**GANNETT FLEMING ENGINEERS, P.C.**
100 Crossways Park Drive West
Suite 300
Woodbury, NY 11797

**Office: (516) 671-4140**
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October 22, 2013
Project # 53319.008

Ainura Doronova, Environmental Engineer 1
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, NY 11101-5407

Re: Third Quarterly Post-Remediation Performance Monitoring Letter Report
NYSDEC Spill No. 1100020
Cooper Tank and Welding Corporation
225 Moore Street, Brooklyn, NY

Dear Ms. Doronova:

As per the 8/13/13 NYSDEC request, Gannett Fleming Engineers, P.C. (GF), on behalf of Cooper Tank and Welding Corporation (Cooper), has prepared this Third Quarterly Post-Remediation Performance Monitoring Letter Report (Final Report) to document the groundwater analytical results from the quarterly groundwater sampling event that took place on 9/25/2013. The report presents an evaluation of the concentration trends of Constituents of Concern (COC's) at Cooper, 225 Moore Street, Brooklyn, New York (the "Site"), following completion of the remedial injection program implemented from September 17 through September 28, 2012. Performance monitoring was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Action Work Plan (RAWP) dated May, 2012 and the letter from NYSDEC, dated 8/13/2013, requesting additional monitoring.

**Background Summary- Baseline Analysis and Remedial Injection**

Groundwater samples were collected from four on-site monitoring wells (MW-SE-7, MW-SE-9, MW-SE-11, and MW-SE-12) and off-site MW-SE-8 on the sidewalk to the east of Lot 47 and laboratory analyzed for the volatile organic compounds (VOC) listed in Table 2 of CP-51 SCG, by USEPA Method 8260. This analysis provides a baseline to determine the effectiveness of the remedy. Baseline groundwater sampling was performed on August 7, 2012 and all analytical results from the baseline analysis were transmitted electronically on August 29, 2012 to NYSDEC. Reported analytical concentrations from the August 7, 2012 baseline groundwater sampling are summarized in Table 1.

The NYSDEC approved remedial action consisted of the subsurface injection of 2,400 gallons of RegenOx solution and 1,150 gallons of ORC® Advanced solution via 45+ injection points that required extensive hand-clearing due to safety considerations in a complex and cumbersome utility grid. This remedy was successfully implemented to the best practicable extent and applied in accordance with manufacturer's specifications.

Figure 1 illustrates the injection program completed on Site, as detailed in the November 14, 2012 Status Report previously transmitted to NYSDEC.

**Performance Monitoring Summary**

As detailed in the RAWP, performance monitoring was conducted to evaluate the effectiveness of the remedial action described above. The first quarterly performance monitoring event was conducted on January 8, 2013, approximately three months after completion of the remedial injection event. The second quarterly performance monitoring event was conducted on April 18, 2013, approximately six months after completion of the remedial injection event. As per the request of NYSDEC (8/13/13), a third quarterly performance monitoring event was conducted on September 25, 2013, approximately eleven months after completion of the remedial injection. Groundwater samples during the 1/8/2013 and 4/18/2013 groundwater monitoring events were collected from the four on-site monitoring wells (MW-SE-7, MW-SE-9, MW-SE-11, and MW-SE-12) and off-site MW-SE-8. As requested by NYSDEC, groundwater samples during the 9/25/2013 groundwater monitoring event were collected from two on-site monitoring wells (MW-SE-7 and MW-SE-9) and off-site monitoring wells MW-SE-6 and MW-SE-8. Groundwater samples were laboratory analyzed for the volatile organic compounds (VOCs) listed in Table 2 of CP-51 SCG, by USEPA Method 8260. Free product had not been detected on or off-site in any of the historical investigations conducted by GF, was not detected during baseline sampling, and was not detected during the three post-remedial groundwater monitoring events.

Groundwater results from all three quarterly monitoring events and the baseline sampling event are presented and summarized in Table 1. Analytical results were compared to the concentrations of VOCs measured in the August 7, 2012 baseline analysis. The full laboratory report for the most recent 9/25/2013 event is included as Attachment 1. The full laboratory report from the previous sampling events was transmitted to NYSDEC during submittal of the Final Quarterly Groundwater Monitoring Letter Report dated June 7, 2013.

**Post-Remedial Data Evaluation**

As detailed in Table 1, post-remedial groundwater data supports the following conclusions:

- Groundwater analytical results from MW-SE-7 within the primary Area Of Concern (AOC-1) demonstrate a 90% reduction in Benzene (3,300 µg/L in August 2012 to 330 µg/L in September 2013), 96% reduction in Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX) compounds (11,290 µg/L in August 2012 to 411 µg/L in September 2013), and 97% reduction in total VOCs (14,746 µg/L in August 2012 to 440 µg/L in September 2013).

- Groundwater analytical results from on-site monitoring wells required for sampling during the 9/25/2013 monitoring event (MW-SE-7 and MW-SE-9) representing AOC-1 and AOC-2 demonstrate a 90% reduction in Benzene (3,440 µg/L in August 2012 to 356 µg/L in September 2013), 96% reduction in BTEX compounds (11,458 µg/L in August 2012 to 437

µg/L in September 2013), and 97% reduction in total measured VOCs (15,290 µg/L in August 2012 to 488 µg/L in September 2013).

- Groundwater analytical results in April 2013 from offsite monitoring well MW-SE-8 demonstrated a 19% reduction in Benzene (700 µg/L in August 2012 to 570 µg/L in April 2013), 21% reduction in BTEX compounds (1,041 µg/L in August 2012 to 827 µg/L in April 2013), and 28% reduction in total measured VOCs (1,972 µg/L in August 2012 to 1,425 µg/L in April 2013). During the latest September 2013 event, groundwater analytical results from offsite well MW-SE-8 demonstrated an increase from the August 2012 baseline sampling event in total BTEX compounds (398%), total measured VOCs (192%), and Benzene (386%).

**Conclusions and Recommendations**

The groundwater data presented herein demonstrates that the injection strategy was successful in substantially reducing target Constituents of Concern (COC's) on site. Furthermore, documentation presented from previous investigations conducted by GF on behalf of Cooper and current groundwater analytical data from offsite well MW-SE-8 provide evidence of an offsite source of petroleum contamination, not yet remediated, that continues to impact groundwater quality on White Street adjacent to Cooper. Cooper has demonstrated that other than the Sanborn map illustrating a pre-1981 historical presence of an UST no such petroleum source exists on its property nor has Cooper ever stored/used gasoline since their property ownership.

As requested by NYSDEC, GF will complete a fourth quarterly post-remedial groundwater sampling event in approximately three months.

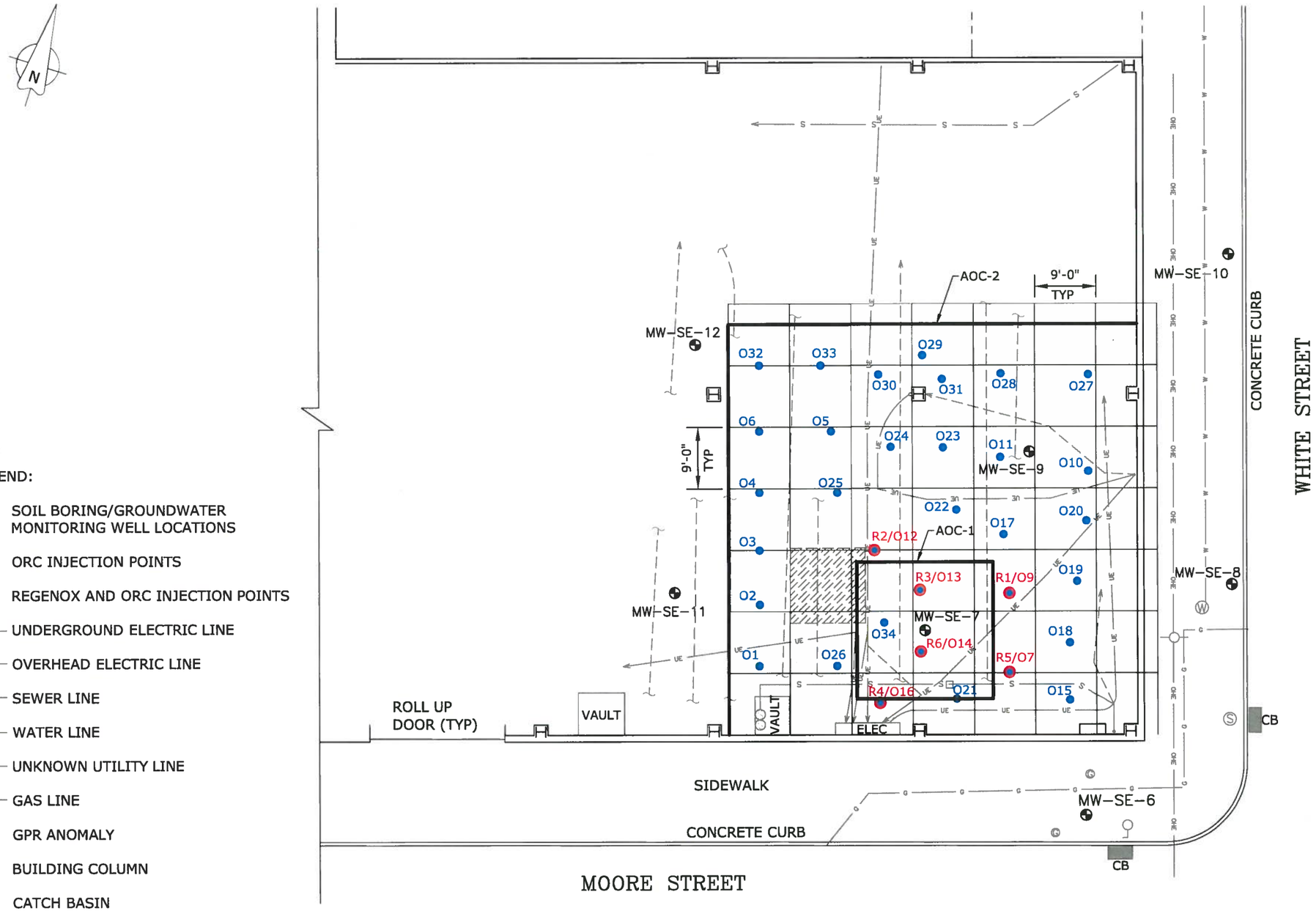
We are available at your convenience to further discuss these findings and conclusions. Please contact us if you have any questions or require further clarification.

Very truly yours,

GANNETT FLEMING ENGINEERS, P.C.

VINCENT FRISINA, P.E.
Vice President/Director of Environmental Services

cc: David Hillcoat – Cooper Tank and Welding Corp.
F. Inyard, P.E. (GF)




LEGEND:

- SOIL BORING/GROUNDWATER MONITORING WELL LOCATIONS
- O1 ORC INJECTION POINTS
- REGENOX AND ORC INJECTION POINTS
- UE UNDERGROUND ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- S SEWER LINE
- W WATER LINE
- UNKNOWN UTILITY LINE
- G GAS LINE
- GPR ANOMALY
- BUILDING COLUMN
- CB CATCH BASIN
- ELEC ELECTRIC PANEL
- STREET LIGHT
- AOC AREA OF CONCERN

0 8 32

SCALE: 1/16" = 1'-0"

# REMEDIAL INJECTION POINTS

COOPER TANK & WELDING CORP.
225 MOORE STREET, BROOKLYN, NY

**TABLE 1**
**SUMMARY OF WATER SAMPLE RESULTS**
**CP-51 LIST VOLATILE ORGANIC COMPOUNDS**

**COOPER TANK**
**225 MOORE STREET**
**BROOKLYN, NEW YORK**

| SAMPLE ID | MW SE-11 | | MW SE-11 | | MW SE-11 | | MW SE-6 | | MW SE-9 | | MW SE-9 | | MW SE-9 | | MW SE-9 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLE TYPE | Water | | Water | | Water | | Water | | Water | | Water | | Water | | Water | |
| SAMPLE DATE | 8/7/2012 | | 1/8/2013 | | 4/18/2013 | | 9/25/2013 | | 8/7/2012 | | 1/8/2013 | | 4/18/2013 | | 9/25/2013 | |
| GC/MS VOA (ppb) - 8260B | | | | | | | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 4.8 | | 1.1 | | 1.0 | U | 13 | | 2.1 | | 67 | | 10 | U | 2.2 | |
| 1,3,5-Trimethylbenzene | 1.6 | | 1.0 | U | 1.0 | U | 3.2 | | 1.3 | | 27 | | 11 | | 2 | U |
| Benzene | 80 | | 17 | | 22 | | 17 | | 140 | | 160 | | 10 | U | 26 | |
| Ethylbenzene | 3.8 | | 1.0 | U | 1.0 | U | 11 | | 11 | | 48 | | 10 | U | 2 | U |
| Isopropylbenzene | 3.2 | | 1.2 | | 1.3 | | 10 | | 110 | | 130 | | 10 | U | 4.5 | |
| m+p Xylene | 13 | | 3.2 | | 3.4 | | 24 | | 7.6 | | 66 | | 20 | U | 4 | U |
| Methyl tert-Butyl Ether | 0.35 | U | 1.0 | U | 1.0 | U | 2 | U | 0.35 | U | 10 | U | 10 | U | 2 | U |
| Naphthalene | 1.1 | | 2 | U | 2.0 | U | 9.5 | | 3.6 | | 58 | | 20 | U | 7.7 | |
| n-Butylbenzene | 0.71 | J | 1.0 | U | 1.0 | U | 3.9 | | 39 | | 160 | | 10 | U | 2.2 | |
| n-Propylbenzene | 4.1 | | 1.2 | | 1.2 | | 19 | | 190 | | 360 | | 10 | U | 5.5 | |
| o-Xylene | 2.4 | | 1.0 | U | 1.0 | U | 6.3 | | 2.7 | | 13 | | 10 | U | 2 | U |
| p-Isopropyltoluene | 0.43 | U | 1.0 | U | 1.0 | U | 2 | U | 0.88 | J | 10 | U | 10 | U | 2 | U |
| sec-Butylbenzene | 0.46 | U | 1.0 | U | 1.0 | U | 2.3 | | 28 | | 78 | | 10 | U | 2 | U |
| tert-Butylbenzene | 0.44 | U | 1.0 | U | 1.0 | U | 2 | U | 1.7 | | 10 | U | 10 | U | 2 | U |
| Toluene | 4.1 | | 1.0 | U | 1.0 | U | 3.1 | | 6.7 | | 24 | | 10 | U | 2 | U |
| Total BTEX | 103.3 | | 20.2 | | 25.4 | | 61.4 | | 168 | | 311 | | 0 | | 26 | |
| TOTAL VOCs | 118.1 | | 23.7 | | 27.9 | | 122.3 | | 543.7 | | 1191 | | 11 | | 48.1 | |

| SAMPLE ID | MW SE-12 | | MW SE-12 | | MW SE-12 | | MW SE-7 | | MW SE-7 | | MW SE-7 | | MW SE-7 | | MW SE-8 | | MW SE-8 | | MW SE-8 | | SITE TOTAL | SITE TOTAL | SITE TOTAL | SITE TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLE TYPE | Water | | Water | | Water | | Water | | Water | | Water | | Water | | Water | | Water | | Water | | Water | Water | Water | Water |
| SAMPLE DATE | 8/7/2012 | | 1/8/2013 | | 4/18/2013 | | 8/7/2012 | | 1/8/2013 | | 4/18/2013 | | 9/25/2013 | | 8/7/2012 | | 1/8/2013 | | 4/18/2013 | | 9/25/2013 | 8/7/2012 | 1/8/2013 | 4/18/2013 | 9/25/2013 |
| GC/MS VOA (ppb) - 8260B | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 4.5 | | 1.0 | U | 1.0 | U | 2000 | D | 480 | | 1000 | | 11.0 | | 500 | D | 220 | | 220 | | 280.0 | | | | |
| 1,3,5-Trimethylbenzene | 1.5 | | 1.0 | U | 1.0 | U | 540 | D | 110 | | 370 | | 2.8 | | 71 | | 49 | | 52 | | 68.0 | | | | |
| Benzene | 77 | | 1.0 | U | 1.0 | U | 3300 | D | 1700 | | 1700 | | 330.0 | | 700 | D | 450 | | 570 | | 3400.0 | 3597 | 1877 | 1722 | 356.0 |
| Ethylbenzene | 3.6 | | 1.0 | U | 1.0 | U | 1900 | D | 580 | | 830 | | 14.0 | | 190 | | 110 | | 120 | | 330.0 | | | | |
| Isopropylbenzene | 3.1 | | 1.0 | U | 1.0 | U | 180 | | 50 | | 100 | | 3.9 | | 10.0 | | 76 | | 86 | | 55.0 | | | | |
| m+p Xylene | 13 | | 2 | U | 2 | U | 5500 | D | 1300 | | 2000 | | 40 | | 110 | | 66 | | 91 | | 880 | | | | |
| Methyl tert-Butyl Ether | 0.35 | U | 1.0 | U | 1.0 | U | 0.35 | U | 25 | U | 50 | U | 1.0 | U | 0.35 | U | 5 | U | 10 | U | 10.0 | U | | | |
| Naphthalene | 1.0 | | 2 | U | 2 | U | 490 | D | 140 | | 270 | | 6.1 | | 59 | | 44 | | 62 | | 67 | | | | |
| n-Butylbenzene | 0.66 | J | 1.0 | U | 1.0 | U | 25 | | 25 | U | 68 | | 1.0 | U | 25 | | 28 | | 23 | | 20.0 | | | | |
| n-Propylbenzene | 3.8 | | 1.0 | U | 1.0 | U | 190 | | 78 | | 210 | | 5.4 | | 150 | | 130 | | 140 | | 82.0 | | | | |
| o-Xylene | 2.3 | | 1.0 | U | 1.0 | U | 380 | D | 290 | | 400 | | 13.0 | | 10 | | 8.8 | | 16 | | 300.0 | | | | |
| p-Isopropyltoluene | 0.43 | U | 1.0 | U | 1.0 | U | 14 | | 25 | U | 50 | U | 1.0 | U | 17 | | 17 | | 15 | | 11.0 | | | | |
| sec-Butylbenzene | 0.46 | U | 1.0 | U | 1.0 | U | 15 | | 25 | U | 50 | U | 1.0 | U | 11 | | 11 | | 10 | U | 10.0 | U | | | |
| tert-Butylbenzene | 0.44 | U | 1.0 | U | 1.0 | U | 1.8 | | 25 | U | 50 | U | 1.0 | U | 2.1 | | 5 | U | 10 | U | 10.0 | U | | | |
| Toluene | 4 | | 1.0 | U | 1.0 | U | 210 | D | 450 | | 310 | | 14.0 | | 31 | | 27 | | 30 | | 270.0 | | | | |
| Total BTEX | 99.9 | | 0 | | 0 | | 11290 | | 4320 | | 5240 | | 411 | | 1041 | | 662 | | 827 | | 5180 | 11661 | 4651 | 5265 | 437 |
| TOTAL VOCs | 114.5 | | 0 | | 0 | | 14746.15 | | 5178 | | 7258 | | 440.2 | | 1972 | | 1237 | | 1425 | | 5763 | 15522 | 6393 | 7297 | 488 |

| SAMPLE ID<br>DATE | | MW SE-11<br>1/8/2013 | MW SE-11<br>4/18/2013 | | | MW SE-9<br>1/8/2013 | MW SE-9<br>4/18/2013 | MW SE-9<br>9/25/2013 | | MW SE-12<br>1/8/2013 | MW SE-12<br>4/18/2013 | | MW SE-7<br>1/8/2013 | MW SE-7<br>4/18/2013 | MW SE-7<br>9/25/2013 | | MW SE-8<br>1/8/2013 | MW SE-8<br>4/18/2013 | MW SE-8<br>9/25/2013 | ***SITE TOTAL (MW-SE7 and MW-SE9)<br>9/25/2013*** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX CONCENTRATION CHANGE (+/-%)** | | -80.45 | -75.41 | | | 85.12 | -100.00 | -84.52 | | -100.00 | -100.00 | | -61.74 | -53.59 | -96.36 | | -36.43 | -20.58 | 397.60 | -96.19 |
| **Total Benzene CONCENTRATION CHANGE (+/-%)** | | -78.75 | -72.50 | | | 14.29 | -100.00 | -81.43 | | -100.00 | -100.00 | | -48.48 | -48.48 | -90.00 | | -35.71 | -18.57 | 385.71 | -89.65 |
| **TOTAL MEASURED VOCs CONCENTRATION CHANGE (+/-%)** | | -79.93 | -76.38 | | | 119.05 | -97.98 | -91.15 | | -100.00 | -100.00 | | -64.89 | -50.78 | -97.01 | | -37.29 | -27.74 | 192.23 | -96.81 |

Notes:
Site total concentrations through 4/18/13 include measured analytical concentrations in all wells except offsite well MW-8
Site total concentrations for 9/25/13 include measured analytical concentrations in wells MW-SE7 and MW-SE9, as required by NYSDEC
Monitoring well MW-SE6 had not been required for baseline and post remedial sampling, therefore baseline sampling data does not exist for MW-SE6

| | |
|---|---|
| - | Indicates a percent-reduction in concentration from the August 2012 baseline event |
| | Indicates a percent-increase in concentration from the August 2012 baseline event |
| J | Indicates an estimated value. |
| U | Analyzed for but not detected. |
| µg/L | Micrograms per liter |
| | Shaded areas indicate August 2012 Baseline Sampling Event |

**ATTACHMENT 1**

**LABORATORY REPORT FOR 9/25/2013 SAMPLING EVENT**

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 2, 2013

Scott Narod
Gannett Fleming - NY
100 Crossways Park West, Suite 300
Woodbury, NY 11797

Project Location: Brooklyn, NY
Client Job Number:
Project Number: 53319.008
Laboratory Work Order Number: 13I0899

Enclosed are results of analyses for samples received by the laboratory on September 25, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Gannett Fleming - NY
100 Crossways Park West, Suite 300
Woodbury, NY 11797
ATTN: Scott Narod

REPORT DATE: 10/2/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 53319.008

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 13I0899

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Brooklyn, NY

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|---|---|---|---|---|---|
| MW-SE-6 | 13I0899-01 | Ground Water | | SW-846 8260C | |
| MW-SE-8 | 13I0899-02 | Ground Water | | SW-846 8260C | |
| MW-SE-7 | 13I0899-03 | Ground Water | | SW-846 8260C | |
| MW-SE-9 | 13I0899-04 | Ground Water | | SW-846 8260C | |
| Trip Blank | 13I0899-05 | Trip Blank Water | | SW-846 8260C | |
| Field Blank | 13I0899-06 | Water | | SW-846 8260C | |

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**SW-846 8260C**

**Qualifications:**

Elevated reporting limits for all volatile compounds due to foaming sample matrix.

**Analyte & Samples(s) Qualified:**

13I0899-04[MW-SE-9]

Reported results are estimated. Analysis performed on a previously used vial.

**Analyte & Samples(s) Qualified:**

**, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Ethylbenzene, Isopropylbenzene (Cumene), m+p Xylene, Methyl tert-Butyl Ether (MTBE), Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p-Isopropyltoluene (p-Cymene), sec-Butylbenzene, tert-Butylbenzene, Toluene**
13I0899-03[MW-SE-7]

Elevated reporting limit due to high concentration of target compounds. Requested reporting limit not met.

**Analyte & Samples(s) Qualified:**

13I0899-01[MW-SE-6], 13I0899-02[MW-SE-8]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

**Analyte & Samples(s) Qualified:**

**Naphthalene**

13I0899-01[MW-SE-6], 13I0899-02[MW-SE-8], 13I0899-04[MW-SE-9], 13I0899-05[Trip Blank], 13I0899-06[Field Blank], B081746-BLK1, B081746-BS1, B081746-BSD1, B081895-BLK1, B081895-BS1, B081895-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Brooklyn, NY | Sample Description: | Work Order: 13I0899

Date Received: 9/25/2013

**Field Sample #: MW-SE-6** | Sampled: 9/25/2013 08:34

**Sample ID: 13I0899-01**

Sample Matrix: Ground Water

Sample Flags: RL-01

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 17 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| n-Butylbenzene | 3.9 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| sec-Butylbenzene | 2.3 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| tert-Butylbenzene | ND | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| Ethylbenzene | 11 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| Isopropylbenzene (Cumene) | 10 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| Naphthalene | 9.5 | 4.0 | µg/L | 2 | V-05 | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| n-Propylbenzene | 19 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| Toluene | 3.1 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| 1,2,4-Trimethylbenzene | 13 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| 1,3,5-Trimethylbenzene | 3.2 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| m+p Xylene | 24 | 4.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |
| o-Xylene | 6.3 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/30/13 | 9/30/13 15:10 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 94.8 | 70-130 | | 9/30/13 15:10 |
| Toluene-d8 | 99.2 | 70-130 | | 9/30/13 15:10 |
| 4-Bromofluorobenzene | 98.8 | 70-130 | | 9/30/13 15:10 |

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Brooklyn, NY | Sample Description: | Work Order: 13I0899

Date Received: 9/25/2013

**Field Sample #: MW-SE-8** | Sampled: 9/25/2013 07:25

**Sample ID: 13I0899-02**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 3400 | 100 | µg/L | 100 | | SW-846 8260C | 9/27/13 | 9/30/13 14:39 | LBD |
| n-Butylbenzene | 20 | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| sec-Butylbenzene | ND | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| tert-Butylbenzene | ND | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| Ethylbenzene | 330 | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| Isopropylbenzene (Cumene) | 55 | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| p-Isopropyltoluene (p-Cymene) | 11 | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| Naphthalene | 67 | 20 | µg/L | 10 | V-05 | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| n-Propylbenzene | 82 | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| Toluene | 270 | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| 1,2,4-Trimethylbenzene | 280 | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| 1,3,5-Trimethylbenzene | 68 | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| m+p Xylene | 880 | 20 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |
| o-Xylene | 300 | 10 | µg/L | 10 | | SW-846 8260C | 9/27/13 | 9/27/13 18:54 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 92.8 | 70-130 | | 9/30/13 14:39 |
| 1,2-Dichloroethane-d4 | 100 | 70-130 | | 9/27/13 18:54 |
| Toluene-d8 | 98.3 | 70-130 | | 9/30/13 14:39 |
| Toluene-d8 | 102 | 70-130 | | 9/27/13 18:54 |
| 4-Bromofluorobenzene | 98.7 | 70-130 | | 9/30/13 14:39 |
| 4-Bromofluorobenzene | 99.4 | 70-130 | | 9/27/13 18:54 |

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Brooklyn, NY | Sample Description: | Work Order: 13I0899

Date Received: 9/25/2013

**Field Sample #: MW-SE-7** | Sampled: 9/25/2013 09:49

**Sample ID: 13I0899-03**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 330 | 50 | µg/L | 50 | | SW-846 8260C | 9/27/13 | 9/27/13 19:24 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| Ethylbenzene | 14 | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| Isopropylbenzene (Cumene) | 3.9 | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| Naphthalene | 6.1 | 2.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| n-Propylbenzene | 5.4 | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| Toluene | 14 | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| 1,2,4-Trimethylbenzene | 11 | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| 1,3,5-Trimethylbenzene | 2.8 | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| m+p Xylene | 40 | 2.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |
| o-Xylene | 13 | 1.0 | µg/L | 1 | H-08 | SW-846 8260C | 10/1/13 | 10/1/13 16:12 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 70-130 | | 9/27/13 19:24 |
| 1,2-Dichloroethane-d4 | 100 | 70-130 | | 10/1/13 16:12 |
| Toluene-d8 | 97.8 | 70-130 | | 9/27/13 19:24 |
| Toluene-d8 | 101 | 70-130 | | 10/1/13 16:12 |
| 4-Bromofluorobenzene | 94.4 | 70-130 | | 9/27/13 19:24 |
| 4-Bromofluorobenzene | 99.9 | 70-130 | | 10/1/13 16:12 |

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Brooklyn, NY | Sample Description: | Work Order: 13I0899

Date Received: 9/25/2013

**Field Sample #: MW-SE-9** | Sampled: 9/25/2013 10:48

**Sample ID: 13I0899-04**

Sample Matrix: Ground Water

Sample Flags: DL-01

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 26 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| n-Butylbenzene | 2.2 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| sec-Butylbenzene | ND | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| tert-Butylbenzene | ND | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| Ethylbenzene | ND | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| Isopropylbenzene (Cumene) | 4.5 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| Naphthalene | 7.7 | 4.0 | µg/L | 2 | V-05 | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| n-Propylbenzene | 5.5 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| Toluene | ND | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| 1,2,4-Trimethylbenzene | 2.2 | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| 1,3,5-Trimethylbenzene | ND | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| m+p Xylene | ND | 4.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |
| o-Xylene | ND | 2.0 | µg/L | 2 | | SW-846 8260C | 9/27/13 | 9/27/13 19:55 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | | |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 70-130 | | 9/27/13 | 19:55 |
| Toluene-d8 | 101 | 70-130 | | 9/27/13 | 19:55 |
| 4-Bromofluorobenzene | 96.4 | 70-130 | | 9/27/13 | 19:55 |

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Brooklyn, NY | Sample Description: | Work Order: 13I0899

Date Received: 9/25/2013

**Field Sample #: Trip Blank** | Sampled: 9/25/2013 00:00

**Sample ID: 13I0899-05**

Sample Matrix: Trip Blank Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | V-05 | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:14 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 107 | 70-130 | | 9/27/13 13:14 |
| Toluene-d8 | 98.4 | 70-130 | | 9/27/13 13:14 |
| 4-Bromofluorobenzene | 93.4 | 70-130 | | 9/27/13 13:14 |

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Project Location: Brooklyn, NY | Sample Description: | Work Order: 13I0899

Date Received: 9/25/2013

**Field Sample #: Field Blank** | Sampled: 9/25/2013 11:30

**Sample ID: 13I0899-06**

Sample Matrix: Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | V-05 | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 9/27/13 | 9/27/13 13:45 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | 70-130 | | 9/27/13 13:45 |
| Toluene-d8 | 100 | 70-130 | | 9/27/13 13:45 |
| 4-Bromofluorobenzene | 92.8 | 70-130 | | 9/27/13 13:45 |

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## Sample Extraction Data

**Prep Method: SW-846 5030B-SW-846 8260C**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 13I0899-02 [MW-SE-8] | B081746 | 0.5 | 5.00 | 09/27/13 |
| 13I0899-04 [MW-SE-9] | B081746 | 2.5 | 5.00 | 09/27/13 |
| 13I0899-05 [Trip Blank] | B081746 | 5 | 5.00 | 09/27/13 |
| 13I0899-06 [Field Blank] | B081746 | 5 | 5.00 | 09/27/13 |

**Prep Method: SW-846 5030B-SW-846 8260C**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 13I0899-01 [MW-SE-6] | B081895 | 2.5 | 5.00 | 09/30/13 |
| 13I0899-02RE1 [MW-SE-8] | B081895 | 0.05 | 5.00 | 09/27/13 |

**Prep Method: SW-846 5030B-SW-846 8260C**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 13I0899-03 [MW-SE-7] | B081992 | 5 | 5.00 | 10/01/13 |

**Prep Method: SW-846 5030B-SW-846 8260C**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 13I0899-03RE1 [MW-SE-7] | B082077 | 0.1 | 5.00 | 09/27/13 |

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**QUALITY CONTROL**

**Volatile Organic Compounds by GC/MS - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B081746 - SW-846 5030B** | | | | | | | | | | | |
| **Blank (B081746-BLK1)** | | | | Prepared & Analyzed: 09/27/13 | | | | | | | |
| Benzene | ND | 1.0 | µg/L | | | | | | | | |
| n-Butylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| sec-Butylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| tert-Butylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| Ethylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | | | | | | | | |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | | | | | | | | |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | | | | | | | | |
| Naphthalene | ND | 2.0 | µg/L | | | | | | | V-05 | |
| n-Propylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| Toluene | ND | 1.0 | µg/L | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| m+p Xylene | ND | 2.0 | µg/L | | | | | | | | |
| o-Xylene | ND | 1.0 | µg/L | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *26.7* | | µg/L | 25.0 | | 107 | 70-130 | | | | |
| Surrogate: Toluene-d8 | *24.7* | | µg/L | 25.0 | | 98.8 | 70-130 | | | | |
| Surrogate: 4-Bromofluorobenzene | *23.2* | | µg/L | 25.0 | | 92.6 | 70-130 | | | | |
| **LCS (B081746-BS1)** | | | | Prepared & Analyzed: 09/27/13 | | | | | | | |
| Benzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | | |
| n-Butylbenzene | 10.8 | 1.0 | µg/L | 10.0 | | 108 | 70-130 | | | | |
| sec-Butylbenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | | |
| tert-Butylbenzene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | | | | |
| Ethylbenzene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | | | | |
| Isopropylbenzene (Cumene) | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | | |
| p-Isopropyltoluene (p-Cymene) | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | | |
| Methyl tert-Butyl Ether (MTBE) | 10.8 | 1.0 | µg/L | 10.0 | | 108 | 70-130 | | | | |
| Naphthalene | 7.60 | 2.0 | µg/L | 10.0 | | 76.0 | 40-130 | | | V-05 | † |
| n-Propylbenzene | 10.8 | 1.0 | µg/L | 10.0 | | 108 | 70-130 | | | | |
| Toluene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | | |
| 1,2,4-Trimethylbenzene | 10.9 | 1.0 | µg/L | 10.0 | | 109 | 70-130 | | | | |
| 1,3,5-Trimethylbenzene | 10.8 | 1.0 | µg/L | 10.0 | | 108 | 70-130 | | | | |
| m+p Xylene | 21.9 | 2.0 | µg/L | 20.0 | | 110 | 70-130 | | | | |
| o-Xylene | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *25.6* | | µg/L | 25.0 | | 102 | 70-130 | | | | |
| Surrogate: Toluene-d8 | *25.6* | | µg/L | 25.0 | | 103 | 70-130 | | | | |
| Surrogate: 4-Bromofluorobenzene | *24.6* | | µg/L | 25.0 | | 98.4 | 70-130 | | | | |
| **LCS Dup (B081746-BSD1)** | | | | Prepared & Analyzed: 09/27/13 | | | | | | | |
| Benzene | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | 3.73 | 25 | | |
| n-Butylbenzene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | 4.35 | 25 | | |
| sec-Butylbenzene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | 2.98 | 25 | | |
| tert-Butylbenzene | 9.98 | 1.0 | µg/L | 10.0 | | 99.8 | 70-130 | 1.10 | 25 | | |
| Ethylbenzene | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | 2.84 | 25 | | |
| Isopropylbenzene (Cumene) | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | 2.39 | 25 | | |
| p-Isopropyltoluene (p-Cymene) | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | 3.07 | 25 | | |
| Methyl tert-Butyl Ether (MTBE) | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | 2.90 | 25 | | |
| Naphthalene | 6.78 | 2.0 | µg/L | 10.0 | | 67.8 | 40-130 | 11.4 | 25 | V-05 | † |
| n-Propylbenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 1.87 | 25 | | |
| Toluene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | 1.74 | 25 | | |
| 1,2,4-Trimethylbenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 2.14 | 25 | | |

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**QUALITY CONTROL**

**Volatile Organic Compounds by GC/MS - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B081746 - SW-846 5030B** | | | | | | | | | | |
| **LCS Dup (B081746-BSD1)** | | | | Prepared & Analyzed: 09/27/13 | | | | | | |
| 1,3,5-Trimethylbenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 1.41 | 25 | |
| m+p Xylene | 21.1 | 2.0 | µg/L | 20.0 | | 106 | 70-130 | 3.58 | 25 | |
| o-Xylene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 1.32 | 25 | |
| Surrogate: 1,2-Dichloroethane-d4 | *25.0* | | µg/L | 25.0 | | 100 | 70-130 | | | |
| Surrogate: Toluene-d8 | *25.5* | | µg/L | 25.0 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.1* | | µg/L | 25.0 | | 100 | 70-130 | | | |
| **Batch B081895 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B081895-BLK1)** | | | | Prepared & Analyzed: 09/30/13 | | | | | | |
| Benzene | ND | 1.0 | µg/L | | | | | | | |
| n-Butylbenzene | ND | 1.0 | µg/L | | | | | | | |
| sec-Butylbenzene | ND | 1.0 | µg/L | | | | | | | |
| tert-Butylbenzene | ND | 1.0 | µg/L | | | | | | | |
| Ethylbenzene | ND | 1.0 | µg/L | | | | | | | |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | | | | | | | |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | | | | | | | |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | | | | | | | |
| Naphthalene | ND | 2.0 | µg/L | | | | | | | V-05 |
| n-Propylbenzene | ND | 1.0 | µg/L | | | | | | | |
| Toluene | ND | 1.0 | µg/L | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | | | | | | | |
| m+p Xylene | ND | 2.0 | µg/L | | | | | | | |
| o-Xylene | ND | 1.0 | µg/L | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *25.9* | | µg/L | 25.0 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | *24.7* | | µg/L | 25.0 | | 98.8 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *24.0* | | µg/L | 25.0 | | 95.9 | 70-130 | | | |
| **LCS (B081895-BS1)** | | | | Prepared & Analyzed: 09/30/13 | | | | | | |
| Benzene | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | |
| n-Butylbenzene | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | |
| sec-Butylbenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | |
| tert-Butylbenzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Ethylbenzene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | |
| Isopropylbenzene (Cumene) | 10.9 | 1.0 | µg/L | 10.0 | | 109 | 70-130 | | | |
| p-Isopropyltoluene (p-Cymene) | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Methyl tert-Butyl Ether (MTBE) | 12.3 | 1.0 | µg/L | 10.0 | | 123 | 70-130 | | | |
| Naphthalene | 7.64 | 2.0 | µg/L | 10.0 | | 76.4 | 40-130 | | | V-05 † |
| n-Propylbenzene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| Toluene | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| m+p Xylene | 22.2 | 2.0 | µg/L | 20.0 | | 111 | 70-130 | | | |
| o-Xylene | 10.8 | 1.0 | µg/L | 10.0 | | 108 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *25.3* | | µg/L | 25.0 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | *25.5* | | µg/L | 25.0 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.5* | | µg/L | 25.0 | | 102 | 70-130 | | | |

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**QUALITY CONTROL**

**Volatile Organic Compounds by GC/MS - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B081895 - SW-846 5030B** | | | | | | | | | | | |
| **LCS Dup (B081895-BSD1)** | | | | Prepared & Analyzed: 09/30/13 | | | | | | | |
| Benzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 0.843 | 25 | | |
| n-Butylbenzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 2.28 | 25 | | |
| sec-Butylbenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 0.567 | 25 | | |
| tert-Butylbenzene | 10.2 | 1.0 | µg/L | 10.0 | | 102 | 70-130 | 1.56 | 25 | | |
| Ethylbenzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 0.383 | 25 | | |
| Isopropylbenzene (Cumene) | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | 5.27 | 25 | | |
| p-Isopropyltoluene (p-Cymene) | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 0.0959 | 25 | | |
| Methyl tert-Butyl Ether (MTBE) | 12.0 | 1.0 | µg/L | 10.0 | | 120 | 70-130 | 2.38 | 25 | | |
| Naphthalene | 6.82 | 2.0 | µg/L | 10.0 | | 68.2 | 40-130 | 11.3 | 25 | V-05 | † |
| n-Propylbenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 4.17 | 25 | | |
| Toluene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | 1.70 | 25 | | |
| 1,2,4-Trimethylbenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 0.375 | 25 | | |
| 1,3,5-Trimethylbenzene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | 4.76 | 25 | | |
| m+p Xylene | 21.5 | 2.0 | µg/L | 20.0 | | 108 | 70-130 | 2.93 | 25 | | |
| o-Xylene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 2.61 | 25 | | |
| Surrogate: 1,2-Dichloroethane-d4 | *24.9* | | µg/L | 25.0 | | 99.5 | 70-130 | | | | |
| Surrogate: Toluene-d8 | *25.4* | | µg/L | 25.0 | | 101 | 70-130 | | | | |
| Surrogate: 4-Bromofluorobenzene | *25.1* | | µg/L | 25.0 | | 100 | 70-130 | | | | |
| **Batch B081992 - SW-846 5030B** | | | | | | | | | | | |
| **Blank (B081992-BLK1)** | | | | Prepared & Analyzed: 10/01/13 | | | | | | | |
| Benzene | ND | 1.0 | µg/L | | | | | | | | |
| n-Butylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| sec-Butylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| tert-Butylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| Ethylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | | | | | | | | |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | | | | | | | | |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | | | | | | | | |
| Naphthalene | ND | 2.0 | µg/L | | | | | | | | |
| n-Propylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| Toluene | ND | 1.0 | µg/L | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | | | | | | | | |
| m+p Xylene | ND | 2.0 | µg/L | | | | | | | | |
| o-Xylene | ND | 1.0 | µg/L | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *25.4* | | µg/L | 25.0 | | 101 | 70-130 | | | | |
| Surrogate: Toluene-d8 | *25.1* | | µg/L | 25.0 | | 100 | 70-130 | | | | |
| Surrogate: 4-Bromofluorobenzene | *24.0* | | µg/L | 25.0 | | 96.0 | 70-130 | | | | |
| **LCS (B081992-BS1)** | | | | Prepared & Analyzed: 10/01/13 | | | | | | | |
| Benzene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | | |
| n-Butylbenzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | | |
| sec-Butylbenzene | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | | | | |
| tert-Butylbenzene | 9.75 | 1.0 | µg/L | 10.0 | | 97.5 | 70-130 | | | | |
| Ethylbenzene | 9.99 | 1.0 | µg/L | 10.0 | | 99.9 | 70-130 | | | | |
| Isopropylbenzene (Cumene) | 10.2 | 1.0 | µg/L | 10.0 | | 102 | 70-130 | | | | |
| p-Isopropyltoluene (p-Cymene) | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | | | | |
| Methyl tert-Butyl Ether (MTBE) | 11.4 | 1.0 | µg/L | 10.0 | | 114 | 70-130 | | | | |
| Naphthalene | 9.13 | 2.0 | µg/L | 10.0 | | 91.3 | 40-130 | | | | † |
| n-Propylbenzene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | | |
| Toluene | 10.2 | 1.0 | µg/L | 10.0 | | 102 | 70-130 | | | | |

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**QUALITY CONTROL**

**Volatile Organic Compounds by GC/MS - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B081992 - SW-846 5030B** | | | | | | | | | | |
| **LCS (B081992-BS1)** | | | | Prepared & Analyzed: 10/01/13 | | | | | | |
| 1,2,4-Trimethylbenzene | 10.2 | 1.0 | µg/L | 10.0 | | 102 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| m+p Xylene | 20.9 | 2.0 | µg/L | 20.0 | | 104 | 70-130 | | | |
| o-Xylene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *25.0* | | µg/L | 25.0 | | 99.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | *25.2* | | µg/L | 25.0 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.2* | | µg/L | 25.0 | | 101 | 70-130 | | | |
| **LCS Dup (B081992-BSD1)** | | | | Prepared & Analyzed: 10/01/13 | | | | | | |
| Benzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 1.15 | 25 | |
| n-Butylbenzene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | 2.73 | 25 | |
| sec-Butylbenzene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | 0.895 | 25 | |
| tert-Butylbenzene | 9.70 | 1.0 | µg/L | 10.0 | | 97.0 | 70-130 | 0.514 | 25 | |
| Ethylbenzene | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | 0.499 | 25 | |
| Isopropylbenzene (Cumene) | 9.97 | 1.0 | µg/L | 10.0 | | 99.7 | 70-130 | 2.38 | 25 | |
| p-Isopropyltoluene (p-Cymene) | 9.83 | 1.0 | µg/L | 10.0 | | 98.3 | 70-130 | 2.01 | 25 | |
| Methyl tert-Butyl Ether (MTBE) | 11.5 | 1.0 | µg/L | 10.0 | | 115 | 70-130 | 0.523 | 25 | |
| Naphthalene | 8.39 | 2.0 | µg/L | 10.0 | | 83.9 | 40-130 | 8.45 | 25 | † |
| n-Propylbenzene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | 2.40 | 25 | |
| Toluene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | 1.48 | 25 | |
| 1,2,4-Trimethylbenzene | 10.2 | 1.0 | µg/L | 10.0 | | 102 | 70-130 | 0.393 | 25 | |
| 1,3,5-Trimethylbenzene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | 3.12 | 25 | |
| m+p Xylene | 20.8 | 2.0 | µg/L | 20.0 | | 104 | 70-130 | 0.384 | 25 | |
| o-Xylene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | 0.679 | 25 | |
| Surrogate: 1,2-Dichloroethane-d4 | *24.8* | | µg/L | 25.0 | | 99.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | *25.2* | | µg/L | 25.0 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.3* | | µg/L | 25.0 | | 101 | 70-130 | | | |
| **Batch B082077 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B082077-BLK1)** | | | | Prepared & Analyzed: 09/27/13 | | | | | | |
| Benzene | ND | 1.0 | µg/L | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *26.7* | | µg/L | 25.0 | | 107 | 70-130 | | | |
| Surrogate: Toluene-d8 | *24.7* | | µg/L | 25.0 | | 98.8 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *23.2* | | µg/L | 25.0 | | 92.6 | 70-130 | | | |
| **LCS (B082077-BS1)** | | | | Prepared & Analyzed: 09/27/13 | | | | | | |
| Benzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *25.6* | | µg/L | 25.0 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | *25.6* | | µg/L | 25.0 | | 103 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *24.6* | | µg/L | 25.0 | | 98.4 | 70-130 | | | |

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**QUALITY CONTROL**

**Volatile Organic Compounds by GC/MS - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B082077 - SW-846 5030B** | | | | | | | | | | |
| **LCS Dup (B082077-BSD1)** | | | | Prepared & Analyzed: 09/27/13 | | | | | | |
| Benzene | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | 3.73 | 25 | |
| Surrogate: 1,2-Dichloroethane-d4 | *25.0* | | µg/L | 25.0 | | 100 | 70-130 | | | |
| Surrogate: Toluene-d8 | *25.5* | | µg/L | 25.0 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.1* | | µg/L | 25.0 | | 100 | 70-130 | | | |

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**FLAG/QUALIFIER SUMMARY**

| | |
|---|---|
| * | QC result is outside of established limits. |
| † | Wide recovery limits established for difficult compound. |
| ‡ | Wide RPD limits established for difficult compound. |
| # | Data exceeded client recommended or regulatory level |
| | Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded. |
| | No results have been blank subtracted unless specified in the case narrative section. |
| DL-01 | Elevated reporting limits for all volatile compounds due to foaming sample matrix. |
| H-08 | Reported results are estimated. Analysis performed on a previously used vial. |
| RL-01 | Elevated reporting limit due to high concentration of target compounds. Requested reporting limit not met. |
| V-05 | Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side. |

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## CERTIFICATIONS

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***SW-846 8260C in Water*** | |
| Benzene | CT,NH,NY,VA |
| n-Butylbenzene | NY,VA |
| sec-Butylbenzene | NY,VA |
| tert-Butylbenzene | NY,VA |
| Ethylbenzene | CT,NH,NY,VA |
| Isopropylbenzene (Cumene) | NY,VA |
| p-Isopropyltoluene (p-Cymene) | CT,NH,NY,VA |
| Methyl tert-Butyl Ether (MTBE) | CT,NH,NY,VA |
| Naphthalene | NH,NY,VA |
| n-Propylbenzene | CT,NH,NY,VA |
| Toluene | CT,NH,NY,VA |
| 1,2,4-Trimethylbenzene | NY,VA |
| 1,3,5-Trimethylbenzene | NY,VA |
| m+p Xylene | CT,NH,NY,VA |
| o-Xylene | CT,NH,NY,VA |

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

| Code | Description | Number | Expires |
|---|---|---|---|
| AIHA | AIHA-LAP, LLC | 100033 | 02/1/2014 |
| MA | Massachusetts DEP | M-MA100 | 06/30/2014 |
| CT | Connecticut Department of Publilc Health | PH-0567 | 09/30/2015 |
| NY | New York State Department of Health | 10899 NELAP | 04/1/2014 |
| NH-S | New Hampshire Environmental Lab | 2516 NELAP | 02/5/2014 |
| RI | Rhode Island Department of Health | LAO00112 | 12/30/2013 |
| NC | North Carolina Div. of Water Quality | 652 | 12/31/2013 |
| NJ | New Jersey DEP | MA007 NELAP | 06/30/2014 |
| FL | Florida Department of Health | E871027 NELAP | 06/30/2014 |
| VT | Vermont Department of Health Lead Laboratory | LL015036 | 07/30/2014 |
| WA | State of Washington Department of Ecology | C2065 | 02/23/2014 |
| ME | State of Maine | 2011028 | 06/9/2015 |
| VA | Commonwealth of Virginia | 460217 | 12/14/2013 |
| NH-P | New Hampshire Environmental Lab | 2557 NELAP | 09/6/2014 |

# CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

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1310899

Rev 04.05.12

Company Name: Gannett Fleming (GF)
Address: 100 Crossways Park West Suite 300 Woodbury, NY
Attention: Scott Narod (GF)
Project Location: Brooklyn, NY
Sampled By: B.T. (GF)

Telephone: 516-364-4140
Project #: 053319
Client PO#:

**DATA DELIVERY** (check all that apply)
○ FAX ● EMAIL ○ WEBSITE
Fax #:
Email: snarod@gfnet.com
Format: ● PDF ● EXCEL ○ GIS ● OTHER Equis & CAT B ○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
● yes _____ proposal date

| Con-Test Lab ID (laboratory use only) | Client Sample ID / Description | Collection Beginning Date/Time | Collection Ending Date/Time | Composite | Grab | *Matrix Code | Conc Code | # of Containers | ** Preservation | ***Container Code |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 | MW-SE-6 | 9/25/13 | 8:34 | | X | GW | | X | H | GV |
| 02 | MW-SE-8 | | 7:25 | | X | GW | | X | H | GV |
| 03 | MW-SE-7 | | 9:49 | | X | GW | | X | H | GV |
| 04 | MW-SE-9 | | 10:48 | | X | GW | | X | H | GV |
| 05 | Trip Blank | | — | | — | Aq | | X | H | GV |
| 06 | Field Blank | | 11:30 | | X | Aq | | X | H | GV |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

ANALYSIS REQUESTED
8260 VOCs CP-51 TBLA

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfat
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments: Standard TAT

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

| Relinquished by: (signature) | Date/Time: |
|---|---|
| Ryan Tracy (GF) | 9/25 14:10 |
| Received by: (signature) | 9/25/13 14:15 |
| Relinquished by: (signature) | 9/25/13 18:31 |
| Received by: (signature) Kenneth Burke 3.0°C | 9/25/13 1831 |

**Turnaround ††**
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

**Detection Limit Requirements**
Massachusetts:
Connecticut:
Other:

**Is your project MCP or RCP ?**
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

AIHA LAP, LLC ACCREDITED LABORATORY
ACCREDITED TO ACCREDITATION STANDARDS nelac
NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

**PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT**

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
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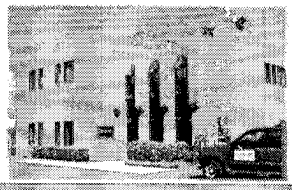
www.contestlabs.com

con-test® ANALYTICAL LABORATORY





# Sample Receipt Checklist

CLIENT NAME: Gannett Fleming RECEIVED BY: KOB DATE: 9-25-13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

2) **Does the chain agree with the samples?** (Yes) No
If not, explain:

3) **Are all the samples in good condition?** (Yes) No
If not, explain:

4) **How were the samples received:**
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

**Were the samples received in Temperature Compliance of (2-6°C)?** (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.0C

5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____

9) **Do all samples have the proper Base pH:** Yes No (N/A) _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

## Containers received at Con-Test

| | # of containers | | # of containers |
|---|---|---|---|
| 1 Liter Amber | | 8 oz amber/clear jar | |
| 500 mL Amber | | 4 oz amber/clear jar | |
| 250 mL Amber (8oz amber) | | 2 oz amber/clear jar | |
| 1 Liter Plastic | | Plastic Bag / Ziploc | |
| 500 mL Plastic | | SOC Kit | |
| 250 mL plastic | | Non-ConTest Container | |
| 40 mL Vial - type listed below | 13 | Perchlorate Kit | |
| Colisure / bacteria bottle | | Flashpoint bottle | |
| Dissolved Oxygen bottle | | Other glass jar | |
| Encore | | Other | |

Laboratory Comments:

40 mL vials: # HCl 13 # Methanol _____
# Bisulfate _____ # DI Water _____
# Thiosulfate _____ Unpreserved

Time and Date Frozen:

**Login Sample Receipt Checklist**

**(Rejection Criteria Listing - Using Sample Acceptance Policy)**

**Any False statement will be brought to the attention of Client**

| Question | Answer (True/False) T/F/NA | Comment |
|---|---|---|
| 1) The cooler's custody seal, if present, is intact. | NA | |
| 2) The cooler or samples do not appear to have been compromised or tampered with. | T | |
| 3) Samples were received on ice. | T | |
| 4) Cooler Temperature is acceptable. | T | |
| 5) Cooler Temperature is recorded. | T | |
| 6) COC is filled out in ink and legible. | T | |
| 7) COC is filled out with all pertinent information. | T | |
| 8) Field Sampler's name present on COC. | T | |
| 9) There are no discrepancies between the sample IDs on the container and the COC. | T | |
| 10) Samples are received within Holding Time. | T | |
| 11) Sample containers have legible labels. | T | |
| 12) Containers are not broken or leaking. | T | |
| 13) Air Cassettes are not broken/open. | NA | |
| 14) Sample collection date/times are provided. | T | |
| 15) Appropriate sample containers are used. | T | |
| 16) Proper collection media used. | T | |
| 17) No headspace sample bottles are completely filled. | T | |
| 18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs. | T | |
| 19) Trip blanks provided if applicable. | T | |
| 20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter. | T | |
| 21) Samples do not require splitting or compositing. | T | |

**Who notified of False statements?** **Date/Time:**

**Doc #277 Rev. 4 August 2013** **Log-In Technician Initials:** KOB **Date/Time:** 9-25-13 1831