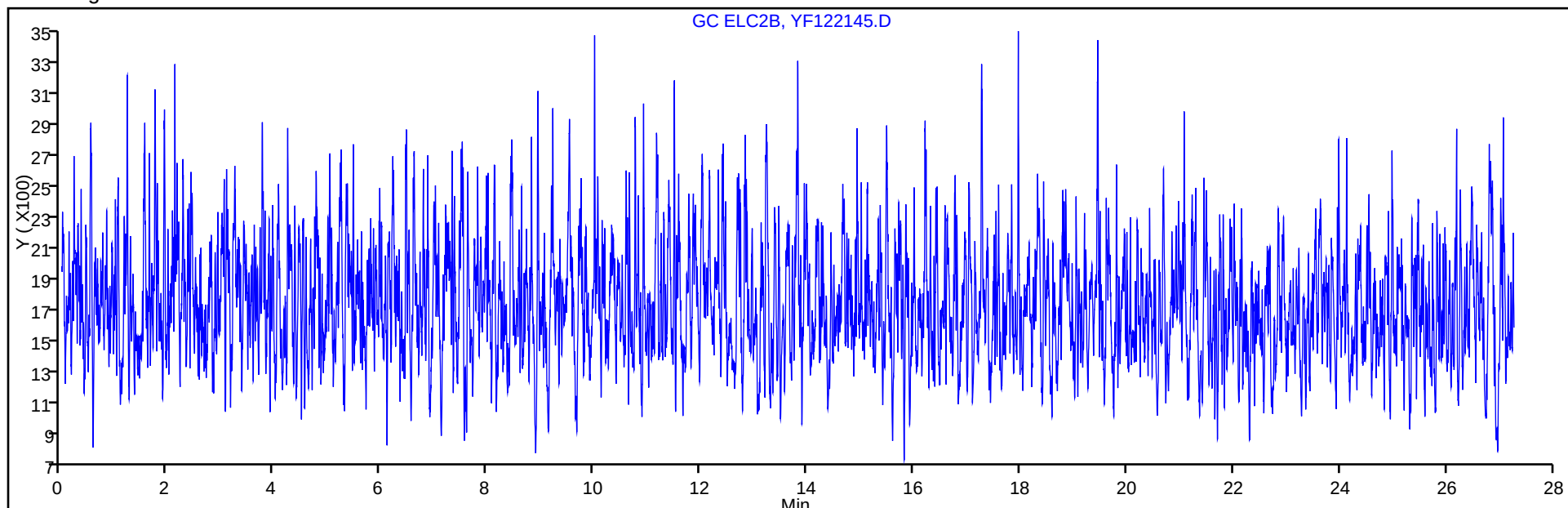
Operator ID: 1765

Purge Vol: 5.000 mL

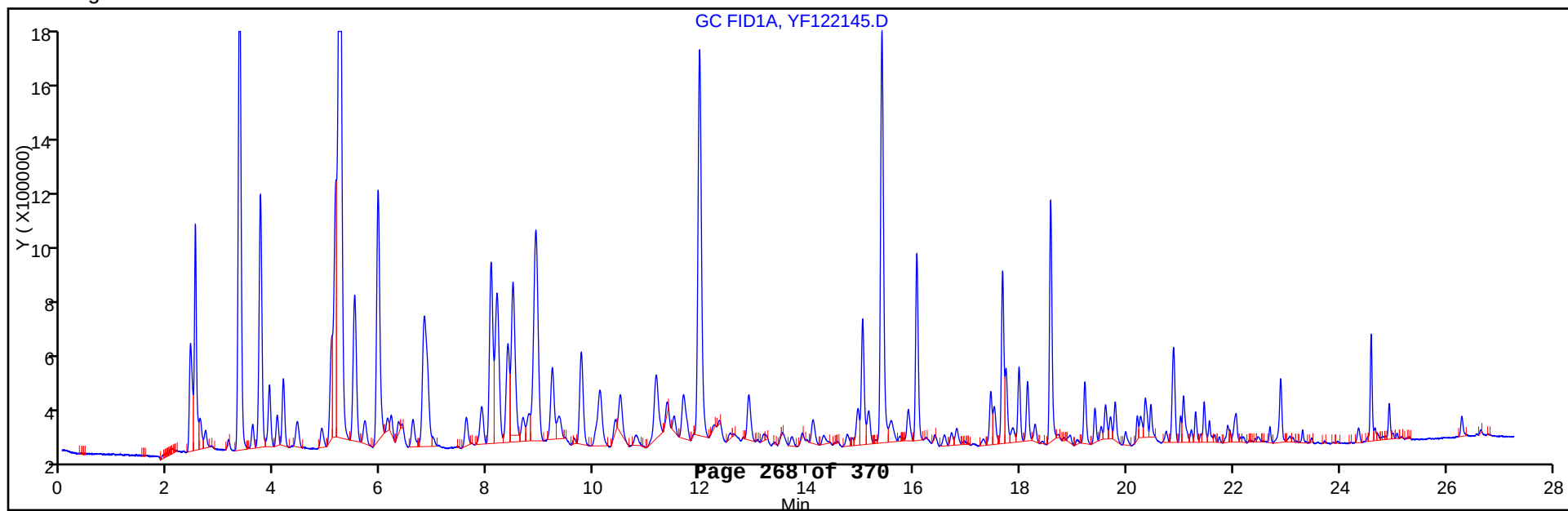
Column Type:

Column Dia:

Y Scaling:



Y Scaling:





FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/50 Calibration Date: 12/22/2012 17:35  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122150.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                 | CURVE<br>TYPE | AVE CF | CF     | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------|---------------|--------|--------|--------|----------------|-----------------|-------|-----------|
| C6-C10                  | Ave           | 136020 | 119977 |        | 706            | 800             | -11.8 | 15.0      |
| C6-C12                  | Lin           |        | 134136 |        | 738            | 800             | -7.8  | 15.0      |
| Trifluorotoluene (Surr) | Ave           | 153716 | 144969 |        | 9.43           | 10.0            | -5.7  | 15.0      |

FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/50 Calibration Date: 12/22/2012 17:35  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122150.D Heated Purge: (Y/N) N

| Analyte                 | RT    | RT WINDOW |       |
|-------------------------|-------|-----------|-------|
|                         |       | FROM      | TO    |
| C6-C10                  | 11.83 | 4.90      | 18.76 |
| C6-C12                  | 13.46 | 5.00      | 21.92 |
| Trifluorotoluene (Surr) | 9.76  | 9.51      | 10.01 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122150.D  
 Lims ID: CCV GAS Client ID:  
 Inject. Date: 22-Dec-2012 17:35:13 Dil. Factor: 1.0000  
 Sample Type: CCV  
 Sample ID: 240-0016087-050  
 Misc. Info.:  
 Operator: 1765 Instrument ID: YPID  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 69738 Lims Sample ID: 50  
 Sublist: chrom-Y80158021\*sub7  
 Detector 1 : GC ELC2B  
 Detector 2 : GC FID1A  
 Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
 Last Update: 26-Dec-2012 15:23:34 Calib Date: 27-Aug-2012 15:06:37  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICAL File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
 Limit Group: GCV 8015B GRO ICAL  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK003

First Level Reviewer: bosworthh

Date: 24-Dec-2012 06:47:10

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.418          | -8.418    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.756  | 9.756          | 0.0       | 1449688   | 9.43               | M     |
| A 5 C6-C10                    | 2   | 11.831 | 4.901 - 18.760 |           | 95981288  | 705.6              |       |
| A 1 C6-C12                    | 2   | 13.461 | 5.001 - 21.920 |           | 107309195 | 737.8              |       |

## QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 15:23:34

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122150.D

Injection Date: 22-Dec-2012 17:35:13

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 50

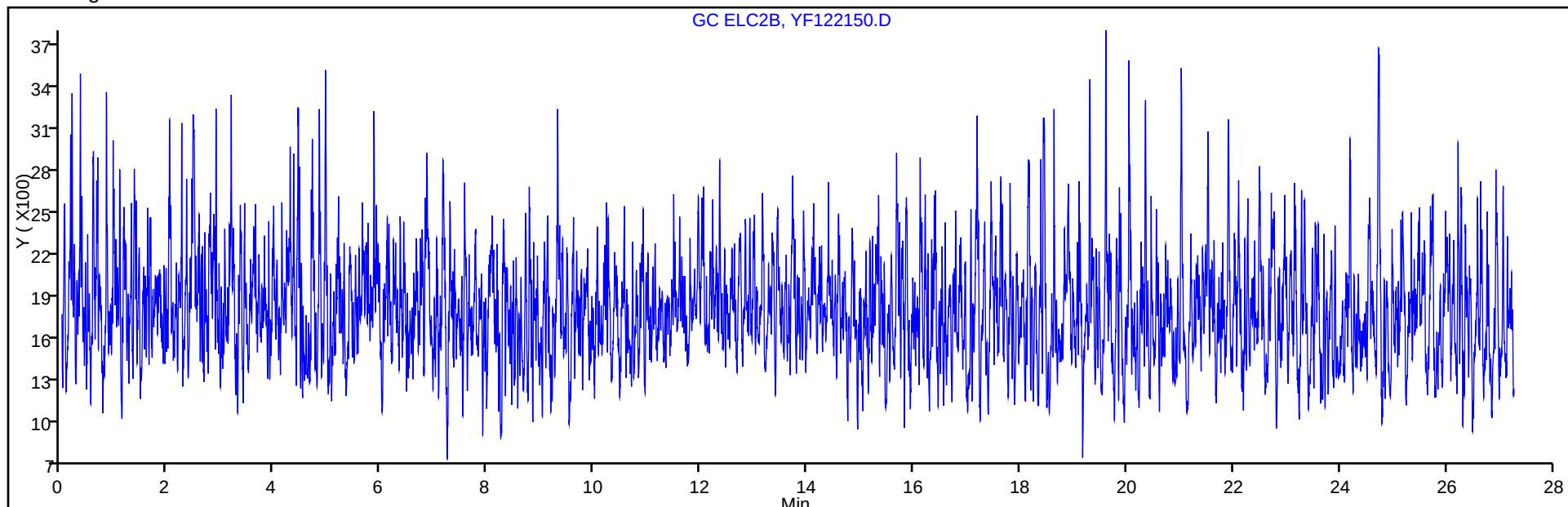
Operator ID: 1765

Purge Vol: 5.000 mL

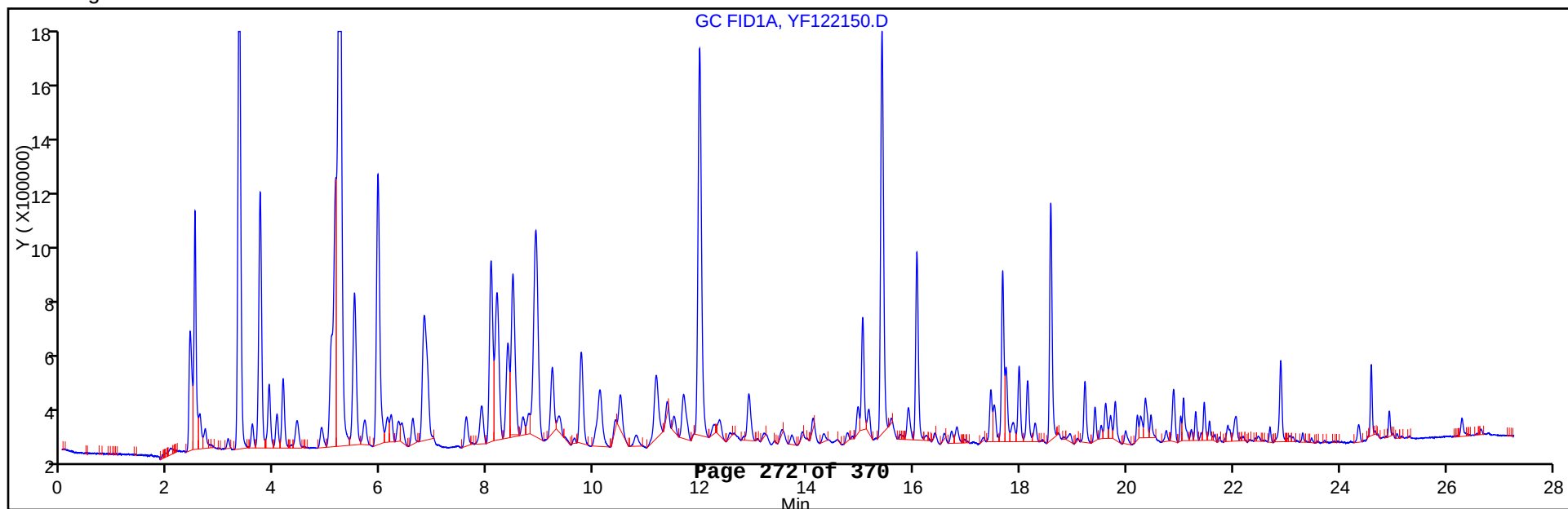
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



## TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122150.D

Injection Date: 22-Dec-2012 17:35:13

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 50

Operator ID: 1765

Purge Vol: 5.000 mL

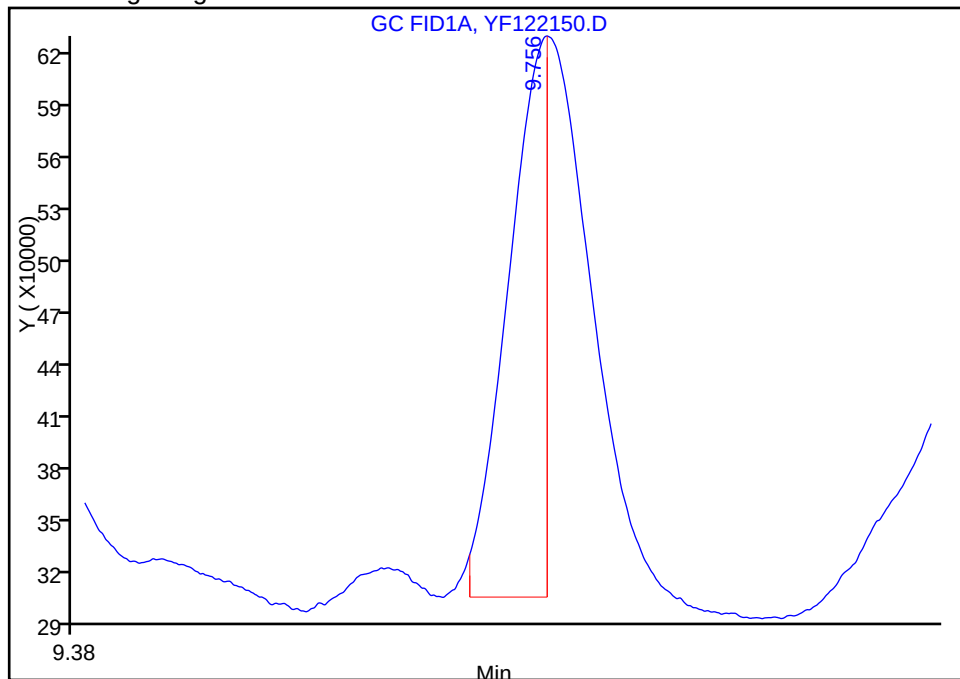
Column Type:

Column Dia:

\$ 16 Trifluorotoluene (Surr), Signal: 1, Type: quant, RT: 9.76, Det: GC FID1A

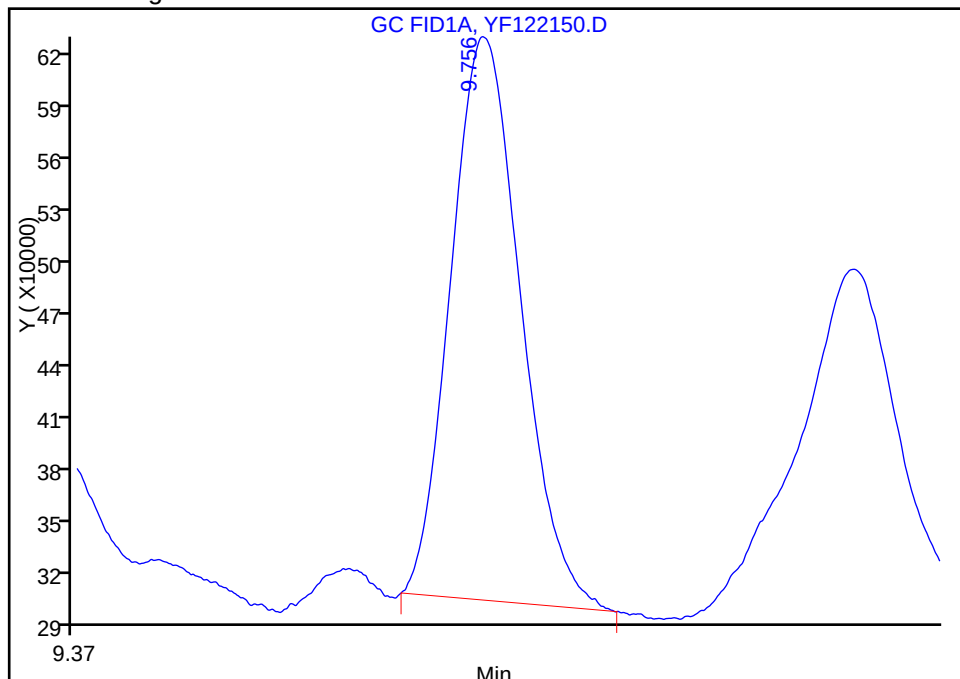
RT: 9.76  
Response: 649352  
Amount: 4.224369

## Processing Integration Results



RT: 9.76  
Response: 1449688  
Amount: 9.430967

## Manual Integration Results



Reviewer: bosworthh, 24-Dec-2012 06:47:10

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/61 Calibration Date: 12/23/2012 00:38  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122161.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                 | CURVE<br>TYPE | AVE CF | CF     | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------|---------------|--------|--------|--------|----------------|-----------------|-------|-----------|
| C6-C10                  | Ave           | 136020 | 118261 |        | 696            | 800             | -13.1 | 15.0      |
| C6-C12                  | Lin           |        | 132246 |        | 727            | 800             | -9.2  | 15.0      |
| Trifluorotoluene (Surr) | Ave           | 153716 | 139439 |        | 9.07           | 10.0            | -9.3  | 15.0      |

FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/61 Calibration Date: 12/23/2012 00:38  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122161.D Heated Purge: (Y/N) N

| Analyte                 | RT    | RT WINDOW |       |
|-------------------------|-------|-----------|-------|
|                         |       | FROM      | TO    |
| C6-C10                  | 11.83 | 4.90      | 18.76 |
| C6-C12                  | 13.46 | 5.00      | 21.92 |
| Trifluorotoluene (Surr) | 9.76  | 9.51      | 10.01 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122161.D  
 Lims ID: CCV GAS Client ID:  
 Inject. Date: 23-Dec-2012 00:38:20 Dil. Factor: 1.0000  
 Sample Type: CCV  
 Sample ID: 240-0016087-061  
 Misc. Info.:  
 Operator: 1765 Instrument ID: YPID  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 69738 Lims Sample ID: 61  
 Sublist: chrom-Y80158021\*sub7  
 Detector 1 : GC ELC2B  
 Detector 2 : GC FID1A  
 Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
 Last Update: 26-Dec-2012 15:23:46 Calib Date: 27-Aug-2012 15:06:37  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
 Limit Group: GCV 8015B GRO ICAL  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK003

First Level Reviewer: bosworthh

Date: 24-Dec-2012 06:48:33

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.418          | -8.418    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.757  | 9.757          | 0.0       | 1394394   | 9.07               |       |
| A 5 C6-C10                    | 2   | 11.831 | 4.901 - 18.760 |           | 94608599  | 695.5              |       |
| A 1 C6-C12                    | 2   | 13.461 | 5.001 - 21.920 |           | 105797102 | 726.7              |       |



Report Date: 26-Dec-2012 15:23:47

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122161.D

Injection Date: 23-Dec-2012 00:38:20

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 61

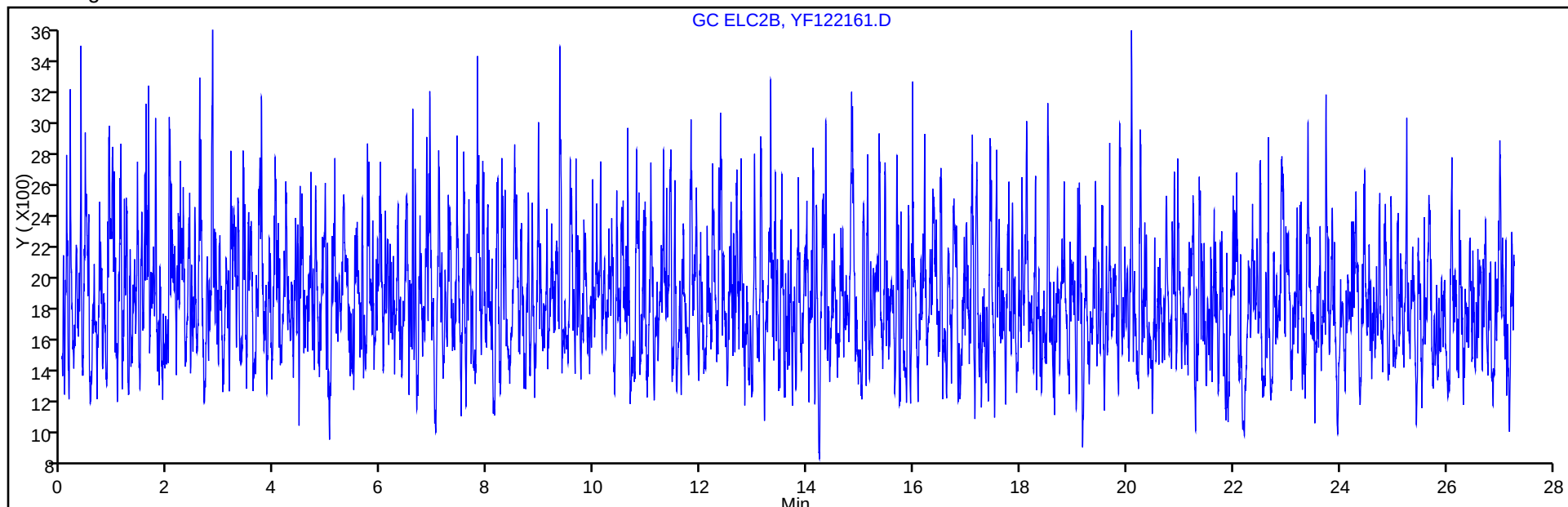
Operator ID: 1765

Purge Vol: 5.000 mL

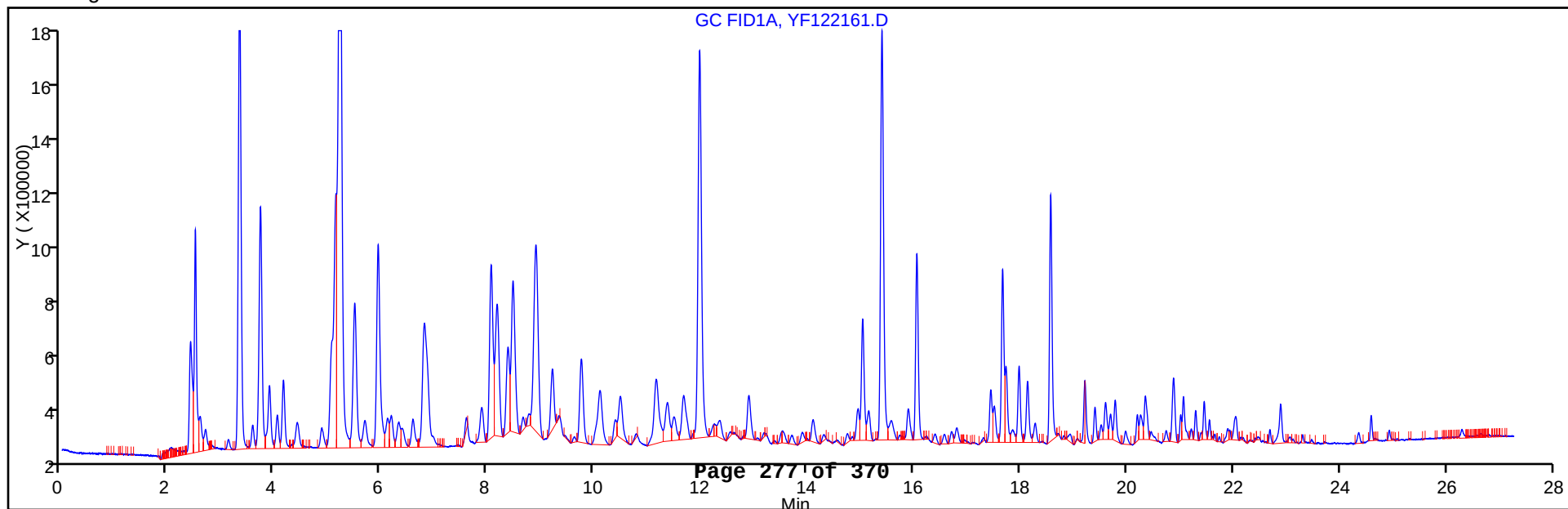
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/71 Calibration Date: 12/23/2012 06:55  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122171.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                 | CURVE<br>TYPE | AVE CF | CF     | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------|---------------|--------|--------|--------|----------------|-----------------|-------|-----------|
| C6-C10                  | Ave           | 136020 | 121596 |        | 715            | 800             | -10.6 | 15.0      |
| C6-C12                  | Lin           |        | 135835 |        | 748            | 800             | -6.5  | 15.0      |
| Trifluorotoluene (Surr) | Ave           | 153716 | 139982 |        | 9.11           | 10.0            | -8.9  | 15.0      |

FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/71 Calibration Date: 12/23/2012 06:55  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122171.D Heated Purge: (Y/N) N

| Analyte                 | RT    | RT WINDOW |       |
|-------------------------|-------|-----------|-------|
|                         |       | FROM      | TO    |
| C6-C10                  | 11.83 | 4.90      | 18.76 |
| C6-C12                  | 13.46 | 5.00      | 21.92 |
| Trifluorotoluene (Surr) | 9.76  | 9.51      | 10.01 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122171.D  
Lims ID: CCV GAS Client ID:  
Inject. Date: 23-Dec-2012 06:55:16 Dil. Factor: 1.0000  
Sample Type: CCV  
Sample ID: 240-0016087-071  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Purge Vol: 5.000 mL ALS Bottle#: 1  
Lims Batch ID: 69738 Lims Sample ID: 71  
Sublist: chrom-Y80158021\*sub7  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
Last Update: 26-Dec-2012 15:23:58 Calib Date: 27-Aug-2012 15:06:37  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICAL File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Column Type: Column Dia:  
Process Host: XAWRK003

First Level Reviewer: bosworthh

Date: 24-Dec-2012 06:51:52

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.418          | -8.418    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.759  | 9.759          | 0.0       | 1399820   | 9.11               | M     |
| A 5 C6-C10                    | 2   | 11.831 | 4.901 - 18.760 |           | 97276662  | 715.2              |       |
| A 1 C6-C12                    | 2   | 13.461 | 5.001 - 21.920 |           | 108667881 | 747.7              |       |

## QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Dec-2012 15:23:59

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122171.D

Injection Date: 23-Dec-2012 06:55:16

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 71

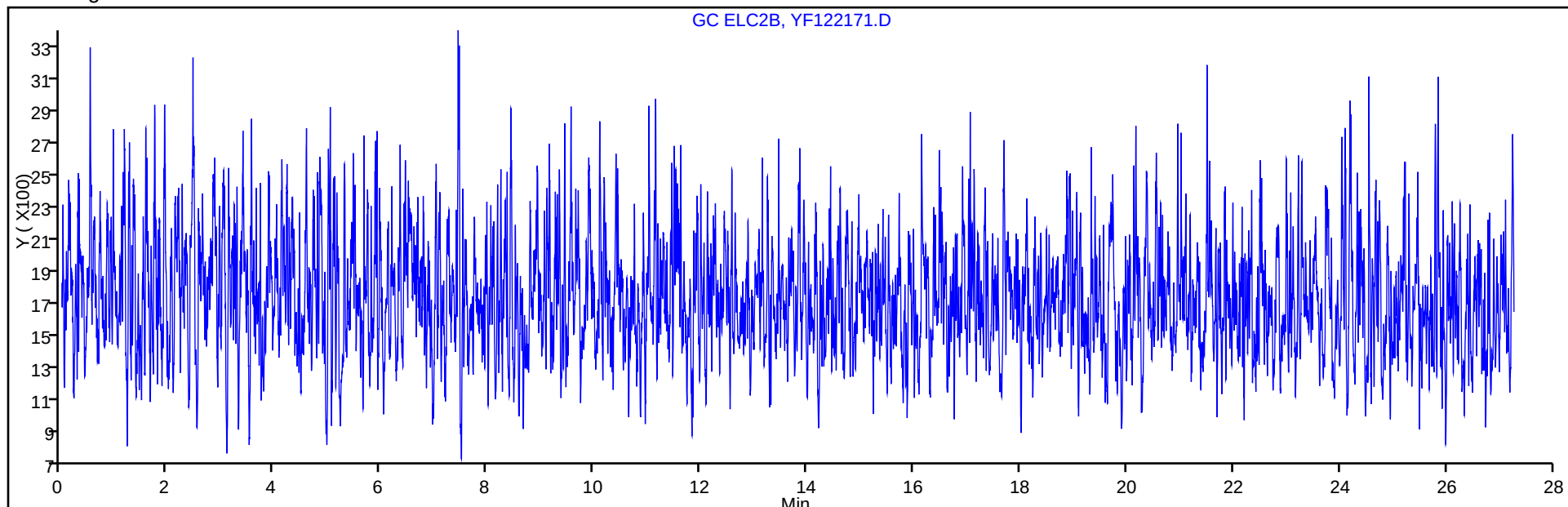
Operator ID: 1765

Purge Vol: 5.000 mL

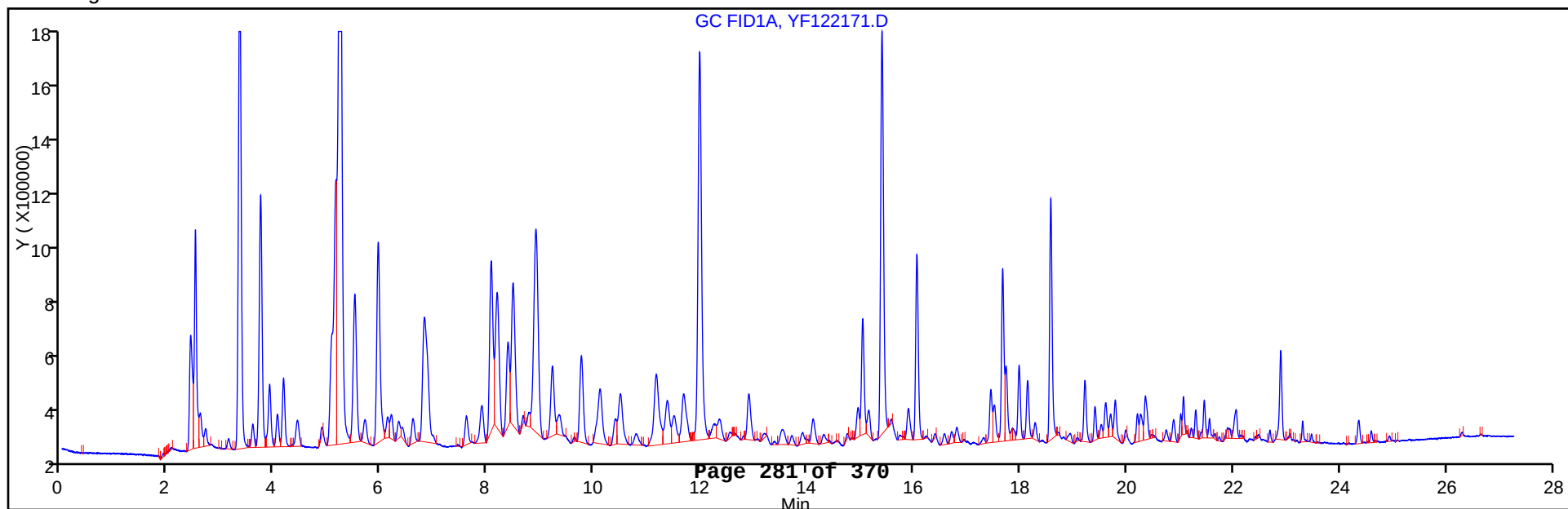
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



## TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122171.D

Injection Date: 23-Dec-2012 06:55:16

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 71

Operator ID: 1765

Purge Vol: 5.000 mL

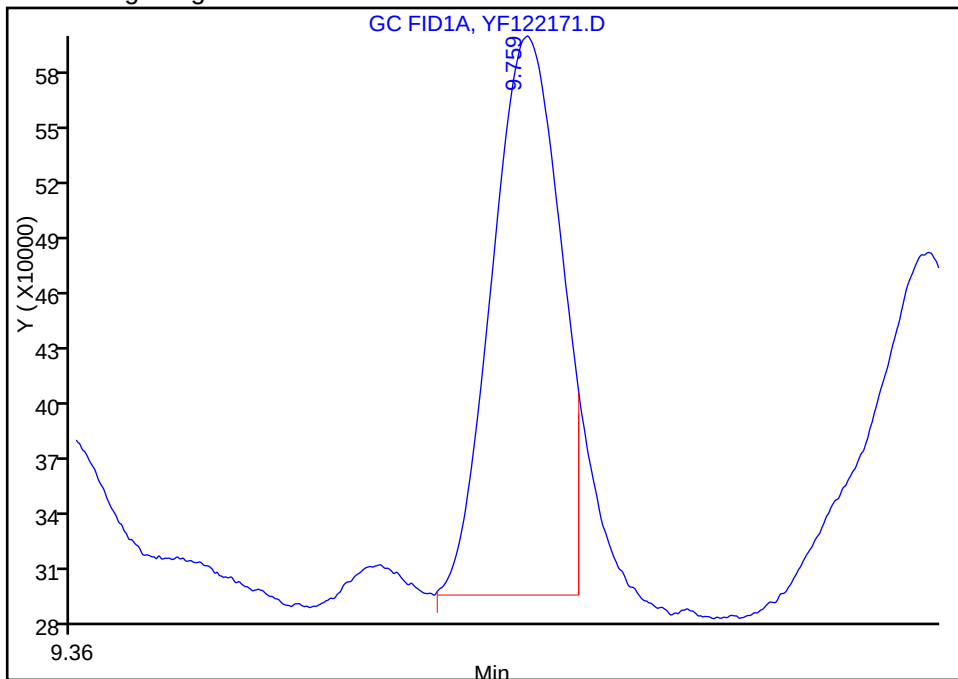
Column Type:

Column Dia:

\$ 16 Trifluorotoluene (Surr), Signal: 1, Type: quant, RT: 9.76, Det: GC FID1A

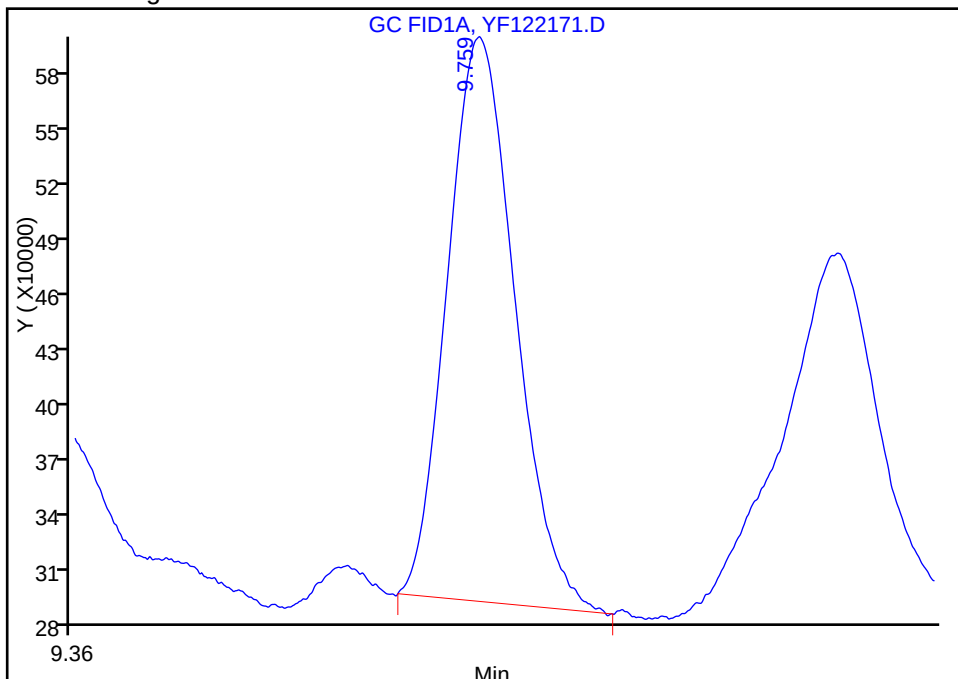
RT: 9.76  
Response: 1239838  
Amount: 8.065785

## Processing Integration Results



RT: 9.76  
Response: 1399820  
Amount: 9.106550

## Manual Integration Results



Reviewer: bosworthh, 24-Dec-2012 06:51:52

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/75 Calibration Date: 12/23/2012 09:27  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122175.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                 | CURVE<br>TYPE | AVE CF | CF     | MIN CF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D   | MAX<br>%D |
|-------------------------|---------------|--------|--------|--------|----------------|-----------------|------|-----------|
| C6-C10                  | Ave           | 136020 | 122627 |        | 721            | 800             | -9.8 | 15.0      |
| C6-C12                  | Lin           |        | 138230 |        | 762            | 800             | -4.8 | 15.0      |
| Trifluorotoluene (Surr) | Ave           | 153716 | 147689 |        | 9.61           | 10.0            | -3.9 | 15.0      |

FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 240-69738/75 Calibration Date: 12/23/2012 09:27  
Instrument ID: YPID Calib Start Date: 08/15/2012 18:36  
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 08/15/2012 22:00  
Lab File ID: YF122175.D Heated Purge: (Y/N) N

| Analyte                 | RT    | RT WINDOW |       |
|-------------------------|-------|-----------|-------|
|                         |       | FROM      | TO    |
| C6-C10                  | 11.83 | 4.90      | 18.76 |
| C6-C12                  | 13.46 | 5.00      | 21.92 |
| Trifluorotoluene (Surr) | 9.76  | 9.51      | 10.01 |



TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122175.D  
Lims ID: CCV GAS Client ID:  
Inject. Date: 23-Dec-2012 09:27:02 Dil. Factor: 1.0000  
Sample Type: CCV  
Sample ID: 240-0016087-075  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Purge Vol: 5.000 mL ALS Bottle#: 1  
Lims Batch ID: 69738 Lims Sample ID: 75  
Sublist: chrom-Y80158021\*sub7  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
Last Update: 26-Dec-2012 15:24:04 Calib Date: 27-Aug-2012 15:06:37  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Column Type: Column Dia:  
Process Host: XAWRK003

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.418          | -8.418    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.757  | 9.757          | 0.0       | 1476887   | 9.61               |       |
| A 5 C6-C10                    | 2   | 11.831 | 4.901 - 18.760 |           | 98101349  | 721.2              |       |
| A 1 C6-C12                    | 2   | 13.461 | 5.001 - 21.920 |           | 110583737 | 761.8              |       |

Report Date: 26-Dec-2012 15:24:05

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122175.D

Injection Date: 23-Dec-2012 09:27:02

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 75

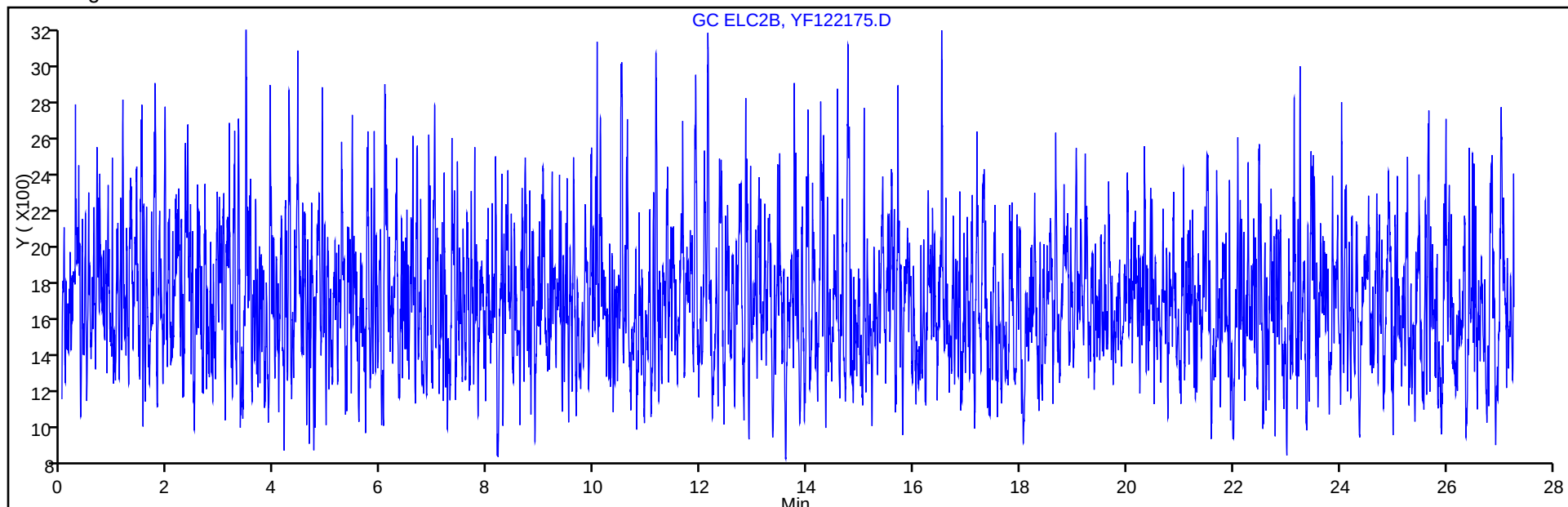
Operator ID: 1765

Purge Vol: 5.000 mL

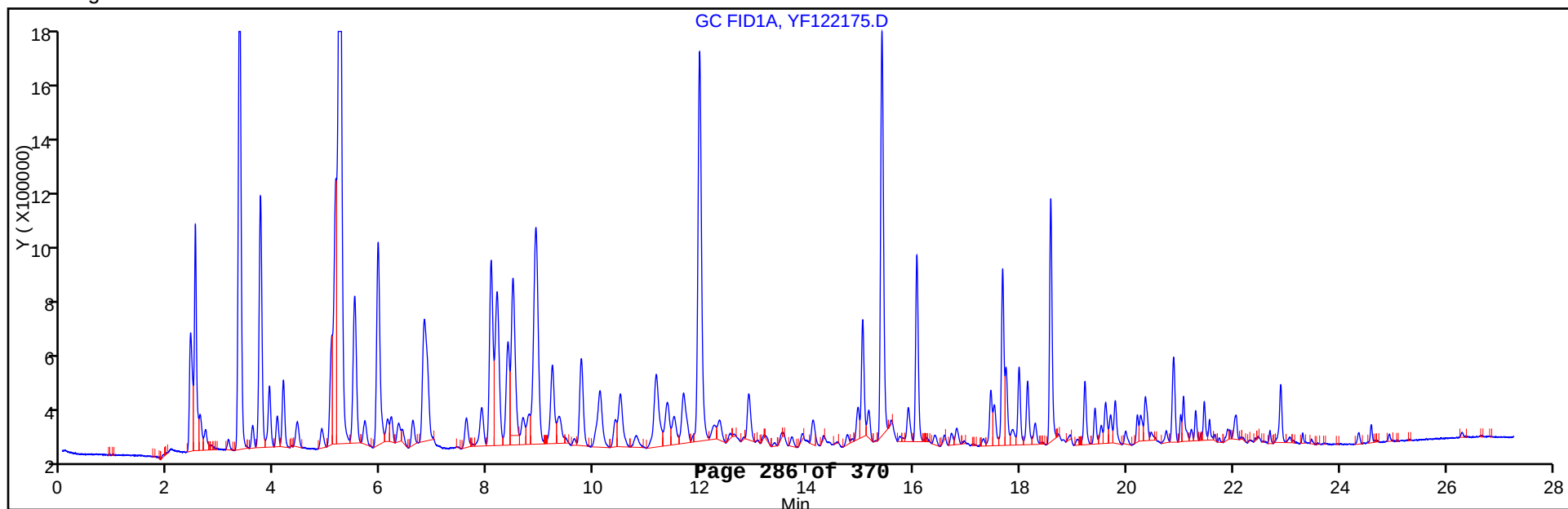
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 240-69738/36  
Matrix: Water Lab File ID: YF122136.D  
Analysis Method: 8015B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 08:46  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VRX ID: 0.45(mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 69738 Units: ug/L

| CAS NO.  | COMPOUND NAME | RESULT | Q | LOQ | LOD | DL |
|----------|---------------|--------|---|-----|-----|----|
| STL00061 | C6-C12        | 50     | U | 100 | 50  | 25 |

| CAS NO. | SURROGATE               | %REC | Q | LIMITS |
|---------|-------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 76   |   | 10-150 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122136.D  
 Lims ID: MB Client ID:  
 Inject. Date: 22-Dec-2012 08:46:08 Dil. Factor: 1.0000  
 Sample Type: MB  
 Sample ID: 240-0016087-036  
 Misc. Info.:  
 Operator: 1765 Instrument ID: YPID  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 69738 Lims Sample ID: 36  
 Detector 1 : GC ELC2B  
 Detector 2 : GC FID1A  
 Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
 Last Update: 26-Dec-2012 15:23:15 Calib Date: 27-Aug-2012 15:06:37  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
 Limit Group: GCV 8015B GRO ICAL  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK003

| Compound                           | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|------------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| S 17 Xylenes, Total                | 1   |        | 0.000          |           |          |                    | 7     |
| 6 2-Methylpentane                  | 2   | 5.143  | 5.137          | 0.006     | 6239     | 0                  |       |
| 12 Methyl tert-butyl ether         | 2   |        | 5.208          |           |          |                    | 1     |
| 3 Benzene                          | 1   |        | 7.999          |           |          |                    | 1     |
| * 15 Fluorobenzene                 | 1   | 0.000  | 8.418          | -8.418    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr)      | 2   | 9.757  | 9.759          | -0.002    | 1167529  | 7.60               |       |
| \$ 18 a,a,a-Trifluorotoluene (pid) | 1   |        | 9.772          |           |          |                    | 1     |
| A 5 C6-C10                         | 2   | 11.831 | 4.901 - 18.760 |           | 4684221  | 34.4               |       |
| 8 Toluene                          | 1   |        | 11.964         |           |          |                    | 1     |
| A 1 C6-C12                         | 2   |        | 5.001 - 21.920 |           |          |                    |       |
| A 11 GRO                           | 2   | 13.655 | 4.996 - 22.314 |           | 10997348 | 0                  |       |
| 13 Ethylbenzene                    | 1   |        | 15.042         |           |          |                    | 1     |
| 2 m-Xylene & p-Xylene              | 1   |        | 15.410         |           |          |                    | 1     |
| 4 o-Xylene                         | 1   |        | 16.061         |           |          |                    | 1     |
| 10 1,3,5-Trimethylbenzene          | 1   |        | 17.985         |           |          |                    | 1     |
| 7 1,2,4-Trimethylbenzene           | 1   |        | 18.579         |           |          |                    | 1     |
| 14 Dodecane                        | 2   | 21.908 | 21.750         | 0.158     | 18018    | 0                  |       |
| 9 Naphthalene                      | 2   | 22.063 | 22.060         | 0.003     | 9697     | 0                  |       |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 26-Dec-2012 15:23:17

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122136.D

Injection Date: 22-Dec-2012 08:46:08

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 36

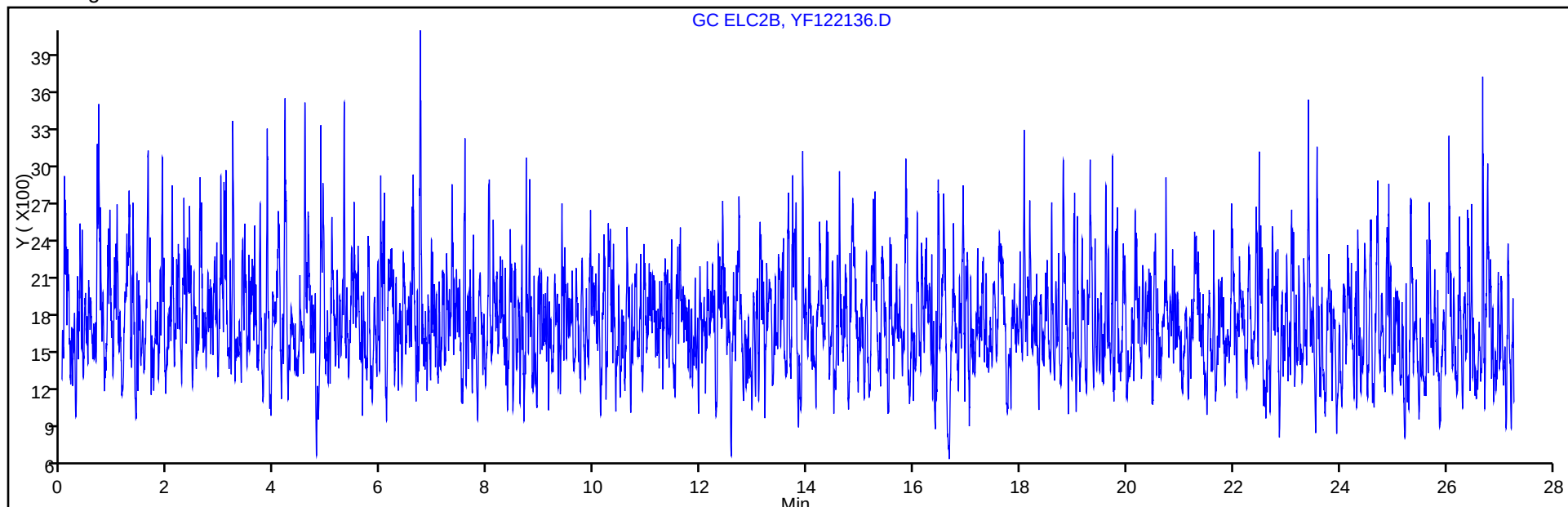
Operator ID: 1765

Purge Vol: 5.000 mL

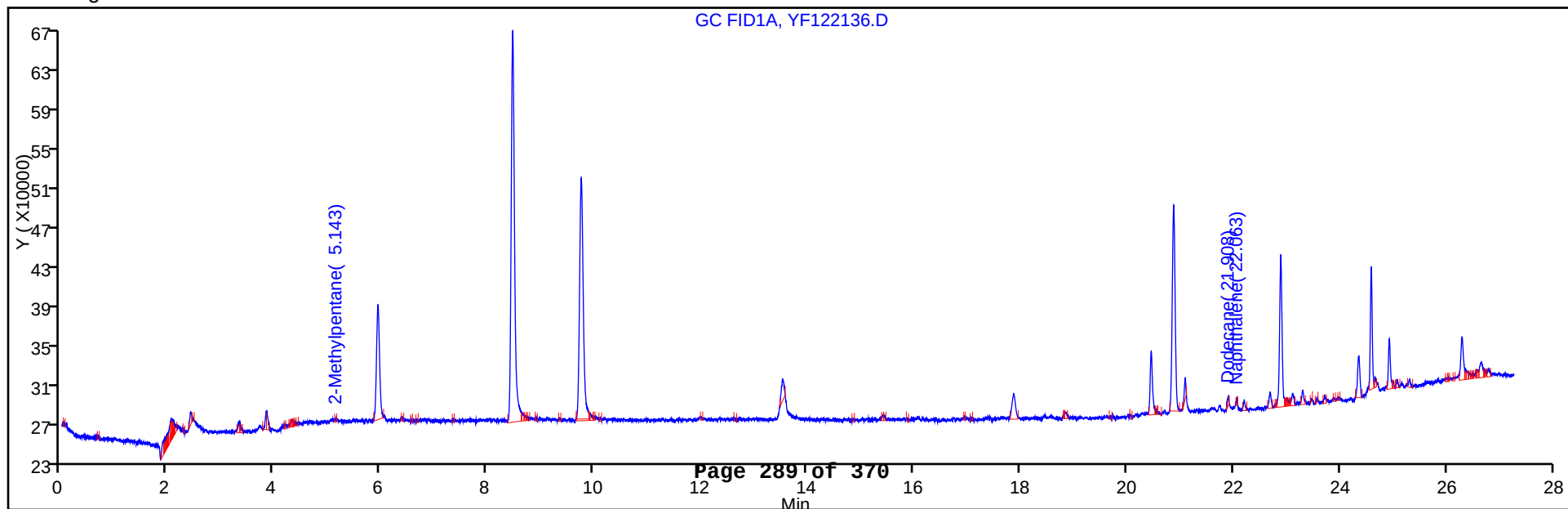
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 240-69738/52  
Matrix: Solid Lab File ID: YF122152.D  
Analysis Method: 8015B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5(g) Date Analyzed: 12/22/2012 18:53  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VRX ID: 0.45 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 69738 Units: ug/Kg

| CAS NO.  | COMPOUND NAME | RESULT | Q | LOQ | LOD | DL |
|----------|---------------|--------|---|-----|-----|----|
| STL00061 | C6-C12        | 50     | U | 100 | 50  | 46 |

| CAS NO. | SURROGATE               | %REC | Q | LIMITS |
|---------|-------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 89   |   | 10-150 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122152.D  
 Lims ID: MB Client ID:  
 Inject. Date: 22-Dec-2012 18:53:12 Dil. Factor: 1.0000  
 Sample Type: MB  
 Sample ID: 240-0016087-052  
 Misc. Info.:  
 Operator: 1765 Instrument ID: YPID  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 69738 Lims Sample ID: 52  
 Detector 1 : GC ELC2B  
 Detector 2 : GC FID1A  
 Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
 Last Update: 26-Dec-2012 15:23:34 Calib Date: 27-Aug-2012 15:06:37  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
 Limit Group: GCV 8015B GRO ICAL  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK003

| Compound                           | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|------------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| S 17 Xylenes, Total                | 1   |        | 0.000          |           |          |                    | 7     |
| 6 2-Methylpentane                  | 2   | 5.133  | 5.137          | -0.004    | 22289    | 0                  |       |
| 12 Methyl tert-butyl ether         | 2   | 5.202  | 5.208          | -0.006    | 5634     | 0                  |       |
| 3 Benzene                          | 1   |        | 7.999          |           |          |                    | 1     |
| * 15 Fluorobenzene                 | 1   | 0.000  | 8.418          | -8.418    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr)      | 2   | 9.750  | 9.756          | -0.006    | 1372651  | 8.93               |       |
| \$ 18 a,a,a-Trifluorotoluene (pid) | 1   |        | 9.772          |           |          |                    | 1     |
| A 5 C6-C10                         | 2   | 11.831 | 4.901 - 18.760 |           | 7484601  | 55.0               |       |
| 8 Toluene                          | 1   |        | 11.964         |           |          |                    | 1     |
| A 1 C6-C12                         | 2   | 13.461 | 5.001 - 21.920 |           | 10607191 | 28.6               |       |
| A 11 GRO                           | 2   | 13.655 | 4.996 - 22.314 |           | 14125124 | 0                  |       |
| 13 Ethylbenzene                    | 1   |        | 15.042         |           |          |                    | 1     |
| 2 m-Xylene & p-Xylene              | 1   |        | 15.410         |           |          |                    | 1     |
| 4 o-Xylene                         | 1   |        | 16.061         |           |          |                    | 1     |
| 10 1,3,5-Trimethylbenzene          | 1   |        | 17.985         |           |          |                    | 1     |
| 7 1,2,4-Trimethylbenzene           | 1   | 0.000  | 18.579         | -18.579   | 0        | 0                  |       |
| 14 Dodecane                        | 2   | 21.751 | 21.750         | 0.001     | 33603    | 0                  |       |
| 9 Naphthalene                      | 2   | 22.070 | 22.060         | 0.010     | 17844    | 0                  |       |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 26-Dec-2012 15:23:37

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122152.D

Injection Date: 22-Dec-2012 18:53:12

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 52

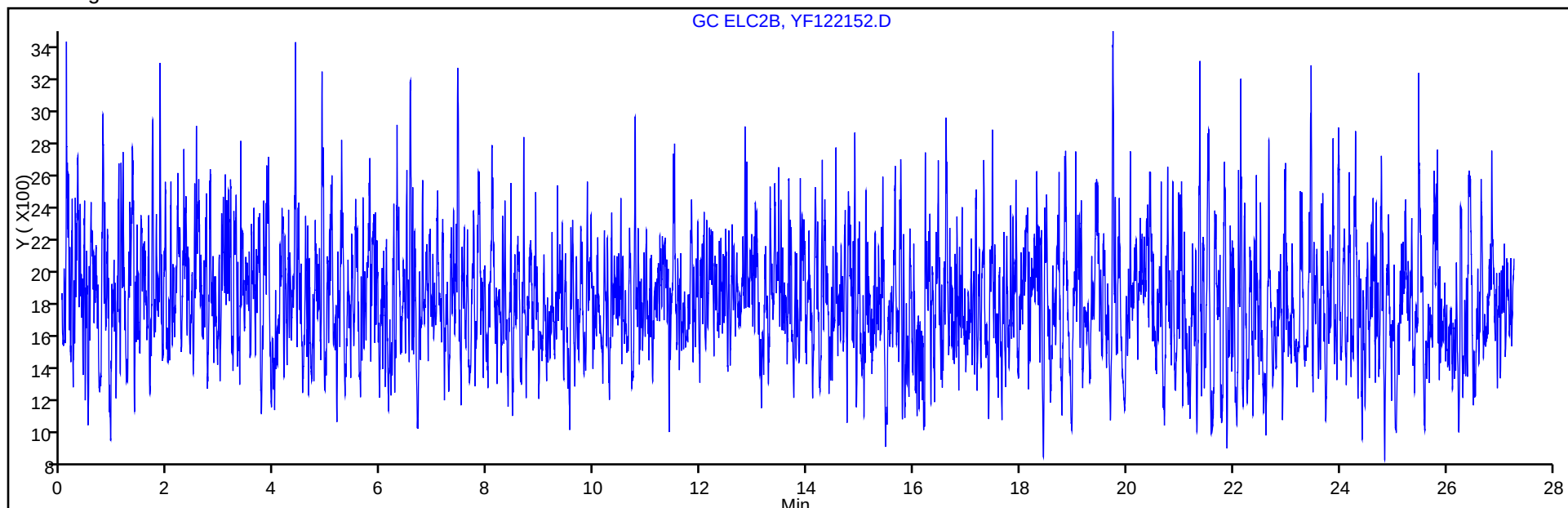
Operator ID: 1765

Purge Vol: 5.000 mL

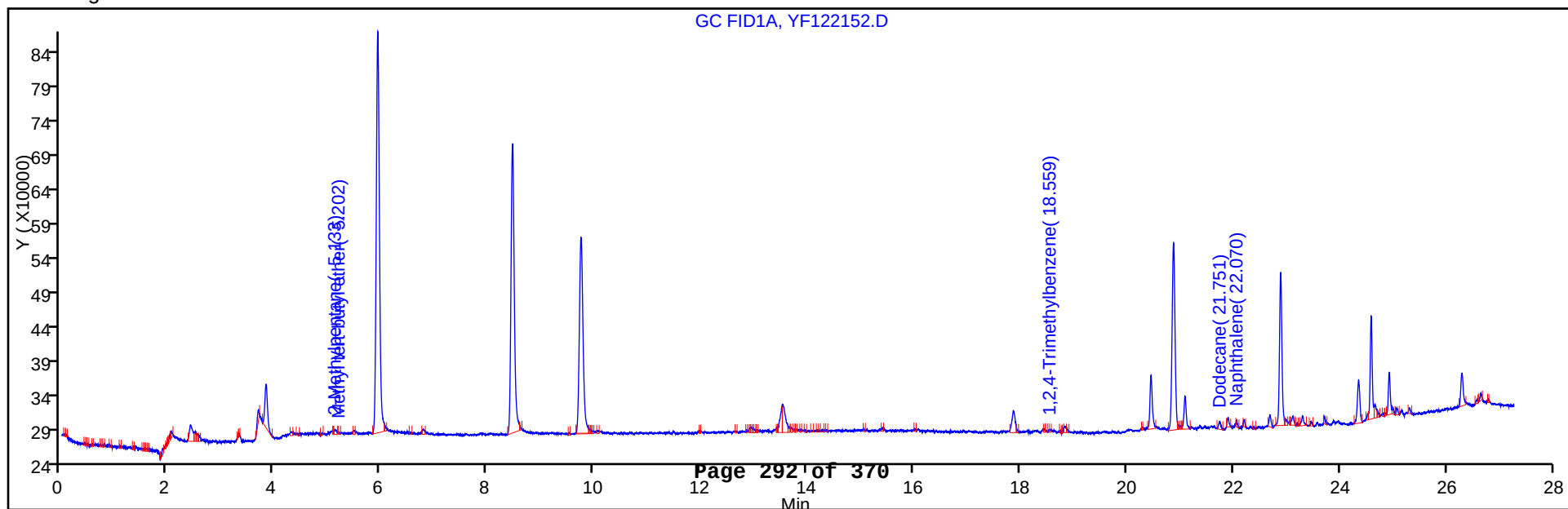
Column Type:

Column Dia:

Y Scaling:



Y Scaling:





FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 240-69738/37  
Matrix: Water Lab File ID: YF122137.D  
Analysis Method: 8015B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 09:24  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VRX ID: 0.45(mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 69738 Units: ug/L

| CAS NO.  | COMPOUND NAME | RESULT | Q | LOQ | LOD | DL |
|----------|---------------|--------|---|-----|-----|----|
| STL00061 | C6-C12        | 830    |   | 100 | 50  | 25 |

| CAS NO. | SURROGATE               | %REC | Q | LIMITS |
|---------|-------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 92   |   | 10-150 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122137.D  
Lims ID: LCS Client ID:  
Inject. Date: 22-Dec-2012 09:24:22 Dil. Factor: 1.0000  
Sample Type: LCS  
Sample ID: 240-0016087-037  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Purge Vol: 5.000 mL ALS Bottle#: 1  
Lims Batch ID: 69738 Lims Sample ID: 37  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
Last Update: 26-Dec-2012 15:23:15 Calib Date: 27-Aug-2012 15:06:37  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Column Type: Column Dia:  
Process Host: XAWRK003

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.418          | -8.418    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.757  | 9.759          | -0.002    | 1418046   | 9.23               |       |
| A 5 C6-C10                    | 2   | 11.831 | 4.901 - 18.760 |           | 105727048 | 777.3              |       |
| A 1 C6-C12                    | 2   | 13.461 | 5.001 - 21.920 |           | 119867350 | 829.9              |       |

Report Date: 26-Dec-2012 15:23:19

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122137.D

Injection Date: 22-Dec-2012 09:24:22

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 37

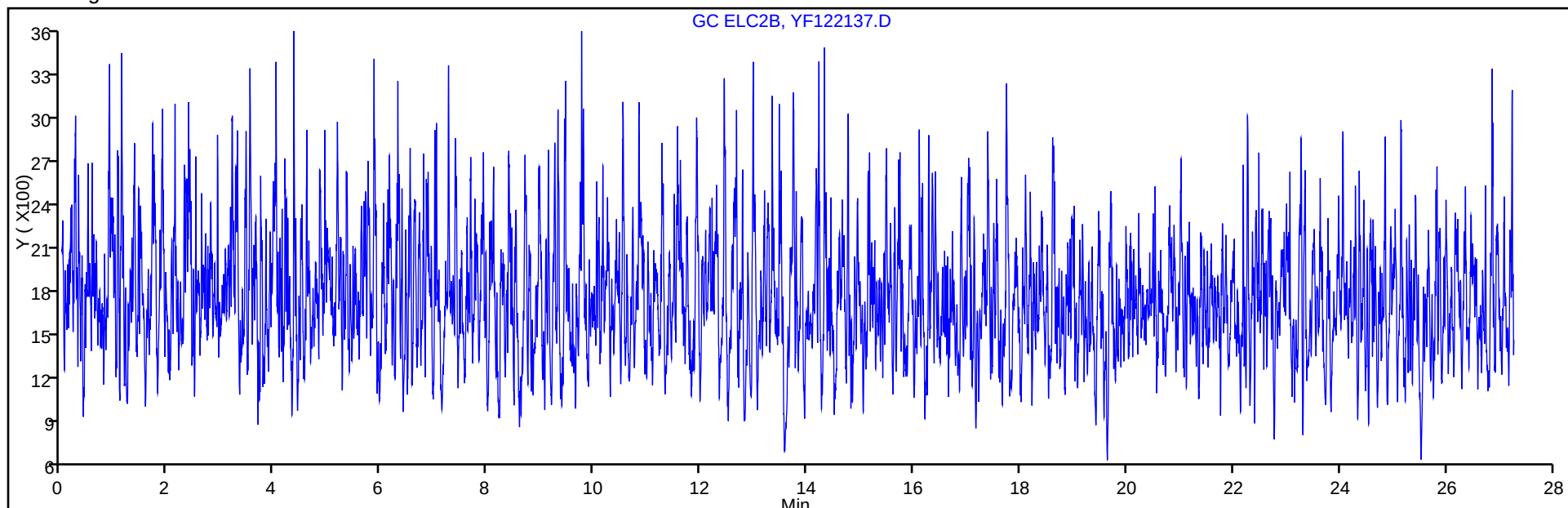
Operator ID: 1765

Purge Vol: 5.000 mL

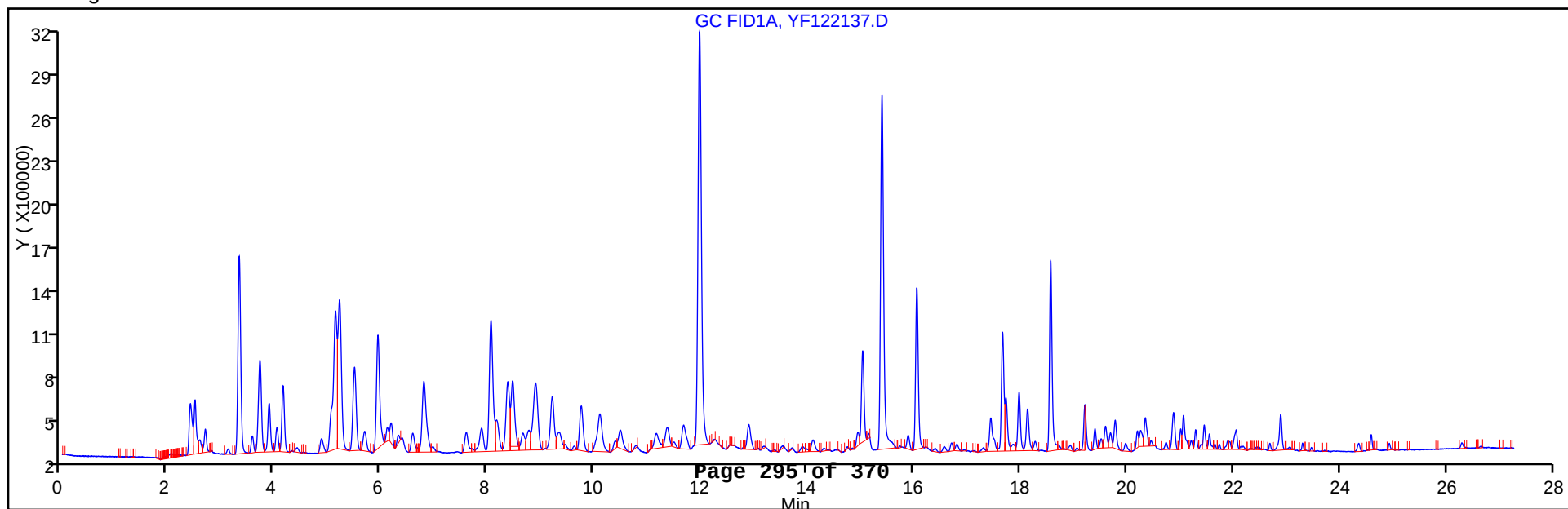
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 240-69738/53  
Matrix: Solid Lab File ID: YF122153.D  
Analysis Method: 8015B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5(g) Date Analyzed: 12/22/2012 19:32  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VRX ID: 0.45 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 69738 Units: ug/Kg

| CAS NO.  | COMPOUND NAME | RESULT | Q | LOQ | LOD | DL |
|----------|---------------|--------|---|-----|-----|----|
| STL00061 | C6-C12        | 965    |   | 100 | 50  | 46 |

| CAS NO. | SURROGATE               | %REC | Q | LIMITS |
|---------|-------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 101  |   | 10-150 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122153.D  
Lims ID: LCS Client ID:  
Inject. Date: 22-Dec-2012 19:32:12 Dil. Factor: 1.0000  
Sample Type: LCS  
Sample ID: 240-0016087-053  
Misc. Info.:  
Operator: 1765 Instrument ID: YPID  
Purge Vol: 5.000 mL ALS Bottle#: 1  
Lims Batch ID: 69738 Lims Sample ID: 53  
Detector 1 : GC ELC2B  
Detector 2 : GC FID1A  
Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
Last Update: 26-Dec-2012 15:23:34 Calib Date: 27-Aug-2012 15:06:37  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
Limit Group: GCV 8015B GRO ICAL  
Integrator: Falcon  
Column Type: Column Dia:  
Process Host: XAWRK003

| Compound                      | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response  | On-Col Amt<br>ug/l | Flags |
|-------------------------------|-----|--------|----------------|-----------|-----------|--------------------|-------|
| * 15 Fluorobenzene            | 1   | 0.000  | 8.418          | -8.418    | 0         | 0                  |       |
| \$ 16 Trifluorotoluene (Surr) | 2   | 9.756  | 9.756          | 0.0       | 1548055   | 10.1               |       |
| A 5 C6-C10                    | 2   | 11.831 | 4.901 - 18.760 |           | 120387074 | 885.1              |       |
| A 1 C6-C12                    | 2   | 13.461 | 5.001 - 21.920 |           | 138265879 | 964.8              |       |

Report Date: 26-Dec-2012 15:23:38

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122153.D

Injection Date: 22-Dec-2012 19:32:12

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 53

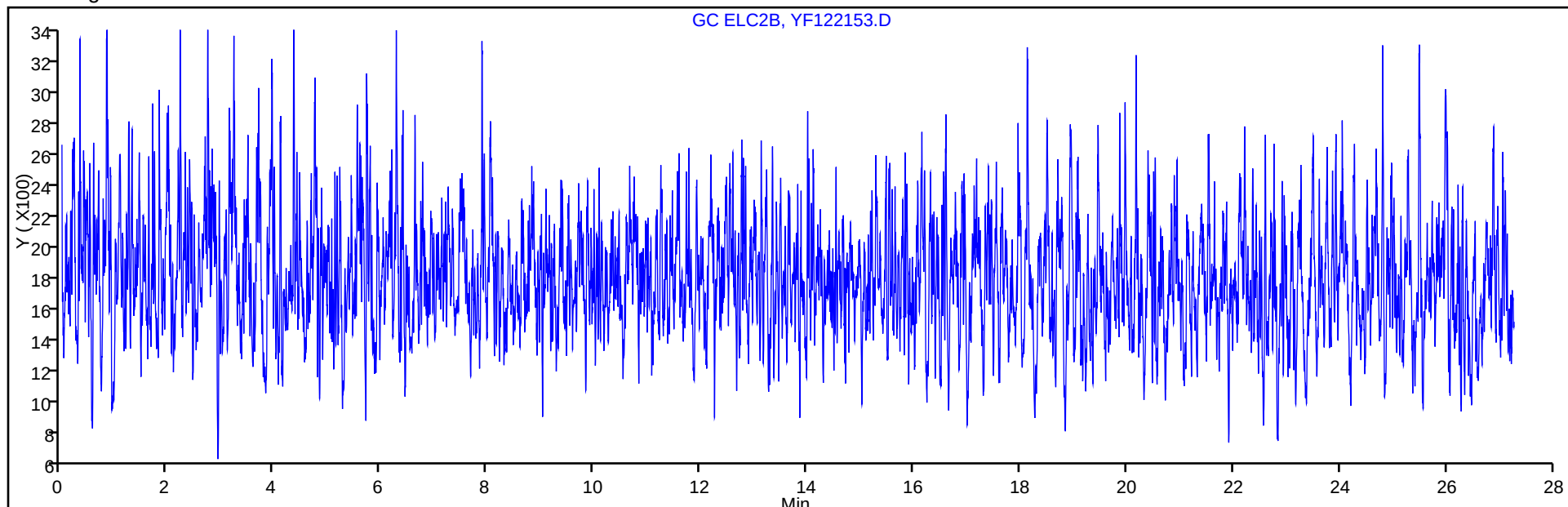
Operator ID: 1765

Purge Vol: 5.000 mL

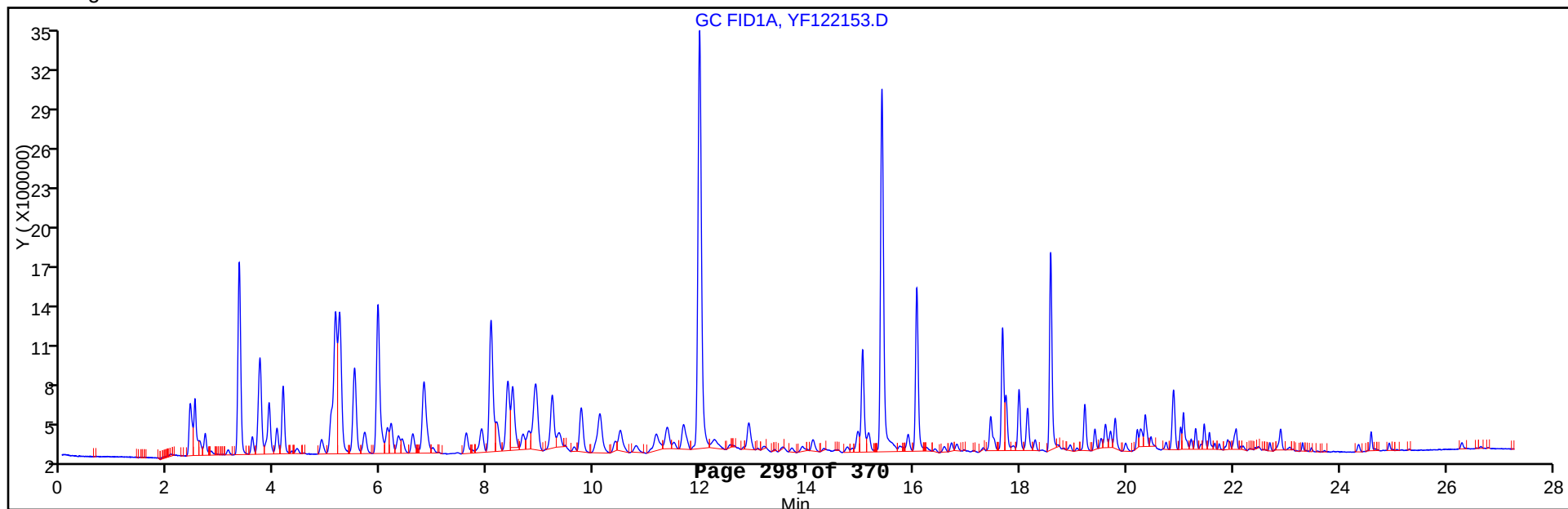
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-69738/35  
Matrix: Water Lab File ID: YF122135.D  
Analysis Method: 8015B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 08:08  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VRX ID: 0.45(mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 69738 Units: ug/L

| CAS NO.  | COMPOUND NAME | RESULT | Q | LOQ | LOD | DL |
|----------|---------------|--------|---|-----|-----|----|
| STL00061 | C6-C12        | 78.6   | J | 100 | 50  | 25 |

| CAS NO. | SURROGATE               | %REC | Q | LIMITS |
|---------|-------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 85   |   | 70-130 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122135.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 22-Dec-2012 08:08:28 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016087-035  
 Misc. Info.:  
 Operator: 1765 Instrument ID: YPID  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 69738 Lims Sample ID: 35  
 Detector 1 : GC ELC2B  
 Detector 2 : GC FID1A  
 Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
 Last Update: 26-Dec-2012 15:23:15 Calib Date: 27-Aug-2012 15:06:37  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
 Limit Group: GCV 8015B GRO ICAL  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK003

| Compound                           | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|------------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| S 17 Xylenes, Total                | 1   |        | 0.000          |           |          |                    | 7     |
| 6 2-Methylpentane                  | 2   | 5.140  | 5.137          | 0.003     | 303010   | 0                  |       |
| 12 Methyl tert-butyl ether         | 2   | 5.224  | 5.208          | 0.016     | 1326135  | 0                  |       |
| 3 Benzene                          | 1   |        | 7.999          |           |          |                    | 1     |
| * 15 Fluorobenzene                 | 1   | 0.000  | 8.418          | -8.418    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr)      | 2   | 9.757  | 9.759          | -0.002    | 1307279  | 8.50               |       |
| \$ 18 a,a,a-Trifluorotoluene (pid) | 1   |        | 9.772          |           |          |                    | 1     |
| A 5 C6-C10                         | 2   | 11.831 | 4.901 - 18.760 |           | 14478767 | 106.4              |       |
| 8 Toluene                          | 1   |        | 11.964         |           |          |                    | 1     |
| A 1 C6-C12                         | 2   | 13.461 | 5.001 - 21.920 |           | 17415031 | 78.6               |       |
| A 11 GRO                           | 2   | 13.655 | 4.996 - 22.314 |           | 20949584 | 0                  |       |
| 13 Ethylbenzene                    | 1   |        | 15.042         |           |          |                    | 1     |
| 2 m-Xylene & p-Xylene              | 1   |        | 15.410         |           |          |                    | 1     |
| 4 o-Xylene                         | 1   |        | 16.061         |           |          |                    | 1     |
| 10 1,3,5-Trimethylbenzene          | 1   |        | 17.985         |           |          |                    | 1     |
| 7 1,2,4-Trimethylbenzene           | 1   | 0.000  | 18.579         | -18.579   | 0        | 0                  |       |
| 14 Dodecane                        | 2   | 21.741 | 21.750         | -0.009    | 10337    | 0                  |       |
| 9 Naphthalene                      | 2   | 22.065 | 22.060         | 0.005     | 85261    | 0                  |       |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection



Report Date: 26-Dec-2012 15:23:16

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122135.D

Injection Date: 22-Dec-2012 08:08:28

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 35

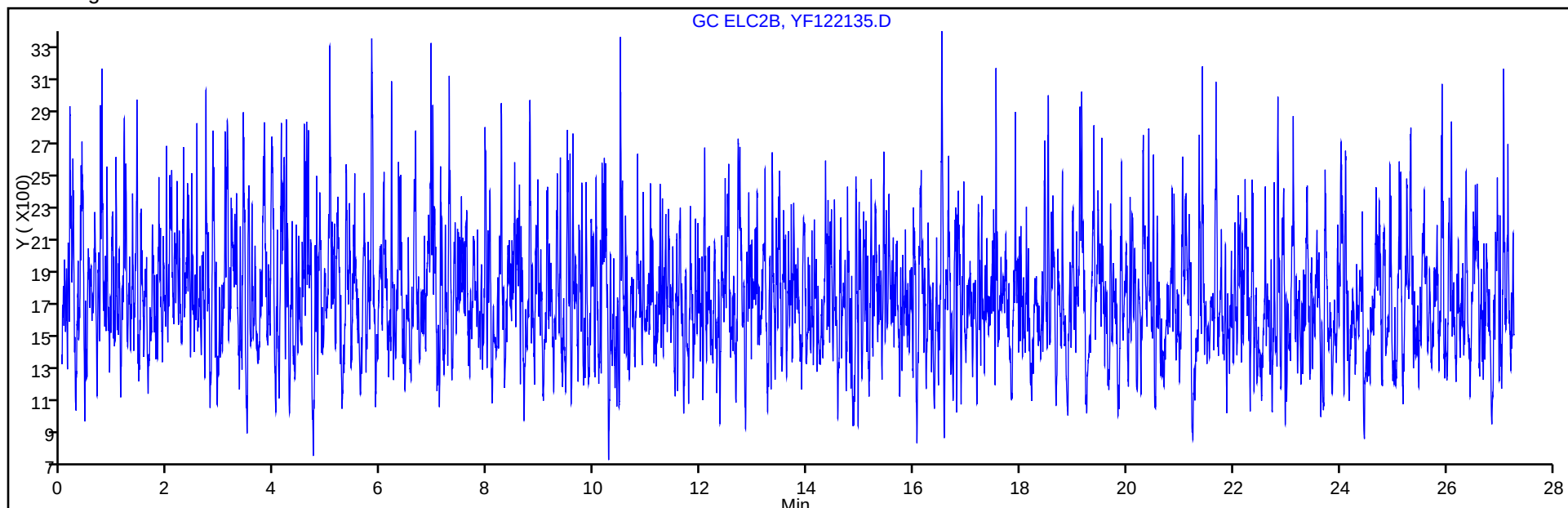
Operator ID: 1765

Purge Vol: 5.000 mL

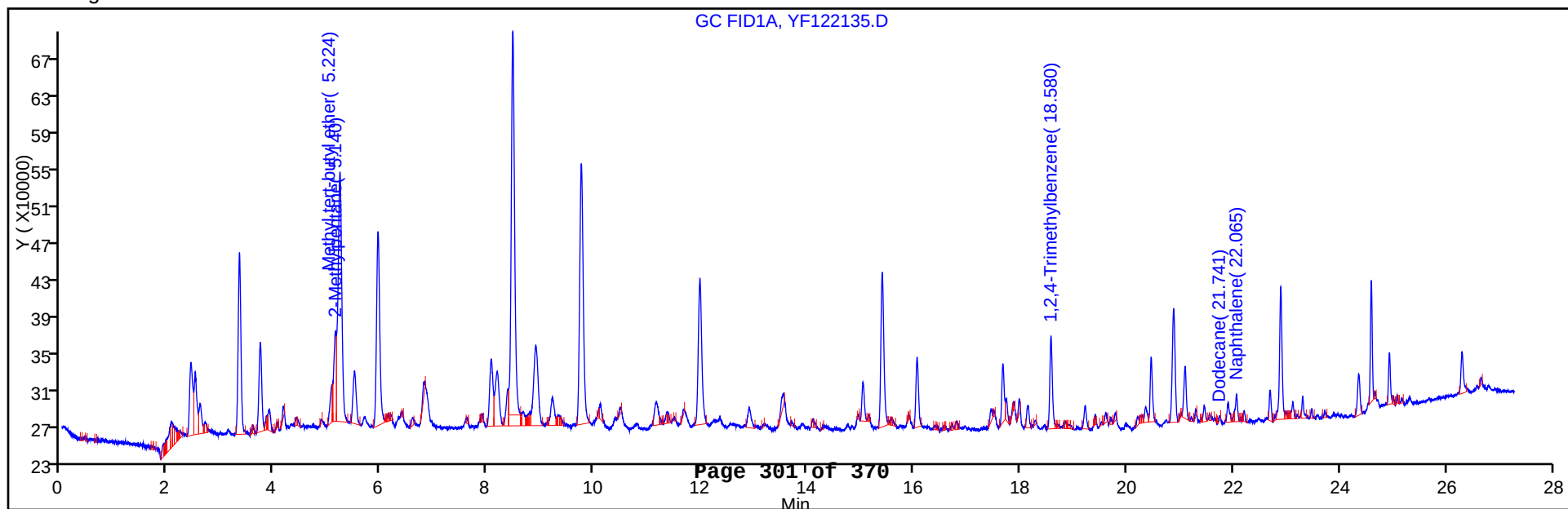
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-69738/51  
Matrix: Solid Lab File ID: YF122151.D  
Analysis Method: 8015B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5(mL) Date Analyzed: 12/22/2012 18:14  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VRX ID: 0.45(mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 69738 Units: ug/L

| CAS NO.  | COMPOUND NAME | RESULT | Q | LOQ | LOD | DL |
|----------|---------------|--------|---|-----|-----|----|
| STL00061 | C6-C12        | 115    |   | 100 | 50  | 25 |

| CAS NO. | SURROGATE               | %REC | Q | LIMITS |
|---------|-------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 85   |   | 70-130 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122151.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 22-Dec-2012 18:14:18 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016087-051  
 Misc. Info.:  
 Operator: 1765 Instrument ID: YPID  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 69738 Lims Sample ID: 51  
 Detector 1 : GC ELC2B  
 Detector 2 : GC FID1A  
 Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
 Last Update: 26-Dec-2012 15:23:34 Calib Date: 27-Aug-2012 15:06:37  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
 Limit Group: GCV 8015B GRO ICAL  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK003

| Compound                           | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|------------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| S 17 Xylenes, Total                | 1   |        | 0.000          |           |          |                    | 7     |
| 6 2-Methylpentane                  | 2   | 5.135  | 5.137          | -0.002    | 440596   | 0                  |       |
| 12 Methyl tert-butyl ether         | 2   | 5.215  | 5.208          | 0.007     | 1693127  | 0                  |       |
| 3 Benzene                          | 1   |        | 7.999          |           |          |                    | 1     |
| * 15 Fluorobenzene                 | 1   | 0.000  | 8.418          | -8.418    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr)      | 2   | 9.755  | 9.756          | -0.001    | 1313479  | 8.54               |       |
| \$ 18 a,a,a-Trifluorotoluene (pid) | 1   |        | 9.772          |           |          |                    | 1     |
| A 5 C6-C10                         | 2   | 11.831 | 4.901 - 18.760 |           | 17378842 | 127.8              |       |
| 8 Toluene                          | 1   |        | 11.964         |           |          |                    | 1     |
| A 1 C6-C12                         | 2   | 13.461 | 5.001 - 21.920 |           | 22317143 | 114.5              |       |
| A 11 GRO                           | 2   | 13.655 | 4.996 - 22.314 |           | 25915619 | 0                  |       |
| 13 Ethylbenzene                    | 1   |        | 15.042         |           |          |                    | 1     |
| 2 m-Xylene & p-Xylene              | 1   |        | 15.410         |           |          |                    | 1     |
| 4 o-Xylene                         | 1   |        | 16.061         |           |          |                    | 1     |
| 10 1,3,5-Trimethylbenzene          | 1   |        | 17.985         |           |          |                    | 1     |
| 7 1,2,4-Trimethylbenzene           | 1   | 0.000  | 18.579         | -18.579   | 0        | 0                  |       |
| 14 Dodecane                        | 2   | 21.737 | 21.750         | -0.013    | 10279    | 0                  |       |
| 9 Naphthalene                      | 2   | 22.059 | 22.060         | -0.001    | 30242    | 0                  |       |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 26-Dec-2012 15:23:36

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122151.D

Injection Date: 22-Dec-2012 18:14:18

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 51

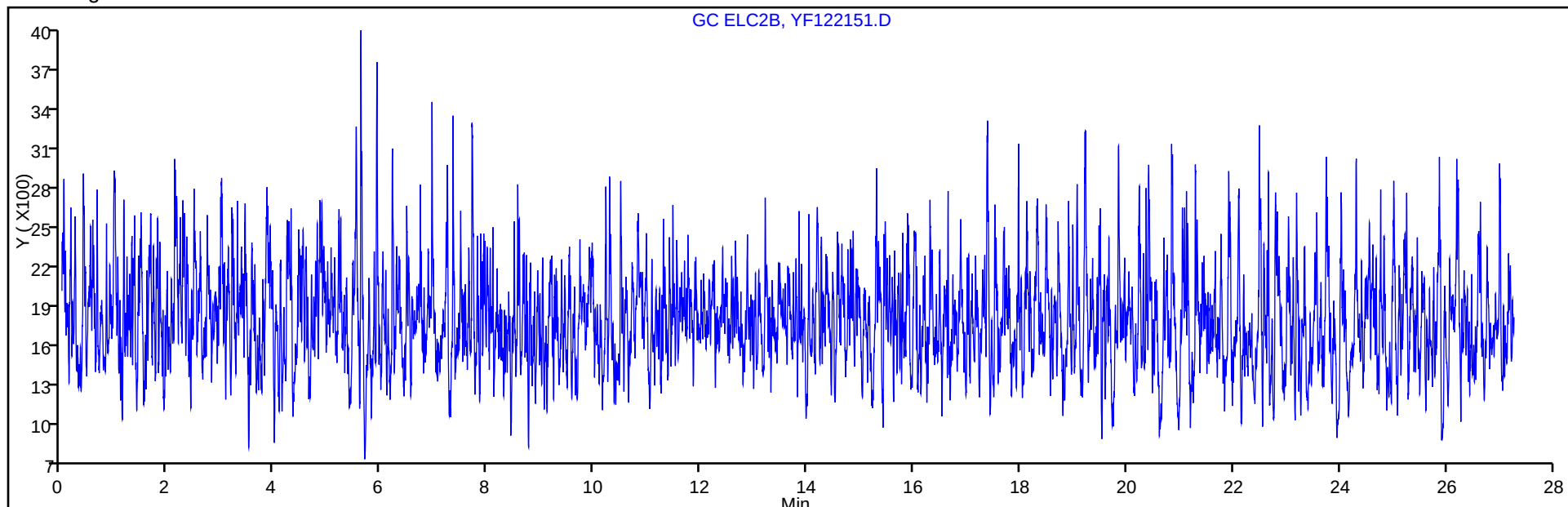
Operator ID: 1765

Purge Vol: 5.000 mL

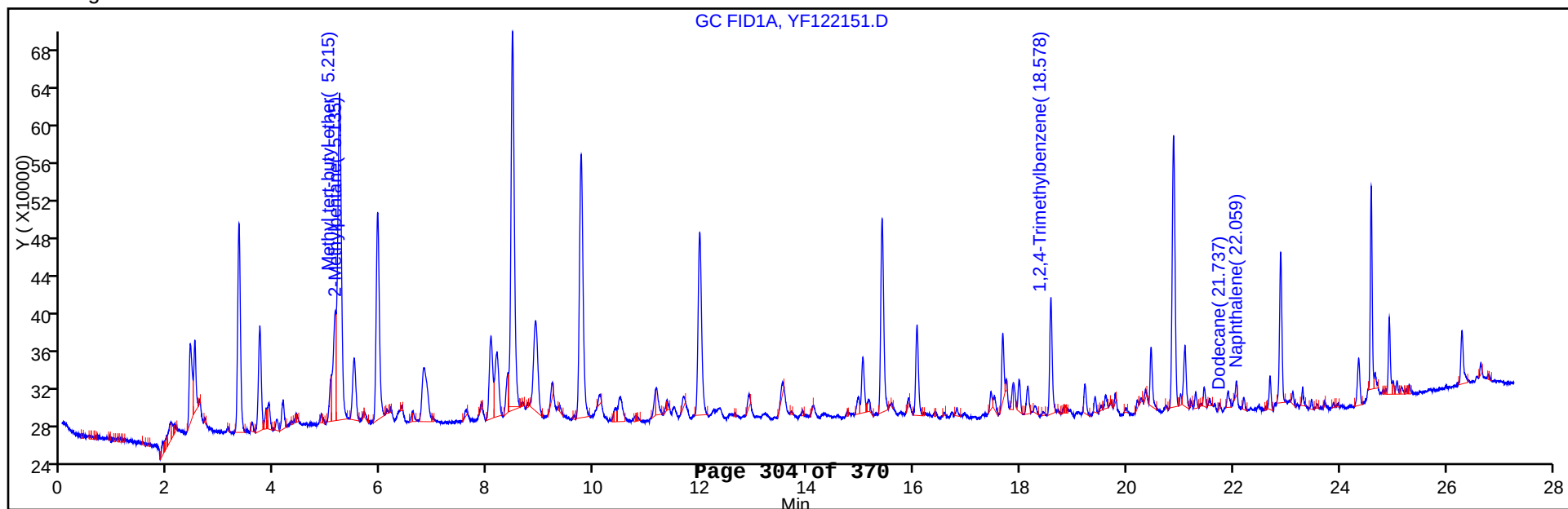
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MRL 240-69738/76  
Matrix: Solid Lab File ID: YF122176.D  
Analysis Method: 8015B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5(mL) Date Analyzed: 12/23/2012 10:05  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VRX ID: 0.45(mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 69738 Units: ug/L

| CAS NO.  | COMPOUND NAME | RESULT | Q | LOQ | LOD | DL |
|----------|---------------|--------|---|-----|-----|----|
| STL00061 | C6-C12        | 83.6   | J | 100 | 50  | 25 |

| CAS NO. | SURROGATE               | %REC | Q | LIMITS |
|---------|-------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 84   |   | 70-130 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122176.D  
 Lims ID: MRL Client ID:  
 Inject. Date: 23-Dec-2012 10:05:10 Dil. Factor: 1.0000  
 Sample Type: MRL  
 Sample ID: 240-0016087-076  
 Misc. Info.:  
 Operator: 1765 Instrument ID: YPID  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 69738 Lims Sample ID: 76  
 Detector 1 : GC ELC2B  
 Detector 2 : GC FID1A  
 Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
 Last Update: 26-Dec-2012 15:24:04 Calib Date: 27-Aug-2012 15:06:37  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
 Limit Group: GCV 8015B GRO ICAL  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK003

| Compound                           | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|------------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| S 17 Xylenes, Total                | 1   |        | 0.000          |           |          |                    | 7     |
| 6 2-Methylpentane                  | 2   | 5.137  | 5.137          | 0.0       | 476955   | 0                  |       |
| 12 Methyl tert-butyl ether         | 2   | 5.217  | 5.208          | 0.009     | 1313104  | 0                  |       |
| 3 Benzene                          | 1   |        | 7.999          |           |          |                    | 1     |
| * 15 Fluorobenzene                 | 1   | 0.000  | 8.418          | -8.418    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr)      | 2   | 9.754  | 9.757          | -0.003    | 1294072  | 8.42               |       |
| \$ 18 a,a,a-Trifluorotoluene (pid) | 1   |        | 9.772          |           |          |                    | 1     |
| A 5 C6-C10                         | 2   | 11.831 | 4.901 - 18.760 |           | 14484505 | 106.5              |       |
| 8 Toluene                          | 1   |        | 11.964         |           |          |                    | 1     |
| A 1 C6-C12                         | 2   | 13.461 | 5.001 - 21.920 |           | 18102458 | 83.6               |       |
| A 11 GRO                           | 2   | 13.655 | 4.996 - 22.314 |           | 21619863 | 0                  |       |
| 13 Ethylbenzene                    | 1   |        | 15.042         |           |          |                    | 1     |
| 2 m-Xylene & p-Xylene              | 1   |        | 15.410         |           |          |                    | 1     |
| 4 o-Xylene                         | 1   |        | 16.061         |           |          |                    | 1     |
| 10 1,3,5-Trimethylbenzene          | 1   |        | 17.985         |           |          |                    | 1     |
| 7 1,2,4-Trimethylbenzene           | 1   | 0.000  | 18.579         | -18.579   | 0        | 0                  |       |
| 14 Dodecane                        | 2   | 21.744 | 21.750         | -0.006    | 13448    | 0                  |       |
| 9 Naphthalene                      | 2   | 22.062 | 22.060         | 0.002     | 103786   | 0                  |       |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 26-Dec-2012 15:24:06

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122176.D

Injection Date: 23-Dec-2012 10:05:10

Limit Group: GCV 8015B GRO ICAL

Client ID:

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 76

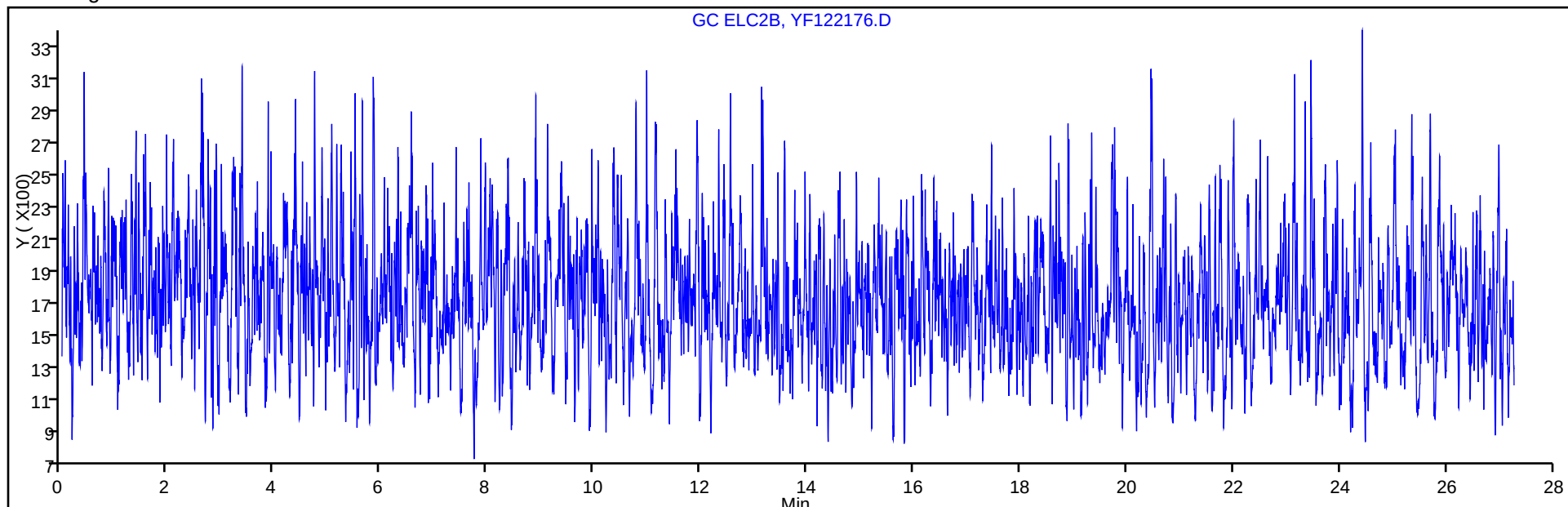
Operator ID: 1765

Purge Vol: 5.000 mL

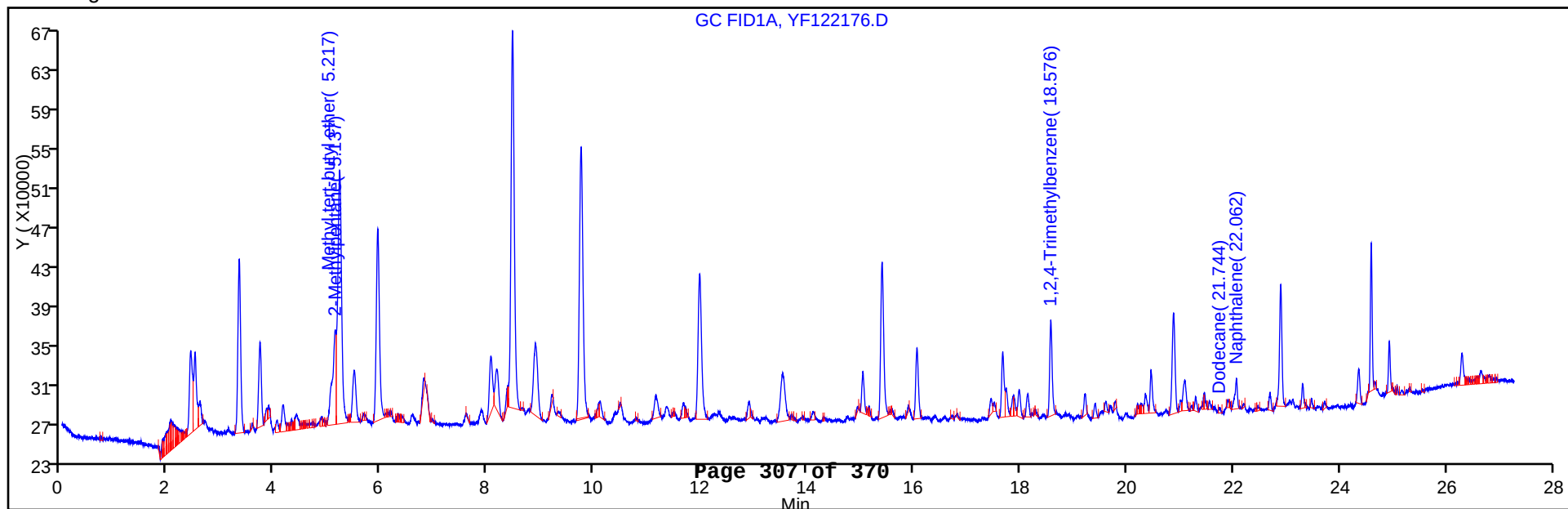
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 070SB-0042M-0001-SO MS Lab Sample ID: 240-18735-1 MS  
Matrix: Solid Lab File ID: YF122173.D  
Analysis Method: 8015B Date Collected: 12/12/2012 10:30  
Sample wt/vol: 6.126(g) Date Analyzed: 12/23/2012 08:10  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VRX ID: 0.45 (mm)  
% Moisture: 15.1 Level: (low/med) Low  
Analysis Batch No.: 69738 Units: ug/Kg

| CAS NO.  | COMPOUND NAME | RESULT | Q | LOQ | LOD | DL |
|----------|---------------|--------|---|-----|-----|----|
| STL00061 | C6-C12        | 491    |   | 96  | 48  | 44 |

| CAS NO. | SURROGATE               | %REC | Q | LIMITS |
|---------|-------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 63   |   | 10-150 |



TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122173.D  
 Lims ID: 240-18735-B-1-E MS Client ID: 070SB-0042M-0002-SO  
 Inject. Date: 23-Dec-2012 08:10:58 Dil. Factor: 1.0000  
 Sample Type: MS  
 Sample ID: 240-0016087-073  
 Misc. Info.:  
 Operator: 1765 Instrument ID: YPID  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 69738 Lims Sample ID: 73  
 Detector 1 : GC ELC2B  
 Detector 2 : GC FID1A  
 Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
 Last Update: 26-Dec-2012 15:23:58 Calib Date: 27-Aug-2012 15:06:37  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
 Limit Group: GCV 8015B GRO ICAL  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK003

| Compound                           | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|------------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| S 17 Xylenes, Total                | 1   |        | 0.000          |           |          |                    | 7     |
| 6 2-Methylpentane                  | 2   | 5.143  | 5.137          | 0.006     | 4677379  | 0                  |       |
| 12 Methyl tert-butyl ether         | 2   | 5.220  | 5.208          | 0.012     | 3748593  | 0                  |       |
| 3 Benzene                          | 1   |        | 7.999          |           |          |                    | 1     |
| * 15 Fluorobenzene                 | 1   | 0.000  | 8.418          | -8.418    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr)      | 2   | 9.758  | 9.759          | -0.001    | 965307   | 6.28               |       |
| \$ 18 a,a,a-Trifluorotoluene (pid) | 1   |        | 9.772          |           |          |                    | 1     |
| A 5 C6-C10                         | 2   | 11.831 | 4.901 - 18.760 |           | 71630106 | 526.6              |       |
| 8 Toluene                          | 1   |        | 11.964         |           |          |                    | 1     |
| A 1 C6-C12                         | 2   | 13.461 | 5.001 - 21.920 |           | 76392020 | 511.1              |       |
| A 11 GRO                           | 2   | 13.655 | 4.996 - 22.314 |           | 79749139 | 0                  |       |
| 13 Ethylbenzene                    | 1   |        | 15.042         |           |          |                    | 1     |
| 2 m-Xylene & p-Xylene              | 1   |        | 15.410         |           |          |                    | 1     |
| 4 o-Xylene                         | 1   |        | 16.061         |           |          |                    | 1     |
| 10 1,3,5-Trimethylbenzene          | 1   |        | 17.985         |           |          |                    | 1     |
| 7 1,2,4-Trimethylbenzene           | 1   | 0.000  | 18.579         | -18.579   | 0        | 0                  |       |
| 14 Dodecane                        | 2   | 21.741 | 21.750         | -0.009    | 33038    | 0                  |       |
| 9 Naphthalene                      | 2   | 22.032 | 22.060         | -0.028    | 34644    | 0                  |       |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 26-Dec-2012 15:24:02

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122173.D

Injection Date: 23-Dec-2012 08:10:58

Limit Group: GCV 8015B GRO ICAL

Client ID: 070SB-0042M-0002-SO

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 73

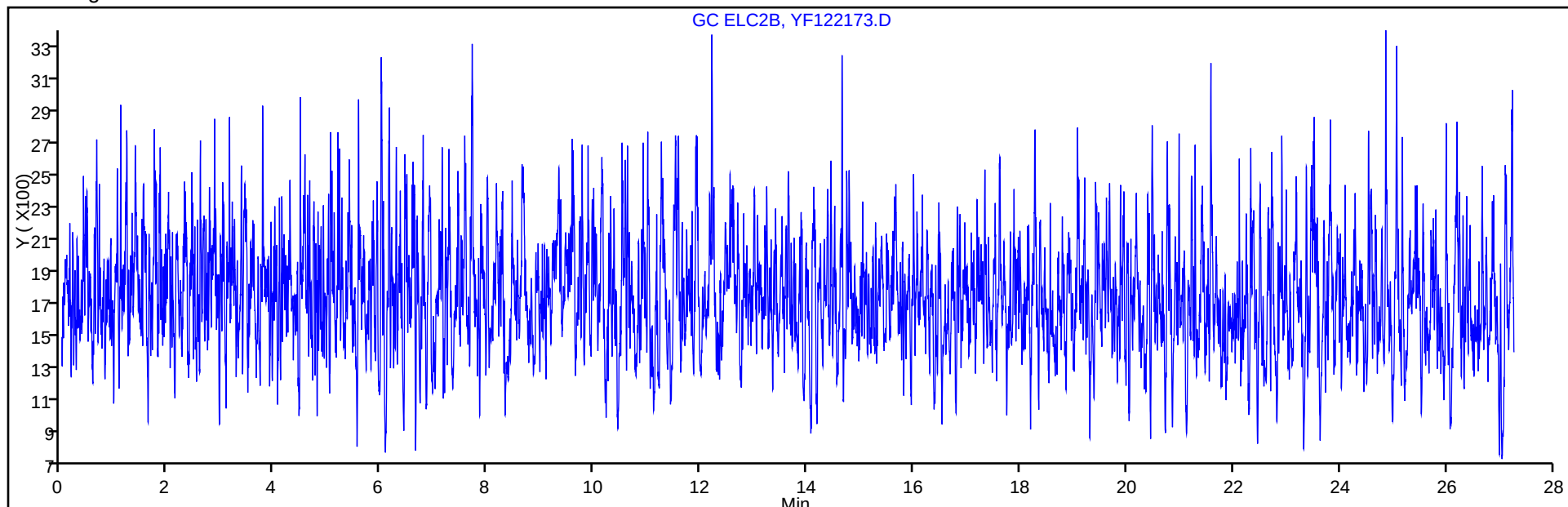
Operator ID: 1765

Purge Vol: 5.000 mL

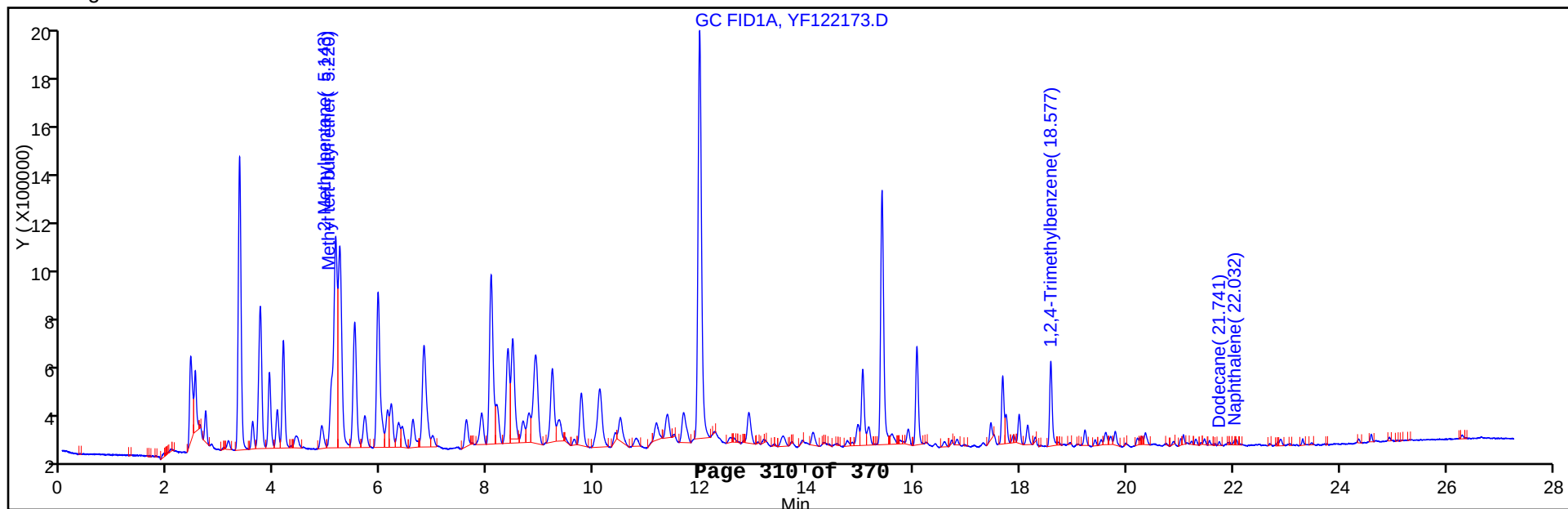
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 070SB-0042M-0001-SO MSD Lab Sample ID: 240-18735-1 MSD  
Matrix: Solid Lab File ID: YF122174.D  
Analysis Method: 8015B Date Collected: 12/12/2012 10:30  
Sample wt/vol: 6.092(g) Date Analyzed: 12/23/2012 08:49  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-VRX ID: 0.45(mm)  
% Moisture: 15.1 Level: (low/med) Low  
Analysis Batch No.: 69738 Units: ug/Kg

| CAS NO.  | COMPOUND NAME | RESULT | Q | LOQ | LOD | DL |
|----------|---------------|--------|---|-----|-----|----|
| STL00061 | C6-C12        | 466    |   | 97  | 48  | 44 |

| CAS NO. | SURROGATE               | %REC | Q | LIMITS |
|---------|-------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 64   |   | 10-150 |

TestAmerica Canton  
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122174.D  
 Lims ID: 240-18735-B-1-F MSD Client ID: 070SB-0042M-0002-SO  
 Inject. Date: 23-Dec-2012 08:49:32 Dil. Factor: 1.0000  
 Sample Type: MSD  
 Sample ID: 240-0016087-074  
 Misc. Info.:  
 Operator: 1765 Instrument ID: YPID  
 Purge Vol: 5.000 mL ALS Bottle#: 1  
 Lims Batch ID: 69738 Lims Sample ID: 74  
 Detector 1 : GC ELC2B  
 Detector 2 : GC FID1A  
 Method: \\Ncchrom\ChromData\YPID\20121221-16087.b\Y80158021.m  
 Last Update: 26-Dec-2012 15:23:58 Calib Date: 27-Aug-2012 15:06:37  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D  
 Limit Group: GCV 8015B GRO ICAL  
 Integrator: Falcon  
 Column Type: Column Dia:  
 Process Host: XAWRK003

| Compound                           | Det | RT     | ADJ<br>RT      | DLT<br>RT | Response | On-Col Amt<br>ug/l | Flags |
|------------------------------------|-----|--------|----------------|-----------|----------|--------------------|-------|
| S 17 Xylenes, Total                | 1   |        | 0.000          |           |          |                    | 7     |
| 6 2-Methylpentane                  | 2   | 5.139  | 5.137          | 0.002     | 3934338  | 0                  |       |
| 12 Methyl tert-butyl ether         | 2   | 5.221  | 5.208          | 0.013     | 4343712  | 0                  |       |
| 3 Benzene                          | 1   |        | 7.999          |           |          |                    | 1     |
| * 15 Fluorobenzene                 | 1   | 0.000  | 8.418          | -8.418    | 0        | 0                  |       |
| \$ 16 Trifluorotoluene (Surr)      | 2   | 9.759  | 9.759          | 0.0       | 989265   | 6.44               |       |
| \$ 18 a,a,a-Trifluorotoluene (pid) | 1   |        | 9.772          |           |          |                    | 1     |
| A 5 C6-C10                         | 2   | 11.831 | 4.901 - 18.760 |           | 68287574 | 502.0              |       |
| 8 Toluene                          | 1   |        | 11.964         |           |          |                    | 1     |
| A 1 C6-C12                         | 2   | 13.461 | 5.001 - 21.920 |           | 72520304 | 482.7              |       |
| A 11 GRO                           | 2   | 13.655 | 4.996 - 22.314 |           | 75744734 | 0                  |       |
| 13 Ethylbenzene                    | 1   |        | 15.042         |           |          |                    | 1     |
| 2 m-Xylene & p-Xylene              | 1   |        | 15.410         |           |          |                    | 1     |
| 4 o-Xylene                         | 1   |        | 16.061         |           |          |                    | 1     |
| 10 1,3,5-Trimethylbenzene          | 1   |        | 17.985         |           |          |                    | 1     |
| 7 1,2,4-Trimethylbenzene           | 1   | 0.000  | 18.579         | -18.579   | 0        | 0                  |       |
| 14 Dodecane                        | 2   | 21.743 | 21.750         | -0.007    | 31131    | 0                  |       |
| 9 Naphthalene                      | 2   | 22.058 | 22.060         | -0.002    | 110199   | 0                  |       |

## QC Flag Legend

## Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 26-Dec-2012 15:24:03

Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\YPID\20121221-16087.b\YF122174.D

Injection Date: 23-Dec-2012 08:49:32

Limit Group: GCV 8015B GRO ICAL

Client ID: 070SB-0042M-0002-SO

Instrument ID: YPID

Lims Batch ID: 69738

Lims Sample ID: 74

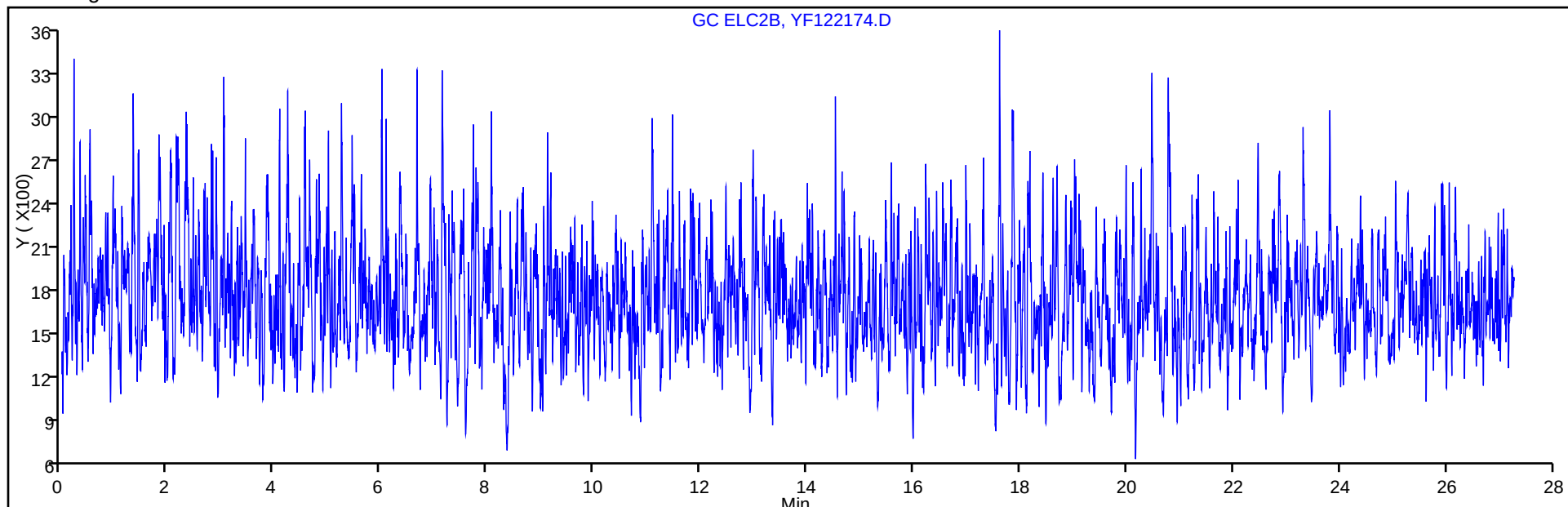
Operator ID: 1765

Purge Vol: 5.000 mL

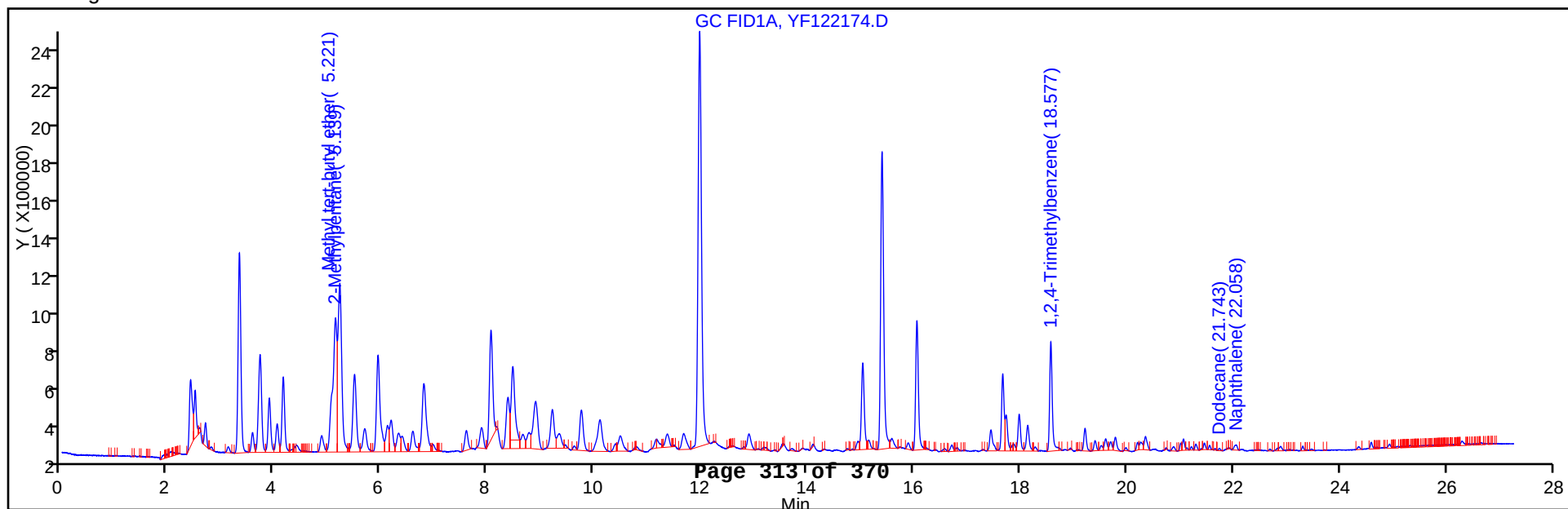
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



## GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Instrument ID: YPID Start Date: 08/15/2012 17:16Analysis Batch Number: 54511 End Date: 08/16/2012 06:06

| LAB SAMPLE ID            | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID         |
|--------------------------|------------------|------------------|--------------------|-------------|-------------------|
| ZZZZZ                    |                  | 08/15/2012 17:16 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                  | 08/15/2012 17:57 | 1                  |             | RTX-VRX 0.45 (mm) |
| STD1 240-54511/6 IC      |                  | 08/15/2012 18:36 | 1                  | YF081506.D  | RTX-VRX 0.45 (mm) |
| STD2 240-54511/7 IC      |                  | 08/15/2012 19:17 | 1                  | YF081507.D  | RTX-VRX 0.45 (mm) |
| STD3 240-54511/8 IC      |                  | 08/15/2012 19:58 | 1                  | YF081508.D  | RTX-VRX 0.45 (mm) |
| STD4 240-54511/9<br>ICRT |                  | 08/15/2012 20:39 | 1                  | YF081509.D  | RTX-VRX 0.45 (mm) |
| STD5 240-54511/10 IC     |                  | 08/15/2012 21:19 | 1                  | YF081510.D  | RTX-VRX 0.45 (mm) |
| STD6 240-54511/11 IC     |                  | 08/15/2012 22:00 | 1                  | YF081511.D  | RTX-VRX 0.45 (mm) |
| ICV 240-54511/12         |                  | 08/15/2012 22:40 | 1                  | YF081512.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                  | 08/15/2012 23:21 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                  | 08/16/2012 00:02 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                  | 08/16/2012 00:42 | 200                |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                  | 08/16/2012 01:23 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                  | 08/16/2012 02:03 | 100                |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                  | 08/16/2012 02:43 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                  | 08/16/2012 03:24 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                  | 08/16/2012 04:05 | 1000               |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                  | 08/16/2012 04:45 | 5                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                  | 08/16/2012 05:26 | 1                  |             | RTX-VRX 0.45 (mm) |
| CCV 240-54511/23         |                  | 08/16/2012 06:06 | 1                  |             | RTX-VRX 0.45 (mm) |

## GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-18735-1

SDG No.: \_\_\_\_\_

Instrument ID: YPIDStart Date: 12/21/2012 11:49Analysis Batch Number: 69738End Date: 12/23/2012 10:05

| LAB SAMPLE ID            | CLIENT SAMPLE ID   | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID         |
|--------------------------|--------------------|------------------|--------------------|-------------|-------------------|
| ZZZZZ                    |                    | 12/21/2012 11:49 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/21/2012 11:49 | 1                  |             | RTX-VRX 0.45 (mm) |
| CCV 240-69738/5<br>CCVRT |                    | 12/21/2012 13:05 | 1                  | YF122105.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/21/2012 14:20 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/21/2012 14:20 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/21/2012 14:58 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/21/2012 15:36 | 100                |             | RTX-VRX 0.45 (mm) |
| CCV 240-69738/10         |                    | 12/21/2012 16:14 | 1                  | YF122110.D  | RTX-VRX 0.45 (mm) |
| CCV 240-69738/34         |                    | 12/22/2012 07:30 | 1                  | YF122134.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 08:08 | 1                  |             | RTX-VRX 0.45 (mm) |
| MRL 240-69738/35         |                    | 12/22/2012 08:08 | 1                  | YF122135.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 08:46 | 1                  |             | RTX-VRX 0.45 (mm) |
| MB 240-69738/36          |                    | 12/22/2012 08:46 | 1                  | YF122136.D  | RTX-VRX 0.45 (mm) |
| LCS 240-69738/37         |                    | 12/22/2012 09:24 | 1                  | YF122137.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 10:01 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 10:39 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 11:16 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 11:54 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 12:32 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 12:32 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 13:10 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 13:10 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 13:47 | 1                  |             | RTX-VRX 0.45 (mm) |
| CCV 240-69738/45         |                    | 12/22/2012 14:25 | 1                  | YF122145.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 15:02 | 1                  |             | RTX-VRX 0.45 (mm) |
| 240-18735-2              | 070SB-0055-0001-TB | 12/22/2012 15:41 | 1                  | YF122147.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 16:18 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 16:56 | 1                  |             | RTX-VRX 0.45 (mm) |
| CCV 240-69738/50         |                    | 12/22/2012 17:35 | 1                  | YF122150.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 18:14 | 1                  |             | RTX-VRX 0.45 (mm) |
| MRL 240-69738/51         |                    | 12/22/2012 18:14 | 1                  | YF122151.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 18:53 | 1                  |             | RTX-VRX 0.45 (mm) |
| MB 240-69738/52          |                    | 12/22/2012 18:53 | 1                  | YF122152.D  | RTX-VRX 0.45 (mm) |
| LCS 240-69738/53         |                    | 12/22/2012 19:32 | 1                  | YF122153.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 20:11 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 20:49 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 21:27 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 22:06 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 22:44 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/22/2012 23:22 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/23/2012 00:00 | 1                  |             | RTX-VRX 0.45 (mm) |
| CCV 240-69738/61         |                    | 12/23/2012 00:38 | 1                  | YF122161.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/23/2012 01:16 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ                    |                    | 12/23/2012 01:54 | 1                  |             | RTX-VRX 0.45 (mm) |

## GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Instrument ID: YPID Start Date: 12/21/2012 11:49Analysis Batch Number: 69738 End Date: 12/23/2012 10:05

| LAB SAMPLE ID    | CLIENT SAMPLE ID           | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID         |
|------------------|----------------------------|------------------|--------------------|-------------|-------------------|
| ZZZZZ            |                            | 12/23/2012 02:31 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ            |                            | 12/23/2012 03:09 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ            |                            | 12/23/2012 03:47 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ            |                            | 12/23/2012 04:24 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ            |                            | 12/23/2012 05:02 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ            |                            | 12/23/2012 05:39 | 1                  |             | RTX-VRX 0.45 (mm) |
| ZZZZZ            |                            | 12/23/2012 06:17 | 1                  |             | RTX-VRX 0.45 (mm) |
| CCV 240-69738/71 |                            | 12/23/2012 06:55 | 1                  | YF122171.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ            |                            | 12/23/2012 07:33 | 1                  |             | RTX-VRX 0.45 (mm) |
| 240-18735-1      | 070SB-0042M-0001-SO        | 12/23/2012 07:33 | 1                  | YF122172.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ            |                            | 12/23/2012 08:10 | 1                  |             | RTX-VRX 0.45 (mm) |
| 240-18735-1 MS   | 070SB-0042M-0001-SO<br>MS  | 12/23/2012 08:10 | 1                  | YF122173.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ            |                            | 12/23/2012 08:49 | 1                  |             | RTX-VRX 0.45 (mm) |
| 240-18735-1 MSD  | 070SB-0042M-0001-SO<br>MSD | 12/23/2012 08:49 | 1                  | YF122174.D  | RTX-VRX 0.45 (mm) |
| CCV 240-69738/75 |                            | 12/23/2012 09:27 | 1                  | YF122175.D  | RTX-VRX 0.45 (mm) |
| ZZZZZ            |                            | 12/23/2012 10:05 | 1                  |             | RTX-VRX 0.45 (mm) |
| MRL 240-69738/76 |                            | 12/23/2012 10:05 | 1                  | YF122176.D  | RTX-VRX 0.45 (mm) |



## GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Batch Number: 69885 Batch Start Date: 12/22/12 09:09 Batch Analyst: Bosworth, Heather MBatch Method: 5035 Batch End Date: 12/22/12 10:00

| Lab Sample ID        | Client Sample ID        | Method Chain | Basis | TareWeight | Vial&SampleWt | InitialAmount | FinalAmount | AnalysisComment                |  |
|----------------------|-------------------------|--------------|-------|------------|---------------|---------------|-------------|--------------------------------|--|
| 240-18735-B-1        | 070SB-0042M-0001<br>-SO | 5035, 8015B  | T     | +029.791 g | 35.79 g       | 5.999 g       | 5 mL        | Job frozen on<br>12/12/12@2210 |  |
| 240-18735-B-1<br>MS  | 070SB-0042M-0001<br>-SO | 5035, 8015B  | T     | +029.914 g | 36.04 g       | 6.126 g       | 5 mL        |                                |  |
| 240-18735-B-1<br>MSD | 070SB-0042M-0001<br>-SO | 5035, 8015B  | T     | 30.378 g   | 36.47 g       | 6.092 g       | 5 mL        |                                |  |

| Batch Notes |  |
|-------------|--|
|             |  |
|             |  |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY

COVER PAGE  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-1  
SDG No.: \_\_\_\_\_  
Project: RVAAP - ECC

| Client Sample ID    | Lab Sample ID |
|---------------------|---------------|
| 070SB-0042M-0001-SO | 240-18735-1   |
| 076SB-0119-0001-SO  | 240-18735-8   |
| 076SB-0120-0001-SO  | 240-18735-9   |
| 076SB-0121-0001-SO  | 240-18735-10  |
| 076SB-0122-0001-SO  | 240-18735-11  |
| 076SB-0123-0001-SO  | 240-18735-12  |
| 076SB-0124-0001-SO  | 240-18735-13  |
| 076SB-0125-0001-SO  | 240-18735-14  |
| 076SB-0126-0001-SO  | 240-18735-15  |
| 076SB-0127-0001-SO  | 240-18735-16  |
| 076SB-0128-0001-SO  | 240-18735-17  |
| 076SB-0129-0001-SO  | 240-18735-18  |
| 076SB-0130-0001-SO  | 240-18735-19  |
| 076SB-0131-0001-SO  | 240-18735-20  |
| 076SB-0132-0001-SO  | 240-18735-21  |
| 076SB-0133-0001-SO  | 240-18735-22  |
| 076SB-0134-0001-SO  | 240-18735-23  |
| 076SB-0135-0001-SO  | 240-18735-24  |
| 076SB-0136-0001-SO  | 240-18735-25  |

Comments:

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 076SB-0119-0001-SO

Lab Sample ID: 240-18735-8

Lab Name: TestAmerica Canton

Job No.: 240-18735-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/11/2012 09:10

Reporting Basis: DRY

Date Received: 12/12/2012 17:07

% Solids: 87.5

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.91   | 0.91 | 0.91 | 0.31 | mg/Kg | U |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Client Sample ID: 076SB-0120-0001-SO | Lab Sample ID: 240-18735-9      |
| Lab Name: TestAmerica Canton         | Job No.: 240-18735-1            |
| SDG ID.:                             |                                 |
| Matrix: Solid                        | Date Sampled: 12/11/2012 11:20  |
| Reporting Basis: DRY                 | Date Received: 12/12/2012 17:07 |
| % Solids: 87.5                       |                                 |

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.34   | 0.91 | 0.91 | 0.31 | mg/Kg | J |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Client Sample ID: 076SB-0121-0001-SO | Lab Sample ID: 240-18735-10     |
| Lab Name: TestAmerica Canton         | Job No.: 240-18735-1            |
| SDG ID.:                             |                                 |
| Matrix: Solid                        | Date Sampled: 12/11/2012 10:50  |
| Reporting Basis: DRY                 | Date Received: 12/12/2012 17:07 |
| % Solids: 88.9                       |                                 |

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.90   | 0.90 | 0.90 | 0.30 | mg/Kg | U |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 076SB-0122-0001-SO      Lab Sample ID: 240-18735-11

Lab Name: TestAmerica Canton      Job No.: 240-18735-1

SDG ID.: \_\_\_\_\_

Matrix: Solid      Date Sampled: 12/11/2012 09:30

Reporting Basis: DRY      Date Received: 12/12/2012 17:07

% Solids: 84.9

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.94   | 0.94 | 0.94 | 0.32 | mg/Kg | U |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Client Sample ID: 076SB-0123-0001-SO | Lab Sample ID: 240-18735-12     |
| Lab Name: TestAmerica Canton         | Job No.: 240-18735-1            |
| SDG ID.:                             |                                 |
| Matrix: Solid                        | Date Sampled: 12/11/2012 09:50  |
| Reporting Basis: DRY                 | Date Received: 12/12/2012 17:07 |
| % Solids: 86.5                       |                                 |

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.92   | 0.92 | 0.92 | 0.31 | mg/Kg | U |   | 1   | 7196A  |



1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 076SB-0124-0001-SO

Lab Sample ID: 240-18735-13

Lab Name: TestAmerica Canton

Job No.: 240-18735-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/11/2012 10:15

Reporting Basis: DRY

Date Received: 12/12/2012 17:07

% Solids: 86.5

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.92   | 0.92 | 0.92 | 0.31 | mg/Kg | U |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Client Sample ID: 076SB-0125-0001-SO | Lab Sample ID: 240-18735-14     |
| Lab Name: TestAmerica Canton         | Job No.: 240-18735-1            |
| SDG ID.:                             |                                 |
| Matrix: Solid                        | Date Sampled: 12/12/2012 10:15  |
| Reporting Basis: DRY                 | Date Received: 12/12/2012 17:07 |
| % Solids: 91.3                       |                                 |

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.88   | 0.88 | 0.88 | 0.30 | mg/Kg | U |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Client Sample ID: 076SB-0126-0001-SO | Lab Sample ID: 240-18735-15     |
| Lab Name: TestAmerica Canton         | Job No.: 240-18735-1            |
| SDG ID.:                             |                                 |
| Matrix: Solid                        | Date Sampled: 12/11/2012 15:55  |
| Reporting Basis: DRY                 | Date Received: 12/12/2012 17:07 |
| % Solids: 90.3                       |                                 |

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.31   | 0.89 | 0.89 | 0.30 | mg/Kg | J |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Client Sample ID: 076SB-0127-0001-SO | Lab Sample ID: 240-18735-16     |
| Lab Name: TestAmerica Canton         | Job No.: 240-18735-1            |
| SDG ID.:                             |                                 |
| Matrix: Solid                        | Date Sampled: 12/11/2012 15:55  |
| Reporting Basis: DRY                 | Date Received: 12/12/2012 17:07 |
| % Solids: 89.9                       |                                 |

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.89   | 0.89 | 0.89 | 0.30 | mg/Kg | U |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 076SB-0128-0001-SO      Lab Sample ID: 240-18735-17

Lab Name: TestAmerica Canton      Job No.: 240-18735-1

SDG ID.: \_\_\_\_\_

Matrix: Solid      Date Sampled: 12/11/2012 15:20

Reporting Basis: DRY      Date Received: 12/12/2012 17:07

% Solids: 90.5

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.88   | 0.88 | 0.88 | 0.30 | mg/Kg | U |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Client Sample ID: 076SB-0129-0001-SO | Lab Sample ID: 240-18735-18     |
| Lab Name: TestAmerica Canton         | Job No.: 240-18735-1            |
| SDG ID.:                             |                                 |
| Matrix: Solid                        | Date Sampled: 12/11/2012 14:50  |
| Reporting Basis: DRY                 | Date Received: 12/12/2012 17:07 |
| % Solids: 89.9                       |                                 |

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.89   | 0.89 | 0.89 | 0.30 | mg/Kg | U |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Client Sample ID: 076SB-0130-0001-SO | Lab Sample ID: 240-18735-19     |
| Lab Name: TestAmerica Canton         | Job No.: 240-18735-1            |
| SDG ID.:                             |                                 |
| Matrix: Solid                        | Date Sampled: 12/12/2012 10:49  |
| Reporting Basis: DRY                 | Date Received: 12/12/2012 17:07 |
| % Solids: 91.4                       |                                 |

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.88   | 0.88 | 0.88 | 0.30 | mg/Kg | U |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Client Sample ID: 076SB-0131-0001-SO | Lab Sample ID: 240-18735-20     |
| Lab Name: TestAmerica Canton         | Job No.: 240-18735-1            |
| SDG ID.:                             |                                 |
| Matrix: Solid                        | Date Sampled: 12/12/2012 11:24  |
| Reporting Basis: DRY                 | Date Received: 12/12/2012 17:07 |
| % Solids: 91.5                       |                                 |

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.87   | 0.87 | 0.87 | 0.29 | mg/Kg | U |   | 1   | 7196A  |



1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Client Sample ID: 076SB-0132-0001-SO | Lab Sample ID: 240-18735-21     |
| Lab Name: TestAmerica Canton         | Job No.: 240-18735-1            |
| SDG ID.:                             |                                 |
| Matrix: Solid                        | Date Sampled: 12/11/2012 12:25  |
| Reporting Basis: DRY                 | Date Received: 12/12/2012 17:07 |
| % Solids: 81.0                       |                                 |

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.99   | 0.99 | 0.99 | 0.33 | mg/Kg | U |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 076SB-0133-0001-SO

Lab Sample ID: 240-18735-22

Lab Name: TestAmerica Canton

Job No.: 240-18735-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/11/2012 12:25

Reporting Basis: DRY

Date Received: 12/12/2012 17:07

% Solids: 81.2

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.39   | 0.98 | 0.98 | 0.33 | mg/Kg | J |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Client Sample ID: 076SB-0134-0001-SO | Lab Sample ID: 240-18735-23     |
| Lab Name: TestAmerica Canton         | Job No.: 240-18735-1            |
| SDG ID.:                             |                                 |
| Matrix: Solid                        | Date Sampled: 12/11/2012 13:15  |
| Reporting Basis: DRY                 | Date Received: 12/12/2012 17:07 |
| % Solids: 88.4                       |                                 |

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.37   | 0.91 | 0.91 | 0.31 | mg/Kg | J |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 076SB-0135-0001-SO

Lab Sample ID: 240-18735-24

Lab Name: TestAmerica Canton

Job No.: 240-18735-1

SDG ID.:

Matrix: Solid

Date Sampled: 12/11/2012 13:40

Reporting Basis: DRY

Date Received: 12/12/2012 17:07

% Solids: 86.8

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.92   | 0.92 | 0.92 | 0.31 | mg/Kg | U |   | 1   | 7196A  |

1B-IN  
INORGANIC ANALYSIS DATA SHEET  
GENERAL CHEMISTRY

Client Sample ID: 076SB-0136-0001-SO      Lab Sample ID: 240-18735-25

Lab Name: TestAmerica Canton      Job No.: 240-18735-1

SDG ID.:

Matrix: Solid      Date Sampled: 12/11/2012 14:10

Reporting Basis: DRY      Date Received: 12/12/2012 17:07

% Solids: 86.5

| Analyte | Result | LOQ  | LOD  | DL   | Units | C | Q | DIL | Method |
|---------|--------|------|------|------|-------|---|---|-----|--------|
| Cr (VI) | 0.92   | 0.92 | 0.92 | 0.31 | mg/Kg | U |   | 1   | 7196A  |

2-IN  
CALIBRATION QUALITY CONTROL  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
 SDG No.: \_\_\_\_\_  
 Analyst: LG Batch Start Date: 01/02/2013  
 Reporting Units: mg/Kg Analytical Batch No.: 70884

| Sample Number | QC Type | Time  | Analyte | Result | Spike Amount | (%) Recovery | Limits | Qual | Reagent             |
|---------------|---------|-------|---------|--------|--------------|--------------|--------|------|---------------------|
| 1             | ICV     | 00:00 | Cr (VI) | 20.6   | 20.0         | 103          | 90-110 |      | WCCHROME50PM2_00010 |
| 2             | ICB     | 00:00 | Cr (VI) | 0.80   |              |              |        | U    |                     |
| 6             | CCV     | 12:51 | Cr (VI) | 19.6   | 20.0         | 98           | 90-110 |      | WCCHROME50PPM_00009 |
| 7             | CCB     | 12:51 | Cr (VI) | 0.80   |              |              |        | U    |                     |
| 10            | CCV     | 12:55 | Cr (VI) | 19.6   | 20.0         | 98           | 90-110 |      | WCCHROME50PPM_00009 |
| 11            | CCB     | 12:55 | Cr (VI) | 0.80   |              |              |        | U    |                     |
| 14            | CCV     | 12:58 | Cr (VI) | 19.6   | 20.0         | 98           | 90-110 |      | WCCHROME50PPM_00009 |
| 15            | CCB     | 12:58 | Cr (VI) | 0.80   |              |              |        | U    |                     |
| 18            | CCV     | 13:12 | Cr (VI) | 19.4   | 20.0         | 97           | 90-110 |      | WCCHROME50PPM_00009 |
| 19            | CCB     | 13:12 | Cr (VI) | 0.80   |              |              |        | U    |                     |
| 22            | CCV     | 13:15 | Cr (VI) | 19.4   | 20.0         | 97           | 90-110 |      | WCCHROME50PPM_00009 |
| 23            | CCB     | 13:15 | Cr (VI) | 0.80   |              |              |        | U    |                     |
| 26            | CCV     | 13:19 | Cr (VI) | 19.3   | 20.0         | 97           | 90-110 |      | WCCHROME50PPM_00009 |
| 27            | CCB     | 13:19 | Cr (VI) | 0.80   |              |              |        | U    |                     |
| 30            | CCV     | 13:31 | Cr (VI) | 19.0   | 20.0         | 95           | 90-110 |      | WCCHROME50PPM_00009 |
| 31            | CCB     | 13:31 | Cr (VI) | 0.80   |              |              |        | U    |                     |
| 34            | CCV     | 13:35 | Cr (VI) | 19.0   | 20.0         | 95           | 90-110 |      | WCCHROME50PPM_00009 |
| 35            | CCB     | 13:35 | Cr (VI) | 0.80   |              |              |        | U    |                     |
| 38            | CCV     | 13:38 | Cr (VI) | 20.1   | 20.0         | 101          | 90-110 |      | WCCHROME50PPM_00009 |
| 39            | CCB     | 13:38 | Cr (VI) | 0.80   |              |              |        | U    |                     |
| 42            | CCV     | 13:44 | Cr (VI) | 20.0   | 20.0         | 100          | 90-110 |      | WCCHROME50PPM_00009 |
| 43            | CCB     | 13:44 | Cr (VI) | 0.80   |              |              |        | U    |                     |
| 45            | CCV     | 13:49 | Cr (VI) | 20.0   | 20.0         | 100          | 90-110 |      | WCCHROME50PPM_00009 |
| 46            | CCB     | 13:49 | Cr (VI) | 0.80   |              |              |        | U    |                     |

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

3-IN  
METHOD BLANK  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

| Method          | Lab Sample ID          | Analyte           | Result                 | Qual | Units | LOQ  | Dil |
|-----------------|------------------------|-------------------|------------------------|------|-------|------|-----|
| Batch ID: 70884 | Date: 01/02/2013 00:00 | Prep Batch: 70771 | Date: 12/31/2012 13:31 |      |       |      |     |
| 7196A           | MB 240-70771/9-A       | Cr (VI)           | 0.80                   | U    | mg/Kg | 0.80 | 1   |

6-IN  
DUPLICATE  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid

| Method                                                                          | Client<br>Sample ID | Lab<br>Sample ID | Analyte | Result | Unit  | RPD | RPD<br>Limit | Qual |
|---------------------------------------------------------------------------------|---------------------|------------------|---------|--------|-------|-----|--------------|------|
| Batch ID: 70884 Date: 01/02/2013 13:14 Prep Batch: 70771 Date: 12/31/2012 13:31 |                     |                  |         |        |       |     |              |      |
| 7196A                                                                           | 076SB-0125-0001-SO  | 240-18735-14     | Cr (VI) | 0.88   | mg/Kg |     |              | U    |
| 7196A                                                                           | 076SB-0125-0001-SO  | 240-18735-14 DU  | Cr (VI) | 0.86   | mg/Kg | NC  |              | U    |

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



7A-IN  
LAB CONTROL SAMPLE SOLUBLE  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Matrix: Solid

| Method                                                                                                             | Lab Sample ID          | Analyte | Result | C | Unit  | Spike Amount | Pct. Rec. | Limits | RPD | RPD Limit | Q |
|--------------------------------------------------------------------------------------------------------------------|------------------------|---------|--------|---|-------|--------------|-----------|--------|-----|-----------|---|
| Batch ID: 70884 Date: 01/02/2013 00:00 Prep Batch: 70771 Date: 12/31/2012 13:31<br>LCS Source: WCCHROME50PM2_00010 |                        |         |        |   |       |              |           |        |     |           |   |
| 7196A                                                                                                              | LCSS<br>240-70771/10-A | Cr (VI) | 20.6   |   | mg/Kg | 20.0         | 103       | 90-110 |     |           |   |
| Batch ID: 70884 Date: 01/02/2013 00:00 Prep Batch: 70771 Date: 12/31/2012 13:31<br>LCS Source: WCPBCHROMATE_00004  |                        |         |        |   |       |              |           |        |     |           |   |
| 7196A                                                                                                              | LCSI<br>240-70771/11-A | Cr (VI) | 690    |   | mg/Kg | 643          | 107       | 75-125 |     |           |   |

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

FORM VIIA-IN

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-1  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: ERNIE-CR  
Method: 7196A DL Date: 01/27/2010 16:56  
Prep Method: 3060A

| Analyte | Wavelength/<br>Mass | LOQ<br>(mg/Kg) | DL<br>(mg/Kg) |
|---------|---------------------|----------------|---------------|
| Cr (VI) |                     | 0.8            | 0.27          |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-1  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: ERNIE-CR  
Method: 7196A XMDL Date: 01/27/2010 16:56

| Analyte | Wavelength/<br>Mass | XRL<br>(mg/Kg) | XMDL<br>(mg/Kg) |
|---------|---------------------|----------------|-----------------|
| Cr (VI) |                     | 0.8            | 0.27            |

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-1  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: NOEQUIP  
Method: Moisture LOQ Date: 01/28/2010 09:24

| Analyte          | Wavelength/<br>Mass | LOQ<br>(%) |  |
|------------------|---------------------|------------|--|
| Percent Moisture |                     | 0.1        |  |
| Percent Solids   |                     | 0.1        |  |

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18735-1  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: NOEQUIP  
Method: Moisture XRL Date: 01/28/2010 09:24

| Analyte          | Wavelength/<br>Mass | XRL<br>(mg/L) |  |
|------------------|---------------------|---------------|--|
| Percent Moisture |                     | 10            |  |
| Percent Solids   |                     | 10            |  |

12-IN  
PREPARATION LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Prep Method: 3060A

| Lab Sample ID       | Preparation Date | Prep Batch | Initial Weight (g) | Initial Volume | Final Volume (mL) |
|---------------------|------------------|------------|--------------------|----------------|-------------------|
| MB 240-70771/9-A    | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| LCSS 240-70771/10-A | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| LCSI 240-70771/11-A | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-8         | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-9         | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-10        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-11        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-12        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-13        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-14 DU     | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-14        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-15        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-16        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-17        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-18        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-19        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-20        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-21        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-22        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-23        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-24        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |
| 240-18735-25        | 12/31/2012 13:31 | 70771      | 2.5                |                | 100               |

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Instrument ID: ERNIE-CR Method: 7196A

Start Date: 01/02/2013 00:00 End Date: 01/02/2013 13:50

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | C<br>r<br>6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICV 240-70771/7-A   | 1           |                  | 00:00 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ICB 240-70771/8-A   | 1           |                  | 00:00 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MB 240-70771/9-A    | 1           | T                | 00:00 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCSS 240-70771/10-A | 1           | T                | 00:00 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LCSI 240-70771/11-A | 1           | T                | 00:00 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  | 1           |                  | 12:51 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  | 1           |                  | 12:51 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-8         | 1           | T                | 12:53 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-9         | 1           | T                | 12:54 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  | 1           |                  | 12:55 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  | 1           |                  | 12:55 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-10        | 1           | T                | 12:57 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-11        | 1           | T                | 12:57 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  | 1           |                  | 12:58 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  | 1           |                  | 12:58 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-12        | 1           | T                | 13:11 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-13        | 1           | T                | 13:11 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  | 1           |                  | 13:12 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  | 1           |                  | 13:12 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-14 DU     | 1           | T                | 13:14 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-14        | 1           | T                | 13:15 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  | 1           |                  | 13:15 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  | 1           |                  | 13:15 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-15        | 1           | T                | 13:17 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-16        | 1           | T                | 13:18 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  | 1           |                  | 13:19 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  | 1           |                  | 13:19 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-17        | 1           | T                | 13:26 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-18        | 1           | T                | 13:30 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  | 1           |                  | 13:31 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  | 1           |                  | 13:31 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-19        | 1           | T                | 13:33 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-20        | 1           | T                | 13:34 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  | 1           |                  | 13:35 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  | 1           |                  | 13:35 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-21        | 1           | T                | 13:37 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-22        | 1           | T                | 13:38 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  | 1           |                  | 13:38 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  | 1           |                  | 13:38 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-23        | 1           | T                | 13:43 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-24        | 1           | T                | 13:43 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  | 1           |                  | 13:44 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Instrument ID: ERNIE-CR Method: 7196A

Start Date: 01/02/2013 00:00 End Date: 01/02/2013 13:50

| Lab<br>Sample<br>ID | D<br>/<br>F | T<br>y<br>p<br>e | Time  | Analytes    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|-------------|------------------|-------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |             |                  |       | C<br>r<br>6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  | 1           |                  | 13:44 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 240-18735-25        | 1           | T                | 13:47 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  | 1           |                  | 13:49 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  | 1           |                  | 13:49 | X           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ZZZZZZ              |             |                  | 13:49 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCV 240-70771/12-A  |             |                  | 13:50 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CCB 240-70771/13-A  |             |                  | 13:50 |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Prep Types

T = Total/NA



13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13                      End Date: 12/13/2012 14:13

[illegible]

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Job No.: 240-18735-1

Method: Moisture

End Date: 12/13/2012 14:13

[illegible]

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Job No.: 240-18735-1

Method: Moisture

End Date: 12/13/2012 14:13

[illegible]

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

[illegible]

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2012 12:13 End Date: 12/13/2012 14:13

Prep Types

T = Total/NA



|                 |       |       |       |         |       |           |          |         |         |       |
|-----------------|-------|-------|-------|---------|-------|-----------|----------|---------|---------|-------|
|                 | 2.51  | 0.021 | 0     | 0.021   | 0.80  | Intercept | 0.00396  |         |         | 12:54 |
|                 | 2.46  | 0.052 | 0     | 0.052   | 4.07  | r         | 0.99917  |         |         | 12:54 |
|                 | 2.48  | 0.27  | 0     | 0.270   | 20.16 |           |          |         |         | 12:55 |
| CCV 240-70771/  | 2.500 | 0.293 | 2.5   | 100     | 1     | 20        | 98%      | Cr (VI) | 19.5857 | 12:55 |
| CCB 240-70771/  | 2.500 | 0.000 | 2.5   | 100     | 1     |           |          | Cr (VI) | -0.3448 | 12:55 |
| 240-18735-B-10- | 2.47  | 0     | 0     | 0.000   | 0.00  | Slope     | 0.01321  | Cr (VI) | 0.0000  | 12:57 |
|                 | 2.45  | 0.011 | 0     | 0.011   | 0.82  | Intercept | 0.00284  |         |         | 12:57 |
|                 | 2.47  | 0.063 | 0     | 0.063   | 4.05  | r         | 0.99935  |         |         | 12:57 |
|                 | 2.47  | 0.269 | 0     | 0.269   | 20.24 |           |          |         |         | 12:57 |
| 240-18735-B-11- | 2.54  | 0     | 0.000 | 0.000   | 0.00  | Slope     | 0.01216  | Cr (VI) | 0.0000  | 12:57 |
|                 | 2.55  | 0.007 | 0.000 | 0.007   | 0.78  | Intercept | -0.00338 |         |         | 12:58 |
|                 | 2.5   | 0.04  | 0.000 | 0.040   | 4.00  | r         | 0.99946  |         |         | 12:58 |
|                 | 2.54  | 0.237 | 0.000 | 0.237   | 19.69 |           |          |         |         | 12:58 |
| CCV 240-70771/  | 2.500 | 0.293 | 2.5   | 100     | 1     | 20        | 98%      | Cr (VI) | 19.5857 | 12:58 |
| CCB 240-70771/  | 2.500 | 0.000 | 2.5   | 100     | 1     |           |          | Cr (VI) | -0.3448 | 12:58 |
| 240-18735-B-12- | 2.48  | 0     | 0     | 0.000   | 0.00  | Slope     | 0.01293  | Cr (VI) | 0.0000  | 13:11 |
|                 | 2.55  | 0.007 | 0     | 0.007   | 0.78  | Intercept | -0.00024 |         |         | 13:11 |
|                 | 2.53  | 0.054 | 0     | 0.054   | 3.95  | r         | 0.99980  |         |         | 13:11 |
|                 | 2.46  | 0.262 | 0     | 0.262   | 20.33 |           |          |         |         | 13:11 |
| 240-18735-B-13- | 2.5   | 0     | 0     | 0.000   | 0.00  | Slope     | 0.01342  | Cr (VI) | 0.0000  | 13:11 |
|                 | 2.51  | 0.009 | 0     | 0.009   | 0.80  | Intercept | -0.00416 |         |         | 13:12 |
|                 | 2.52  | 0.041 | 0     | 0.041   | 3.97  | r         | 0.99905  |         |         | 13:12 |
|                 | 2.48  | 0.268 | 0     | 0.268   | 20.16 |           |          |         |         | 13:12 |
| CCV 240-70771/  | 2.500 | 0.29  | 2.5   | 100.000 | 1     | 20        | 97%      | Cr (VI) | 19.3817 | 13:12 |
| CCB 240-70771/  | 2.500 | 0     | 2.5   | 100.000 | 1     |           |          | Cr (VI) | -0.3448 | 13:12 |
| 240-18735-C-14- | 2.45  | 0     | 0     | 0.000   | 0.00  | Slope     | 0.00800  | Cr (VI) | 0.0000  | 13:14 |
|                 | 2.48  | 0.008 | 0     | 0.008   | 0.81  | Intercept | 0.00123  |         |         | 13:14 |
|                 | 2.53  | 0.034 | 0     | 0.034   | 3.95  | r         | 0.99991  |         |         | 13:14 |
|                 | 2.47  | 0.163 | 0     | 0.163   | 20.24 |           |          |         |         | 13:14 |
| 240-18735-C-14- | 2.52  | 0     | 0     | 0.000   | 0.00  | Slope     | 0.01023  | Cr (VI) | 0.0000  | 13:15 |
|                 | 2.5   | 0.006 | 0     | 0.006   | 0.80  | Intercept | -0.00276 |         |         | 13:15 |
|                 | 2.5   | 0.034 | 0     | 0.034   | 4.00  | r         | 0.99952  |         |         | 13:15 |
|                 | 2.52  | 0.201 | 0     | 0.201   | 19.84 |           |          |         |         | 13:15 |
| CCV 240-70771/  | 2.500 | 0.29  | 2.5   | 100.000 | 1     | 20        | 97%      | Cr (VI) | 19.3817 | 13:15 |
| CCB 240-70771/  | 2.500 | 0.000 | 2.5   | 100.000 | 1     |           |          | Cr (VI) | -0.3448 | 13:15 |
| 240-18735-B-15- | 2.5   | 0.007 | 0     | 0.007   | 0.00  | Slope     | 0.00931  | Cr (VI) | 0.2773  | 13:17 |
|                 | 2.51  | 0.013 | 0     | 0.013   | 0.80  | Intercept | 0.00258  |         |         | 13:18 |
|                 | 2.48  | 0.031 | 0     | 0.031   | 4.03  | r         | 0.99753  |         |         | 13:18 |





|                 |       |       |       |         |       |           |          |         |         |       |
|-----------------|-------|-------|-------|---------|-------|-----------|----------|---------|---------|-------|
|                 | 2.49  | 0.005 | 0     | 0.005   | 0.80  | Intercept | 0.00229  |         |         | 13:43 |
|                 | 2.46  | 0.035 | 0     | 0.035   | 4.07  | r         | 0.99904  |         |         | 13:43 |
|                 | 2.52  | 0.142 | 0     | 0.142   | 19.84 |           |          |         |         | 13:43 |
| 240-18735-B-24  | 2.55  | 0.003 | 0     | 0.003   | 0.00  | Slope     | 0.01347  | Cr (VI) | 0.0000  | 13:43 |
|                 | 2.48  | 0.014 | 0     | 0.014   | 0.81  | Intercept | -0.00011 |         |         | 13:44 |
|                 | 2.5   | 0.046 | 0     | 0.046   | 4.00  | r         | 0.99917  |         |         | 13:44 |
|                 | 2.46  | 0.275 | 0     | 0.275   | 20.33 |           |          |         |         | 13:44 |
| CCV 240-70771/  | 2.500 | 0.299 | 2.5   | 100.000 | 1     | 20        | 100%     | Cr (VI) | 19.9939 | 13:44 |
| CCB 240-70771/  | 2.500 | 0     | 2.5   | 100.000 | 1     |           |          | Cr (VI) | -0.3448 | 13:44 |
| 240-18735-B-25  | 2.45  | 0.004 | 0.002 | 0.002   | 0.00  | Slope     | 0.01297  | Cr (VI) | 0.0000  | 13:47 |
|                 | 2.53  | 0.009 | 0     | 0.009   | 0.79  | Intercept | -0.00113 |         |         | 13:47 |
|                 | 2.55  | 0.046 | 0     | 0.046   | 3.92  | r         | 0.99972  |         |         | 13:48 |
|                 | 2.53  | 0.26  | 0.004 | 0.256   | 19.76 |           |          |         |         | 13:48 |
| 240-19201-B-1-F | 2.55  | 0.011 | 0.014 | -0.003  | 0.00  | Slope     | -0.00029 | Cr (VI) | 0.0000  | 13:48 |
|                 | 2.48  | 0.009 | 0.007 | 0.002   | 0.81  | Intercept | 0.00206  |         |         | 13:48 |
|                 | 2.5   | 0.013 | 0.006 | 0.007   | 4.00  | r         | -0.50463 |         |         | 13:48 |
|                 | 2.54  | 0.006 | 0.011 | -0.005  | 19.69 |           |          |         |         | 13:49 |
| CCV 240-70771/  | 2.500 | 0.299 | 2.5   | 100.000 | 1     | 20        | 100%     | Cr (VI) | 19.9939 | 13:49 |
| CCB 240-70771/  | 2.500 | 0.000 | 2.5   | 100.000 | 1     |           |          | Cr (VI) | -0.3448 | 13:49 |
| 240-19201-B-1-F | 2.500 | 0     | 2.500 | 100.000 | 1     |           |          | Cr (VI) | -0.3448 | 13:49 |
|                 | 2.500 |       |       | 100.000 | 1     |           |          | Cr (VI) | 0.0000  |       |
|                 | 2.500 |       |       | 100.000 | 1     |           |          | Cr (VI) | 0.0000  |       |
|                 | 2.500 |       |       | 100.000 | 1     |           |          | Cr (VI) | 0.0000  |       |
|                 | 2.500 |       |       | 100.000 | 1     |           |          | Cr (VI) | 0.0000  |       |
|                 | 2.500 |       |       | 100.000 | 1     |           |          | Cr (VI) | 0.0000  |       |
|                 | 2.500 |       |       | 100.000 | 1     |           |          | Cr (VI) | 0.0000  |       |
|                 | 2.500 |       |       | 100.000 | 1     |           |          | Cr (VI) | 0.0000  |       |
|                 | 2.500 |       |       | 100.000 | 1     |           |          | Cr (VI) | 0.0000  |       |
|                 | 2.500 |       |       | 100.000 | 1     |           |          | Cr (VI) | 0.0000  |       |
| CCV 240-70771/  | 2.500 | 0.299 | 2.5   | 100.000 | 1     | 20        | 100%     | Cr (VI) | 19.9939 | 13:50 |
| CCB 240-70771/  | 2.500 | 0.000 | 2.5   | 100.000 | 1     |           |          | Cr (VI) | -0.3448 | 13:50 |

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Batch Number: 70771 Batch Start Date: 12/31/12 13:31 Batch Analyst: Nicholas, CourtneyBatch Method: 3060A Batch End Date: 01/02/13 09:30

| Lab Sample ID        | Client Sample ID   | Method Chain | Basis | InitialAmount | FinalAmount | WCCHROME50PM2<br>00010 | WCCHROME50PPM<br>00009 | WCPBCHROMATE<br>00004 |  |
|----------------------|--------------------|--------------|-------|---------------|-------------|------------------------|------------------------|-----------------------|--|
| ICV 240-70771/7      |                    | 3060A, 7196A |       | 2.5 g         | 100 mL      | 1 mL                   |                        |                       |  |
| ICB 240-70771/8      |                    | 3060A, 7196A |       | 2.5 g         | 100 mL      |                        |                        |                       |  |
| MB 240-70771/9       |                    | 3060A, 7196A |       | 2.5 g         | 100 mL      |                        |                        |                       |  |
| LCSS<br>240-70771/10 |                    | 3060A, 7196A |       | 2.5 g         | 100 mL      | 1 mL                   |                        |                       |  |
| LCSI<br>240-70771/11 |                    | 3060A, 7196A |       | 2.5 g         | 100 mL      |                        |                        | 0.01 g                |  |
| CCV<br>240-70771/12  |                    | 3060A, 7196A |       | 2.5 g         | 100 mL      |                        | 1 mL                   |                       |  |
| CCB<br>240-70771/13  |                    | 3060A, 7196A |       | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-8        | 076SB-0119-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-9        | 076SB-0120-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-10       | 076SB-0121-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-11       | 076SB-0122-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-12       | 076SB-0123-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-13       | 076SB-0124-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-C-14<br>DU | 076SB-0125-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-C-14       | 076SB-0125-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-15       | 076SB-0126-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-16       | 076SB-0127-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-17       | 076SB-0128-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-18       | 076SB-0129-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-19       | 076SB-0130-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-20       | 076SB-0131-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-21       | 076SB-0132-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Batch Number: 70771 Batch Start Date: 12/31/12 13:31 Batch Analyst: Nicholas, CourtneyBatch Method: 3060A Batch End Date: 01/02/13 09:30

| Lab Sample ID  | Client Sample ID   | Method Chain | Basis | InitialAmount | FinalAmount | WCCHROME50PM2<br>00010 | WCCHROME50PPM<br>00009 | WCPBCHROMATE<br>00004 |  |
|----------------|--------------------|--------------|-------|---------------|-------------|------------------------|------------------------|-----------------------|--|
| 240-18735-B-22 | 076SB-0133-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-23 | 076SB-0134-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-24 | 076SB-0135-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |
| 240-18735-B-25 | 076SB-0136-0001-SO | 3060A, 7196A | T     | 2.5 g         | 100 mL      |                        |                        |                       |  |

| Batch Notes                            |                                |
|----------------------------------------|--------------------------------|
| Alkaline Digestion Solution Reagent ID | 811011                         |
| Batch Comment                          | Sand: 398740 Filters: FC004944 |
| First End time                         | 8:25                           |
| Potassium Phosphate Buffer Reagent ID  | 811027                         |
| Lead Chromate Lot #                    | 358971                         |
| Magnesium Chloride Lot Number          | 575381                         |
| Pipette ID                             | 377822                         |
| First Start time                       | 7:25                           |
| Ending Temperature                     | 95 Celsius                     |
| Starting Temperature                   | 95 Celsius                     |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Batch Number: 70884 Batch Start Date: 01/02/13 12:45 Batch Analyst: Grossman, LucasBatch Method: 7196A Batch End Date: 01/02/13 13:55

| Lab Sample ID          | Client Sample ID   | Method Chain | Basis | CalcMsg                 |  |  |  |  |  |
|------------------------|--------------------|--------------|-------|-------------------------|--|--|--|--|--|
| ICV<br>240-70771/7-A   |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| ICB<br>240-70771/8-A   |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| MB<br>240-70771/9-A    |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| LCSS<br>240-70771/10-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| LCSI<br>240-70771/11-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| CCV<br>240-70771/12-A  |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| CCB<br>240-70771/13-A  |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-8-A        | 076SB-0119-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-9-A        | 076SB-0120-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| CCV<br>240-70771/12-A  |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| CCB<br>240-70771/13-A  |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-10-A       | 076SB-0121-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-11-A       | 076SB-0122-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| CCV<br>240-70771/12-A  |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| CCB<br>240-70771/13-A  |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-12-A       | 076SB-0123-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-13-A       | 076SB-0124-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| CCV<br>240-70771/12-A  |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| CCB<br>240-70771/13-A  |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-C-14-A DU    | 076SB-0125-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-C-14-B       | 076SB-0125-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7196A

Page 1 of 3

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Batch Number: 70884 Batch Start Date: 01/02/13 12:45 Batch Analyst: Grossman, LucasBatch Method: 7196A Batch End Date: 01/02/13 13:55

| Lab Sample ID         | Client Sample ID   | Method Chain | Basis | CalcMsg                 |  |  |  |  |  |
|-----------------------|--------------------|--------------|-------|-------------------------|--|--|--|--|--|
| CCV<br>240-70771/12-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| CCB<br>240-70771/13-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-15-A      | 076SB-0126-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-16-A      | 076SB-0127-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| CCV<br>240-70771/12-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| CCB<br>240-70771/13-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-17-A      | 076SB-0128-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-18-A      | 076SB-0129-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| CCV<br>240-70771/12-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| CCB<br>240-70771/13-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-19-A      | 076SB-0130-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-20-A      | 076SB-0131-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| CCV<br>240-70771/12-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| CCB<br>240-70771/13-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-21-A      | 076SB-0132-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-22-A      | 076SB-0133-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| CCV<br>240-70771/12-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| CCB<br>240-70771/13-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-23-A      | 076SB-0134-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-24-A      | 076SB-0135-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| CCV<br>240-70771/12-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Batch Number: 70884 Batch Start Date: 01/02/13 12:45 Batch Analyst: Grossman, LucasBatch Method: 7196A Batch End Date: 01/02/13 13:55

| Lab Sample ID         | Client Sample ID   | Method Chain | Basis | CalcMsg                 |  |  |  |  |  |
|-----------------------|--------------------|--------------|-------|-------------------------|--|--|--|--|--|
| CCB<br>240-70771/13-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| 240-18735-B-25-A      | 076SB-0136-0001-SO | 7196A        | T     | Color Resp. is<br>Blank |  |  |  |  |  |
| CCV<br>240-70771/12-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |
| CCB<br>240-70771/13-A |                    | 7196A        |       | Color Resp. is<br>Blank |  |  |  |  |  |

| Batch Notes                        |                 |
|------------------------------------|-----------------|
| Batch Comment                      | Filters: 781315 |
| Spectrophotometer Cell Path Length | 1 cm            |
| Color Reagent ID Number            | 801715          |
| Sulfuric Acid Reagent ID Number    | 759713          |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7196A

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## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Batch Number: 68573 Batch Start Date: 12/13/12 12:13 Batch Analyst: Harshman, TomBatch Method: Moisture Batch End Date: 12/14/12 10:35

| Lab Sample ID        | Client Sample ID        | Method Chain | Basis | DishWeight | SampleMassWet | SampleMassDry |  |  |  |
|----------------------|-------------------------|--------------|-------|------------|---------------|---------------|--|--|--|
| 240-18735-J-1<br>DU  | 070SB-0042M-0001<br>-SO | Moisture     | T     | 4.3988 g   | 12.7211 g     | 11.6429 g     |  |  |  |
| 240-18735-K-1        | 070SB-0042M-0001<br>-SO | Moisture     | T     | 4.3988 g   | 13.7777 g     | 12.3650 g     |  |  |  |
| 240-18735-A-9        | 076SB-0120-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 15.6495 g     | 14.2425 g     |  |  |  |
| 240-18735-A-10       | 076SB-0121-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 16.6661 g     | 15.3085 g     |  |  |  |
| 240-18735-A-11       | 076SB-0122-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 16.9639 g     | 15.0720 g     |  |  |  |
| 240-18735-A-12       | 076SB-0123-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 17.5878 g     | 15.8101 g     |  |  |  |
| 240-18735-A-13       | 076SB-0124-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 18.6138 g     | 16.6990 g     |  |  |  |
| 240-18735-A-15       | 076SB-0126-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 14.1397 g     | 13.1968 g     |  |  |  |
| 240-18735-A-16       | 076SB-0127-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 13.5423 g     | 12.6166 g     |  |  |  |
| 240-18735-A-14<br>DU | 076SB-0125-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 18.1588 g     | 17.1309 g     |  |  |  |
| 240-18735-B-14       | 076SB-0125-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 13.1158 g     | 12.3597 g     |  |  |  |
| 240-18735-A-17       | 076SB-0128-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 13.9930 g     | 13.0815 g     |  |  |  |
| 240-18735-A-18       | 076SB-0129-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 16.9440 g     | 15.6743 g     |  |  |  |
| 240-18735-A-19       | 076SB-0130-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 15.0256 g     | 14.1111 g     |  |  |  |
| 240-18735-A-20       | 076SB-0131-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 15.0922 g     | 14.1880 g     |  |  |  |
| 240-18735-A-21       | 076SB-0132-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 15.2933 g     | 13.2235 g     |  |  |  |
| 240-18735-A-22       | 076SB-0133-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 17.3943 g     | 14.9565 g     |  |  |  |
| 240-18735-A-23       | 076SB-0134-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 16.7781 g     | 15.3379 g     |  |  |  |
| 240-18735-A-24       | 076SB-0135-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 17.6745 g     | 15.9239 g     |  |  |  |
| 240-18735-A-25<br>DU | 076SB-0136-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 9.3878 g      | 8.7237 g      |  |  |  |
| 240-18735-A-25       | 076SB-0136-0001-<br>SO  | Moisture     | T     | 4.3988 g   | 10.1801 g     | 9.4010 g      |  |  |  |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

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## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18735-1

SDG No.: \_\_\_\_\_

Batch Number: 68573 Batch Start Date: 12/13/12 12:13 Batch Analyst: Harshman, TomBatch Method: Moisture Batch End Date: 12/14/12 10:35

| Lab Sample ID | Client Sample ID   | Method Chain | Basis | DishWeight | SampleMassWet | SampleMassDry |  |  |  |
|---------------|--------------------|--------------|-------|------------|---------------|---------------|--|--|--|
| 240-18735-A-8 | 076SB-0119-0001-SO | Moisture     | T     | 4.3988 g   | 15.4197 g     | 14.0447 g     |  |  |  |

| Batch Notes                              |                    |
|------------------------------------------|--------------------|
| Balance ID                               | B047 No Unit       |
| Date samples were placed in the oven     | 12/13/12           |
| Oven Temp when samples are put in oven   | 103.5 Degrees C    |
| Time samples were place in the oven      | 15:30              |
| Date samples were removed from oven      | 12/14/12           |
| Oven Temp when samples removed from oven | 103.9 Degrees C    |
| Time Samples were removed from oven      | 05:10              |
| Oven ID                                  | 002                |
| ID number of the thermometer             | Tempguard Box C #6 |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

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# Shipping and Receiving Documents

## Chain of Custody Record

**TestAmerica Laboratory location:**  
**Regulatory program:**

[illegible]



Chain of Custody Record

TestAmerica Laboratory location: ☐ DW ☐ NPDES ☐ RCRA ☐ Other ☐

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other ☐

| Client Contact        |                     | Client Project Manager: |            | Site Contact:              |                       | Lab Contact:    |          | COC No:          |  |
|-----------------------|---------------------|-------------------------|------------|----------------------------|-----------------------|-----------------|----------|------------------|--|
| Company Name:         | ECC                 | AL BARTON               | J. SANCHEZ | MARK LOBO                  |                       |                 |          | 049454           |  |
| Address:              | 33 Boston Post Road |                         |            |                            |                       |                 |          | 3 of 3 COCs      |  |
| City/State/Zip:       | MALDEN MA           |                         |            |                            |                       |                 |          |                  |  |
| Phone:                |                     |                         |            |                            |                       |                 |          |                  |  |
| Project Name:         |                     |                         |            |                            |                       |                 |          |                  |  |
| Project Number:       |                     |                         |            |                            |                       |                 |          |                  |  |
| P O #                 |                     |                         |            |                            |                       |                 |          |                  |  |
| Sample Identification | Sample Date         | Sample Time             | Matrix     | Containers & Preservatives | Filtered Sample (Y/N) | Composite (Y/N) | Analyses | For lab use only |  |
| 07658-0128-0001-50    | 12-11-12            | 1520                    | X          |                            |                       |                 |          |                  |  |
| 07658-0129-0001-50    | ↓                   | 1450                    |            |                            |                       |                 |          |                  |  |
| 07658-0130-0001-50    | 12-12-12            | 1649                    |            |                            |                       |                 |          |                  |  |
| 07658-0131-0001-50    | ↓                   | 1124                    |            |                            |                       |                 |          |                  |  |
| 07658-0132-0001-50    | 12-11-12            | 1225                    |            |                            |                       |                 |          |                  |  |
| 07658-0133-0001-50    | ↓                   | 1225                    |            |                            |                       |                 |          |                  |  |
| 07658-0134-0001-50    | ↓                   | 1315                    |            |                            |                       |                 |          |                  |  |
| 07658-0135-0001-50    | ↓                   | 1340                    |            |                            |                       |                 |          |                  |  |
| 07658-0136-0001-50    | ↓                   | 1410                    |            |                            |                       |                 |          |                  |  |

Method of Shipment/Carrier: DEL. TO LAB

Shipping/Tracking No:

Analysis Turnaround Time (in BUS days): 3 weeks

TAT if different: 3 weeks

Containers & Preservatives: HEX. CHROM

Filtered Sample (Y/N): X

Composite (Y/N): X

Analyses: HEX. CHROM

For lab use only: HEX. CHROM

Sample Specific Notes / Special Instructions:

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Special Instructions/QC Requirements & Comments: DISCARD, DO NOT ANALYZE

Relinquished by: ECC Date/Time: 12-12-12 1707 Company: ECC

Relinquished by: AL Barton Date/Time: 12-12-12 1707 Company: ECC

Relinquished by: AL Barton Date/Time: 12-12-12 1707 Company: ECC

## TestAmerica Canton Sample Receipt Form/Narrative

Login #: 18735

Client EC Site Name \_\_\_\_\_ By: Chy  
Cooler Received on 12-12-12 Opened on 12-12-12 (Signature)  
FedEx: 1<sup>st</sup> Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other \_\_\_\_\_  
TestAmerica Cooler # \_\_\_\_\_ Foam Box Client Cooler Box Other \_\_\_\_\_  
Packing material used: Bubble Wrap Foam Plastic Bag None Other \_\_\_\_\_  
COOLANT: Wet Ice Blue Ice Dry Ice Water None

## 1. Cooler temperature upon receipt

IR GUN# 1 (CF -2 °C) Observed Sample Temp. \_\_\_\_\_ °C Corrected Sample Temp. \_\_\_\_\_ °C  
IR GUN# 4G (CF 0 °C) Observed Sample Temp. \_\_\_\_\_ °C Corrected Sample Temp. \_\_\_\_\_ °C  
IR GUN# 5G (CF 0 °C) Observed Sample Temp. \_\_\_\_\_ °C Corrected Sample Temp. \_\_\_\_\_ °C  
IR GUN# 8 (CF 0 °C) Observed Sample Temp. \_\_\_\_\_ °C Corrected Sample Temp. \_\_\_\_\_ °C

☐ Multiple on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity \_\_\_\_\_ Yes No  
-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA  
-Were custody seals on the bottle(s)? Yes No  
3. Shippers' packing slip attached to the cooler(s)? CSL 12/12/12 Yes No  
4. Did custody papers accompany the sample(s)? Yes No  
5. Were the custody papers relinquished & signed in the appropriate place? Yes No  
6. Did all bottles arrive in good condition (Unbroken)? Yes No  
7. Could all bottle labels be reconciled with the COC? Yes No  
8. Were correct bottle(s) used for the test(s) indicated? Yes No  
9. Sufficient quantity received to perform indicated analyses? Yes No  
10. Were sample(s) at the correct pH upon receipt? Yes No NA  
11. Were VOAs on the COC? Yes No  
12. Were air bubbles >6 mm in any VOA vials? Yes No NA  
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM MJL Date 12/12/12 by CSL via Verbal Voice Mail Other  
Concerning \_\_\_\_\_

## 14. CHAIN OF CUSTODY &amp; SAMPLE DISCREPANCIES

58-0001 - FOW rec'd soil and water, but did not get 59-0001 - FOW will log 58 water in place of 59. Will log per COC.

## 15. SAMPLE CONDITION

Sample(s) \_\_\_\_\_ were received after the recommended holding time had expired.  
Sample(s) \_\_\_\_\_ were received in a broken container.  
Sample(s) \_\_\_\_\_ were received with bubble >6 mm in diameter. (Notify PM)

Sample(s)

Client ID

pH

Date \_\_\_\_\_

Initials

56

27

17/12/12

50

57

22

15/16/17

156

Cooler #

Observed Sample Temp. °C

Corrected Sample Temp. °C

IR #

### Coolant

TA No. 11

4.2

4.2

117

110

Client

3.8

13.8

9.6.6

*[Handwritten signature]*

4

4.6

4.10

---

---

4.0

40

1

