

FPM Group, Ltd.  
FPM Engineering Group, P.C.  
*formerly Fanning, Phillips and Molnar*

CORPORATE HEADQUARTERS  
909 Marconi Avenue  
Ronkonkoma, NY 11779  
631/737-6200  
Fax 631/737-2410

**VIA MAIL AND EMAIL**

October 15, 2012

Ms. Geralynn Rosser  
Suffolk County Department of Health Services  
15 Horseblock Place  
Farmingville, NY 11738

Re: **September 2012 Groundwater Monitoring Results**  
**1735 Express Drive North, Hauppauge, New York**  
**FPM File No. 894-06-01**

Dear Geralynn:

FPM Group (FPM) has prepared this report to document groundwater sampling performed at the above-referenced property in September 2012 in accordance with your recommendations. The monitoring well locations and property features are shown on the attached site plan.

**Groundwater Sampling Procedures**

Sampling was conducted at well MW-1 (former source area) and multi-level well MW-2 (downgradient well) on September 17, 2012. Prior to sampling, the depth to water was measured to the nearest 0.01 foot from the top of each PVC well casing and recorded. The wells were purged of at least three casing volumes of water using a decontaminated low-flow submersible pump at well MW-1 and disposable polyethylene tubing connected to a check valve at well MW-2. Following the removal of each casing volume, the parameters turbidity, pH, conductivity, and temperature were measured to determine if equilibrium had been reached. In general, all parameters (except for turbidity in the MW-2 wells) stabilized following the removal of three casing volumes of water. Well purging and sampling data were recorded on well sampling forms, which are included in Attachment A.

Following purging, a groundwater sample was obtained from each well using a disposable polyethylene bailer and transferred to laboratory-supplied sample bottles. The sample bottles were labeled and maintained in a cooler with ice to depress the sample temperature until delivery to the laboratory. A chain of custody form was completed and kept with the cooler to document the sequence of sample possession. The samples were transmitted to a New York State Department of Health-certified laboratory and analyzed for VOCs using USEPA Method 8260B. The resulting laboratory analytical reports are included in Attachment B.

## Groundwater Sampling Results

The summarized data are shown in Tables 1 and 2, together with the previous data for comparison. The groundwater analytical results were compared to the New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standards (Standards).

At well MW-1, only one VOC (cis-1,2-dichloroethylene, or cis-1,2-DCE) was detected above the NYSDEC Standards. The detected concentration of cis-1,2-DCE (13 micrograms per liter, or ug/l) was only slightly above the NYSDEC Standard of 5 ug/l. Other VOCs that previously exceeded the NYSDEC Standards in this well either no longer exceed the Standards or are not detected. The total VOC concentration in well MW-1 declined from 304 ug/l in March 2012 to 18 ug/l in September 2012. Historic total VOC concentrations in well MW-1 are displayed graphically on the attached Figure 2 and demonstrate a general declining trend from a high of 1,100 ug/l in January 2008 to 18 ug/l in September 2012. These data indicate that the source material previously present at the former location of leaching pool LP-4 was adequately removed during the 2006 and 2007 remediation and abandonment of this structure and no longer contributes to groundwater contamination.

The primary VOCs detected at concentrations above the NYSDEC Standards in multi-level well MW-2 in September 2012 continue to be 1,1,1-trichloroethane (1,1,1-TCA), cis-1,2-DCE, tetrachloroethene (PCE), and trichloroethene (TCE). At shallow well MW-2S, total VOC concentrations decreased slightly from 1,210 ug/l in March 2012 to 1,182 ug/l in September 2012. At intermediate well MW-2I, total VOCs decreased during the same period from 1,092 ug/l to 281 ug/l. At deep well MW-2D, total VOCs slightly increased during the same period from 76 ug/l to 114 ug/l. Historic total VOC concentrations in well MW-2 are displayed graphically on the attached Figure 3. The maximum total VOC concentration detected in well MW-2S was 4,344 ug/l in May 2011. Although concentrations have been variable since that time, the recent detection of 1,182 ug/l indicates a significant decline from the peak concentration detected in May 2011. The maximum total VOC concentration detected in well MW-2I was 5,366 ug/l in January 2011; since that time total VOC concentrations in well MW-2I have generally continued to decline and the most recent concentration of 281 ug/l is a historic low for this well. The maximum total VOC concentration detected in well MW-2D was 515 ug/l in May 2011; although concentrations have been variable since that time, the recent detection of 114 ug/l indicates a significant decline from the peak concentration in May 2011.

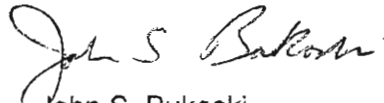
## Conclusions

Since the former source (leaching pool LP-4) has been remediated and abandoned, VOC levels in well MW-1 near the source area have shown a general declining trend over time from a high of 1,100 ug/l in 2008 to 18 ug/l in September 2012. Only one VOC remains at a concentration slightly above the NYSDEC Standard in well MW-1; other VOCs are either no longer detected or are below the NYSDEC Standards. These data indicate that the source area has been sufficiently remediated. The remaining low-level VOC is anticipated to continue gradually declining.

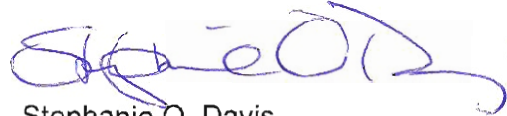
At downgradient multi-level well MW-2, maximum total VOC concentrations were detected between January and May 2011 and range from 515 ug/l in the deep well to 5,366 ug/l in the intermediate well. Total VOC concentrations in these wells have shown a declining trend since early to mid-2011, with recent concentrations of 1,182 ug/l in the shallow well and 114 ug/l in the deep well. Based on the continued downward trend of VOC concentrations in upgradient well MW-1, VOC concentrations at downgradient multi-level well MW-2 are anticipated to continue to decline. FPM recommends continued groundwater monitoring at wells MW-1 and MW-2 to further confirm the declining trend.

If you have any questions, please contact us at 737-6200.

Sincerely,



John S. Bukoski  
Hydrogeologist

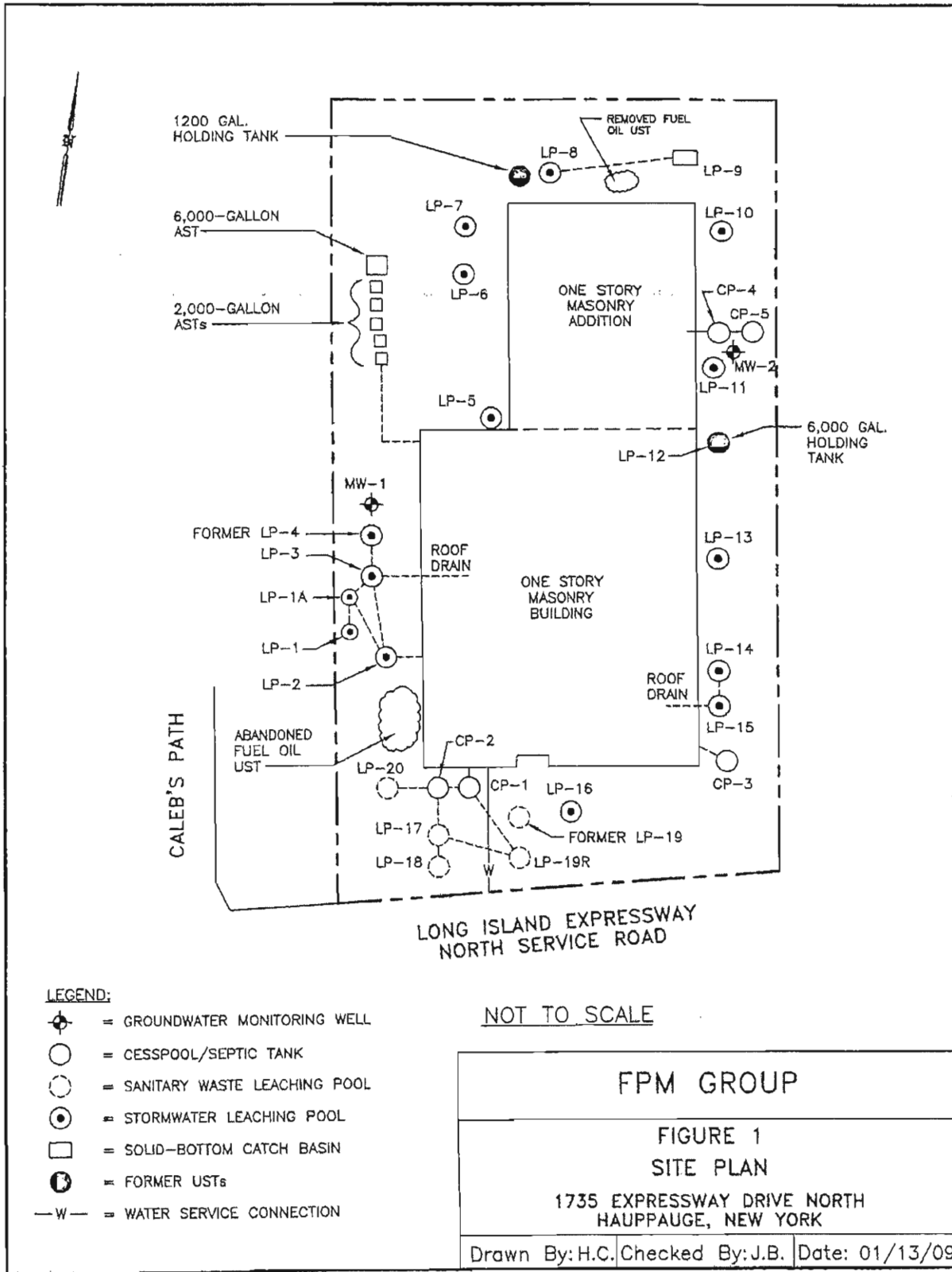


Stephanie O. Davis  
Senior Hydrogeologist  
Department Manager

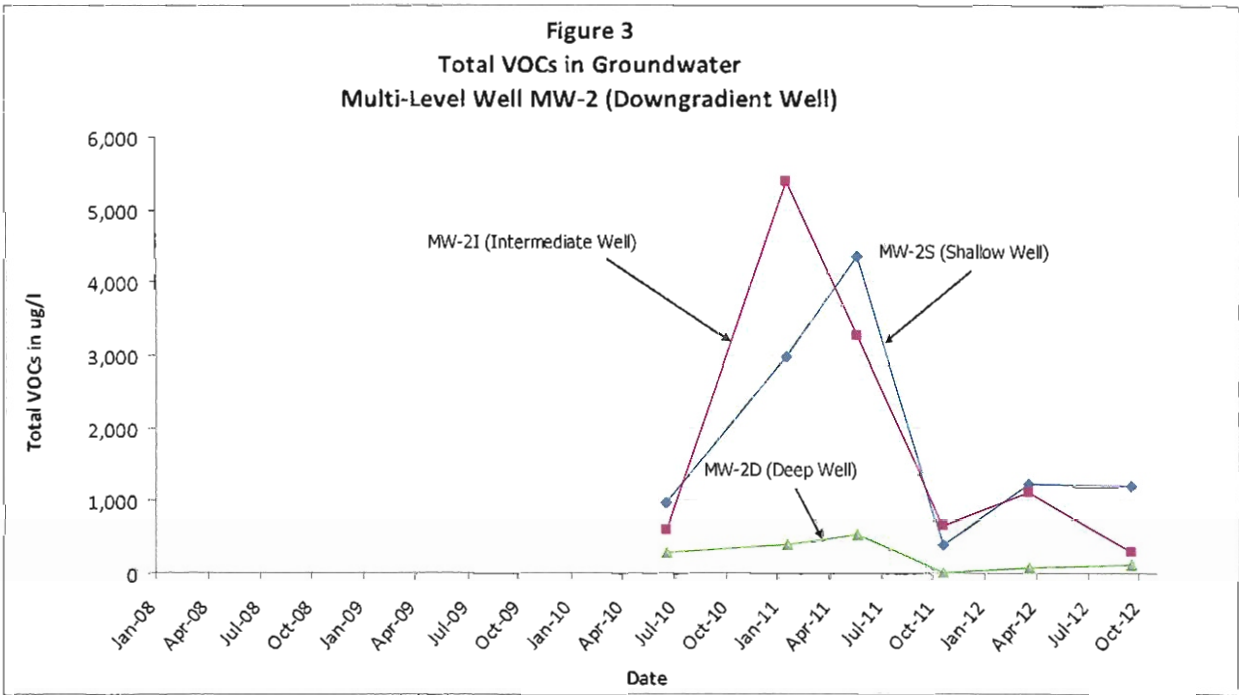
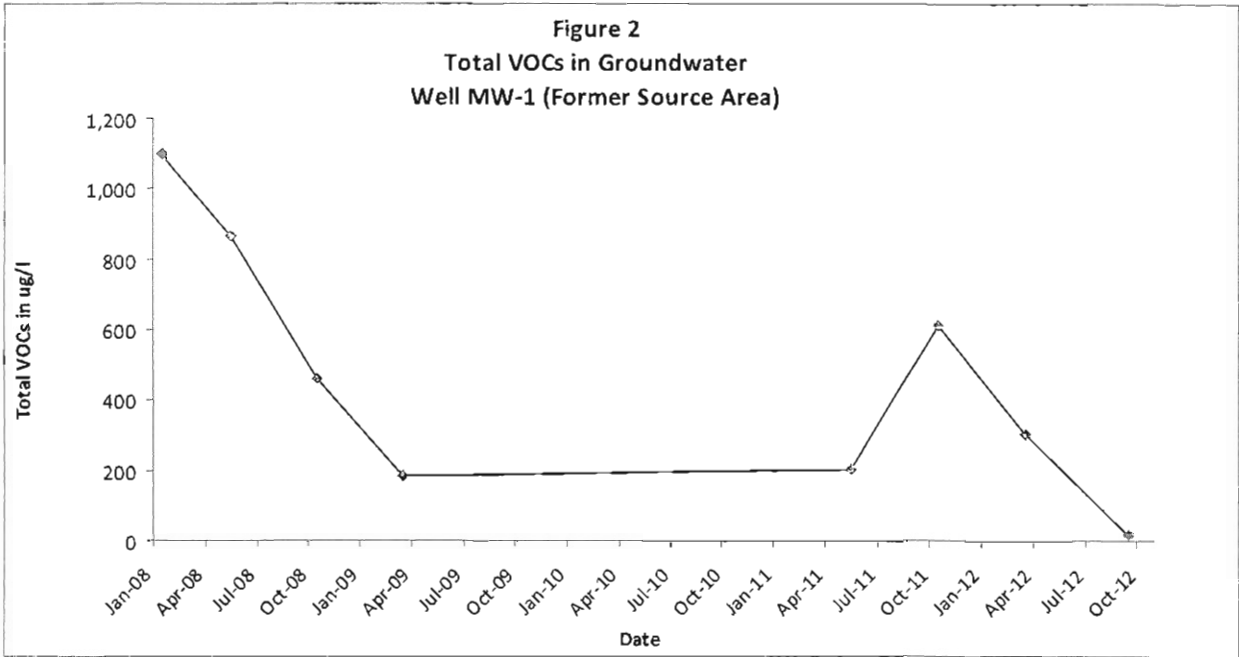
JSB/SOD:tac  
Attachments

cc: James Maggio

S:\Maggio\GW Monitoring\SCDHS\_Sep2012GW Results Ltr.Docx



H:\MAGGIO\SITE PLAN 08.dwg, 7/28/2010 9:52:28 AM, Letter



**TABLE 1**  
**WELL MW-1 GROUNDWATER MONITORING RESULTS**  
**1735 EXPRESS DRIVE NORTH, HAUPPAUGE, NEW YORK**

| Sample Location                           | MW-1        |         |        |         |         |         |          |         |         |  | NYSDEC Class GA Ambient Water Quality Standards |
|---|-------------|---------|--------|---------|---------|---------|----------|---------|---------|--|---|
|   | Sample Date | 1/17/08 | 5/9/08 | 10/8/08 | 3/19/09 | 5/25/11 | 10/21/11 | 3/23/12 | 9/17/12 |  |   |
| <i>Volatile Organic Compounds in µg/l</i> |             |         |        |         |         |         |          |         |         |  |   |
| 1,1,1-Trichloroethane                     | ND          | 170     | 200    | 29      | 27      | 96      | 80       | 2.3 J   | 5       |  |   |
| 1,2,4-Trimethylbenzene                    | ND          | 17      | ND     | ND      | ND      | ND      | ND       | ND      | 5       |  |   |
| 1,3,5-Trimethylbenzene                    | ND          | ND      | ND     | ND      | 0.42 J  | ND      | ND       | ND      | 5       |  |   |
| 1,1-Dichloroethane                        | ND          | ND      | 16     | ND      | 3.8 J   | 15      | 4.4 J    | ND      | 5       |  |   |
| 1,1-Dichloroethylene                      | ND          | ND      | ND     | ND      | 1.7 J   | 4.6 J   | 5.6      | ND      | 5       |  |   |
| cis-1,2-Dichloroethylene                  | ND          | 230     | ND     | 110     | 120     | 370     | 120      | 13      | 5       |  |   |
| trans-1,2-Dichloroethylene                | ND          | ND      | 6      | ND      | 2.4 J   | 8.0     | 3.6 J    | ND      | 5       |  |   |
| Ethylbenzene                              | ND          | 22      | ND     | ND      | 1.0 J   | ND      | ND       | ND      | 5       |  |   |
| Methylene chloride                        | ND          | ND      | ND     | ND      | ND      | 5.8 JB  | 7.4 JB   | ND      | 5       |  |   |
| Xylene (total)                            | ND          | 81      | 20     | ND      | 5.0 J   | ND      | ND       | ND      | 5       |  |   |
| Tetrachloroethene                         | 1,100       | 130     | 150    | 37      | 26      | 66      | 68       | 1.9 J   | 5       |  |   |
| Toluene                                   | ND          | 7       | ND     | ND      | 0.55 J  | ND      | ND       | ND      | 5       |  |   |
| Trichloroethylene                         | ND          | 210     | 68     | 10      | 15      | 47      | 22       | 1.1 J   | 5       |  |   |
| Total VOCs (rounded)*                     | 1,100       | 867     | 460    | 186     | 203     | 612     | 304      | 18      | -       |  |   |

**Notes:**

ND = Not Detected

NYSDEC = New York State Department of Environmental Conservation

**Bold** and shaded values exceed NYSDEC Class GA Ambient Water Quality Standards

µg/l = micrograms per liter

\* = Excludes suspected lab contamination.

TABLE 2  
 MULTI-LEVEL WELL MW-2 GROUNDWATER MONITORING RESULTS  
 1735 EXPRESS DRIVE NORTH, HAUPPAUGE, NEW YORK

| Sample Location<br>Depth (feet below grade) | MW-2S   |        |         |          |         | MW-2I   |         |        |         |          | MW-2D   |         |         |        |         | NYSDEC Class GA<br>Ambient Water<br>Quality Standards |          |         |         |
|---|---------|--------|---------|----------|---------|---------|---------|--------|---------|----------|---------|---------|---------|--------|---------|---|----------|---------|---------|
|   | 85-87   |        |         |          |         | 95-97   |         |        |         |          | 10S-107 |         |         |        |         |   |          |         |         |
|   | 6/17/10 | 1/5/11 | 5/25/11 | 10/21/11 | 3/23/12 | 9/17/12 | 6/17/10 | 1/5/11 | 5/25/11 | 10/21/11 | 3/23/12 | 9/17/12 | 6/17/10 | 1/5/11 | 5/25/11 |   | 10/21/11 | 3/23/12 | 9/17/12 |
| <i>Volatiles Organic Compounds in µg/l</i>  |         |        |         |          |         |         |         |        |         |          |         |         |         |        |         |   |          |         |         |
| Acetone                                     | ND      | ND     | ND      | ND       | 3.5 JB  | ND      | ND      | ND     | ND      | 3.5 JB   | ND      | ND      | ND      | ND     | ND      | ND  | 3.2 JB   | ND      | 5       |
| 1,1,1,2-Tetrachloroethane                   | ND      | ND     | 1.0 J   | ND       | ND      | ND      | ND      | 0.80 J | ND      | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| 1,1,1-Trichloroethane                       | 72      | 100    | 220 J   | 23       | 65      | 22 J    | 51      | 150 J  | 31      | 43       | 4.3 J   | 19      | 8.8     | 27     | ND      | ND  | ND       | 2.6 J   | 5       |
| 1,1,2,2-Tetrachloroethane                   | ND      | ND     | 0.81 J  | ND       | ND      | ND      | ND      | 0.76 J | ND      | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| 1,1,2-Trichloroethane                       | ND      | ND     | 3.2 J   | ND       | 2.0 J   | ND      | ND      | ND     | ND      | 0.82 J   | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| 1,1-Dichloroethane                          | 7.5     | ND     | 17      | 1.7 J    | 6.2     | ND      | 5.3     | ND     | 17      | 4.6 J    | ND      | 1.9 J   | ND      | 1.2 J  | ND      | ND  | ND       | ND      | 5       |
| 1,1-Dichloroethylene                        | ND      | ND     | 5.4     | ND       | ND      | ND      | ND      | 5.3    | ND      | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| 1,2-Dichlorobenzene                         | ND      | ND     | 1.0 J   | ND       | ND      | ND      | ND      | 1.6 J  | ND      | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| 1,2-Dichloroethane                          | ND      | ND     | 1.3 J   | ND       | 0.83 J  | ND      | ND      | 1.2 J  | ND      | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| 1,3-Dichlorobenzene                         | ND      | ND     | 0.48 J  | ND       | ND      | ND      | ND      | ND     | ND      | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| 1,4-Dichlorobenzene                         | ND      | ND     | 0.96 J  | ND       | 0.71 J  | ND      | ND      | 0.85 J | ND      | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| Carbon tetrachloride                        | ND      | ND     | 2.2 J   | ND       | ND      | ND      | ND      | 2.2 J  | ND      | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| Chloroform                                  | 2.5 J   | ND     | 5.8     | ND       | 2.3 J   | ND      | 1.9 J   | 5.6    | ND      | 1.5 J    | ND      | 1.3 J   | ND      | 0.43 J | ND      | ND  | ND       | ND      | 5       |
| cis-1,2-Dichloroethylene                    | 190     | 140    | 470     | 70       | 220     | 170     | 140     | 500    | 370     | 210      | 60      | 48      | 24      | 25     | ND      | ND  | 6.7      | 16      | 5       |
| Ethylbenzene                                | ND      | ND     | ND      | ND       | ND      | ND      | ND      | 28 J   | ND      | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| Methylene chloride                          | 5.0 JB  | 3.8 JB | ND      | 6.6 JB   | 7.2 JB  | ND      | 4.6 JB  | 4.6 JB | ND      | 8.0 JB   | ND      | 4.4 JB  | 1.9 JB  | ND     | 1.5 JB  | ND  | 7.7 JB   | ND      | 5       |
| Naphthalene                                 | ND      | ND     | 0.54 JB | ND       | ND      | ND      | ND      | ND     | ND      | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| o-xylene                                    | ND      | 20 J   | 1.4 J   | ND       | ND      | ND      | ND      | 69 J   | 5.3     | ND       | ND      | ND      | ND      | 0.97 J | ND      | ND  | ND       | ND      | 5       |
| p&m-xylenes                                 | ND      | 28 J   | 0.65 J  | ND       | ND      | ND      | ND      | 120 J  | ND      | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| Tetrachloroethene                           | 300     | 1,900  | 2,300   | 180      | 660     | 700     | 170     | 2,800  | 1,700   | 600      | 140     | 89      | 220     | 330    | 1.1 J   | 45  | 60       | 60      | 5       |
| Toluene                                     | ND      | 46 J   | 0.45 J  | ND       | ND      | ND      | ND      | 89 J   | 0.35 J  | ND       | ND      | ND      | ND      | ND     | ND      | ND  | ND       | ND      | 5       |
| trans-1,2-Dichloroethylene                  | 1.9 J   | ND     | 12      | 1.0 J    | 2.8 J   | ND      | 1.4 J   | 12     | 1.5 J   | 1.9 J    | ND      | 2.6 J   | ND      | 0.84 J | ND      | ND  | ND       | ND      | 5       |
| Trichloroethylene                           | 380     | 750    | 1,300   | 100      | 250     | 290     | 220     | 1,600  | 990     | 230      | 77      | 110     | 120     | 130    | ND      | 24  | 35       | 35      | 5       |
| Total VOCs (rounded)*                       | 954     | 2,984  | 4,344   | 373      | 1,210   | 1,182   | 590     | 5,366  | 3,263   | 1,092    | 281     | 272     | 373     | 515    | 1       | 76  | 114      | 114     | -       |

**Notes:**

- ND = Not Detected
- NYSDEC = New York State Department of Environmental Conservation
- Bold and shaded values** exceed NYSDEC Class GA Ambient Water Quality Standards
- µg/l = micrograms per liter
- \* = Excludes suspected lab contamination.



**ATTACHMENT A**  
**WELL SAMPLING FORMS**



## WELL SAMPLING DATA FORM

Project: MaggioLocation: 1735 Congress DriveWell No.: 1116 1 Well Diameter: 2 5/8" 25.8Date: 9/17/12 Start Time: \_\_\_\_\_Weather: Overcast 70° Finish Time: \_\_\_\_\_Sampled By: JPDepth to Bottom of Well: 108 Feet.Depth to Water: 82.01 Feet.Height of Water Column: 26 26 Feet.Water Volume in Casing: 4.16 Gallons.Water Volume to be Purged: 12.5 Gallons.Water Volume Actually Purged: 13 Gallons.Purge Method: Low flow sub. pump

Physical Appearance/Comments: \_\_\_\_\_

## FIELD MEASUREMENTS:

| Time | Gallons | pH   | Cond. (uS) | Temp. (°F) | Turbidity (NTU) |
|------|---------|------|------------|------------|-----------------|
|      | 5       | 6.59 | 185        | 59.5       | 49              |
|      | 9       | 6.31 | 168        | 56.1       | 37              |
|      | 13      | 6.20 | 165        | 56.1       | 17              |
|      |         |      |            |            |                 |

Sampling and Analytical Methods: Dedicated bailer / 8000 VCSLaboratory Name and Location: York Labs - CT

## WELL SAMPLING DATA FORM

Project: MassioLocation: 1735 Express Dr NWell No.: MW-25 Well Diameter: 1 inchDate: 9/17/12 Start Time: \_\_\_\_\_Weather: Overcast 10° Finish Time: \_\_\_\_\_Sampled By: JRDepth to Bottom of Well: 57 Feet.Depth to Water: 51.90 Feet.Height of Water Column: 5.1 Feet.Water Volume in Casing: 0.204 Gallons.Water Volume to be Purged: 0.6 Gallons.Water Volume Actually Purged: 0.6 Gallons.Purge Method: Poly tubing w/ check valve

Physical Appearance/Comments: \_\_\_\_\_

## FIELD MEASUREMENTS:

| Time | Gallons | pH   | Cond. (uS) | Temp. (°F) | Turbidity (NTU) |
|------|---------|------|------------|------------|-----------------|
|      | 0.2     | 6.91 | 184        | 59.2       | 190             |
|      | 0.4     | 6.59 | 173        | 57.1       | 275             |
|      | 0.6     | 6.45 | 170        | 56.5       | 210             |
|      |         |      |            |            |                 |

Sampling and Analytical Methods: D.p trailer / X-200 VOCsLaboratory Name and Location: York Labs - CT

**WELL SAMPLING DATA FORM**

Project: Maggie

Location: 1735 Express Dr

Well No.: 1116 - 2 I Well Diameter: 1 inch

Date: 1/17/12 Start Time: \_\_\_\_\_

Weather: Overcast 70°F Finish Time: \_\_\_\_\_

Sampled By: TOB

Depth to Bottom of Well: 97 Feet.

Depth to Water: 81.87 Feet.

Height of Water Column: 15.13 Feet.

Water Volume in Casing: 6.6 Gallons.

Water Volume to be Purged: 2.4 Gallons.

Water Volume Actually Purged: 2.5 Gallons.

Purge Method: Disp. Poly tubing w/ check valve

Physical Appearance/Comments: \_\_\_\_\_

**FIELD MEASUREMENTS:**

| Time | Gallons | pH   | Cond. (uS) | Temp. (°F) | Turbidity (NTU) |
|------|---------|------|------------|------------|-----------------|
|      | 1.0     | 7.01 | 193        | 57.9       | 175             |
|      | 1.75    | 6.19 | 169        | 56.1       | 348             |
|      | 2.5     | 6.60 | 160        | 56.0       | 340             |
|      |         |      |            |            |                 |

Sampling and Analytical Methods: Disp. Baker / 8.2.6.0 6005

Laboratory Name and Location: York Labs - CT



## WELL SAMPLING DATA FORM

Project: MaggieLocation: 1735 Express Dr NWell No.: MW-2D Well Diameter: 1 inchDate: 9/17/12 Start Time: \_\_\_\_\_Weather: Clear 70°F Finish Time: \_\_\_\_\_Sampled By: JTBDepth to Bottom of Well: 107 Feet.Depth to Water: 81.75 Feet.Height of Water Column: 25.05 Feet.Water Volume in Casing: 1.0 Gallons.Water Volume to be Purged: 3.0 Gallons.Water Volume Actually Purged: 3.0 Gallons.Purge Method: Disp. tubing w/ check valve

Physical Appearance/Comments: \_\_\_\_\_

## FIELD MEASUREMENTS:

| Time | Gallons | pH   | Cond. (uS) | Temp. (°F) | Turbidity (NTU) |
|------|---------|------|------------|------------|-----------------|
|      | 1.0     | 6.98 | 198        | 59.9       | 210             |
|      | 2.0     | 6.39 | 176        | 58.1       | 405             |
|      | 3.0     | 6.39 | 177        | 56.7       | 268             |
|      |         |      |            |            |                 |

Sampling and Analytical Methods: Disp. Bailler / 8.260 ValsLaboratory Name and Location: York Labs - CT

**ATTACHMENT B**  
**LABORATORY REPORT**

# YORK

ANALYTICAL LABORATORIES, INC.

## Technical Report

prepared for:

**FPM Group**  
909 Marconi Avenue  
Ronkonkoma NY, 11779  
**Attention: John Bukoski**

Report Date: 09/25/2012  
**Client Project ID: Maggio 894-06-01**  
York Project (SDG) No.: 12I0587

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

120 RESEARCH DRIVE

STRATFORD, CT 06615

(203) 325-1371

FAX (203) 357-0166

Report Date: 09/25/2012  
Client Project ID: Maggio 894-06-01  
York Project (SDG) No.: 12I0587

**FPM Group**  
909 Marconi Avenue  
Ronkonkoma NY, 11779  
Attention: John Bukoski

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 18, 2012 and listed below. The project was identified as your project: **Maggio 894-06-01**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

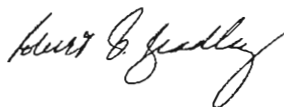
Please contact Client Services at 203.325.1371 with any questions regarding this report.

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 12I0587-01            | MW-1                    | Water         | 09/17/2012            | 09/18/2012           |
| 12I0587-02            | MW-2S                   | Water         | 09/17/2012            | 09/18/2012           |
| 12I0587-03            | MW-2I                   | Water         | 09/17/2012            | 09/18/2012           |
| 12I0587-04            | MW-2D                   | Water         | 09/17/2012            | 09/18/2012           |

## General Notes for York Project (SDG) No.: 12I0587

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Robert Q. Bradley  
Executive Vice President / Laboratory Director

Date: 09/25/2012

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.

## Sample Information

Client Sample ID: MW-1

York Sample ID: 1210587-01

York Project (SDG) No  
1210587

Client Project ID  
Maggio 894-06-01

Matrix  
Water

Collection Date/Time  
September 17, 2012 3:00 pm

Date Received  
09/18/2012

### Volatile Organics, 8260 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5030B

| CAS No.  | Parameter   | Result | Flag | Units | MDL  | RL  | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-------|------|-----|----------|------------------|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                         | ND     |      | ug/L  | 0.32 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 71-55-6  | 1,1,1-Trichloroethane                             | 2.3    | J    | ug/L  | 0.23 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                         | ND     |      | ug/L  | 0.59 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND     |      | ug/L  | 0.34 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 79-00-5  | 1,1,2-Trichloroethane                             | ND     |      | ug/L  | 1.3  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 75-34-3  | 1,1-Dichloroethane                                | ND     |      | ug/L  | 0.42 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 75-35-4  | 1,1-Dichloroethylene                              | ND     |      | ug/L  | 0.52 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 563-58-6 | 1,1-Dichloropropylene                             | ND     |      | ug/L  | 0.26 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 87-61-6  | 1,2,3-Trichlorobenzene                            | ND     |      | ug/L  | 0.99 | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 96-18-4  | 1,2,3-Trichloropropane                            | ND     |      | ug/L  | 0.73 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 120-82-1 | 1,2,4-Trichlorobenzene                            | ND     |      | ug/L  | 0.91 | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 95-63-6  | 1,2,4-Trimethylbenzene                            | ND     |      | ug/L  | 0.41 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                       | ND     |      | ug/L  | 0.98 | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 106-93-4 | 1,2-Dibromoethane                                 | ND     |      | ug/L  | 0.44 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 95-50-1  | 1,2-Dichlorobenzene                               | ND     |      | ug/L  | 0.40 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 107-06-2 | 1,2-Dichloroethane                                | ND     |      | ug/L  | 0.36 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 78-87-5  | 1,2-Dichloropropane                               | ND     |      | ug/L  | 0.23 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 108-67-8 | 1,3,5-Trimethylbenzene                            | ND     |      | ug/L  | 0.48 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 541-73-1 | 1,3-Dichlorobenzene                               | ND     |      | ug/L  | 0.47 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 142-28-9 | 1,3-Dichloropropane                               | ND     |      | ug/L  | 0.55 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 106-46-7 | 1,4-Dichlorobenzene                               | ND     |      | ug/L  | 0.62 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 123-91-1 | 1,4-Dioxane                                       | ND     |      | ug/L  | 11   | 50  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 594-20-7 | 2,2-Dichloropropane                               | ND     |      | ug/L  | 0.42 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 78-93-3  | 2-Butanone  | ND     |      | ug/L  | 1.5  | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 95-49-8  | 2-Chlorotoluene                                   | ND     |      | ug/L  | 0.43 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 106-43-4 | 4-Chlorotoluene                                   | ND     |      | ug/L  | 0.31 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 67-64-1  | Acetone   | ND     |      | ug/L  | 6.1  | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 71-43-2  | Benzene   | ND     |      | ug/L  | 0.30 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 108-86-1 | Bromobenzene                                      | ND     |      | ug/L  | 1.0  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 74-97-5  | Bromochloromethane                                | ND     |      | ug/L  | 0.54 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 75-27-4  | Bromodichloromethane                              | ND     |      | ug/L  | 0.41 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 75-25-2  | Bromoform   | ND     |      | ug/L  | 0.58 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 74-83-9  | Bromomethane                                      | ND     |      | ug/L  | 2.0  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |



# YORK

ANALYTICAL LABORATORIES, INC.

## Sample Information

**Client Sample ID:** MW-1

**York Sample ID:** 12I0587-01

**York Project (SDG) No.**  
12I0587

**Client Project ID**  
Maggio 894-06-01

**Matrix**  
Water

**Collection Date/Time**  
September 17, 2012 3:00 pm

**Date Received**  
09/18/2012

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8260B

| CAS No.      | Parameter                      | Result        | Flag | Units | MDL                     | RL  | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|--------------|--------------------------------|---------------|------|-------|-------------------------|-----|----------|------------------|--------------------|--------------------|---------|
| 56-23-5      | Carbon tetrachloride           | ND            |      | ug/L  | 0.56                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 108-90-7     | Chlorobenzene                  | ND            |      | ug/L  | 0.38                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 75-00-3      | Chloroethane                   | ND            |      | ug/L  | 2.8                     | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 67-66-3      | Chloroform                     | ND            |      | ug/L  | 0.42                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 74-87-3      | Chloromethane                  | ND            |      | ug/L  | 0.41                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 156-59-2     | cis-1,2-Dichloroethylene       | 13            |      | ug/L  | 0.43                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 10061-01-5   | cis-1,3-Dichloropropylene      | ND            |      | ug/L  | 0.41                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 124-48-1     | Dibromochloromethane           | ND            |      | ug/L  | 0.39                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 74-95-3      | Dibromomethane                 | ND            |      | ug/L  | 0.58                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 75-71-8      | Dichlorodifluoromethane        | ND            |      | ug/L  | 0.35                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 100-41-4     | Ethyl Benzene                  | ND            |      | ug/L  | 0.25                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 87-68-3      | Hexachlorobutadiene            | ND            |      | ug/L  | 0.68                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 98-82-8      | Isopropylbenzene               | ND            |      | ug/L  | 0.63                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 1634-04-4    | Methyl tert-butyl ether (MTBE) | ND            |      | ug/L  | 0.53                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 75-09-2      | Methylene chloride             | ND            |      | ug/L  | 2.4                     | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 91-20-3      | Naphthalene                    | ND            |      | ug/L  | 1.2                     | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 104-51-8     | n-Butylbenzene                 | ND            |      | ug/L  | 0.30                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 103-65-1     | n-Propylbenzene                | ND            |      | ug/L  | 0.54                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 95-47-6      | o-Xylene                       | ND            |      | ug/L  | 0.21                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 1330-20-7P/M | p- & m- Xylenes                | ND            |      | ug/L  | 0.53                    | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 99-87-6      | p-Isopropyltoluene             | ND            |      | ug/L  | 0.34                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 135-98-8     | sec-Butylbenzene               | ND            |      | ug/L  | 0.59                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 100-42-5     | Styrene                        | ND            |      | ug/L  | 0.22                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 98-06-6      | tert-Butylbenzene              | ND            |      | ug/L  | 1.4                     | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 127-18-4     | Tetrachloroethylene            | 1.9           | J    | ug/L  | 0.41                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 108-88-3     | Toluene                        | ND            |      | ug/L  | 0.17                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 156-60-5     | trans-1,2-Dichloroethylene     | ND            |      | ug/L  | 0.52                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 10061-02-6   | trans-1,3-Dichloropropylene    | ND            |      | ug/L  | 0.67                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 79-01-6      | Trichloroethylene              | 1.J           | J    | ug/L  | 0.16                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 75-69-4      | Trichlorofluoromethane         | ND            |      | ug/L  | 0.54                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 108-05-4     | Vinyl acetate                  | ND            |      | ug/L  | 0.73                    | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 75-01-4      | Vinyl Chloride                 | ND            |      | ug/L  | 0.68                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
| 1330-20-7    | Xylenes, Total                 | ND            |      | ug/L  | 0.55                    | 15  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 07:00   | SS      |
|              | <b>Surrogate Recoveries</b>    | <b>Result</b> |      |       | <b>Acceptance Range</b> |     |          |                  |                    |                    |         |

# YORK

ANALYTICAL LABORATORIES, INC.

## Sample Information

Client Sample ID: MW-1

York Sample ID: 1210587-01

York Project (SDG) No.  
1210587

Client Project ID  
Maggio 894-06-01

Matrix  
Water

Collection Date/Time  
September 17, 2012 3:00 pm

Date Received  
09/18/2012

### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5030B

| CAS No.    | Parameter                        | Result | Flag | Units | MDL      | RL | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|----------------------------------|--------|------|-------|----------|----|----------|------------------|--------------------|--------------------|---------|
| 17060-07-0 | Surrogate: 1,2-Dichloroethane-d4 | 101 %  |      |       | 72.6-129 |    |          |                  |                    |                    |         |
| 460-00-4   | Surrogate: p-Bromofluorobenzene  | 90.5 % |      |       | 63.5-145 |    |          |                  |                    |                    |         |
| 2037-26-5  | Surrogate: Toluene-d8            | 97.5 % |      |       | 81.2-127 |    |          |                  |                    |                    |         |

## Sample Information

Client Sample ID: MW-2S

York Sample ID: 1210587-02

York Project (SDG) No.  
1210587

Client Project ID  
Maggio 894-06-01

Matrix  
Water

Collection Date/Time  
September 17, 2012 3:00 pm

Date Received  
09/18/2012

### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5030B

| CAS No.  | Parameter   | Result | Flag | Units | MDL | RL  | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-------|-----|-----|----------|------------------|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane                         | ND     |      | ug/L  | 3.2 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 71-55-6  | 1,1,1-Trichloroethane                             | 22     | J    | ug/L  | 2.3 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                         | ND     |      | ug/L  | 5.9 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND     |      | ug/L  | 3.4 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 79-00-5  | 1,1,2-Trichloroethane                             | ND     |      | ug/L  | 13  | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 75-34-3  | 1,1-Dichloroethane                                | ND     |      | ug/L  | 4.2 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 75-35-4  | 1,1-Dichloroethylene                              | ND     |      | ug/L  | 5.2 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 563-58-6 | 1,1-Dichloropropylene                             | ND     |      | ug/L  | 2.6 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 87-61-6  | 1,2,3-Trichlorobenzene                            | ND     |      | ug/L  | 9.9 | 100 | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 96-18-4  | 1,2,3-Trichloropropane                            | ND     |      | ug/L  | 7.3 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 120-82-1 | 1,2,4-Trichlorobenzene                            | ND     |      | ug/L  | 9.1 | 100 | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 95-63-6  | 1,2,4-Trimethylbenzene                            | ND     |      | ug/L  | 4.1 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                       | ND     |      | ug/L  | 9.8 | 100 | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 106-93-4 | 1,2-Dibromoethane                                 | ND     |      | ug/L  | 4.4 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 95-50-1  | 1,2-Dichlorobenzene                               | ND     |      | ug/L  | 4.0 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 107-06-2 | 1,2-Dichloroethane                                | ND     |      | ug/L  | 3.6 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 78-87-5  | 1,2-Dichloropropane                               | ND     |      | ug/L  | 2.3 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 108-67-8 | 1,3,5-Trimethylbenzene                            | ND     |      | ug/L  | 4.8 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 541-73-1 | 1,3-Dichlorobenzene                               | ND     |      | ug/L  | 4.7 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 142-28-9 | 1,3-Dichloropropane                               | ND     |      | ug/L  | 5.5 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 106-46-7 | 1,4-Dichlorobenzene                               | ND     |      | ug/L  | 6.2 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 123-91-1 | 1,4-Dioxane                                       | ND     |      | ug/L  | 110 | 500 | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 594-20-7 | 2,2-Dichloropropane                               | ND     |      | ug/L  | 4.2 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |

# YORK

ANALYTICAL LABORATORIES, INC.

## Sample Information

**Client Sample ID:** MW-2S

**York Sample ID:** 1210587-02

York Project (SDG) No.  
1210587

Client Project ID  
Maggio 894-06-01

Matrix  
Water

Collection Date/Time  
September 17, 2012 3:00 pm

Date Received  
09/18/2012

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

| CAS No.      | Parameter                      | Result | Flag | Units | MDL | RL  | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|--------------|--------------------------------|--------|------|-------|-----|-----|----------|------------------|--------------------|--------------------|---------|
| 78-93-3      | 2-Butanone                     | ND     |      | ug/L  | 15  | 100 | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 95-49-8      | 2-Chlorotoluene                | ND     |      | ug/L  | 4.3 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 106-43-4     | 4-Chlorotoluene                | ND     |      | ug/L  | 3.1 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 67-64-1      | Acetone                        | ND     |      | ug/L  | 61  | 100 | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 71-43-2      | Benzene                        | ND     |      | ug/L  | 3.0 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 108-86-1     | Bromobenzene                   | ND     |      | ug/L  | 10  | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 74-97-5      | Bromochloromethane             | ND     |      | ug/L  | 5.4 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 75-27-4      | Bromodichloromethane           | ND     |      | ug/L  | 4.1 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 75-25-2      | Bromoform                      | ND     |      | ug/L  | 5.8 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 74-83-9      | Bromomethane                   | ND     |      | ug/L  | 20  | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 56-23-5      | Carbon tetrachloride           | ND     |      | ug/L  | 5.6 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 108-90-7     | Chlorobenzene                  | ND     |      | ug/L  | 3.8 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 75-00-3      | Chloroethane                   | ND     |      | ug/L  | 28  | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 67-66-3      | Chloroform                     | ND     |      | ug/L  | 4.2 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 74-87-3      | Chloromethane                  | ND     |      | ug/L  | 4.1 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 156-59-2     | cis-1,2-Dichloroethylene       | 170    |      | ug/L  | 4.3 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 10061-01-5   | cis-1,3-Dichloropropylene      | ND     |      | ug/L  | 4.1 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 124-48-1     | Dibromochloromethane           | ND     |      | ug/L  | 3.9 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 74-95-3      | Dibromomethane                 | ND     |      | ug/L  | 5.8 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 75-71-8      | Dichlorodifluoromethane        | ND     |      | ug/L  | 3.5 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 100-41-4     | Ethyl Benzene                  | ND     |      | ug/L  | 2.5 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 87-68-3      | Hexachlorobutadiene            | ND     |      | ug/L  | 6.8 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 98-82-8      | Isopropylbenzene               | ND     |      | ug/L  | 6.3 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 1634-04-4    | Methyl tert-butyl ether (MTBE) | ND     |      | ug/L  | 5.3 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 75-09-2      | Methylene chloride             | ND     |      | ug/L  | 24  | 100 | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 91-20-3      | Naphthalene                    | ND     |      | ug/L  | 12  | 100 | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 104-51-8     | n-Butylbenzene                 | ND     |      | ug/L  | 3.0 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 103-65-1     | n-Propylbenzene                | ND     |      | ug/L  | 5.4 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 95-47-6      | o-Xylene                       | ND     |      | ug/L  | 2.1 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 1330-20-7P/M | p- & m- Xylenes                | ND     |      | ug/L  | 5.3 | 100 | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 99-87-6      | p-Isopropyltoluene             | ND     |      | ug/L  | 3.4 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 135-98-8     | sec-Butylbenzene               | ND     |      | ug/L  | 5.9 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 100-42-5     | Styrene                        | ND     |      | ug/L  | 2.2 | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 98-06-6      | tert-Butylbenzene              | ND     |      | ug/L  | 14  | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |

# YORK

ANALYTICAL LABORATORIES, INC.

## Sample Information

**Client Sample ID:** MW-2S

**York Sample ID:** 1210587-02

York Project (SDG) No.  
1210587

Client Project ID  
Maggio 894-06-01

Matrix  
Water

Collection Date/Time  
September 17, 2012 3:00 pm

Date Received  
09/18/2012

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

| CAS No.                     | Parameter                        | Result        | Flag | Units | MDL                     | RL  | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|------|-------|-------------------------|-----|----------|------------------|--------------------|--------------------|---------|
| 127-18-4                    | Tetrachloroethylene              | 700           |      | ug/L  | 4.1                     | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 108-88-3                    | Toluene                          | ND            |      | ug/L  | 1.7                     | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |      | ug/L  | 5.2                     | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 10061-02-6                  | trans-1,3-Dichloropropylene      | ND            |      | ug/L  | 6.7                     | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 79-01-6                     | Trichloroethylene                | 290           |      | ug/L  | 1.6                     | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 75-69-4                     | Trichlorofluoromethane           | ND            |      | ug/L  | 5.4                     | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 108-05-4                    | Vinyl acetate                    | ND            |      | ug/L  | 7.3                     | 100 | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 75-01-4                     | Vinyl Chloride                   | ND            |      | ug/L  | 6.8                     | 50  | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| 1330-20-7                   | Xylenes, Total                   | ND            |      | ug/L  | 5.5                     | 150 | 10       | EPA 8260B/624    | 09/21/2012 15:27   | 09/24/2012 18:37   | SR      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> |      |       | <b>Acceptance Range</b> |     |          |                  |                    |                    |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d4 | 101 %         |      |       | 72.6-129                |     |          |                  |                    |                    |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 89.3 %        |      |       | 63.5-145                |     |          |                  |                    |                    |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 96.9 %        |      |       | 81.2-127                |     |          |                  |                    |                    |         |

## Sample Information

**Client Sample ID:** MW-2I

**York Sample ID:** 1210587-03

York Project (SDG) No.  
1210587

Client Project ID  
Maggio 894-06-01

Matrix  
Water

Collection Date/Time  
September 17, 2012 3:00 pm

Date Received  
09/18/2012

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

| CAS No.  | Parameter   | Result | Flag | Units | MDL  | RL  | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-------|------|-----|----------|------------------|--------------------|--------------------|---------|
| 610-20-6 | 1,1,1,2-Tetrachloroethane                         | ND     |      | ug/L  | 0.32 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 71-55-6  | 1,1,1-Trichloroethane                             | 4.3    | J    | ug/L  | 0.23 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                         | ND     |      | ug/L  | 0.59 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 76-13-1  | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND     |      | ug/L  | 0.34 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 79-00-5  | 1,1,2-Trichloroethane                             | ND     |      | ug/L  | 1.3  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 75-34-3  | 1,1-Dichloroethane                                | ND     |      | ug/L  | 0.42 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 75-35-4  | 1,1-Dichloroethylene                              | ND     |      | ug/L  | 0.52 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 563-58-6 | 1,1-Dichloropropylene                             | ND     |      | ug/L  | 0.26 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 87-61-6  | 1,2,3-Trichlorobenzene                            | ND     |      | ug/L  | 0.99 | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 96-18-4  | 1,2,3-Trichloropropane                            | ND     |      | ug/L  | 0.73 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 120-82-1 | 1,2,4-Trichlorobenzene                            | ND     |      | ug/L  | 0.91 | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 95-63-6  | 1,2,4-Trimethylbenzene                            | ND     |      | ug/L  | 0.41 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                       | ND     |      | ug/L  | 0.98 | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |

# YORK

ANALYTICAL LABORATORIES, INC.

## Sample Information

Client Sample ID: MW-21

York Sample ID: 1210587-03

York Project (SDG) No.  
1210587

Client Project ID  
Maggio 894-06-01

Matrix  
Water

Collection Date/Time  
September 17, 2012 3:00 pm

Date Received  
09/18/2012

### Volatile Organics, 8260 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 8260B

| CAS No.    | Parameter                      | Result | Flag | Units | MDL  | RL  | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------------------------|--------|------|-------|------|-----|----------|------------------|--------------------|--------------------|---------|
| 106-93-4   | 1,2-Dibromoethane              | ND     |      | ug/L  | 0.44 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 95-50-1    | 1,2-Dichlorobenzene            | ND     |      | ug/L  | 0.40 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 107-06-2   | 1,2-Dichloroethane             | ND     |      | ug/L  | 0.36 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 78-87-5    | 1,2-Dichloropropane            | ND     |      | ug/L  | 0.23 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 108-67-8   | 1,3,5-Trimethylbenzene         | ND     |      | ug/L  | 0.48 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 541-73-1   | 1,3-Dichlorobenzene            | ND     |      | ug/L  | 0.47 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 142-28-9   | 1,3-Dichloropropane            | ND     |      | ug/L  | 0.55 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 106-46-7   | 1,4-Dichlorobenzene            | ND     |      | ug/L  | 0.62 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 123-91-1   | 1,4-Dioxane                    | ND     |      | ug/L  | 1.1  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 594-20-7   | 2,2-Dichloropropane            | ND     |      | ug/L  | 0.42 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 78-93-3    | 2-Butanone                     | ND     |      | ug/L  | 1.5  | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 95-49-8    | 2-Chlorotoluene                | ND     |      | ug/L  | 0.43 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 106-43-4   | 4-Chlorotoluene                | ND     |      | ug/L  | 0.31 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 67-64-1    | Acetone                        | ND     |      | ug/L  | 6.1  | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 71-43-2    | Benzene                        | ND     |      | ug/L  | 0.30 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 108-86-1   | Bromobenzene                   | ND     |      | ug/L  | 1.0  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 74-97-5    | Bromochloromethane             | ND     |      | ug/L  | 0.54 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 75-27-4    | Bromodichloromethane           | ND     |      | ug/L  | 0.41 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 75-25-2    | Bromoform                      | ND     |      | ug/L  | 0.58 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 74-83-9    | Bromomethane                   | ND     |      | ug/L  | 2.0  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 56-23-5    | Carbon tetrachloride           | ND     |      | ug/L  | 0.56 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 108-90-7   | Chlorobenzene                  | ND     |      | ug/L  | 0.38 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 75-00-3    | Chloroethane                   | ND     |      | ug/L  | 2.8  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 67-66-3    | Chloroform                     | ND     |      | ug/L  | 0.42 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 74-87-3    | Chloromethane                  | ND     |      | ug/L  | 0.41 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 156-59-2   | cis-1,2-Dichloroethylene       | 60     |      | ug/L  | 0.43 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 10061-01-5 | cis-1,3-Dichloropropylene      | ND     |      | ug/L  | 0.41 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 124-48-1   | Dibromochloromethane           | ND     |      | ug/L  | 0.39 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 74-95-3    | Dibromomethane                 | ND     |      | ug/L  | 0.58 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 75-71-8    | Dichlorodifluoromethane        | ND     |      | ug/L  | 0.35 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 100-41-4   | Ethyl Benzene                  | ND     |      | ug/L  | 0.25 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 87-68-3    | Hexachlorobutadiene            | ND     |      | ug/L  | 0.68 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 98-82-8    | Isopropylbenzene               | ND     |      | ug/L  | 0.63 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 1634-04-4  | Methyl tert-butyl ether (MTBE) | ND     |      | ug/L  | 0.53 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |

# YORK

ANALYTICAL LABORATORIES, INC.

## Sample Information

|  |  |                                    |   |
|--|--|------------------------------------|---|
| <u>Client Sample ID:</u> MW-2I           |  | <u>York Sample ID:</u> 12I0587-03  |   |
| <u>York Project (SDG) No.</u><br>12I0587 | <u>Client Project ID</u><br>Maggio 894-06-01 | <u>Matrix</u><br>Water             | <u>Collection Date/Time</u><br>September 17, 2012 3:00 pm |
|  |  | <u>Date Received</u><br>09/18/2012 |   |

### Volatile Organics, 8260 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5030B

| CAS No.      | Parameter                        | Result        | Flag | Units | MDL                     | RL  | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|--------------|----------------------------------|---------------|------|-------|-------------------------|-----|----------|------------------|--------------------|--------------------|---------|
| 75-09-2      | Methylene chloride               | ND            |      | ug/L  | 2.4                     | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 91-20-3      | Naphthalene                      | ND            |      | ug/L  | 1.2                     | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 104-51-8     | n-Butylbenzene                   | ND            |      | ug/L  | 0.30                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 103-65-1     | n-Propylbenzene                  | ND            |      | ug/L  | 0.54                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 95-47-6      | o-Xylene                         | ND            |      | ug/L  | 0.21                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 1330-20-7P/M | p- & m- Xylenes                  | ND            |      | ug/L  | 0.53                    | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 99-87-6      | p-Isopropyltoluene               | ND            |      | ug/L  | 0.34                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 135-98-8     | sec-Butylbenzene                 | ND            |      | ug/L  | 0.59                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 100-42-5     | Styrene                          | ND            |      | ug/L  | 0.22                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 98-06-6      | tert-Butylbenzene                | ND            |      | ug/L  | 1.4                     | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 127-18-4     | Tetrachloroethylene              | 140           |      | ug/L  | 0.41                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 108-88-3     | Toluene                          | ND            |      | ug/L  | 0.17                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 156-60-5     | trans-1,2-Dichloroethylene       | ND            |      | ug/L  | 0.52                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 10061-02-6   | trans-1,3-Dichloropropylene      | ND            |      | ug/L  | 0.67                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 79-01-6      | Trichloroethylene                | 77            |      | ug/L  | 0.16                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 75-69-4      | Trichlorofluoromethane           | ND            |      | ug/L  | 0.54                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 108-05-4     | Vinyl acetate                    | ND            |      | ug/L  | 0.73                    | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 75-01-4      | Vinyl Chloride                   | ND            |      | ug/L  | 0.68                    | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
| 1330-20-7    | Xylenes, Total                   | ND            |      | ug/L  | 0.55                    | 15  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:16   | SS      |
|              | <b>Surrogate Recoveries</b>      | <b>Result</b> |      |       | <b>Acceptance Range</b> |     |          |                  |                    |                    |         |
| 17060-07-0   | Surrogate: 1,2-Dichloroethane-d4 | 104 %         |      |       | 72.6-129                |     |          |                  |                    |                    |         |
| 460-00-4     | Surrogate: p-Bromofluorobenzene  | 90.2 %        |      |       | 63.5-145                |     |          |                  |                    |                    |         |
| 2037-26-5    | Surrogate: Toluene-d8            | 97.8 %        |      |       | 81.2-127                |     |          |                  |                    |                    |         |

## Sample Information

|  |  |                                    |   |
|--|--|------------------------------------|---|
| <u>Client Sample ID:</u> MW-2D           |  | <u>York Sample ID:</u> 12I0587-04  |   |
| <u>York Project (SDG) No.</u><br>12I0587 | <u>Client Project ID</u><br>Maggio 894-06-01 | <u>Matrix</u><br>Water             | <u>Collection Date/Time</u><br>September 17, 2012 3:00 pm |
|  |  | <u>Date Received</u><br>09/18/2012 |   |

### Volatile Organics, 8260 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5030B

| CAS No.  | Parameter                 | Result | Flag | Units | MDL  | RL  | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---------------------------|--------|------|-------|------|-----|----------|------------------|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND     |      | ug/L  | 0.32 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 71-55-6  | 1,1,1-Trichloroethane     | 2.6    | J    | ug/L  | 0.23 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 79-34-5  | 1,1,2,2-Tetrachloroethane | ND     |      | ug/L  | 0.59 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |

# YORK

ANALYTICAL LABORATORIES, INC.

## Sample Information

Client Sample ID: MW-2D

York Sample ID: 12I0587-04

York Project (SDG) No.  
12I0587

Client Project ID  
Maggio 894-06-01

Matrix  
Water

Collection Date/Time  
September 17, 2012 3:00 pm

Date Received  
09/18/2012

### Volatile Organics, 8260 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5030B

| CAS No.  | Parameter                                       | Result | Flag | Units | MDL  | RL  | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-------|------|-----|----------|------------------|--------------------|--------------------|---------|
| 76-13-1  | 1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND     |      | ug/L  | 0.34 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 79-00-5  | 1,1,2-Trichloroethane                           | ND     |      | ug/L  | 1.3  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 75-34-3  | 1,1-Dichloroethane                              | ND     |      | ug/L  | 0.42 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 75-35-4  | 1,1-Dichloroethylene                            | ND     |      | ug/L  | 0.52 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 563-58-6 | 1,1-Dichloropropylene                           | ND     |      | ug/L  | 0.26 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 87-61-6  | 1,2,3-Trichlorobenzene                          | ND     |      | ug/L  | 0.99 | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 96-18-4  | 1,2,3-Trichloropropane                          | ND     |      | ug/L  | 0.73 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 120-82-1 | 1,2,4-Trichlorobenzene                          | ND     |      | ug/L  | 0.91 | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 95-63-6  | 1,2,4-Trimethylbenzene                          | ND     |      | ug/L  | 0.41 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 96-12-8  | 1,2-Dibromo-3-chloropropane                     | ND     |      | ug/L  | 0.98 | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 106-93-4 | 1,2-Dibromoethane                               | ND     |      | ug/L  | 0.44 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 95-50-1  | 1,2-Dichlorobenzene                             | ND     |      | ug/L  | 0.40 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 107-06-2 | 1,2-Dichloroethane                              | ND     |      | ug/L  | 0.36 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 78-87-5  | 1,2-Dichloropropane                             | ND     |      | ug/L  | 0.23 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 108-67-8 | 1,3,5-Trimethylbenzene                          | ND     |      | ug/L  | 0.48 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 541-73-1 | 1,3-Dichlorobenzene                             | ND     |      | ug/L  | 0.47 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 142-28-9 | 1,3-Dichloropropane                             | ND     |      | ug/L  | 0.55 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 106-46-7 | 1,4-Dichlorobenzene                             | ND     |      | ug/L  | 0.62 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 123-91-1 | 1,4-Dioxane                                     | ND     |      | ug/L  | 11   | 50  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 594-20-7 | 2,2-Dichloropropane                             | ND     |      | ug/L  | 0.42 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 78-93-3  | 2-Butanone                                      | ND     |      | ug/L  | 1.5  | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 95-49-8  | 2-Chlorotoluene                                 | ND     |      | ug/L  | 0.43 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 106-43-4 | 4-Chlorotoluene                                 | ND     |      | ug/L  | 0.31 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 67-64-1  | Acetone   | ND     |      | ug/L  | 6.1  | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 71-43-2  | Benzene   | ND     |      | ug/L  | 0.30 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 108-86-1 | Bromobenzene                                    | ND     |      | ug/L  | 1.0  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 74-97-5  | Bromochloromethane                              | ND     |      | ug/L  | 0.54 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 75-27-4  | Bromodichloromethane                            | ND     |      | ug/L  | 0.41 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 75-25-2  | Bromoform                                       | ND     |      | ug/L  | 0.58 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 74-83-9  | Bromomethane                                    | ND     |      | ug/L  | 2.0  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 56-23-5  | Carbon tetrachloride                            | ND     |      | ug/L  | 0.56 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 108-90-7 | Chlorobenzene                                   | ND     |      | ug/L  | 0.38 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 75-00-3  | Chloroethane                                    | ND     |      | ug/L  | 2.8  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 67-66-3  | Chloroform                                      | ND     |      | ug/L  | 0.42 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |

# YORK

ANALYTICAL LABORATORIES, INC.

## Sample Information

**Client Sample ID:** MW-2D

**York Sample ID:** 12I0587-04

**York Project (SDG) No.**  
12I0587

**Client Project ID**  
Maggio 894-06-01

**Matrix**  
Water

**Collection Date/Time**  
September 17, 2012 3:00 pm

**Date Received**  
09/18/2012

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

| CAS No.                     | Parameter                        | Result        | Flag                    | Units | MDL  | RL  | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|----------------------------------|---------------|-------------------------|-------|------|-----|----------|------------------|--------------------|--------------------|---------|
| 74-87-3                     | Chloromethane                    | ND            |                         | ug/L  | 0.41 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 156-59-2                    | cis-1,2-Dichloroethylene         | 16            |                         | ug/L  | 0.43 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 10061-01-5                  | cis-1,3-Dichloropropylene        | ND            |                         | ug/L  | 0.41 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 124-48-1                    | Dibromochloromethane             | ND            |                         | ug/L  | 0.39 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 74-95-3                     | Dibromomethane                   | ND            |                         | ug/L  | 0.58 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 75-71-8                     | Dichlorodifluoromethane          | ND            |                         | ug/L  | 0.35 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 100-41-4                    | Ethyl Benzene                    | ND            |                         | ug/L  | 0.25 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 87-68-3                     | Hexachlorobutadiene              | ND            |                         | ug/L  | 0.68 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 98-82-8                     | Isopropylbenzene                 | ND            |                         | ug/L  | 0.63 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 1634-04-4                   | Methyl tert-butyl ether (MTBE)   | ND            |                         | ug/L  | 0.53 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 75-09-2                     | Methylene chloride               | ND            |                         | ug/L  | 2.4  | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 91-20-3                     | Naphthalene                      | ND            |                         | ug/L  | 1.2  | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 104-51-8                    | n-Butylbenzene                   | ND            |                         | ug/L  | 0.30 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 103-65-1                    | n-Propylbenzene                  | ND            |                         | ug/L  | 0.54 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 95-47-6                     | o-Xylene                         | ND            |                         | ug/L  | 0.21 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 1330-20-7P/M                | p- & m- Xylenes                  | ND            |                         | ug/L  | 0.53 | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 99-87-6                     | p-Isopropyltoluene               | ND            |                         | ug/L  | 0.34 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 135-98-8                    | sec-Butylbenzene                 | ND            |                         | ug/L  | 0.59 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 100-42-5                    | Styrene                          | ND            |                         | ug/L  | 0.22 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 98-06-6                     | tert-Butylbenzene                | ND            |                         | ug/L  | 1.4  | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 127-18-4                    | Tetrachloroethylene              | 60            |                         | ug/L  | 0.41 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 108-88-3                    | Toluene                          | ND            |                         | ug/L  | 0.17 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 156-60-5                    | trans-1,2-Dichloroethylene       | ND            |                         | ug/L  | 0.52 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 10061-02-6                  | trans-1,3-Dichloropropylene      | ND            |                         | ug/L  | 0.67 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 79-01-6                     | Trichloroethylene                | 35            |                         | ug/L  | 0.16 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 75-69-4                     | Trichlorofluoromethane           | ND            |                         | ug/L  | 0.54 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 108-05-4                    | Vinyl acetate                    | ND            |                         | ug/L  | 0.73 | 10  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 75-01-4                     | Vinyl Chloride                   | ND            |                         | ug/L  | 0.68 | 5.0 | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| 1330-20-7                   | Xylenes, Total                   | ND            |                         | ug/L  | 0.55 | 15  | 1        | EPA 8260B/624    | 09/21/2012 15:27   | 09/22/2012 08:55   | SS      |
| <b>Surrogate Recoveries</b> |                                  | <b>Result</b> | <b>Acceptance Range</b> |       |      |     |          |                  |                    |                    |         |
| 17060-07-0                  | Surrogate: 1,2-Dichloroethane-d1 | 100 %         | 72.6-129                |       |      |     |          |                  |                    |                    |         |
| 460-00-4                    | Surrogate: p-Bromofluorobenzene  | 90.2 %        | 63.5-145                |       |      |     |          |                  |                    |                    |         |
| 2037-26-5                   | Surrogate: Toluene-d8            | 97.2 %        | 81.2-127                |       |      |     |          |                  |                    |                    |         |



# YORK

ANALYTICAL LABORATORIES, INC.

## Analytical Batch Summary

**Batch ID:** BI20836                      **Preparation Method:** EPA 5030B                      **Prepared By:** AY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 12I0587-01     | MW-1             | 09/21/12         |
| 12I0587-03     | MW-2I            | 09/21/12         |
| 12I0587-04     | MW-2D            | 09/21/12         |
| BI20836-BLK1   | Blank            | 09/21/12         |
| BI20836-BS1    | LCS              | 09/21/12         |
| BI20836-BSD1   | LCS Dup          | 09/21/12         |

**Batch ID:** BI20869                      **Preparation Method:** EPA 5030B                      **Prepared By:** AY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 12I0587-02     | MW-2S            | 09/21/12         |
| BI20869-BLK1   | Blank            | 09/24/12         |
| BI20869-BS1    | LCS              | 09/24/12         |
| BI20869-BSD1   | LCS Dup          | 09/24/12         |

# YORK

ANALYTICAL LABORATORIES, INC.

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte   | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
| <b>Batch BI20836 - EPA 5030B</b>                  |        |                    |       |                |                   |      |                |      |     |              |      |
| <b>Blank (BI20836-BLK1)</b>                       |        |                    |       |                |                   |      |                |      |     |              |      |
| Prepared: 09/21/2012 Analyzed: 09/22/2012         |        |                    |       |                |                   |      |                |      |     |              |      |
| 1,1,1,2-Tetrachloroethane                         | ND     | 5.0                | ug/L  |                |                   |      |                |      |     |              |      |
| 1,1,1-Trichloroethane                             | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,1,2,2-Tetrachloroethane                         | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,1,2-Trichloroethane                             | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,1-Dichloroethane                                | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,1-Dichloroethylene                              | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,1-Dichloropropylene                             | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,2,3-Trichlorobenzene                            | ND     | 10                 | "     |                |                   |      |                |      |     |              |      |
| 1,2,3-Trichloropropane                            | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,2,4-Trichlorobenzene                            | ND     | 10                 | "     |                |                   |      |                |      |     |              |      |
| 1,2,4-Trimethylbenzene                            | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,2-Dibromo-3-chloropropane                       | ND     | 10                 | "     |                |                   |      |                |      |     |              |      |
| 1,2-Dibromoethane                                 | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,2-Dichlorobenzene                               | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,2-Dichloroethane                                | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,2-Dichloropropane                               | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,3,5-Trimethylbenzene                            | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,3-Dichlorobenzene                               | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,3-Dichloropropane                               | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,4-Dichlorobenzene                               | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 1,4-Dioxane                                       | ND     | 50                 | "     |                |                   |      |                |      |     |              |      |
| 2,2-Dichloropropane                               | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 2-Butanone  | ND     | 10                 | "     |                |                   |      |                |      |     |              |      |
| 2-Chlorotoluene                                   | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| 4-Chlorotoluene                                   | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Acetone   | 24     | 10                 | "     |                |                   |      |                |      |     |              |      |
| Benzene   | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Bromobenzene                                      | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Bromochloromethane                                | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Bromodichloromethane                              | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Bromoform   | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Bromomethane                                      | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Carbon tetrachloride                              | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Chlorobenzene                                     | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Chloroethane                                      | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Chloroform  | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Chloromethane                                     | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| cis-1,2-Dichloroethylene                          | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| cis-1,3-Dichloropropylene                         | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Dibromochloromethane                              | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Dibromomethane                                    | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Dichlorodifluoromethane                           | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Ethyl Benzene                                     | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Hexachlorobutadiene                               | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Isopropylbenzene                                  | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Methyl tert-butyl ether (MTBE)                    | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| Methylene chloride                                | 6.1    | 10                 | "     |                |                   |      |                |      |     |              |      |
| Naphthalene                                       | ND     | 10                 | "     |                |                   |      |                |      |     |              |      |
| n-Butylbenzene                                    | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| n-Propylbenzene                                   | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| o-Xylene  | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |
| p- & m- Xylenes                                   | ND     | 10                 | "     |                |                   |      |                |      |     |              |      |
| p-Isopropyltoluene                                | ND     | 5.0                | "     |                |                   |      |                |      |     |              |      |

# YORK

ANALYTICAL LABORATORIES, INC.

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|

**Batch BI20836 - EPA 5030B**

**Blank (BI20836-BLK1)**

Prepared: 09/21/2012 Analyzed: 09/22/2012

|                             |    |     |      |  |  |  |  |  |  |  |  |
|-----------------------------|----|-----|------|--|--|--|--|--|--|--|--|
| sec-Butylbenzene            | ND | 5.0 | ug/L |  |  |  |  |  |  |  |  |
| Styrene                     | ND | 5.0 | "    |  |  |  |  |  |  |  |  |
| tert-Butylbenzene           | ND | 5.0 | "    |  |  |  |  |  |  |  |  |
| Tetrachloroethylene         | ND | 5.0 | "    |  |  |  |  |  |  |  |  |
| Toluene                     | ND | 5.0 | "    |  |  |  |  |  |  |  |  |
| trans-1,2-Dichloroethylene  | ND | 5.0 | "    |  |  |  |  |  |  |  |  |
| trans-1,3-Dichloropropylene | ND | 5.0 | "    |  |  |  |  |  |  |  |  |
| Trichloroethylene           | ND | 5.0 | "    |  |  |  |  |  |  |  |  |
| Trichlorofluoromethane      | ND | 5.0 | "    |  |  |  |  |  |  |  |  |
| Vinyl Chloride              | ND | 5.0 | "    |  |  |  |  |  |  |  |  |
| Xylenes, Total              | ND | 15  | "    |  |  |  |  |  |  |  |  |
| Vinyl acetate               | ND | 10  | "    |  |  |  |  |  |  |  |  |

|   |      |  |   |      |  |      |          |  |  |  |  |
|---|------|--|---|------|--|------|----------|--|--|--|--|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 50.9 |  | " | 50.0 |  | 102  | 72.6-129 |  |  |  |  |
| <i>Surrogate: p-Bromofluorobenzene</i>  | 44.8 |  | " | 50.0 |  | 89.6 | 63.5-145 |  |  |  |  |
| <i>Surrogate: Toluene-d8</i>            | 49.2 |  | " | 50.0 |  | 98.4 | 81.2-127 |  |  |  |  |

**LCS (BI20836-BS1)**

Prepared: 09/21/2012 Analyzed: 09/22/2012

|   |    |  |      |      |  |      |          |          |  |  |  |
|---|----|--|------|------|--|------|----------|----------|--|--|--|
| 1,1,1,2-Tetrachloroethane                         | 50 |  | ug/L | 50.0 |  | 99.9 | 82.3-130 |          |  |  |  |
| 1,1,1-Trichloroethane                             | 51 |  | "    | 50.0 |  | 102  | 75.6-137 |          |  |  |  |
| 1,1,2,2-Tetrachloroethane                         | 47 |  | "    | 50.0 |  | 94.0 | 71.3-131 |          |  |  |  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 55 |  | "    | 50.0 |  | 111  | 71.1-129 |          |  |  |  |
| 1,1,2-Trichloroethane                             | 49 |  | "    | 50.0 |  | 97.2 | 74.5-129 |          |  |  |  |
| 1,1-Dichloroethane                                | 55 |  | "    | 50.0 |  | 110  | 79.6-132 |          |  |  |  |
| 1,1-Dichloroethylene                              | 55 |  | "    | 50.0 |  | 109  | 80.2-146 |          |  |  |  |
| 1,1-Dichloropropylene                             | 51 |  | "    | 50.0 |  | 102  | 75-136   |          |  |  |  |
| 1,2,3-Trichlorobenzene                            | 53 |  | "    | 50.0 |  | 107  | 66.1-136 |          |  |  |  |
| 1,2,3-Trichloropropane                            | 48 |  | "    | 50.0 |  | 95.1 | 63-131   |          |  |  |  |
| 1,2,4-Trichlorobenzene                            | 49 |  | "    | 50.0 |  | 97.5 | 70.6-136 |          |  |  |  |
| 1,2,4-Trimethylbenzene                            | 47 |  | "    | 50.0 |  | 94.8 | 75.3-135 |          |  |  |  |
| 1,2-Dibromo-3-chloropropane                       | 49 |  | "    | 50.0 |  | 97.1 | 58.9-140 |          |  |  |  |
| 1,2-Dibromoethane                                 | 51 |  | "    | 50.0 |  | 102  | 79-130   |          |  |  |  |
| 1,2-Dichlorobenzene                               | 48 |  | "    | 50.0 |  | 95.4 | 76.1-122 |          |  |  |  |
| 1,2-Dichloroethane                                | 51 |  | "    | 50.0 |  | 102  | 74.6-132 |          |  |  |  |
| 1,2-Dichloropropane                               | 47 |  | "    | 50.0 |  | 93.4 | 76.9-129 |          |  |  |  |
| 1,3,5-Trimethylbenzene                            | 45 |  | "    | 50.0 |  | 90.0 | 70.6-127 |          |  |  |  |
| 1,3-Dichlorobenzene                               | 45 |  | "    | 50.0 |  | 90.9 | 77-124   |          |  |  |  |
| 1,3-Dichloropropane                               | 49 |  | "    | 50.0 |  | 97.9 | 75.8-126 |          |  |  |  |
| 1,4-Dichlorobenzene                               | 47 |  | "    | 50.0 |  | 93.6 | 76.6-125 |          |  |  |  |
| 1,4-Dioxane                                       | 34 |  | "    | 50.0 |  | 67.8 | 70-130   | Low Bias |  |  |  |
| 2,2-Dichloropropane                               | 46 |  | "    | 50.0 |  | 91.9 | 69-133   |          |  |  |  |
| 2-Butanone  | 51 |  | "    | 50.0 |  | 101  | 70-130   |          |  |  |  |
| 2-Chlorotoluene                                   | 43 |  | "    | 50.0 |  | 86.8 | 66.3-119 |          |  |  |  |
| 4-Chlorotoluene                                   | 46 |  | "    | 50.0 |  | 91.0 | 69.2-127 |          |  |  |  |
| Acetone   | 65 |  | "    | 50.0 |  | 129  | 70-130   |          |  |  |  |
| Benzene   | 52 |  | "    | 50.0 |  | 104  | 76.2-129 |          |  |  |  |
| Bromobenzene                                      | 44 |  | "    | 50.0 |  | 89.0 | 71.3-123 |          |  |  |  |
| Bromochloromethane                                | 51 |  | "    | 50.0 |  | 102  | 70.8-137 |          |  |  |  |
| Bromodichloromethane                              | 49 |  | "    | 50.0 |  | 97.2 | 79.7-134 |          |  |  |  |
| Bromoforn   | 48 |  | "    | 50.0 |  | 96.3 | 70.5-141 |          |  |  |  |
| Bromomethane                                      | 51 |  | "    | 50.0 |  | 102  | 43.9-147 |          |  |  |  |
| Carbon tetrachloride                              | 51 |  | "    | 50.0 |  | 102  | 78.1-138 |          |  |  |  |
| Chlorobenzene                                     | 49 |  | "    | 50.0 |  | 97.5 | 80.4-125 |          |  |  |  |
| Chloroethane                                      | 45 |  | "    | 50.0 |  | 89.1 | 55.8-140 |          |  |  |  |
| Chloroform  | 52 |  | "    | 50.0 |  | 105  | 76.6-133 |          |  |  |  |

# YORK

ANALYTICAL LABORATORIES, INC.

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte                                 | Result      | Reporting<br>Limit | Units    | Spike<br>Level | Source*<br>Result | %REC                                      | %REC<br>Limits  | Flag     | RPD | RPD<br>Limit | Flag |
|---|-------------|--------------------|----------|----------------|-------------------|---|-----------------|----------|-----|--------------|------|
| <b>Batch BI20836 - EPA 5030B</b>        |             |                    |          |                |                   |   |                 |          |     |              |      |
| <b>LCS (BI20836-BS1)</b>                |             |                    |          |                |                   | Prepared: 09/21/2012 Analyzed: 09/22/2012 |                 |          |     |              |      |
| Chloromethane                           | 40          |                    | ug/L     | 50.0           |                   | 80.2                                      | 48.8-115        |          |     |              |      |
| cis-1,2-Dichloroethylene                | 53          |                    | "        | 50.0           |                   | 107                                       | 75.1-128        |          |     |              |      |
| cis-1,3-Dichloropropylene               | 47          |                    | "        | 50.0           |                   | 94.1                                      | 74.5-128        |          |     |              |      |
| Dibromochloromethane                    | 50          |                    | "        | 50.0           |                   | 101                                       | 79.8-134        |          |     |              |      |
| Dibromomethane                          | 50          |                    | "        | 50.0           |                   | 101                                       | 79-130          |          |     |              |      |
| Dichlorodifluoromethane                 | 32          |                    | "        | 50.0           |                   | 63.4                                      | 47.1-101        |          |     |              |      |
| Ethyl Benzene                           | 49          |                    | "        | 50.0           |                   | 97.2                                      | 80.8-128        |          |     |              |      |
| Hexachlorobutadiene                     | 45          |                    | "        | 50.0           |                   | 89.6                                      | 64.8-128        |          |     |              |      |
| Isopropylbenzene                        | 48          |                    | "        | 50.0           |                   | 96.4                                      | 75.5-135        |          |     |              |      |
| Methyl tert-butyl ether (MTBE)          | 64          |                    | "        | 50.0           |                   | 128                                       | 65.1-140        |          |     |              |      |
| Methylene chloride                      | 51          |                    | "        | 50.0           |                   | 103                                       | 61.3-120        |          |     |              |      |
| Naphthalene                             | 59          |                    | "        | 50.0           |                   | 118                                       | 62.3-148        |          |     |              |      |
| n-Butylbenzene                          | 45          |                    | "        | 50.0           |                   | 90.4                                      | 67.2-123        |          |     |              |      |
| n-Propylbenzene                         | 45          |                    | "        | 50.0           |                   | 89.4                                      | 70.5-127        |          |     |              |      |
| o-Xylene                                | 47          |                    | "        | 50.0           |                   | 93.4                                      | 75.9-122        |          |     |              |      |
| p- & m- Xylenes                         | 95          |                    | "        | 100            |                   | 95.5                                      | 77.7-127        |          |     |              |      |
| p-Isopropyltoluene                      | 47          |                    | "        | 50.0           |                   | 93.7                                      | 75.6-129        |          |     |              |      |
| sec-Butylbenzene                        | 45          |                    | "        | 50.0           |                   | 90.0                                      | 71.5-125        |          |     |              |      |
| Styrene                                 | 49          |                    | "        | 50.0           |                   | 97.5                                      | 77.8-123        |          |     |              |      |
| tert-Butylbenzene                       | 49          |                    | "        | 50.0           |                   | 97.2                                      | 75.9-151        |          |     |              |      |
| Tetrachloroethylene                     | 63          |                    | "        | 50.0           |                   | 126                                       | 63.6-167        |          |     |              |      |
| Toluene                                 | 48          |                    | "        | 50.0           |                   | 96.2                                      | 77-123          |          |     |              |      |
| trans-1,2-Dichloroethylene              | 58          |                    | "        | 50.0           |                   | 116                                       | 76.3-139        |          |     |              |      |
| trans-1,3-Dichloropropylene             | 46          |                    | "        | 50.0           |                   | 91.0                                      | 72.5-137        |          |     |              |      |
| Trichloroethylene                       | 50          |                    | "        | 50.0           |                   | 99.6                                      | 77.9-130        |          |     |              |      |
| Trichlorofluoromethane                  | 47          |                    | "        | 50.0           |                   | 94.2                                      | 57.4-133        |          |     |              |      |
| Vinyl Chloride                          | 41          |                    | "        | 50.0           |                   | 81.7                                      | 54.9-124        |          |     |              |      |
| Vinyl acetate                           | 14          |                    | "        | 50.0           |                   | 27.4                                      | 70-130          | Low Bias |     |              |      |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>51.9</i> |                    | <i>"</i> | <i>50.0</i>    |                   | <i>104</i>                                | <i>72.6-129</i> |          |     |              |      |
| <i>Surrogate: p-Bromofluorobenzene</i>  | <i>47.3</i> |                    | <i>"</i> | <i>50.0</i>    |                   | <i>94.9</i>                               | <i>63.5-145</i> |          |     |              |      |
| <i>Surrogate: Toluene-d8</i>            | <i>48.5</i> |                    | <i>"</i> | <i>50.0</i>    |                   | <i>97.1</i>                               | <i>81.2-127</i> |          |     |              |      |

# YORK

ANALYTICAL LABORATORIES, INC.

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte   | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC<br>Limits | Flag     | RPD      | RPD<br>Limit | Flag |
|---|--------|--------------------|-------|----------------|-------------------|----------------|----------|----------|--------------|------|
| <b>Batch BI20836 - EPA 5030B</b>                  |        |                    |       |                |                   |                |          |          |              |      |
| <b>LCS Dup (BI20836-BSD1)</b>                     |        |                    |       |                |                   |                |          |          |              |      |
| Prepared: 09/21/2012 Analyzed: 09/22/2012         |        |                    |       |                |                   |                |          |          |              |      |
| 1,1,1,2-Tetrachloroethane                         | 52     |                    | ug/L  | 50.0           |                   | 103            | 82.3-130 |          | 3.13         | 21.1 |
| 1,1,1-Trichloroethane                             | 51     |                    | "     | 50.0           |                   | 103            | 75.6-137 |          | 0.626        | 19.7 |
| 1,1,2,2-Tetrachloroethane                         | 52     |                    | "     | 50.0           |                   | 103            | 71.3-131 |          | 9.56         | 20.8 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 56     |                    | "     | 50.0           |                   | 111            | 71.1-129 |          | 0.234        | 21.7 |
| 1,1,2-Trichloroethane                             | 49     |                    | "     | 50.0           |                   | 98.7           | 74.5-129 |          | 1.57         | 20.3 |
| 1,1-Dichloroethane                                | 55     |                    | "     | 50.0           |                   | 110            | 79.6-132 |          | 0.146        | 20.6 |
| 1,1-Dichloroethylene                              | 55     |                    | "     | 50.0           |                   | 110            | 80.2-146 |          | 0.530        | 20   |
| 1,1-Dichloropropylene                             | 52     |                    | "     | 50.0           |                   | 103            | 75-136   |          | 0.856        | 19.3 |
| 1,2,3-Trichlorobenzene                            | 57     |                    | "     | 50.0           |                   | 113            | 66.1-136 |          | 5.73         | 21.6 |
| 1,2,3-Trichloropropane                            | 50     |                    | "     | 50.0           |                   | 99.8           | 63-131   |          | 4.82         | 23.9 |
| 1,2,4-Trichlorobenzene                            | 51     |                    | "     | 50.0           |                   | 102            | 70.6-136 |          | 4.40         | 21.7 |
| 1,2,4-Trimethylbenzene                            | 50     |                    | "     | 50.0           |                   | 100            | 75.3-135 |          | 5.48         | 18.8 |
| 1,2-Dibromo-3-chloropropane                       | 52     |                    | "     | 50.0           |                   | 104            | 58.9-140 |          | 6.79         | 27.7 |
| 1,2-Dibromoethane                                 | 52     |                    | "     | 50.0           |                   | 103            | 79-130   |          | 1.17         | 23   |
| 1,2-Dichlorobenzene                               | 51     |                    | "     | 50.0           |                   | 102            | 76.1-122 |          | 6.51         | 19.8 |
| 1,2-Dichloroethane                                | 51     |                    | "     | 50.0           |                   | 102            | 74.6-132 |          | 0.137        | 20.2 |
| 1,2-Dichloropropane                               | 48     |                    | "     | 50.0           |                   | 96.1           | 76.9-129 |          | 2.85         | 20.7 |
| 1,3,5-Trimethylbenzene                            | 47     |                    | "     | 50.0           |                   | 94.6           | 70.6-127 |          | 4.98         | 18.9 |
| 1,3-Dichlorobenzene                               | 48     |                    | "     | 50.0           |                   | 96.5           | 77-124   |          | 5.98         | 19.2 |
| 1,3-Dichloropropane                               | 49     |                    | "     | 50.0           |                   | 97.8           | 75.8-126 |          | 0.102        | 22.1 |
| 1,4-Dichlorobenzene                               | 50     |                    | "     | 50.0           |                   | 99.3           | 76.6-125 |          | 5.97         | 18.6 |
| 1,4-Dioxane                                       | 12     |                    | "     | 50.0           |                   | 25.0           | 70-130   | Low Bias | 92.3         | 30   |
| 2,2-Dichloropropane                               | 46     |                    | "     | 50.0           |                   | 92.3           | 69-133   |          | 0.413        | 19.8 |
| 2-Butanone  | 49     |                    | "     | 50.0           |                   | 97.3           | 70-130   |          | 4.11         | 30   |
| 2-Chlorotoluene                                   | 45     |                    | "     | 50.0           |                   | 90.7           | 66.3-119 |          | 4.33         | 21.6 |
| 4-Chlorotoluene                                   | 48     |                    | "     | 50.0           |                   | 95.1           | 69.2-127 |          | 4.41         | 19   |
| Acetone   | 58     |                    | "     | 50.0           |                   | 117            | 70-130   |          | 9.87         | 30   |
| Benzene   | 52     |                    | "     | 50.0           |                   | 105            | 76.2-129 |          | 0.249        | 19   |
| Bromobenzene                                      | 47     |                    | "     | 50.0           |                   | 93.6           | 71.3-123 |          | 5.02         | 20.3 |
| Bromochloromethane                                | 52     |                    | "     | 50.0           |                   | 103            | 70.8-137 |          | 0.721        | 23.9 |
| Bromodichloromethane                              | 50     |                    | "     | 50.0           |                   | 99.6           | 79.7-134 |          | 2.44         | 21   |
| Bromoform   | 51     |                    | "     | 50.0           |                   | 102            | 70.5-141 |          | 5.59         | 21.8 |
| Bromomethane                                      | 52     |                    | "     | 50.0           |                   | 104            | 43.9-147 |          | 1.60         | 28.4 |
| Carbon tetrachloride                              | 52     |                    | "     | 50.0           |                   | 104            | 78.1-138 |          | 1.65         | 20.1 |
| Chlorobenzene                                     | 50     |                    | "     | 50.0           |                   | 101            | 80.4-125 |          | 3.47         | 19.9 |
| Chloroethane                                      | 45     |                    | "     | 50.0           |                   | 89.6           | 55.8-140 |          | 0.559        | 23.3 |
| Chloroform  | 53     |                    | "     | 50.0           |                   | 106            | 76.6-133 |          | 1.42         | 20.3 |
| Chloromethane                                     | 40     |                    | "     | 50.0           |                   | 80.5           | 48.8-115 |          | 0.324        | 24.5 |
| cis-1,2-Dichloroethylene                          | 54     |                    | "     | 50.0           |                   | 108            | 75.1-128 |          | 1.42         | 20.5 |
| cis-1,3-Dichloropropylene                         | 48     |                    | "     | 50.0           |                   | 95.9           | 74.5-128 |          | 1.90         | 19.9 |
| Dibromochloromethane                              | 52     |                    | "     | 50.0           |                   | 104            | 79.8-134 |          | 3.14         | 21.3 |
| Dibromomethane                                    | 52     |                    | "     | 50.0           |                   | 103            | 79-130   |          | 2.71         | 22.4 |
| Dichlorodifluoromethane                           | 32     |                    | "     | 50.0           |                   | 64.1           | 47.1-101 |          | 1.00         | 23.9 |
| Ethyl Benzene                                     | 50     |                    | "     | 50.0           |                   | 99.6           | 80.8-128 |          | 2.42         | 19.2 |
| Hexachlorobutadiene                               | 47     |                    | "     | 50.0           |                   | 94.7           | 64.8-128 |          | 5.53         | 20.6 |
| Isopropylbenzene                                  | 50     |                    | "     | 50.0           |                   | 100            | 75.5-135 |          | 3.89         | 20   |
| Methyl tert-butyl ether (MTBE)                    | 63     |                    | "     | 50.0           |                   | 126            | 65.1-140 |          | 1.40         | 23.6 |
| Methylene chloride                                | 51     |                    | "     | 50.0           |                   | 103            | 61.3-120 |          | 0.0390       | 20.4 |
| Naphthalene                                       | 64     |                    | "     | 50.0           |                   | 129            | 62.3-148 |          | 8.90         | 27.1 |
| n-Butylbenzene                                    | 47     |                    | "     | 50.0           |                   | 94.9           | 67.2-123 |          | 4.88         | 19.1 |
| n-Propylbenzene                                   | 47     |                    | "     | 50.0           |                   | 94.1           | 70.5-127 |          | 5.19         | 23.4 |
| o-Xylene  | 48     |                    | "     | 50.0           |                   | 95.9           | 75.9-122 |          | 2.64         | 19.3 |
| p- & m- Xylenes                                   | 98     |                    | "     | 100            |                   | 98.0           | 77.7-127 |          | 2.62         | 18.6 |
| p-Isopropyltoluene                                | 49     |                    | "     | 50.0           |                   | 98.6           | 75.6-129 |          | 5.07         | 19.1 |

# YORK

ANALYTICAL LABORATORIES, INC.

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag | RPD | RPD<br>Limit | Flag |
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|
|---------|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|--------------|------|

### Batch BI20836 - EPA 5030B

| LCS Dup (BI20836-BSD1)                  |             |  |          |             |  |             |                 |          |       |   |
|---|-------------|--|----------|-------------|--|-------------|-----------------|----------|-------|---|
|   |             |  |          |             |  |             |                 |          |       | Prepared: 09/21/2012 Analyzed: 09/22/2012 |
| sec-Butylbenzene                        | 47          |  | ug/L     | 50.0        |  | 95.0        | 71.5-125        |          | 5.43  | 18.9                                      |
| Styrene                                 | 50          |  | "        | 50.0        |  | 100         | 77.8-123        |          | 2.87  | 20.9                                      |
| tert-Butylbenzene                       | 52          |  | "        | 50.0        |  | 103         | 75.9-151        |          | 6.15  | 20.9                                      |
| Tetrachloroethylene                     | 62          |  | "        | 50.0        |  | 125         | 63.6-167        |          | 1.29  | 27.7                                      |
| Toluene                                 | 49          |  | "        | 50.0        |  | 98.4        | 77-123          |          | 2.22  | 18.7                                      |
| trans-1,2-Dichloroethylene              | 58          |  | "        | 50.0        |  | 117         | 76.3-139        |          | 0.412 | 19.5                                      |
| trans-1,3-Dichloropropylene             | 46          |  | "        | 50.0        |  | 92.4        | 72.5-137        |          | 1.55  | 19.3                                      |
| Trichloroethylene                       | 51          |  | "        | 50.0        |  | 102         | 77.9-130        |          | 2.46  | 20.5                                      |
| Trichlorofluoromethane                  | 48          |  | "        | 50.0        |  | 95.3        | 57.4-133        |          | 1.10  | 21.4                                      |
| Vinyl Chloride                          | 42          |  | "        | 50.0        |  | 83.2        | 54.9-124        |          | 1.82  | 22.5                                      |
| Vinyl acetate                           | 13          |  | "        | 50.0        |  | 26.8        | 70-130          | Low Bias | 2.14  | 30  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>51.0</i> |  | <i>"</i> | <i>50.0</i> |  | <i>102</i>  | <i>72.6-129</i> |          |       |   |
| <i>Surrogate: p-Bromofluorobenzene</i>  | <i>48.5</i> |  | <i>"</i> | <i>50.0</i> |  | <i>97.0</i> | <i>63.5-145</i> |          |       |   |
| <i>Surrogate: Toluene-d8</i>            | <i>49.5</i> |  | <i>"</i> | <i>50.0</i> |  | <i>99.0</i> | <i>81.2-127</i> |          |       |   |

### Batch BI20869 - EPA 5030B

| Blank (BI20869-BLK1)                              |    |     |      |  |  |  |  |  |  |                                 |
|---|----|-----|------|--|--|--|--|--|--|---------------------------------|
|   |    |     |      |  |  |  |  |  |  | Prepared & Analyzed: 09/24/2012 |
| 1,1,1,2-Tetrachloroethane                         | ND | 5.0 | ug/L |  |  |  |  |  |  |                                 |
| 1,1,1-Trichloroethane                             | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,1,2,2-Tetrachloroethane                         | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,1,2-Trichloroethane                             | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,1-Dichloroethane                                | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,1-Dichloroethylene                              | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,1-Dichloropropylene                             | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,2,3-Trichlorobenzene                            | ND | 10  | "    |  |  |  |  |  |  |                                 |
| 1,2,3-Trichloropropane                            | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,2,4-Trichlorobenzene                            | ND | 10  | "    |  |  |  |  |  |  |                                 |
| 1,2,4-Trimethylbenzene                            | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,2-Dibromo-3-chloropropane                       | ND | 10  | "    |  |  |  |  |  |  |                                 |
| 1,2-Dibromoethane                                 | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,2-Dichlorobenzene                               | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,2-Dichloroethane                                | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,2-Dichloropropane                               | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,3,5-Trimethylbenzene                            | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,3-Dichlorobenzene                               | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,3-Dichloropropane                               | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,4-Dichlorobenzene                               | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 1,4-Dioxane                                       | ND | 50  | "    |  |  |  |  |  |  |                                 |
| 2,2-Dichloropropane                               | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 2-Butanone  | ND | 10  | "    |  |  |  |  |  |  |                                 |
| 2-Chlorotoluene                                   | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| 4-Chlorotoluene                                   | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| Acetone   | ND | 10  | "    |  |  |  |  |  |  |                                 |
| Benzene   | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| Bromobenzene                                      | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| Bromochloromethane                                | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| Bromodichloromethane                              | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| Bromoforn   | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| Bromomethane                                      | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| Carbon tetrachloride                              | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| Chlorobenzene                                     | ND | 5.0 | "    |  |  |  |  |  |  |                                 |
| Chloroethane                                      | ND | 5.0 | "    |  |  |  |  |  |  |                                 |

# YORK

ANALYTICAL LABORATORIES, INC.

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte                                 | Result      | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC        | %REC<br>Limits  | Flag | RPD | RPD<br>Limit                    | Flag |
|---|-------------|--------------------|-------|----------------|-------------------|-------------|-----------------|------|-----|---------------------------------|------|
| <b>Batch BI20869 - EPA 5030B</b>        |             |                    |       |                |                   |             |                 |      |     |                                 |      |
| <b>Blank (BI20869-BLK1)</b>             |             |                    |       |                |                   |             |                 |      |     | Prepared & Analyzed: 09/24/2012 |      |
| Chloroform                              | ND          | 5.0                | ug/L  |                |                   |             |                 |      |     |                                 |      |
| Chloromethane                           | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| cis-1,2-Dichloroethylene                | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| cis-1,3-Dichloropropylene               | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Dibromochloromethane                    | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Dibromomethane                          | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Dichlorodifluoromethane                 | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Ethyl Benzene                           | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Hexachlorobutadiene                     | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Isopropylbenzene                        | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Methyl tert-butyl ether (MTBE)          | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Methylene chloride                      | ND          | 10                 | "     |                |                   |             |                 |      |     |                                 |      |
| Naphthalene                             | ND          | 10                 | "     |                |                   |             |                 |      |     |                                 |      |
| n-Butylbenzene                          | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| n-Propylbenzene                         | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| o-Xylene                                | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| p- & m- Xylenes                         | ND          | 10                 | "     |                |                   |             |                 |      |     |                                 |      |
| p-Isopropyltoluene                      | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| sec-Butylbenzene                        | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Styrene                                 | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| tert-Butylbenzene                       | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Tetrachloroethylene                     | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Toluene                                 | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| trans-1,2-Dichloroethylene              | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| trans-1,3-Dichloropropylene             | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Trichloroethylene                       | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Trichlorofluoromethane                  | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Vinyl Chloride                          | ND          | 5.0                | "     |                |                   |             |                 |      |     |                                 |      |
| Xylenes, Total                          | ND          | 15                 | "     |                |                   |             |                 |      |     |                                 |      |
| Vinyl acetate                           | ND          | 10                 | "     |                |                   |             |                 |      |     |                                 |      |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>51.2</i> |                    | "     | <i>50.0</i>    |                   | <i>102</i>  | <i>72.6-129</i> |      |     |                                 |      |
| <i>Surrogate: p-Bromofluorobenzene</i>  | <i>45.4</i> |                    | "     | <i>50.0</i>    |                   | <i>90.7</i> | <i>63.5-145</i> |      |     |                                 |      |
| <i>Surrogate: Toluene-d8</i>            | <i>48.9</i> |                    | "     | <i>50.0</i>    |                   | <i>97.7</i> | <i>81.2-127</i> |      |     |                                 |      |

# YORK

ANALYTICAL LABORATORIES, INC.

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

| Analyte   | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC | %REC<br>Limits | Flag      | RPD | RPD<br>Limit | Flag |
|---|--------|--------------------|-------|----------------|-------------------|------|----------------|-----------|-----|--------------|------|
| <b>Batch BI20869 - EPA 5030B</b>                  |        |                    |       |                |                   |      |                |           |     |              |      |
| <b>LCS (BI20869-BS1)</b>                          |        |                    |       |                |                   |      |                |           |     |              |      |
| Prepared & Analyzed: 09/24/2012                   |        |                    |       |                |                   |      |                |           |     |              |      |
| 1,1,1,2-Tetrachloroethane                         | 45     |                    | ug/L  | 50.0           |                   | 90.6 | 82.3-130       |           |     |              |      |
| 1,1,1-Trichloroethane                             | 45     |                    | "     | 50.0           |                   | 89.6 | 75.6-137       |           |     |              |      |
| 1,1,2,2-Tetrachloroethane                         | 44     |                    | "     | 50.0           |                   | 87.0 | 71.3-131       |           |     |              |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 50     |                    | "     | 50.0           |                   | 99.5 | 71.1-129       |           |     |              |      |
| 1,1,2-Trichloroethane                             | 44     |                    | "     | 50.0           |                   | 88.9 | 74.5-129       |           |     |              |      |
| 1,1-Dichloroethane                                | 48     |                    | "     | 50.0           |                   | 97.0 | 79.6-132       |           |     |              |      |
| 1,1-Dichloroethylene                              | 49     |                    | "     | 50.0           |                   | 98.8 | 80.2-146       |           |     |              |      |
| 1,1-Dichloropropylene                             | 45     |                    | "     | 50.0           |                   | 91.0 | 75-136         |           |     |              |      |
| 1,2,3-Trichlorobenzene                            | 47     |                    | "     | 50.0           |                   | 93.8 | 66.1-136       |           |     |              |      |
| 1,2,3-Trichloropropane                            | 41     |                    | "     | 50.0           |                   | 82.5 | 63-131         |           |     |              |      |
| 1,2,4-Trichlorobenzene                            | 45     |                    | "     | 50.0           |                   | 89.8 | 70.6-136       |           |     |              |      |
| 1,2,4-Trimethylbenzene                            | 43     |                    | "     | 50.0           |                   | 86.8 | 75.3-135       |           |     |              |      |
| 1,2-Dibromo-3-chloropropane                       | 44     |                    | "     | 50.0           |                   | 87.3 | 58.9-140       |           |     |              |      |
| 1,2-Dibromoethane                                 | 46     |                    | "     | 50.0           |                   | 91.5 | 79-130         |           |     |              |      |
| 1,2-Dichlorobenzene                               | 43     |                    | "     | 50.0           |                   | 85.5 | 76.1-122       |           |     |              |      |
| 1,2-Dichloroethane                                | 44     |                    | "     | 50.0           |                   | 88.8 | 74.6-132       |           |     |              |      |
| 1,2-Dichloropropane                               | 44     |                    | "     | 50.0           |                   | 88.2 | 76.9-129       |           |     |              |      |
| 1,3,5-Trimethylbenzene                            | 41     |                    | "     | 50.0           |                   | 82.1 | 70.6-127       |           |     |              |      |
| 1,3-Dichlorobenzene                               | 41     |                    | "     | 50.0           |                   | 82.9 | 77-124         |           |     |              |      |
| 1,3-Dichloropropane                               | 44     |                    | "     | 50.0           |                   | 88.4 | 75.8-126       |           |     |              |      |
| 1,4-Dichlorobenzene                               | 43     |                    | "     | 50.0           |                   | 85.4 | 76.6-125       |           |     |              |      |
| 1,4-Dioxane                                       | 80     |                    | "     | 50.0           |                   | 159  | 70-130         | High Bias |     |              |      |
| 2,2-Dichloropropane                               | 45     |                    | "     | 50.0           |                   | 89.7 | 69-133         |           |     |              |      |
| 2-Butanone  | 44     |                    | "     | 50.0           |                   | 87.4 | 70-130         |           |     |              |      |
| 2-Chlorotoluene                                   | 41     |                    | "     | 50.0           |                   | 82.9 | 66.3-119       |           |     |              |      |
| 4-Chlorotoluene                                   | 41     |                    | "     | 50.0           |                   | 82.7 | 69.2-127       |           |     |              |      |
| Acetone   | 40     |                    | "     | 50.0           |                   | 80.6 | 70-130         |           |     |              |      |
| Benzene   | 46     |                    | "     | 50.0           |                   | 91.7 | 76.2-129       |           |     |              |      |
| Bromobenzene                                      | 40     |                    | "     | 50.0           |                   | 80.0 | 71.3-123       |           |     |              |      |
| Bromochloromethane                                | 46     |                    | "     | 50.0           |                   | 91.8 | 70.8-137       |           |     |              |      |
| Bromodichloromethane                              | 45     |                    | "     | 50.0           |                   | 89.8 | 79.7-134       |           |     |              |      |
| Bromoform   | 43     |                    | "     | 50.0           |                   | 85.4 | 70.5-141       |           |     |              |      |
| Bromomethane                                      | 51     |                    | "     | 50.0           |                   | 103  | 43.9-147       |           |     |              |      |
| Carbon tetrachloride                              | 45     |                    | "     | 50.0           |                   | 90.4 | 78.1-138       |           |     |              |      |
| Chlorobenzene                                     | 45     |                    | "     | 50.0           |                   | 89.9 | 80.4-125       |           |     |              |      |
| Chloroethane                                      | 45     |                    | "     | 50.0           |                   | 89.3 | 55.8-140       |           |     |              |      |
| Chloroform  | 46     |                    | "     | 50.0           |                   | 92.5 | 76.6-133       |           |     |              |      |
| Chloromethane                                     | 43     |                    | "     | 50.0           |                   | 86.5 | 48.8-115       |           |     |              |      |
| cis-1,2-Dichloroethylene                          | 47     |                    | "     | 50.0           |                   | 94.8 | 75.1-128       |           |     |              |      |
| cis-1,3-Dichloropropylene                         | 46     |                    | "     | 50.0           |                   | 91.7 | 74.5-128       |           |     |              |      |
| Dibromochloromethane                              | 46     |                    | "     | 50.0           |                   | 92.0 | 79.8-134       |           |     |              |      |
| Dibromomethane                                    | 47     |                    | "     | 50.0           |                   | 94.6 | 79-130         |           |     |              |      |
| Dichlorodifluoromethane                           | 42     |                    | "     | 50.0           |                   | 83.3 | 47.1-101       |           |     |              |      |
| Ethyl Benzene                                     | 45     |                    | "     | 50.0           |                   | 90.2 | 80.8-128       |           |     |              |      |
| Hexachlorobutadiene                               | 41     |                    | "     | 50.0           |                   | 82.2 | 64.8-128       |           |     |              |      |
| Isopropylbenzene                                  | 43     |                    | "     | 50.0           |                   | 86.9 | 75.5-135       |           |     |              |      |
| Methyl tert-butyl ether (MTBE)                    | 55     |                    | "     | 50.0           |                   | 110  | 65.1-140       |           |     |              |      |
| Methylene chloride                                | 44     |                    | "     | 50.0           |                   | 88.6 | 61.3-120       |           |     |              |      |
| Naphthalene                                       | 50     |                    | "     | 50.0           |                   | 100  | 62.3-148       |           |     |              |      |
| n-Butylbenzene                                    | 37     |                    | "     | 50.0           |                   | 74.9 | 67.2-123       |           |     |              |      |
| n-Propylbenzene                                   | 41     |                    | "     | 50.0           |                   | 81.9 | 70.5-127       |           |     |              |      |
| o-Xylene  | 43     |                    | "     | 50.0           |                   | 86.5 | 75.9-122       |           |     |              |      |
| p- & m- Xylenes                                   | 90     |                    | "     | 100            |                   | 90.0 | 77.7-127       |           |     |              |      |
| p-Isopropyltoluene                                | 43     |                    | "     | 50.0           |                   | 85.7 | 75.6-129       |           |     |              |      |



# YORK

ANALYTICAL LABORATORIES, INC.

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte   | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC<br>Limits                  | Flag     | RPD       | RPD<br>Limit | Flag |
|---|--------|--------------------|-------|----------------|-------------------|---------------------------------|----------|-----------|--------------|------|
| <b>Batch BI20869 - EPA 5030B</b>                  |        |                    |       |                |                   |                                 |          |           |              |      |
| <b>LCS (BI20869-BS1)</b>                          |        |                    |       |                |                   | Prepared & Analyzed: 09/24/2012 |          |           |              |      |
| sec-Butylbenzene                                  | 41     |                    | ug/L  | 50.0           |                   | 81.4                            | 71.5-125 |           |              |      |
| Styrene   | 45     |                    | "     | 50.0           |                   | 89.1                            | 77.8-123 |           |              |      |
| tert-Butylbenzene                                 | 45     |                    | "     | 50.0           |                   | 90.6                            | 75.9-151 |           |              |      |
| Tetrachloroethylene                               | 48     |                    | "     | 50.0           |                   | 95.8                            | 63.6-167 |           |              |      |
| Toluene   | 45     |                    | "     | 50.0           |                   | 89.6                            | 77-123   |           |              |      |
| trans-1,2-Dichloroethylene                        | 53     |                    | "     | 50.0           |                   | 106                             | 76.3-139 |           |              |      |
| trans-1,3-Dichloropropylene                       | 44     |                    | "     | 50.0           |                   | 87.6                            | 72.5-137 |           |              |      |
| Trichloroethylene                                 | 46     |                    | "     | 50.0           |                   | 91.9                            | 77.9-130 |           |              |      |
| Trichlorofluoromethane                            | 45     |                    | "     | 50.0           |                   | 90.6                            | 57.4-133 |           |              |      |
| Vinyl Chloride                                    | 43     |                    | "     | 50.0           |                   | 85.1                            | 54.9-124 |           |              |      |
| Vinyl acetate                                     | 13     |                    | "     | 50.0           |                   | 25.4                            | 70-130   | Low Bias  |              |      |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>           | 48.9   |                    | "     | 50.0           |                   | 97.8                            | 72.6-129 |           |              |      |
| <i>Surrogate: p-Bromofluorobenzene</i>            | 46.6   |                    | "     | 50.0           |                   | 93.3                            | 63.5-145 |           |              |      |
| <i>Surrogate: Toluene-d8</i>                      | 48.6   |                    | "     | 50.0           |                   | 97.2                            | 81.2-127 |           |              |      |
| <b>LCS Dup (BI20869-BS1)</b>                      |        |                    |       |                |                   | Prepared & Analyzed: 09/24/2012 |          |           |              |      |
| 1,1,1,2-Tetrachloroethane                         | 44     |                    | ug/L  | 50.0           |                   | 87.7                            | 82.3-130 |           | 3.19         | 21.1 |
| 1,1,1-Trichloroethane                             | 45     |                    | "     | 50.0           |                   | 89.6                            | 75.6-137 |           | 0.0446       | 19.7 |
| 1,1,2,2-Tetrachloroethane                         | 40     |                    | "     | 50.0           |                   | 80.1                            | 71.3-131 |           | 8.26         | 20.8 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 50     |                    | "     | 50.0           |                   | 99.0                            | 71.1-129 |           | 0.423        | 21.7 |
| 1,1,2-Trichloroethane                             | 42     |                    | "     | 50.0           |                   | 83.7                            | 74.5-129 |           | 6.03         | 20.3 |
| 1,1-Dichloroethane                                | 48     |                    | "     | 50.0           |                   | 96.3                            | 79.6-132 |           | 0.704        | 20.6 |
| 1,1-Dichloroethylene                              | 49     |                    | "     | 50.0           |                   | 97.6                            | 80.2-146 |           | 1.22         | 20   |
| 1,1-Dichloropropylene                             | 46     |                    | "     | 50.0           |                   | 91.0                            | 75-136   |           | 0.0440       | 19.3 |
| 1,2,3-Trichlorobenzene                            | 47     |                    | "     | 50.0           |                   | 94.5                            | 66.1-136 |           | 0.701        | 21.6 |
| 1,2,3-Trichloropropane                            | 39     |                    | "     | 50.0           |                   | 78.0                            | 63-131   |           | 5.63         | 23.9 |
| 1,2,4-Trichlorobenzene                            | 45     |                    | "     | 50.0           |                   | 90.5                            | 70.6-136 |           | 0.754        | 21.7 |
| 1,2,4-Trimethylbenzene                            | 43     |                    | "     | 50.0           |                   | 86.4                            | 75.3-135 |           | 0.531        | 18.8 |
| 1,2-Dibromo-3-chloropropane                       | 40     |                    | "     | 50.0           |                   | 80.8                            | 58.9-140 |           | 7.73         | 27.7 |
| 1,2-Dibromoethane                                 | 44     |                    | "     | 50.0           |                   | 87.8                            | 79-130   |           | 4.10         | 23   |
| 1,2-Dichlorobenzene                               | 43     |                    | "     | 50.0           |                   | 85.1                            | 76.1-122 |           | 0.469        | 19.8 |
| 1,2-Dichloroethane                                | 43     |                    | "     | 50.0           |                   | 86.5                            | 74.6-132 |           | 2.72         | 20.2 |
| 1,2-Dichloropropane                               | 43     |                    | "     | 50.0           |                   | 85.1                            | 76.9-129 |           | 3.58         | 20.7 |
| 1,3,5-Trimethylbenzene                            | 41     |                    | "     | 50.0           |                   | 82.6                            | 70.6-127 |           | 0.631        | 18.9 |
| 1,3-Dichlorobenzene                               | 41     |                    | "     | 50.0           |                   | 81.9                            | 77-124   |           | 1.26         | 19.2 |
| 1,3-Dichloropropane                               | 42     |                    | "     | 50.0           |                   | 84.3                            | 75.8-126 |           | 4.84         | 22.1 |
| 1,4-Dichlorobenzene                               | 42     |                    | "     | 50.0           |                   | 84.3                            | 76.6-125 |           | 1.25         | 18.6 |
| 1,4-Dioxane                                       | 68     |                    | "     | 50.0           |                   | 136                             | 70-130   | High Bias | 15.5         | 30   |
| 2,2-Dichloropropane                               | 44     |                    | "     | 50.0           |                   | 88.9                            | 69-133   |           | 0.896        | 19.8 |
| 2-Butanone  | 39     |                    | "     | 50.0           |                   | 79.0                            | 70-130   |           | 10.1         | 30   |
| 2-Chlorotoluene                                   | 41     |                    | "     | 50.0           |                   | 82.8                            | 66.3-119 |           | 0.0724       | 21.6 |
| 4-Chlorotoluene                                   | 41     |                    | "     | 50.0           |                   | 82.8                            | 69.2-127 |           | 0.0242       | 19   |
| Acetone   | 35     |                    | "     | 50.0           |                   | 70.0                            | 70-150   |           | 14.1         | 30   |
| Benzene   | 46     |                    | "     | 50.0           |                   | 91.3                            | 76.2-129 |           | 0.437        | 19   |
| Bromobenzene                                      | 40     |                    | "     | 50.0           |                   | 79.7                            | 71.3-123 |           | 0.401        | 20.3 |
| Bromochloromethane                                | 45     |                    | "     | 50.0           |                   | 89.5                            | 70.8-137 |           | 2.51         | 23.9 |
| Bromodichloromethane                              | 43     |                    | "     | 50.0           |                   | 86.3                            | 79.7-134 |           | 3.97         | 21   |
| Bromoform   | 40     |                    | "     | 50.0           |                   | 80.8                            | 70.5-141 |           | 5.58         | 21.8 |
| Bromomethane                                      | 51     |                    | "     | 50.0           |                   | 101                             | 43.9-147 |           | 1.45         | 28.4 |
| Carbon tetrachloride                              | 45     |                    | "     | 50.0           |                   | 89.9                            | 78.1-138 |           | 0.532        | 20.1 |
| Chlorobenzene                                     | 44     |                    | "     | 50.0           |                   | 88.5                            | 80.4-125 |           | 1.57         | 19.9 |
| Chloroethane                                      | 44     |                    | "     | 50.0           |                   | 88.2                            | 55.8-140 |           | 1.19         | 23.3 |
| Chloroform  | 46     |                    | "     | 50.0           |                   | 91.5                            | 76.6-133 |           | 1.07         | 20.3 |
| Chloromethane                                     | 43     |                    | "     | 50.0           |                   | 85.1                            | 48.8-115 |           | 1.61         | 24.5 |

# YORK

ANALYTICAL LABORATORIES, INC.

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte                                 | Result | Reporting<br>Limit | Units | Spike<br>Level | Source*<br>Result | %REC<br>Limits | Flag     | RPD      | RPD<br>Limit | Flag |
|---|--------|--------------------|-------|----------------|-------------------|----------------|----------|----------|--------------|------|
| <b>Batch BI20869 - EPA 5030B</b>        |        |                    |       |                |                   |                |          |          |              |      |
| <b>LCS Dup (BI20869-BSD1)</b>           |        |                    |       |                |                   |                |          |          |              |      |
| Prepared & Analyzed: 09/24/2012         |        |                    |       |                |                   |                |          |          |              |      |
| cis-1,2-Dichloroethylene                | 47     |                    | ug/L  | 50.0           |                   | 93.1           | 75.1-128 |          | 1.72         | 20.5 |
| cis-1,3-Dichloropropylene               | 44     |                    | "     | 50.0           |                   | 88.0           | 74.5-128 |          | 4.16         | 19.9 |
| Dibromochloromethane                    | 44     |                    | "     | 50.0           |                   | 88.2           | 79.8-134 |          | 4.15         | 21.3 |
| Dibromomethane                          | 45     |                    | "     | 50.0           |                   | 90.2           | 79-130   |          | 4.76         | 22.4 |
| Dichlorodifluoromethane                 | 42     |                    | "     | 50.0           |                   | 83.4           | 47.1-101 |          | 0.0480       | 23.9 |
| Ethyl Benzene                           | 45     |                    | "     | 50.0           |                   | 89.3           | 80.8-128 |          | 0.936        | 19.2 |
| Hexachlorobutadiene                     | 42     |                    | "     | 50.0           |                   | 83.7           | 64.8-128 |          | 1.76         | 20.6 |
| Isopropylbenzene                        | 44     |                    | "     | 50.0           |                   | 87.3           | 75.5-135 |          | 0.413        | 20   |
| Methyl tert-butyl ether (MTBE)          | 52     |                    | "     | 50.0           |                   | 105            | 65.1-140 |          | 5.04         | 23.6 |
| Methylene chloride                      | 38     |                    | "     | 50.0           |                   | 76.9           | 61.3-120 |          | 14.2         | 20.4 |
| Naphthalene                             | 49     |                    | "     | 50.0           |                   | 98.0           | 62.3-148 |          | 1.98         | 27.1 |
| n-Butylbenzene                          | 38     |                    | "     | 50.0           |                   | 76.0           | 67.2-123 |          | 1.48         | 19.1 |
| n-Propylbenzene                         | 41     |                    | "     | 50.0           |                   | 82.3           | 70.5-127 |          | 0.536        | 23.4 |
| o-Xylene                                | 43     |                    | "     | 50.0           |                   | 85.2           | 75.9-122 |          | 1.54         | 19.3 |
| p- & m- Xylenes                         | 88     |                    | "     | 100            |                   | 88.2           | 77.7-127 |          | 1.93         | 18.6 |
| p-Isopropyltoluene                      | 43     |                    | "     | 50.0           |                   | 86.4           | 75.6-129 |          | 0.790        | 19.1 |
| sec-Butylbenzene                        | 41     |                    | "     | 50.0           |                   | 82.9           | 71.5-125 |          | 1.85         | 18.9 |
| Styrene                                 | 44     |                    | "     | 50.0           |                   | 87.6           | 77.8-123 |          | 1.72         | 20.9 |
| tert-Butylbenzene                       | 45     |                    | "     | 50.0           |                   | 90.6           | 75.9-151 |          | 0.0442       | 20.9 |
| Tetrachloroethylene                     | 46     |                    | "     | 50.0           |                   | 91.4           | 63.6-167 |          | 4.66         | 27.7 |
| Toluene                                 | 44     |                    | "     | 50.0           |                   | 88.0           | 77-123   |          | 1.85         | 18.7 |
| trans-1,2-Dichloroethylene              | 52     |                    | "     | 50.0           |                   | 104            | 76.3-139 |          | 1.26         | 19.5 |
| trans-1,3-Dichloropropylene             | 42     |                    | "     | 50.0           |                   | 83.1           | 72.5-137 |          | 5.27         | 19.3 |
| Trichloroethylene                       | 45     |                    | "     | 50.0           |                   | 90.1           | 77.9-130 |          | 1.96         | 20.5 |
| Trichlorofluoromethane                  | 45     |                    | "     | 50.0           |                   | 89.7           | 57.4-133 |          | 0.999        | 21.4 |
| Vinyl Chloride                          | 42     |                    | "     | 50.0           |                   | 84.3           | 54.9-124 |          | 0.944        | 22.3 |
| Vinyl acetate                           | 12     |                    | "     | 50.0           |                   | 23.7           | 70-130   | Low Bias | 6.85         | 30   |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 47.2   |                    | "     | 50.0           |                   | 94.4           | 72.6-129 |          |              |      |
| <i>Surrogate: p-Bromofluorobenzene</i>  | 46.9   |                    | "     | 50.0           |                   | 93.8           | 63.5-145 |          |              |      |
| <i>Surrogate: Toluene-d8</i>            | 48.3   |                    | "     | 50.0           |                   | 96.6           | 81.2-127 |          |              |      |

# YORK

ANALYTICAL LABORATORIES, INC.

## Notes and Definitions

- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
- 
- ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

---

# YORK

ANALYTICAL LABORATORIES, INC.  
120 RESEARCH DR. STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

# Field Chain-of-Custody Record

Page 1 of 1

York Project No. 1210587

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

|  |  |   |  |  |  |  |  |  |  |  |  |
|--|--|---|--|--|--|--|--|--|--|--|--|
| <b>YOUR INFORMATION</b><br>Company: <u>FPM Group</u><br>Address: <u>909 Macconi Ave</u><br><u>Ronkonkoma, NY 11779</u><br>Phone No. <u>631-737-6200</u><br>Contact Person: <u>John Bukoski</u><br>E-Mail Address: <u>j.bukoski@fpm-group.com</u> |  | <b>Report To:</b><br>Company: <u>same</u><br>Address: _____<br>Phone No. _____<br>Attention: _____<br>E-Mail Address: _____ |  | <b>Invoice To:</b><br>Company: <u>same</u><br>Address: _____<br>Phone No. _____<br>Attention: _____<br>E-Mail Address: _____ |  | <b>YOUR PROJECT ID</b><br><u>Maggio</u><br>Purchase Order No. <u>894-06-01</u><br><u>894-06-01</u> |  | <b>Turn-Around Time</b><br>RUSH - Same Day <input type="checkbox"/><br>RUSH - Next Day <input type="checkbox"/><br>RUSH - Two Day <input type="checkbox"/><br>RUSH - Three Day <input type="checkbox"/><br>RUSH - Four Day <input type="checkbox"/><br>Standard (5-7 Days) <input checked="" type="checkbox"/> |  | <b>Report Type</b><br>Summary Report <input checked="" type="checkbox"/><br>Summary w/ QA Summary <input type="checkbox"/><br>CT RCP Package <input type="checkbox"/><br>CT RCP DQA/DUE Pkg <input type="checkbox"/><br>NY ASP A Package <input type="checkbox"/><br>NY ASP B Package <input type="checkbox"/><br>NI DEP Red. Deliv. <input type="checkbox"/><br><i>Economic Data Deliverables (EDD)</i> |  |
|--|--|---|--|--|--|--|--|--|--|--|--|

|   |  |   |  |  |  |   |  |  |  |   |  |
|---|--|---|--|--|--|---|--|--|--|---|--|
| <b>Volatiles</b><br>8260 full<br>624<br>STARS list<br>BTEX<br>MTBE<br>TCL list<br>TAGM list<br>CT RCP list<br>Arom. only<br>Halog. only<br>App. IX list<br>8021B list |  | <b>Semi-Vols./Pest/CPH/Herb</b><br>8270 or 625<br>STARS list<br>BN Only<br>Acids Only<br>PAH list<br>TAGM list<br>CT RCP list<br>NIDEP list<br>App. IX<br>Site Spec.<br>SLP or TCLP<br>TCLP Pest<br>TCLP Herb<br>TCLP BNA<br>608 Pest<br>SLP or TCLP<br>608 PCB |  | <b>Metals</b><br>RCRA8<br>PPI3 list<br>TAL<br>CT15 list<br>TAGM list<br>NIDEP list<br>Total<br>Dissolved<br>SLP or TCLP<br>Lead, Manganese<br>LIST Below |  | <b>Misc. Org.</b><br>TPH GRO<br>TPH DRO<br>CT ETPH<br>NY 310-13<br>TPH 1664<br>Air TO14A<br>Air TO15<br>Air STARS<br>Air VPH<br>Air TICs<br>Methane<br>Helium |  | <b>Full Lists</b><br>Pri. Poll.<br>TCL Organics<br>TAL Me/CN<br>Full TCLP<br>Full App. IX<br>Part 360-Residue<br>Part 360-Residue<br>Part 360-Residue<br>Full List<br>NYDEP-Residue<br>NYDEP-Residue<br>TAGM<br>Silica |  | <b>Misc.</b><br>Conductivity<br>Reactivity<br>Ignitability<br>Flash Point<br>Sieve Anal.<br>Heteroatoms<br>TOX<br>BTU/lb.<br>Aquatic Tox.<br>TOC<br>NYDEP-Residue<br>Asbestos<br>Silica |  |
|---|--|---|--|--|--|---|--|--|--|---|--|

**Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the full chain of custody will not be provided until any questions by York are resolved.**

John S Bukoski  
 Samples Collected/Authorized By (Signature)  
John S Bukoski  
 Name (printed)

| Sample Identification | Date Sampled | Sample Matrix | Choose Analyses Needed from the Menu Above and Enter Below | Container Description(s) |
|-----------------------|--------------|---------------|--|--------------------------|
| MW-1                  | 9/17/12      | GW            | 8260 Full VOCs   | (2) 40 ml HCL            |
| MW-2S                 | ↓            | ↓             | ↓  | ↓                        |
| MW-2I                 | ↓            | ↓             | ↓  | ↓                        |
| MW-2D                 | ↓            | ↓             | ↓  | ↓                        |

|  |  |  |  |  |  |   |  |
|--|--|--|--|--|--|---|--|
| <b>Comments</b><br>Preservation <input type="checkbox"/><br>Check these Applicable Special Instructions<br>Field Filtered <input type="checkbox"/><br>Lab to Filter <input type="checkbox"/> |  | 4°C <input type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> NaOH <input type="checkbox"/><br>ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other <input type="checkbox"/> |  | Date/Time <u>9/18/12 12:22 pm</u><br>Samples Relinquished By <u>John S Bukoski</u><br>Date/Time <u>9/18/12-1630</u><br>Samples Received In LAB by <u>John S Bukoski</u><br>Date/Time <u>9/18/12-1630</u> |  | Temperature <u>4.3</u> °C<br>On Receipt |  |
|--|--|--|--|--|--|---|--|