



EA Engineering, Science, & Technology, Inc.
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October 29, 2013

Ms. Allison Urbon
New Mexico Environment Department
Petroleum Storage Tank Bureau
5500 San Antonio Drive NE
Albuquerque, New Mexico 87109

Dear Ms. Urbon:

EA Engineering, Science, and Technology, Inc. (EA) is submitting the 2nd Semi-Annual Groundwater Monitoring Report for Atex #213 located at 3501 Isleta Boulevard, Albuquerque, New Mexico. The report summarizes the groundwater monitoring event conducted to fulfill requirements stated in the New Mexico Administrative Code, Title 20, Chapter 5, Part 12 and the New Mexico Environment Department Petroleum Storage Tank Bureau Guidelines for Corrective Action. This is the fourth monitoring event performed by EA since February 2012.

Three wells could not be sampled due to the wells being dry, and five wells could not be sampled due to damage or recent paving; as a result, costs will be discounted for eight samples at a cost of \$120 each (\$1,027.20 plus NMGRT). The total cost for the 2nd Semi-Annual Groundwater Monitoring Report under deliverable ID 3675-2 is therefore \$5,392.80 including NMGRT.

Please let me know if you have any questions regarding the information provided in this report.

Sincerely,

A black ink signature of the name "Gary Desselle".

Gary Desselle
Project Manager

A blue ink signature of the name "Jay Snyder".

Jay Snyder
Senior Hydrogeologist

Enclosure

Cc: File – EA Engineering, Science, and Technology, Inc.



**SEMI-ANNUAL GROUNDWATER
MONITORING REPORT
ATEX #213,
3501 ISLETA BOULEVARD,
ALBUQUERQUE,
NEW MEXICO**

Prepared by:

EA Engineering, Science,
and Technology, Inc.
320 Gold Avenue SW, Suite 1210
Albuquerque, New Mexico 87102

October 2013

EA Project No.6250106.04

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:



Name: Gary Desselle
Affiliation: EA Engineering, Science, and Technology, Inc.
Title: Project Manager
Date: October 29, 2013

I. INTRODUCTION

EA Engineering, Science, and Technology, Inc. (EA) has completed the 2nd semi-annual groundwater monitoring event at the Atex #213 Site (Site) located at 3501 Isleta Boulevard, Albuquerque, New Mexico. The monitoring event was completed under state-lead contract # 11-667-3000-0002 and in accordance with the *Workplan for Semi-Annual Groundwater Monitoring* prepared by EA to satisfy the requirements stated in the New Mexico Administrative Code, Title 20, Chapter 5, Part 12 and the New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) Guidelines for Corrective Action (GCA). The work plan was approved by the NMED PSTB on March 5, 2013 under work plan identification number (WPID #) 3675. This is the second deliverable under WPID #3675.

The Site is located at the intersection of Del Sur Drive and Isleta Boulevard in the South Valley area of Albuquerque, New Mexico (Figure 1). The Site is currently a vacant lot.

On October 1, 2013, fluid levels were measured in 11 of the 17 monitoring wells specified in the work plan; wells W-34, W-35, W-36, and W-37 had recently been paved over, well MW-4 had been destroyed, wells MW-1, MW-5 were dry, and well MW-3 could not be located. The latter well was subsequently located and the fluid level measured on October 10, 2013. Groundwater samples were collected from 9 monitoring wells (BB-2, MW-2, MW-3, MW-29, MW-38, NMW-1, NMW-4, RNMW-2, and RNMW-3). Although a fluid level was measured in well MW-6, insufficient water could be obtained for sampling. Groundwater samples were analyzed for volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tertiary butyl ether (MTBE), and total naphthalenes by Environmental Protection Agency (EPA) Method 8260B. In addition, pH, specific conductance, and temperature were monitored in the field.

This report summarizes the results of the monitoring event.

II. ACTIVITIES PERFORMED DURING THIS PERIOD

This section provides a brief description of monitoring activities performed during this monitoring period.

A. Brief Description of Remediation System and Date Installed

A summary of corrective action activities conducted by EA at the Site follows:

- Site sampled December 2006 by Souder, Miller & Associates
- The Work Plan for the first two semi-annual groundwater monitoring events was approved by NMED on December 16, 2011.
- The Work Plan for the next two semi-annual groundwater monitoring events was approved by NMED on March 5, 2013.
- EA completed its 1st semi-annual sampling event in February 2012; EA has continued to monitor the site on a semi-annual basis since this time.

B. Description of Activities Performed to Keep System Operating Properly

A remediation system has not been installed at the site.

C. Monitoring Activities Performed

Groundwater Sampling Activities

Prior to collecting groundwater samples, fluid levels in 12 of 17 wells were gauged with an electronic water level meter. Table 1 provides a summary of the groundwater gauging data collected from the monitoring network. A potentiometric surface map (Figure 2) was constructed based on the collected data.

On October 1, 2013 eight monitoring wells were purged and sampled with new disposable polyethylene bailers. The work plan specified 17 wells to be sampled; samples were not collected from MW-1 and MW-5 due to the wells being dry; well MW-6 provided insufficient water for sampling, samples were not collected from wells W-34, W-35, W-36, or W-37 as they had recently been paved over. Well MW-4 was destroyed. Well MW-3 was believed to have been destroyed at the time of the October 1, 2013 monitoring event; however, it was later determined that this well was covered by weeds. It was located and sampled on October 10, 2013. Wells were sampled from clean to dirty to the extent possible to minimize cross-contamination. All equipment was decontaminated between wells with an Alconox™ solution to further ensure sample quality. Purge water was ground discharged in accordance with Section 1.7.2 of the GCA. Sampling was accomplished by carefully pouring groundwater from the disposable bailers into the sample containers.

Field parameters, including specific conductance, pH, and temperature, were measured with an Oakton PC 300 water quality meter during purging and prior to sampling. Dissolved oxygen (DO) was not measured due to the DO meter malfunctioning on October 1, 2013; however, it was operational on October 10, 2013. Specific conductance, pH and temperature were recorded on monitoring well sampling field forms. The water quality meter was calibrated and/or checked

against a standard in accordance with manufacturer's specifications prior to use. Monitoring well sampling field forms are provided in Appendix A.

Sample containers, preservatives, analytical methods, and holding times are specified in Table 2. Samples for VOC analysis were collected such that no headspace existed in the sample vial. All samples were preserved in accordance with method requirements, then immediately cooled to less than 6°C with ice and delivered under chain-of-custody to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico. The analytical laboratory report is provided in Appendix B.

NAPL Recovery

No NAPL was observed in any of the wells during this sampling event.

Groundwater Sampling Results

During this sampling event, all dissolved phase hydrocarbon concentrations were below New Mexico Water Quality Control Commission (NMWQCC) groundwater quality standards in all the wells sampled except well NMW-1 and MW-3. NMW-1 contained benzene and total naphthalenes above NMWQCC groundwater quality standards at concentrations of 290 micrograms per liter ($\mu\text{g}/\text{L}$) and 52.1 $\mu\text{g}/\text{L}$, respectively. MW-3 contained total naphthalenes at a concentration of 178 $\mu\text{g}/\text{L}$. MTBE in downgradient well BB-2 dropped from 150 $\mu\text{g}/\text{L}$ in March 2013 to 53 $\mu\text{g}/\text{L}$ during this monitoring event. Laboratory results are summarized in Table 3.

D. System Performance and Effectiveness

No remediation system is installed at the site.

E. Statement Verifying Containment of Release

The benzene plume appears to be contained on site as shown on Figure 3. The MTBE plume also appears to be contained on site; this compound was below the Environmental Improvement Board (EIB) standard in all of the groundwater samples. Total naphthalene was above the NMWQCC standard in well MW-3 (178 $\mu\text{g}/\text{L}$) and NMW-1 (52.1 $\mu\text{g}/\text{L}$) but appears to be contained on site.

III. SUMMARY AND CONCLUSIONS

This section summarizes the results, contains a brief discussion of site trends, and provides recommendations for future site activities.

A. Discussion of any Trends or Changes Noted in Analytical Results or Site Conditions

The results of groundwater gauging indicate that water levels have all risen by approximately one-third of a foot (except in well MW-6) when compared to the previous groundwater gauging conducted in March 2013. Based on well gauging results obtained since August 2012, the groundwater elevation obtained from well MW-6 does not appear to be representative. The initial water column in this well was only 0.22 feet. It immediately went dry upon bailing and is probably in poor hydraulic communication with the water table. Hydrographs for select wells are included in Appendix C. The overall direction of groundwater flow is to the south with a gradient which steepens in the central portion of the site (Figure 2).

Hydrocarbon concentrations in most wells at the site have dropped when compared to the March 2013 event. However, an overall hydrocarbon site assessment is difficult to make given the number of paved over or destroyed wells. It appeared that well MW-4 was purposely destroyed, while access to wells W-34 through W-37 can likely be obtained for the next monitoring event. The October 2013 distribution of dissolved phase organic contaminants is shown on Figure 3. Contaminant concentration trend graphs for selected analytes and wells are included in Appendix D.

Field parameters including pH, Specific conductance, and temperature were measured during sampling. The field parameters are summarized in Table 4.

B. Ongoing Assessment of Remediation System

No remediation system is installed at the site.

C. Recommendations

Based on the results of the groundwater monitoring, the following recommendations are provided:

- Continue groundwater monitoring.
- Well MW-1 has been dry since July 2005 and well MW-5 has been dry since EA began monitoring the site (February 2012). It is recommended that both of these wells be plugged and abandoned.
- Wells MW-6 and NMW-4 produce very little water and well NMW-4 additionally has bent casing. These wells should also be plugged and abandoned.
- Well MW-4 was found to be destroyed during this monitoring event. This well should be properly plugged and abandoned and replaced.
- Replacement wells should additionally be installed near wells MW-1, MW-5, MW-6, and NMW-4. Well NMW-4 is located at the downgradient end of the site, and this well will become important in tracking southern migration of the MTBE

plume. Continued contaminant migration in this direction may eventually impact the irrigation canal located to the south of the site (Figure 3).

- Permission should be obtained from the property owner (McDonald's) where wells W-34 through W-37 are located in order to remove the asphalt covering these upgradient wells.

TABLES

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
ATEX # 213, ALBUQUERQUE, NEW MEXICO**

| Monitor Well | Date Measured | Casing Elevation | Depth to Water ¹ | Groundwater Elevation |
|--------------|---------------|------------------|-----------------------------|-----------------------|
| MW-1 | 1-Oct-13 | 4929.78 | Dry | NM |
| | 25-Mar-13 | | Dry | NM |
| | 22-Aug-12 | | Dry | NM |
| | 21-Feb-12 | | Dry | NM |
| | 26-Dec-06 | | Dry | NM |
| | 25-Sep-06 | | Dry | NM |
| | 17-May-06 | | Dry | NM |
| | 31-Jan-06 | | Dry | NM |
| | 3-Nov-05 | | Dry | NM |
| | 28-Jul-05 | | Dry | NM |
| | 22-Apr-04 | | 9.25 | 4920.53 |
| MW-2 | 1-Oct-13 | 4932.01 | 11.64 | 4920.37 |
| | 25-Mar-13 | | 11.96 | 4920.05 |
| | 22-Aug-12 | | 11.68 | 4920.33 |
| | 21-Feb-12 | | 12.13 | 4919.88 |
| | 26-Dec-06 | | 11.94 | 4920.07 |
| | 25-Sep-06 | | 11.82 | 4920.19 |
| | 17-May-06 | | 11.72 | 4920.29 |
| | 31-Jan-06 | | 12.27 | 4919.74 |
| | 3-Nov-05 | | 11.45 | 4920.56 |
| | 28-Jul-05 | | 11.39 | 4920.62 |
| | 22-Apr-04 | | 11.43 | 4920.58 |
| MW-3 | 10-Oct-13 | 4930.21 | 9.80 | 4920.41 |
| | 25-Mar-13 | | 10.25 | 4919.96 |
| | 22-Aug-12 | | 9.92 | 4920.29 |
| | 21-Feb-12 | | 10.42 | 4919.79 |
| | 26-Dec-06 | | 10.27 | 4919.94 |
| | 25-Sep-06 | | 10.05 | 4920.16 |
| | 17-May-06 | | 10.02 | 4920.19 |
| | 31-Jan-06 | | 10.57 | 4919.64 |
| | 3-Nov-05 | | 9.78 | 4920.43 |
| | 28-Jul-05 | | 9.65 | 4920.56 |
| | 22-Apr-04 | | 9.71 | 4920.50 |
| MW-4 | 1-Oct-13 | 4932.55 | Well Destroyed | |
| | 25-Mar-13 | | 12.64 | 4919.91 |
| | 22-Aug-12 | | 12.32 | 4920.23 |
| | 21-Feb-12 | | 12.81 | 4919.74 |
| | 26-Dec-06 | | 12.64 | 4919.91 |
| | 25-Sep-06 | | 12.42 | 4920.13 |
| | 17-May-06 | | 12.35 | 4920.20 |
| | 31-Jan-06 | | 12.94 | 4919.61 |
| | 3-Nov-05 | | 12.19 | 4920.36 |
| | 28-Jul-05 | | 12.03 | 4920.52 |
| | 22-Apr-04 | | 12.07 | 4920.48 |
| MW-5 | 1-Oct-13 | 4931.85 | Dry | NM |
| | 25-Mar-13 | | Dry | NM |
| | 22-Aug-12 | | Dry | NM |
| | 21-Feb-12 | | Dry | NM |
| | 26-Dec-06 | | 11.54 | 4920.31 |
| | 25-Sep-06 | | 11.15 | 4920.70 |
| | 17-May-06 | | 11.12 | 4920.73 |
| | 31-Jan-06 | | 11.83 | 4920.02 |
| | 3-Nov-05 | | 11.00 | 4920.85 |
| | 28-Jul-05 | | 10.78 | 4921.07 |
| | 22-Apr-04 | | 11.44 | 4920.41 |

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
ATEX # 213, ALBUQUERQUE, NEW MEXICO**

| Monitor Well | Date Measured | Casing Elevation | Depth to Water ¹ | Groundwater Elevation |
|--------------|---------------|------------------|-----------------------------|-----------------------|
| MW-6 | 1-Oct-13 | 4931.51 | 13.18 | 4918.33 |
| | 25-Mar-13 | | 13.14 | 4918.37 |
| | 22-Aug-12 | | 13.00 | 4918.51 |
| | 21-Feb-12 | | 11.58 | 4919.93 |
| | 26-Dec-06 | | 11.89 | 4919.62 |
| | 25-Sep-06 | | 11.37 | 4920.14 |
| | 17-May-06 | | 11.31 | 4920.20 |
| | 31-Jan-06 | | 11.92 | 4919.59 |
| | 3-Nov-05 | | 11.22 | 4920.29 |
| | 28-Jul-05 | | 11.03 | 4920.48 |
| | 22-Apr-04 | | 11.04 | 4920.47 |
| | 26-Dec-06 | 4930.98 | Plugged | |
| MW-10 | 25-Sep-06 | | Plugged | |
| | 17-May-06 | | Plugged | |
| | 31-Jan-06 | | Plugged | |
| | 3-Nov-05 | | Plugged | |
| | 28-Jul-05 | | Plugged | |
| | 22-Apr-04 | | Plugged | |
| MW-29 | 1-Oct-13 | 4930.19 | 9.81 | 4920.38 |
| | 25-Mar-13 | | 10.11 | 4920.08 |
| | 22-Aug-12 | | 9.87 | 4920.32 |
| | 21-Feb-12 | | 10.32 | 4919.87 |
| | 26-Dec-06 | | 11.14 | 4919.05 |
| | 25-Sep-06 | | 10.01 | 4920.18 |
| | 17-May-06 | | 9.89 | 4920.30 |
| | 31-Jan-06 | | 10.45 | 4919.74 |
| | 3-Nov-05 | | 9.66 | 4920.53 |
| | 28-Jul-05 | | 9.56 | 4920.63 |
| | 22-Apr-04 | | 9.60 | 4920.59 |
| MW-38 | 1-Oct-13 | 4929.10 | 8.85 | 4920.25 |
| | 25-Mar-13 | | 9.15 | 4919.95 |
| | 22-Aug-12 | | 8.88 | 4920.22 |
| | 21-Feb-12 | | 9.38 | 4919.72 |
| | 26-Dec-06 | | 9.19 | 4919.91 |
| | 25-Sep-06 | | 8.97 | 4920.13 |
| | 17-May-06 | | 8.90 | 4920.20 |
| | 31-Jan-06 | | 9.49 | 4919.61 |
| | 3-Nov-05 | | 8.70 | 4920.40 |
| | 28-Jul-05 | | 8.56 | 4920.54 |
| | 22-Apr-04 | | 8.62 | 4920.48 |
| BB-2 | 1-Oct-13 | 4931.31 | 11.70 | 4919.61 |
| | 25-Mar-13 | | 12.05 | 4919.26 |
| | 22-Aug-12 | | 11.69 | 4919.62 |
| | 21-Feb-12 | | 12.24 | 4919.07 |
| | 26-Dec-06 | | 12.04 | 4919.27 |
| | 25-Sep-06 | | 11.72 | 4919.59 |
| | 17-May-06 | | 11.66 | 4919.65 |
| | 31-Jan-06 | | 12.36 | 4918.95 |
| | 3-Nov-05 | | 11.56 | 4919.75 |
| | 28-Jul-05 | | 11.34 | 4919.97 |
| | 22-Apr-04 | | 10.88 | 4920.43 |

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
ATEX # 213, ALBUQUERQUE, NEW MEXICO**

| Monitor Well | Date Measured | Casing Elevation | Depth to Water ¹ | Groundwater Elevation |
|--------------|---------------|------------------|-----------------------------|-----------------------|
| NMW-1 | 1-Oct-13 | 4929.81 | 9.41 | 4920.40 |
| | 25-Mar-13 | | 9.75 | 4920.06 |
| | 22-Aug-12 | | 9.48 | 4920.33 |
| | 21-Feb-12 | | 9.93 | 4919.88 |
| | 26-Dec-06 | | 9.75 | 4920.06 |
| | 25-Sep-06 | | 9.62 | 4920.19 |
| | 17-May-06 | | 9.53 | 4920.28 |
| | 31-Jan-06 | | 10.70 | 4919.11 |
| | 3-Nov-05 | | 9.31 | 4920.50 |
| | 28-Jul-05 | | 9.22 | 4920.59 |
| | 22-Apr-04 | | 9.24 | 4920.57 |
| | 28-Jul-05 | 4930.38 | Destroyed | NM |
| | 22-Apr-04 | | 10.03 | 4920.35 |
| NMW-3* | 28-Jul-05 | 4930.56 | Destroyed | NM |
| | 22-Apr-04 | | 10.28 | 4920.28 |
| NMW-4 | 1-Oct-13 | 4929.02 | 9.59 | 4919.43 |
| | 25-Mar-13 | | 9.90 | 4919.12 |
| | 22-Aug-12 | | 9.59 | 4919.43 |
| | 21-Feb-12 | | 10.12 | 4918.90 |
| | 26-Dec-06 | | 10.94 | 4918.08 |
| | 25-Sep-06 | | 9.59 | 4919.43 |
| | 17-May-06 | | NM | NM |
| | 31-Jan-06 | | NM | NM |
| | 3-Nov-05 | | NM | NM |
| | 28-Jul-05 | | NM | NM |
| | 22-Apr-04 | | 10.33 | 4918.69 |
| W-34 | 1-Oct-13 | 4928.70 | Well Paved Over | |
| | 25-Mar-13 | | 8.61 | 4920.09 |
| | 22-Aug-12 | | 8.33 | 4920.37 |
| | 21-Feb-12 | | 8.77 | 4919.93 |
| | 26-Dec-06 | | 8.61 | 4920.09 |
| | 25-Sep-06 | | 8.51 | 4920.19 |
| | 17-May-06 | | 8.40 | 4920.30 |
| | 31-Jan-06 | | 8.92 | 4919.78 |
| | 3-Nov-05 | | 8.11 | 4920.59 |
| | 28-Jul-05 | | 8.09 | 4920.61 |
| | 22-Apr-04 | | 7.92 | 4920.78 |
| W-35 | 1-Oct-13 | 4928.93 | Well Paved Over | |
| | 25-Mar-13 | | 8.85 | 4920.08 |
| | 22-Aug-12 | | 8.55 | 4920.38 |
| | 21-Feb-12 | | 8.99 | 4919.94 |
| | 26-Dec-06 | | 8.83 | 4920.10 |
| | 25-Sep-06 | | 8.74 | 4920.19 |
| | 17-May-06 | | 8.64 | 4920.29 |
| | 31-Jan-06 | | 9.14 | 4919.79 |
| | 3-Nov-05 | | 8.31 | 4920.62 |
| | 28-Jul-05 | | 8.29 | 4920.64 |
| | 22-Apr-04 | | 8.14 | 4920.79 |
| W-36 | 1-Oct-13 | 4929.11 | Well Paved Over | |
| | 25-Mar-13 | | 9.01 | 4920.10 |
| | 22-Aug-12 | | 8.72 | 4920.39 |
| | 21-Feb-12 | | 9.15 | 4919.96 |
| | 26-Dec-06 | | 8.97 | 4920.14 |
| | 25-Sep-06 | | 8.92 | 4920.19 |
| | 17-May-06 | | 8.79 | 4920.32 |
| | 31-Jan-06 | | 9.30 | 4919.81 |
| | 3-Nov-05 | | 8.50 | 4920.61 |
| | 28-Jul-05 | | 8.48 | 4920.63 |
| | 22-Apr-04 | | 8.31 | 4920.80 |

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
ATEX # 213, ALBUQUERQUE, NEW MEXICO**

| Monitor Well | Date Measured | Casing Elevation | Depth to Water ¹ | Groundwater Elevation |
|--------------|---------------|------------------|-----------------------------|-----------------------|
| W-37 | 1-Oct-13 | 4930.10 | Well Paved Over | |
| | 25-Mar-13 | | 9.97 | 4920.13 |
| | 22-Aug-12 | | 9.67 | 4920.43 |
| | 21-Feb-12 | | 10.09 | 4920.01 |
| | 26-Dec-06 | | 8.78 | 4921.32 |
| | 25-Sep-06 | | 9.90 | 4920.20 |
| | 17-May-06 | | 9.74 | 4920.36 |
| | 31-Jan-06 | | 10.22 | 4919.88 |
| | 3-Nov-05 | | 9.49 | 4920.61 |
| | 28-Jul-05 | | 9.43 | 4920.67 |
| | 22-Apr-04 | | 9.26 | 4920.84 |
| | | | | |
| RNMW-2** | 1-Oct-13 | 4930.88 | 10.57 | 4920.31 |
| | 25-Mar-13 | | 10.90 | 4919.98 |
| | 22-Aug-12 | | 10.61 | 4920.27 |
| | 21-Feb-12 | | 11.09 | 4919.79 |
| | 26-Dec-06 | | 10.92 | 4919.96 |
| | 25-Sep-06 | | 10.72 | 4920.16 |
| | 17-May-06 | | 10.64 | 4920.24 |
| | 31-Jan-06 | | 11.23 | 4919.65 |
| | 3-Nov-05 | | 10.44 | 4920.44 |
| | 28-Jul-05 | | 10.33 | 4920.55 |
| RNMW-3** | 1-Oct-13 | 4930.42 | 10.12 | 4920.30 |
| | 25-Mar-13 | | 10.45 | 4919.97 |
| | 22-Aug-12 | | 10.17 | 4920.25 |
| | 21-Feb-12 | | 10.65 | 4919.77 |
| | 26-Dec-06 | | 10.49 | 4919.93 |
| | 25-Sep-06 | | 10.27 | 4920.15 |
| | 17-May-06 | | 10.20 | 4920.22 |
| | 31-Jan-06 | | 10.80 | 4919.62 |
| | 3-Nov-05 | | 9.99 | 4920.43 |
| | 28-Jul-05 | | 9.89 | 4920.53 |

NOTES:

¹ Measured in feet below the top of casing at survey point on north side of well

* = Well Destroyed during source area excavation

** = Replacement well installed 4/27/05

NM = not measured

**TABLE 2. SUMMARY OF SAMPLE ANALYTICAL AND
QUALITY CONTROL REQUIREMENTS
ATEX 213, ALBUQUERQUE, NEW MEXICO**

| Target Analytes | Matrix | Analytical Method | Sample Container | Preservative | Holding Time |
|-----------------|--------|-------------------|-----------------------|------------------------------------|--------------|
| VOCs | Water | EPA 8260B | 3 x 40 mL glass vials | Mercuric Chloride; Cool to <6°C | 14 days |

NOTES:

VOC = Volatile organic compounds

Method 8260B is used to determine VOCs

EPA = U.S. Environmental Protection Agency

°C = degrees Celcius

< = less than

TABLE 3. SUMMARY OF ANALYTICAL RESULTS
ATEX # 213, ALBUQUERQUE, NEW MEXICO

| Well Number | Date Sampled | Benzene | Toluene | Ethyl Benzene | Total Xylenes | MTBE | Total Naphthalenes |
|-------------|--------------|---------|---------|---------------|----------------|-------|--------------------|
| MW-1 | 1-Oct-13 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 22-Aug-12 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 21-Feb-12 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 26-Dec-06 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 25-Sep-06 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 17-May-06 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 31-Jan-06 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 3-Nov-05 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 28-Jul-05 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 22-Apr-04 | <1.0 | <1.0 | 4.8 | <1.0 | <1.0 | 4.3 |
| MW-2 | Jan-98 | ND | 110 | 320 | 370 | 2,200 | NA |
| | 1-Oct-13 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 25-Mar-13 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 22-Aug-12 | <1.0 | <1.0 | <1.0 | <1.5 | 3.0 | <4.0 |
| | 21-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 26-Dec-06 | NS | NS | NS | NS | NS | NS |
| | 25-Sep-06 | <1.0 | <1.0 | <1.0 | <3.0 | 2.5 | <10.0 |
| | 17-May-06 | <1.0 | <1.0 | <1.0 | <3.0 | 1.9 | <10.0 |
| | 31-Jan-06 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| | 3-Nov-05 | NS | NS | NS | NS | NS | NS |
| | 28-Jul-05 | <1.0 | <1.0 | <1.0 | <1.0 | 3.6 | <10.0 |
| | 22-Apr-04 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| MW-3 | Jan-98 | 1.9 | ND | 0.7 | 0.7 | 10 | NA |
| | 10-Oct-13 | 8.1 | 2.3 | 23 | 21 | <1.0 | 178 |
| | 26-Mar-13 | 3.7 | 1.8 | 18 | 22 | <1.0 | 108 |
| | 23-Aug-12 | 6.4 | <5.0 | 19 | 28 | <5.0 | 60 |
| | 21-Feb-12 | 7.4 | <5.0 | 37 | 55 | <5.0 | 142 |
| | 26-Dec-06 | 160 | 58 | 220 | 460 | 530 | 610 |
| | 25-Sep-06 | 62 | 11 | 37 | 100 | 230 | 180 |
| | 17-May-06 | 46 | 6.5 | 29 | 55 | 230 | 142 |
| | 31-Jan-06 | 60 | <20 | 83 | 110 | 500 | 170 |
| | 3-Nov-05 | 180 | 9.7 | 58 | 47 | 920 | 438 |
| | 28-Jul-05 | 52 | <10 | 14 | <10 | 410 | 90 |
| | 22-Apr-04 | 100 | <10 | 25 | 11 | 320 | 98 |
| MW-4 | Jan-98 | 2,400 | 110 | 320 | 370 | 2,200 | NA |
| | 1-Oct-13 | | | | Well Destroyed | | |
| | 25-Mar-13 | <1.0 | <1.0 | <1.0 | <1.5 | 62 | <4.0 |
| | 23-Aug-12 | <1.0 | <1.0 | <1.0 | <1.5 | 46 | <4.0 |
| | 22-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | 18 | <4.0 |
| | 26-Dec-06 | 93 | <10 | <10 | <30 | 790 | <100 |
| | 25-Sep-06 | <1.0 | <1.0 | <1.0 | <3.0 | 580 | <10.0 |
| | 17-May-06 | <1.0 | <1.0 | <1.0 | <3.0 | 180 | <10.0 |
| | 31-Jan-06 | <1.0 | <1.0 | <1.0 | <1.0 | 220 | <10.0 |
| | 3-Nov-05 | <5.0 | <5.0 | <5.0 | <5.0 | 500 | <50 |
| | 28-Jul-05 | <1.0 | <1.0 | <1.0 | <1.0 | 720 | <10.0 |
| | 22-Apr-04 | 590 | <10 | <10 | <10 | 1400 | <100 |

TABLE 3. SUMMARY OF ANALYTICAL RESULTS
ATEX # 213, ALBUQUERQUE, NEW MEXICO

| Well Number | Date Sampled | Benzene | Toluene | Ethyl Benzene | Total Xylenes | MTBE | Total Naphthalenes |
|-------------|--------------|---------|---------|---------------|---------------|-------|--------------------|
| MW-5 | 1-Oct-13 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 25-Mar-13 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 22-Aug-12 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 21-Feb-12 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 26-Dec-06 | <1.0 | <1.0 | <1.0 | <3.0 | 25 | <10.0 |
| | 25-Sep-06 | <1.0 | <1.0 | <1.0 | <3.0 | <1.5 | <10.0 |
| | 17-May-06 | <1.0 | <1.0 | <1.0 | <3.0 | <1.5 | <10.0 |
| | 31-Jan-06 | <1.0 | <1.0 | <1.0 | <1.0 | 190 | <10.0 |
| | 3-Nov-05 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| | 29-Jul-05 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <10.0 |
| | 22-Apr-04 | <1.0 | <1.0 | <1.0 | <1.0 | 280 | <10.0 |
| | Jun-94 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA |
| MW-6 | 1-Oct-13 | Dry | Dry | Dry | Dry | Dry | Dry |
| | 25-Mar-13 | <1.0 | <1.0 | <1.0 | <1.5 | 1.1 | <4.0 |
| | 22-Aug-12 | <1.0 | <1.0 | <1.0 | <1.5 | 1.8 | <4.0 |
| | 22-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 26-Dec-06 | 33 | <10 | 16 | <30 | 720 | 395 |
| | 25-Sep-06 | 84 | <5.0 | 32 | 15 | 1,200 | 630 |
| | 17-May-06 | 20 | <10 | 11 | <30 | 490 | 160 |
| | 31-Jan-06 | 24 | <10 | 20 | 13 | 730 | 253 |
| | 3-Nov-05 | 46 | <5.0 | 28 | 16 | 570 | 380 |
| | 29-Jul-05 | 45 | <20 | <20 | <20 | 800 | 210 |
| | 23-Apr-04 | 50 | <10 | 14 | 15 | 830 | 140 |
| MW-29 | 1-Oct-13 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 25-Mar-13 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 23-Aug-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 21-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 26-Dec-06 | NS | NS | NS | NS | NS | NS |
| | 25-Sep-06 | <1.0 | <1.0 | <1.0 | <1.0 | 7.5 | <10.0 |
| | 17-May-06 | NS | NS | NS | NS | NS | NS |
| | 31-Jan-06 | NS | NS | NS | NS | NS | NS |
| | 3-Nov-05 | NS | NS | NS | NS | NS | NS |
| | 29-Jul-05 | <1.0 | <1.0 | <1.0 | <1.0 | 6.8 | <10.0 |
| | 22-Apr-04 | <1.0 | <1.0 | <1.0 | <1.0 | 14 | <10.0 |
| | 1-Jun-94 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA |
| MW-38 | 1-Oct-13 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 25-Mar-13 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 23-Aug-12 | 1.5 | <1.0 | <1.0 | <1.5 | 1.2 | 15 |
| | 21-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 26-Dec-06 | 13 | <1.0 | 2.5 | <3.0 | <1.5 | 12 |
| | 25-Sep-06 | 1.5 | <1.0 | <1.0 | <3.0 | <1.5 | 3.1 |
| | 17-May-06 | 1.4 | <1.0 | <1.0 | <3.0 | <1.5 | <10.0 |
| | 31-Jan-06 | 2.5 | <1.0 | <1.0 | <1.0 | <1.0 | 2.5 |
| | 3-Nov-05 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| | 29-Jul-05 | 1.4 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| | 22-Apr-04 | 1.7 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| | Jan-98 | 46 | 1.2 | 8.1 | 7.6 | 9 | NA |

TABLE 3. SUMMARY OF ANALYTICAL RESULTS
ATEX # 213, ALBUQUERQUE, NEW MEXICO

| Well Number | Date Sampled | Benzene | Toluene | Ethyl Benzene | Total Xylenes | MTBE | Total Naphthalenes |
|--------------|--------------|---------|---------|---------------|---------------|-------|--------------------|
| BB-2 | 1-Oct-13 | <1.0 | <1.0 | <1.0 | <1.5 | 53 | <4.0 |
| | 25-Mar-13 | <1.0 | <1.0 | <1.0 | <1.5 | 150 | <4.0 |
| | 23-Aug-12 | <1.0 | <1.0 | 1.3 | <1.5 | 94 | 17.0 |
| | 21-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | 290 | <4.0 |
| | 26-Dec-06 | NS | NS | NS | NS | NS | NS |
| | 25-Sep-06 | <1.0 | <1.0 | 1.1 | <1.0 | <1.5 | 15.5 |
| | 17-May-06 | NS | NS | NS | NS | NS | NS |
| | 31-Jan-06 | NS | NS | NS | NS | NS | NS |
| | 3-Nov-05 | NS | NS | NS | NS | NS | NS |
| | 29-Jul-05 | <1.0 | <1.0 | 4.6 | <1.0 | <2.0 | 7.6 |
| | 22-Apr-04 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| | Jan-98 | 5.8 | ND | 50 | 21 | 1,200 | NA |
| NMW-1 | 1-Oct-13 | 290 | 8.4 | 3.1 | 39 | 44 | 52.1 |
| | 26-Mar-13 | 510 | 17 | 22 | 71 | 130 | 126 |
| | 23-Aug-12 | 490 | <10 | 23 | 70 | 94 | 48 |
| | 21-Feb-12 | 390 | <10 | 33 | 38 | 110 | 92 |
| | 26-Dec-06 | 950 | 55 | 44 | 900 | 750 | 760 |
| | 25-Sep-06 | 410 | <10 | <10 | 86 | 420 | 140 |
| | 17-May-06 | 340 | 95 | <20 | 1,700 | 320 | 840 |
| | 31-Jan-06 | 810 | 56 | <50 | 1,100 | 570 | 220 |
| | 3-Nov-05 | 710 | 170 | <50 | 640 | 480 | 190 |
| | 28-Jul-05 | 1,100 | 390 | <50 | 3,600 | 840 | 920 |
| | 22-Apr-04 | 990 | 200 | 28 | 1,100 | 580 | 272 |
| | Jan-98 | NAPL | NAPL | NAPL | NAPL | NAPL | NAPL |
| NMW-2/RNMW-2 | 1-Oct-13 | <1.0 | <1.0 | <1.0 | <1.5 | 61 | <4.0 |
| | 26-Mar-13 | 99 | 1.2 | 1.7 | 2.2 | 220 | 7.4 |
| | 22-Aug-12 | 54 | <1.0 | <1.0 | <1.5 | 290 | 9.6 |
| | 21-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | 83 | <4.0 |
| | 26-Dec-06 | 47 | <10 | <10 | <30 | 1,000 | 20 |
| | 25-Sep-06 | 20 | <10 | 16 | <30 | 1,300 | <100 |
| | 17-May-06 | 310 | <1.0 | 31 | 19 | 550 | 14 |
| | 31-Jan-06 | 11 | <1.0 | 45 | 4.1 | 560 | 3.0 |
| | 3-Nov-05 | 74 | 1.1 | 160 | 52 | 590 | 27.4 |
| | 28-Jul-05 | 320 | 11 | 710 | 120 | 1300 | 39 |
| | 23-Apr-04 | NAPL | NAPL | NAPL | NAPL | NAPL | NAPL |
| | Jan-98 | NAPL | NAPL | NAPL | NAPL | NAPL | NAPL |
| NMW-3/RNMW-3 | 1-Oct-13 | 1.2 | <1.0 | <1.0 | <1.5 | 83 | 4.0 |
| | 26-Mar-13 | 4.6 | <1.0 | <1.0 | <1.5 | 86 | 5.4 |
| | 23-Aug-12 | 1.2 | <1.0 | <1.0 | <1.5 | 170 | 5.5 |
| | 21-Feb-12 | 1.8 | <1.0 | <1.0 | <1.5 | 120 | 4.9 |
| | 26-Dec-06 | 6.4 | <5.0 | <5.0 | <15 | 580 | <50 |
| | 25-Sep-06 | 220 | <5 | 64.0 | <15 | 1,400 | 110 |
| | 17-May-06 | 16 | <1.0 | 7.9 | <3.0 | 370 | <10.0 |
| | 31-Jan-06 | 11 | <1.0 | 16 | 6.4 | 550 | 3.3 |
| | 3-Nov-05 | 130 | 7.7 | 89 | 170 | 1,400 | 32.4 |
| | 28-Jul-05 | 150 | 23 | 270 | 130 | 1,200 | 32.3 |
| | 23-Apr-04 | NAPL | NAPL | NAPL | NAPL | NAPL | NAPL |
| | Jan-98 | NAPL | NAPL | NAPL | NAPL | NAPL | NAPL |

TABLE 3. SUMMARY OF ANALYTICAL RESULTS
ATEX # 213, ALBUQUERQUE, NEW MEXICO

| Well Number | Date Sampled | Benzene | Toluene | Ethyl Benzene | Total Xylenes | MTBE | Total Naphthalenes |
|-------------|--------------|-----------------|---------|---------------|---------------|------|--------------------|
| NMW-4 | 1-Oct-13 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 25-Mar-13 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 23-Aug-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 22-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 26-Dec-06 | <1.0 | <1.0 | <1.0 | <3.0 | <1.5 | <10.0 |
| | 25-Sep-06 | <1.0 | <1.0 | <1.0 | <3.0 | <1.5 | <10.0 |
| | 17-May-06 | <1.0 | <1.0 | <1.0 | <3.0 | 9.7 | <10.0 |
| | 31-Jan-06 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| | 3-Nov-05 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| | 29-Jul-05 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <10.0 |
| | 23-Apr-04 | <1.0 | <1.0 | <1.0 | <1.0 | 2.7 | <10.0 |
| | Jun-94 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA |
| W-34 | 1-Oct-13 | Well Paved Over | | | | | |
| | 25-Mar-13 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 22-Aug-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 21-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 26-Dec-06 | NS | NS | NS | NS | NS | NS |
| | 25-Sep-06 | <1.0 | <1.0 | <1.0 | <3.0 | <1.5 | <10.0 |
| | 17-May-06 | NS | NS | NS | NS | NS | NS |
| | 31-Jan-06 | NS | NS | NS | NS | NS | NS |
| | 3-Nov-05 | NS | NS | NS | NS | NS | NS |
| | 28-Jul-05 | <1.0 | <1.0 | 3.7 | 1.3 | <1.0 | <10.0 |
| | 6-May-04 | <1.0 | <1.0 | 6.7 | 3.4 | <1.0 | <10.0 |
| | Jan-98 | 1.2 | ND | 7.6 | 7.2 | <2.5 | NA |
| W-35 | 1-Oct-13 | Well Paved Over | | | | | |
| | 25-Mar-13 | <1.0 | <1.0 | 32 | <1.5 | <1.0 | 399 |
| | 22-Aug-12 | <1.0 | <1.0 | 6.9 | <1.5 | <1.0 | 55.3 |
| | 21-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 26-Dec-06 | NS | NS | NS | NS | NS | NS |
| | 25-Sep-06 | <1.0 | <1.0 | 12 | <3.0 | <1.5 | 188 |
| | 17-May-06 | NS | NS | NS | NS | NS | NS |
| | 31-Jan-06 | NS | NS | NS | NS | NS | NS |
| | 3-Nov-05 | NS | NS | NS | NS | NS | NS |
| | 28-Jul-05 | <5.0 | <5.0 | 250 | 42 | <5.0 | 400 |
| | 6-May-04 | <1.0 | <1.0 | 110 | 96 | <1.0 | 164 |
| | Jan-98 | ND | 190 | 1700 | 5,600 | ND | NA |
| W-36 | 1-Oct-13 | Well Paved Over | | | | | |
| | 25-Mar-13 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 22-Aug-12 | <1.0 | <1.0 | 2.3 | <1.5 | <1.0 | 11 |
| | 21-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 26-Dec-06 | <1.0 | <1.0 | 15 | 4.5 | <1.5 | 55.3 |
| | 25-Sep-06 | <1.0 | <1.0 | 23 | 3.0 | <1.5 | 81.7 |
| | 17-May-06 | <1.0 | <1.0 | 3.0 | <3.0 | <1.5 | 4.1 |
| | 31-Jan-06 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| | 3-Nov-05 | <1.0 | <1.0 | 2.9 | 3.6 | <1.0 | 3.3 |
| | 28-Jul-05 | <1.0 | <1.0 | 55 | 77 | <1.0 | 76.5 |
| | 6-May-04 | <10 | <10 | 190 | 390 | <10 | 230 |
| | Jan-98 | ND | 4.4 | 39 | 56 | 12 | NA |

TABLE 3. SUMMARY OF ANALYTICAL RESULTS
ATEX # 213, ALBUQUERQUE, NEW MEXICO

| Well Number | Date Sampled | Benzene | Toluene | Ethyl Benzene | Total Xylenes | MTBE | Total Naphthalenes |
|-------------|--------------|-----------------|---------|---------------|---------------|------|--------------------|
| W-37 | 1-Oct-13 | Well Paved Over | | | | | |
| | 25-Mar-13 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 22-Aug-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 21-Feb-12 | <1.0 | <1.0 | <1.0 | <1.5 | <1.0 | <4.0 |
| | 26-Dec-06 | NS | NS | NS | NS | NS | NS |
| | 25-Sep-06 | <1.0 | <1.0 | 12 | <3.0 | <1.5 | <10.0 |
| | 17-May-06 | NS | NS | NS | NS | NS | NS |
| | 31-Jan-06 | NS | NS | NS | NS | NS | NS |
| | 3-Nov-05 | NS | NS | NS | NS | NS | NS |
| | 28-Jul-05 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| | 6-May-04 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <10.0 |
| | Jun-94 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA |

NOTES:

All data reported prior to 2012 from *Groundwater Monitoring Report, Atex #213 UST Release Site- Albuquerque, New Mexico* (Souder Miller Associates, 2007)

All concentrations reported in parts per billion (micrograms per liter)

NA = Not analyzed

NS = Not sampled

ND = Not detected

MTBE = methyl tertiary butyl ether

**TABLE 4. SUMMARY OF FIELD PARAMETERS
ATEX 213, ALBUQUERQUE, NEW MEXICO**

| Well Number | Date Sampled | pH | SpC (μS/cm) | Temp | DO (mg/L) |
|-------------|-----------------------|------|----------------|------|--------------|
| MW-1 | 1-Oct-13 | | DRY | | |
| | 25-Mar-13 | | DRY | | |
| | 22-Aug-12 | | DRY | | |
| | 21-Feb-12 | | DRY | | |
| MW-2 | 1-Oct-13 | 6.31 | 1,023 | 25.5 | -- |
| | 25-Mar-13 | 6.29 | 1,111 | 18.4 | 1.04 |
| | 22-Aug-12 | 8.17 | 950 | 24.5 | 1.31 |
| | 21-Feb-12 | NM | 761 | 19.7 | 1.35 |
| MW-3 | 10-Oct-13 | 7.23 | 942 | 22.6 | 1.15 |
| | 25-Mar-13 | 6.64 | 1,021 | 17.6 | 0.97 |
| | 23-Aug-12 | 8.48 | 963 | 20.9 | 1.07 |
| | 21-Feb-12 | NM | 898 | 18.4 | 1.15 |
| MW-4 | 1-Oct-13 | | Well Destroyed | | |
| | 25-Mar-13 | 6.42 | 946 | 18.0 | 1.20 |
| | 23-Aug-12 | 8.11 | 980 | 24.9 | 1.38 |
| | 22-Feb-12 | 6.09 | 981 | 13.8 | 1.21 |
| MW-5 | 1-Oct-13 | | DRY | | |
| | 25-Mar-13 | | DRY | | |
| | 22-Aug-12 | | DRY | | |
| | 21-Feb-12 | | DRY | | |
| MW-6 | 1-Oct-13 ¹ | NM | NM | NM | NM |
| | 25-Mar-13 | NM | NM | NM | NM |
| | 22-Aug-12 | NM | NM | NM | NM |
| | 22-Feb-12 | 6.37 | 6,310 | 15.6 | NM |
| MW-29 | 1-Oct-13 | 6.29 | 1,024 | 24.9 | -- |
| | 25-Mar-13 | 6.35 | 1,231 | 16.2 | 1.34 |
| | 23-Aug-12 | 7.18 | 1,179 | 26.3 | 0.99 |
| | 21-Feb-12 | NM | 884 | 16.7 | 1.82 |
| MW-38 | 1-Oct-13 | 6.13 | 1,003 | 25.4 | -- |
| | 25-Mar-13 | 6.41 | 1,034 | 17.4 | 0.77 |
| | 23-Aug-12 | 7.79 | 1,090 | 25.1 | 2.1 |
| | 21-Feb-12 | NM | 859 | 17.8 | 1.08 |
| BB-2 | 1-Oct-13 | 6.27 | 952 | 23.2 | -- |
| | 25-Mar-13 | 6.43 | 1,009 | 17.1 | 1.47 |
| | 23-Aug-12 | 7.61 | 1,002 | 26.9 | 1.19 |
| | 21-Feb-12 | NM | 798 | 17.5 | 2.32 |
| NMW-1 | 1-Oct-13 | 6.30 | 1,091 | 26.0 | -- |
| | 26-Mar-13 | 6.31 | 1,124 | 17.1 | 0.63 |
| | 23-Aug-12 | 8.43 | 1,066 | 24.1 | 1.11 |
| | 21-Feb-12 | NM | 904 | 18.2 | 1.18 |

**TABLE 4. SUMMARY OF FIELD PARAMETERS
ATEX 213, ALBUQUERQUE, NEW MEXICO**

| Well Number | Date Sampled | pH | SpC ($\mu\text{S}/\text{cm}$) | Temp | DO (mg/L) |
|---|-----------------------|------|------------------------------------|------------|--------------|
| RNMW-2 | 1-Oct-13 | 6.49 | 1,051 | 24.5 | -- |
| | 26-Mar-13 | 6.43 | 1,048 | 18.6 | 0.74 |
| | 22-Aug-12 | 7.84 | 1,176 | 23.1 | 1.28 |
| | 21-Feb-12 | NM | 852 | 19.3 | 1.14 |
| RNMW-3 | 1-Oct-13 | 6.37 | 1,065 | 25.0 | -- |
| | 26-Mar-13 | 6.71 | 1,002 | 18.5 | 0.70 |
| | 23-Aug-12 | 8.28 | 1,128 | 25.2 | 1.21 |
| | 21-Feb-12 | NM | 976 | 19.1 | 1.52 |
| NMW-4 | 1-Oct-13 ¹ | NM | NM | NM | NM |
| | 25-Mar-13 | NM | NM | NM | NM |
| | 23-Aug-12 | NM | NM | NM | NM |
| | 21-Feb-12 | NM | NM | NM | NM |
| W-34 | 1-Oct-13 | | | Paved Over | |
| | 25-Mar-13 | 6.55 | 1,129 | 17.3 | 0.77 |
| | 22-Aug-12 | 7.59 | 822 | 23.4 | 1.02 |
| | 21-Feb-12 | NM | 820 | 18.5 | 1.07 |
| W-35 | 1-Oct-13 | | | Paved Over | |
| | 25-Mar-13 | 6.63 | 1,238 | 16.7 | 0.84 |
| | 22-Aug-12 | 7.73 | 1,091 | 25.0 | 0.96 |
| | 21-Feb-12 | NM | 852 | 17.7 | 0.97 |
| W-36 | 1-Oct-13 | | | Paved Over | |
| | 25-Mar-13 | 6.24 | 1,143 | 17.5 | 0.75 |
| | 22-Aug-12 | 8.14 | 976 | 24.6 | 1.06 |
| | 21-Feb-12 | NM | 863 | 18.0 | 1.25 |
| W-37 | 1-Oct-13 | | | Paved Over | |
| | 25-Mar-13 | 6.86 | 1,085 | 19.1 | 1.04 |
| | 22-Aug-12 | 6.82 | 1,012 | 24.3 | 1.15 |
| | 21-Feb-12 | NM | 819 | 19.9 | 1.21 |
| NOTES: | | | | | |
| 1 - Unable to obtain parameters due to extremely poor recharge | | | | | |
| DO = Dissolved oxygen. Meter malfunctioning during the October 2013 event | | | | | |
| mg/L = Milligrams per liter | | | | | |
| NM = Not Measured | | | | | |
| SpC = Specific conductance measured in micro siemens per centimeter ($\mu\text{S}/\text{cm}$) | | | | | |
| Temp = Temperature in degrees Celsius | | | | | |
| -- = meter malfunction, parameter not taken | | | | | |
| $\mu\text{S}/\text{cm}$ = Microsiemens per centimeter | | | | | |

FIGURES



LEGEND:

MW-2
MONITORING WELL

50 25 0 50
SCALE IN FEET

ATEX #213
SOUTH VALLEY AREA,
ALBUQUERQUE, BERNALILLO COUNTY,
NEW MEXICO

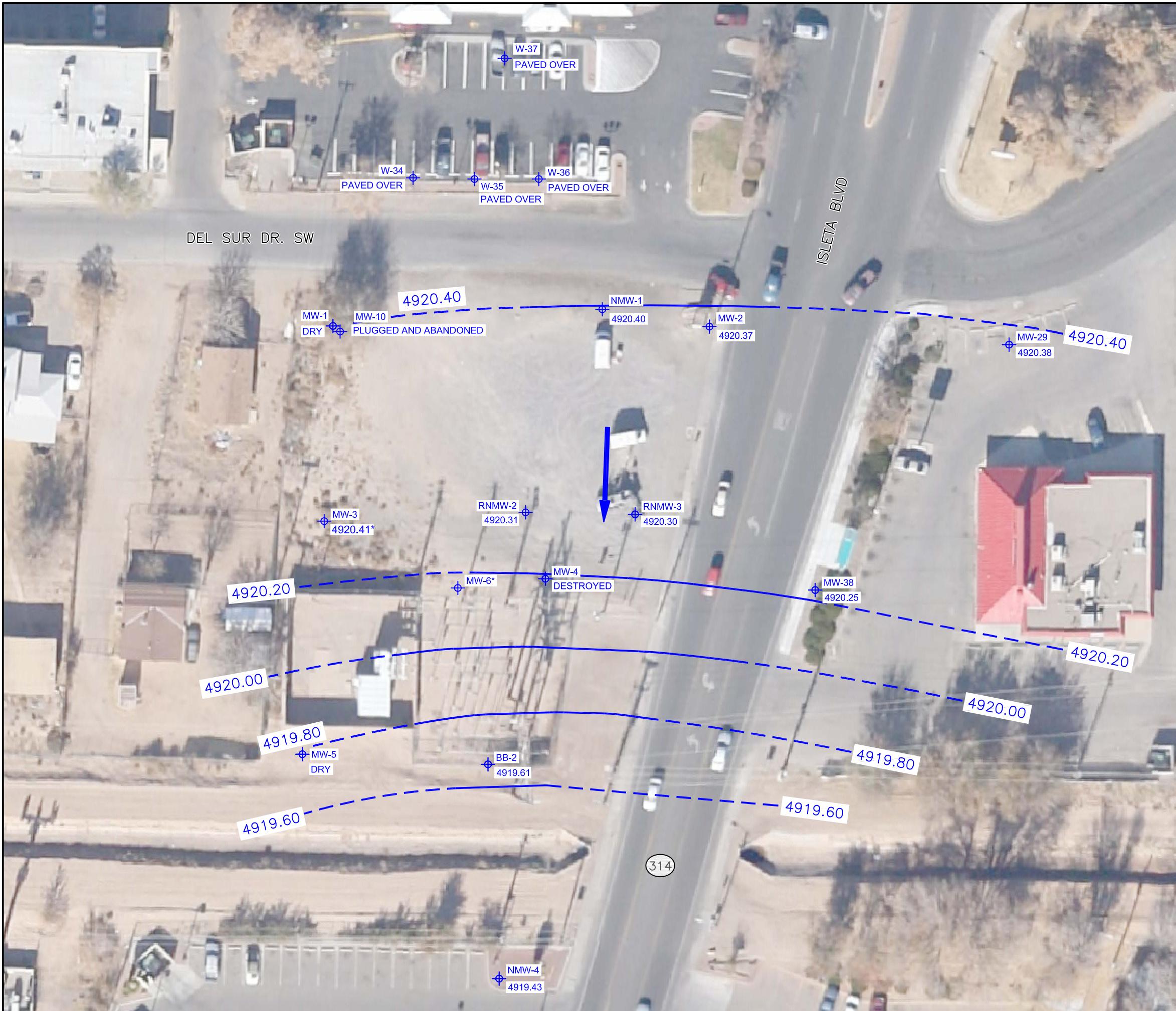
FIGURE 1
SITE LAYOUT
OCTOBER 2013

PROJECT #: 6250106 PROJECT PHASE: 04 PROJECT MANAGER: GD



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Fax: (505) 224-9016

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.



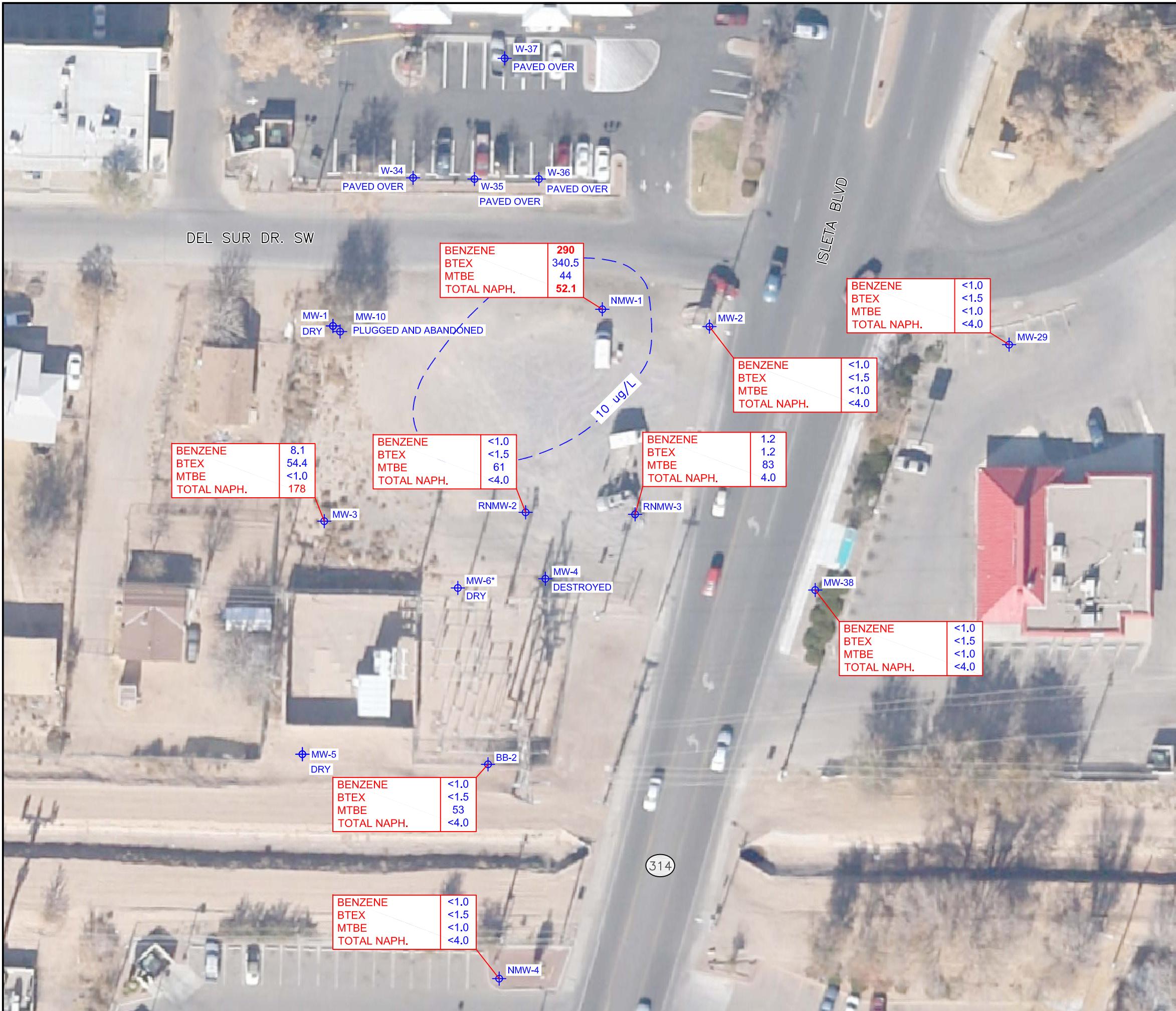
ATEX #213
SOUTH VALLEY AREA,
ALBUQUERQUE, BERNALILLO COUNTY,
NEW MEXICO

FIGURE 2
POTENIOMETRIC SURFACE MAP
OCTOBER 2013

PROJECT #: 6250106 PROJECT PHASE: 04 PROJECT MANAGER: GD

320 Gold Avenue, SW Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013
Fax: (505) 224-9016

EA
EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.



LEGEND:

- MONITORING WELL
- BTEX BENZENE, TOLUENE, ETHYLBENZENE, TOTAL XYLENES
- MTBE METHYL TERTIARY BUTYL ETHER
- TOTAL NAPH. TOTAL NAPHTHALENES
- ESTIMATED EXTENT OF BENZENE (10 $\mu\text{g}/\text{L}$)

NOTES:
1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER ($\mu\text{g}/\text{L}$)

2. RED NUMBER INDICATES CONCENTRATIONS ARE ABOVE NEW MEXICO WATER QUALITY CONTROL COMMISSION (NMWQCC) STANDARDS.

ATEX #213
SOUTH VALLEY AREA,
ALBUQUERQUE, BERNALILLO COUNTY,
NEW MEXICO

FIGURE 3
CONTAMINANT CONCENTRATION MAP
OCTOBER 2013

**APPENDIX A
FIELD FORMS**



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Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | |
|----------------|-------------------|------------------------|---------------------|
| Well ID | <u>BB-2</u> | Date gauged | <u>103 ac</u> |
| Site | <u>ATEX213</u> | Time gauged | <u>1038</u> |
| Depth to PSH | <u> </u> Feet | Well diameter | <u>2"</u> Inches |
| Depth to water | <u>11.70</u> Feet | Height of fluid column | <u>2.65</u> Feet |
| Total depth | <u>14.35</u> Feet | Volume in well | <u>0.45</u> Gallons |

GROUNDWATER SAMPLING DATA

Time/date purged 10-1-13 1410 Purge Method disposable breaker

Actual purge volume _____ gal. Field measurements stabilized within \pm 10%? yes

Field measurements stabilized within $\pm 10\%$?

Time/date sampled 10-1-13 1420 Purged/sampled by A. (Anelaria)

Sample method disposable baster

Requested analyses 82600 B

Comments/observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | |
|----------------|-----------------|------------------------|------------------|
| Well ID | <u>MW-1</u> | Date gauged | <u>10-1-13</u> |
| Site | <u>ATEX 213</u> | Time gauged | <u>1003</u> |
| Depth to PSH | <u> </u> Feet | Well diameter | <u>2"</u> Inches |
| Depth to water | <u>Dry</u> Feet | Height of fluid column | <u> </u> Feet |
| Total depth | <u> </u> Feet | Volume in well | <u> </u> Gallons |

GROUNDWATER SAMPLING DATA

Time/date purged

Purge Method

Actual purge volume _____ gal. Field measurements stabilized within \pm 10%?

Time/date sampled _____ Purged/sampled by _____

Purged/sampled by _____

Sample method _____

Requested analyses _____

Comments/observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | |
|----------------|--------------------|------------------------|---------------------|
| Well ID | <u>MW-2</u> | Date gauged | <u>10-1-13</u> |
| Site | <u>ATEX 213</u> | Time gauged | <u>956</u> |
| Depth to PSH | <u>—</u> Feet | Well diameter | <u>2"</u> Inches |
| Depth to water | <u>11.604</u> Feet | Height of fluid column | <u>5.89</u> Feet |
| Total depth | <u>17.53</u> Feet | Volume in well | <u>1.00</u> Gallons |

(3 well volumes = 3.00 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 10-1-13 1336 Purge Method disposable baileys

Actual purge volume 3.25 gal. Field measurements stabilized within $\pm 10\%$? yes

Time/date sampled 10-1-15 1345 Purged/sampled by A. Canjolarra

disposable bailer

Requested analyses BZ600 B

Comments/observations



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | | | |
|----------------|---------|-------------|------------------------|-------|---------|
| Well ID | MW 4 | Date gauged | 10-1-13 | | |
| Site | ATEX | Time gauged | 1030 | | |
| Depth to PSH | _____ | Feet | Well diameter | 2" | Inches |
| Depth to water | Damaged | Feet | Height of fluid column | _____ | Feet |
| Total depth | _____ | Feet | Volume in well | _____ | Gallons |

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Actual purge volume qal. Field measurements stabilized within $\pm 10\%$?

Field measurements stabilized within $\pm 10\%$?

Time/date sampled _____ Purged/sampled by _____

Purged/sampled by

Sample method

Requested analyses

Comments/observations Well its damaged and obstructed

Appears someone attempted to remove it.

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | |
|----------------|-------------------|------------------------|-------------------|
| Well ID | <u>MW-5</u> | Date gauged | <u>10-1-13</u> |
| Site | <u>ATEX 213</u> | Time gauged | <u>1012</u> |
| Depth to PSH | <u> </u> Feet | Well diameter | <u>2"</u> Inches |
| Depth to water | <u>DT</u> Feet | Height of fluid column | <u> </u> Feet |
| Total depth | <u>10.66</u> Feet | Volume in well | <u> </u> Gallons |

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Actual purge volume gal. Field measurements stabilized within \pm 10%?

Time/date sampled _____ Purged/sampled by _____

Purged/sampled by _____

Sample method _____

Requested analyses _____

Comments/observations

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | |
|----------------|-------------------|------------------------|-------------------------|
| Well ID | <u>MW-10</u> | Date gauged | <u>10-1-13</u> |
| Site | <u>ATEX 213</u> | Time gauged | <u>1020</u> |
| Depth to PSH | | Well diameter | <u>2 1/2"</u> Inches |
| Depth to water | <u>13.18</u> Feet | Height of fluid column | <u>0.22</u> Feet |
| Total depth | <u>13.40</u> Feet | Volume in well | <u>00020.02</u> Gallons |

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Actual purge volume _____ gal. Field measurements stabilized within \pm 10%?

Time/date sampled _____ Purged/sampled by _____

Purged/sampled by _____

Sample method

Requested analyses

Comments/observations Used ~~downs~~ better, but could not receive

2021-12-28 08:00:00 UTC

Exercise 10: Example of the perimeter S.

Well Casing Volumes

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | |
|----------------|-----------------|-------------|------------------------------------|
| Well ID | <u>MW-29</u> | Date gauged | <u>10-1-13</u> |
| Site | <u>ATEX 213</u> | Time gauged | <u>0942</u> |
| Depth to PSH | <u>—</u> | Feet | Well diameter <u>2"</u> Inches |
| Depth to water | <u>9.81</u> | Feet | <u>+03</u> 6.09 Feet |
| Total depth | <u>15.90</u> | Feet | Volume in well <u>1.03</u> Gallons |

GROUNDWATER SAMPLING DATA

Time/date purged 10-1-13 1255 Purge Method disposable bailey

Actual purge volume 3.50 gal. Field measurements stabilized within $\pm 10\%$? Yes

Time/date sampled 10-1-13 1305 Purged/sampled by A. Andelarra

disposable baiter

Requested analyses 8/26/03

Requested analyses Cloud

Comments/observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | |
|----------------|-----------------|------------------------|----------------------|
| Well ID | <u>MW-38</u> | Date gauged | <u>10-1-13</u> |
| Site | <u>ATEX 213</u> | Time gauged | <u>0947</u> |
| Depth to PSH | Feet | Well diameter | <u>2"</u> |
| Depth to water | Feet | Height of fluid column | <u>3.08</u> |
| Total depth | Feet | Volume in well | <u>0.52</u> |
| | | (3 well volumes = | <u>1.57</u> gallons) |

GROUNDWATER SAMPLING DATA

Time/date purged 10-1-13 1315 Purge Method disposable bauer

Actual purge volume 1:75 gal.

Field measurements stabilized within $\pm 10\%$?

Time/date sampled 10-1-13 1324 Purged/sampled by A. Candelaria

Sample method disposable bule

Requested analyses 8260B

Requested analyses 8260B

Comments/observations _____

Comments/observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | |
|----------------|----------------|-------------|---|
| Well ID | <u>NMW-1</u> | Date gauged | <u>10-1-13</u> |
| Site | <u>ATEXZ13</u> | Time gauged | <u>11160</u> |
| Depth to PSH | <u>—</u> | Feet | Well diameter <u>2"</u> Inches |
| Depth to water | <u>9.41</u> | Feet | Height of fluid column <u>5.09</u> Feet |
| Total depth | <u>14.50</u> | Feet | Volume in well <u>0.87</u> Gallons |

(3 well volumes = 2.60 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 10-1-13 1521 Purge Method Disposable bauer

Actual purge volume

Field measurements stabilized within $\pm 10\%$?

yes

Time/date sampled 10-1-13 1530 Purged/sampled by A. Candelaria

Disposable Bouler

Requested analyses 82100 B

Requested analyses 82100 B

Comments/observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | |
|----------------|-------------------|------------------------|---------------------|
| Well ID | <u>NMW-4</u> | Date gauged | <u>69- 10-1-13</u> |
| Site | <u>ATEX 213</u> | Time gauged | <u>0925</u> |
| Depth to PSH | <u>—</u> Feet | Well diameter | <u>2"</u> Inches |
| Depth to water | <u>9.59</u> Feet | Height of fluid column | <u>1.91</u> Feet |
| Total depth | <u>11.50</u> Feet | Volume in well | <u>0.33</u> Gallons |

GROUNDWATER SAMPLING DATA

Time/date purged 10-13 1224 Purge Method Disposable baiter

Actual purge volume 0.85 gal. Field measurements stabilized within $\pm 10\%$?

Time/date sampled 10-1-13 1235 Purged/sampled by A. Canfield

Sample method 820 disposable bailes

Requested analyses 8260 B

Comments/observations Well is crooked. Must use bent pencil

bailer. A lot of sand is present Does not recharge greatly.

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | |
|---------|---------------|-------------|----------------|
| Well ID | <u>RNMW-Z</u> | Date gauged | <u>10-1-13</u> |
| Site | ATEX Z13 | Time gauged | 1117 |

| | | | |
|----------------|-------------------|------------------------|---------------------|
| Depth to PSH | <u> </u> Feet | Well diameter | <u> </u> inches |
| Depth to water | <u>10.57</u> Feet | Height of fluid column | <u>5.43</u> Feet |
| Total depth | <u>16.00</u> Feet | Volume in well | <u>0.93</u> Gallons |

(3 well volumes = 2.77 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 10-1-13 1450 Purge Method disposable bauer

Actual purge volume 3.25 gal.

Field measurements stabilized within $\pm 10\%$?

yes

Time/date sampled 10-1-13 1505 Purged/sampled by A. Candelaria

Sample method disposable bufer

Requested analyses 82100 B

Requested analyses 82100 B

Comments/observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

| | | | |
|--------------------------------|----------|------------------------|---------|
| Well ID | RNMW-3 | Date gauged | 10-1-13 |
| Site | ATEX 213 | Time gauged | 1040 |
| Depth to PSH | | Well diameter | 211 |
| Depth to water | 10.12 | Height of fluid column | 5.7 |
| Total depth | 15.82 | Volume in well | 1.0 |
| (3 well volumes = 3.0 gallons) | | | |

GROUNDWATER SAMPLING DATA

Time/date purged 10-1-13 1434 Purge Method disposable bailer

| Time | Purge Volume (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|------|--------------------|-----------|-------------|------|----------|-----------|
| 1434 | 0.25 | 26.4 | 1191 | 6.34 | | |
| 1437 | 1.50 | 25.5 | 1090 | 6.39 | | |
| 1441 | 3.00 | 25.0 | 1085 | 6.31 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Actual purge volume _____ gal. Field measurements stabilized within ± 10%? yes

Time/date sampled 10-1-13 1445 Purged/sampled by A. Candelaria

Sample method disposable bailer

Requested analyses 8260B

Comments/observations

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-34 Date gauged 10-1-13

Site _____ Time gauged 0935

Depth to PSH _____ Feet Well diameter _____ Inches

Depth to water _____ Feet Height of fluid column _____ Feet

Total depth _____ Feet Volume in well _____ Gallons

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Actual purge volume _____ gal. Field measurements stabilized within \pm 10%? _____

Field measurements stabilized within $\pm 10\%$?

Time/date sampled Purged/sampled by

Purged/sampled by

Sample method

Requested analyses

Comments/observations

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W 33 Date gauged 10-1-13

Date gauged

10-1-13

Site _____ Time gauged _____ 0935

Time gauged

0935

Depth to PSH _____ Feet _____ Well diameter _____ Inches _____

Depth to water _____ Feet Height of fluid column _____ Feet

Total depth _____ Feet Volume in well _____ Gallons _____

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Actual purge volume _____ gal. Field measurements stabilized within \pm 10%?

Field measurements stabilized within $\pm 10\%$?

Purged/sampled by

Sample method

Requested analyses

Comments/observations

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-36 Date gauged 10-1-13

Date gauged

10-1-13

Site _____ Time gauged 0933

Time gauged

0935

Depth to PSH _____ Feet Well diameter _____ Inches

Well diameter

Inches

Depth to water _____ Feet Height of fluid column _____ Feet

Height of fluid column

Feet

Total depth _____ Feet Volume in well _____ Gallons

Volume in well

Gallons

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Actual purge volume _____ gal. Field measurements stabilized within \pm 10%?

Field measurements stabilized within $\pm 10\%$?

Time/date sampled _____ Purged/sampled by _____

Purged/sampled by

Sample method

Requested analyses

Comments/observations

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-37 Date gauged 10-1-13

Site _____ Time gauged 0933

Depth to PSH _____ Feet Well diameter _____ Inches

Depth to water _____ Feet Height of fluid column _____ Feet

Total depth _____ Feet Volume in well _____ Gallons

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Actual purge volume _____ gal. Field measurements stabilized within \pm 10%?

Field measurements stabilized within $\pm 10\%$?

Time/date sampled _____ Purged/sampled by _____

Purged/sampled by

Sample method _____

Requested analyses _____

Comments/observations

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft

APPENDIX B
ANALYTICAL LABORATORY REPORTS



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 07, 2013

Gary Desselle

EA Engineering, Science and Technology

320 Gold Ave SW Suite 1210

Albuquerque, NM 87102

TEL: (505) 224-9013

FAX:

RE: ATEX 213

OrderNo.: 1310125

Dear Gary Desselle:

Hall Environmental Analysis Laboratory received 9 sample(s) on 10/2/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-001

Matrix: AQUEOUS

Client Sample ID: RNMW-3

Collection Date: 10/1/2013 2:45:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|-----|------|-------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| Benzene | 1.2 | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Methyl tert-butyl ether (MTBE) | 83 | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Naphthalene | 4.0 | 2.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 2-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Acetone | ND | 10 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Bromoform | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Bromomethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 2-Butanone | ND | 10 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Carbon disulfide | ND | 10 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Carbon Tetrachloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Chloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Chloroform | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Chloromethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| cis-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 2,2-Dichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

Page 1 of 21

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-001

Matrix: AQUEOUS

Client Sample ID: RNMW-3

Collection Date: 10/1/2013 2:45:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 2-Hexanone | ND | 10 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Isopropylbenzene | 3.0 | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 4-Methyl-2-pentanone | ND | 10 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Methylene Chloride | ND | 3.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| n-Butylbenzene | ND | 3.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| n-Propylbenzene | 7.0 | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| sec-Butylbenzene | 1.5 | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Styrene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Tetrachloroethene (PCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| trans-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Trichloroethene (TCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| 1,2,3-Trichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Surr: 1,2-Dichloroethane-d4 | 97.3 | 70-130 | | %REC | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Surr: 4-Bromofluorobenzene | 88.5 | 70-130 | | %REC | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Surr: Dibromofluoromethane | 94.0 | 70-130 | | %REC | 1 | 10/3/2013 5:11:28 PM | R13818 |
| Surr: Toluene-d8 | 98.8 | 70-130 | | %REC | 1 | 10/3/2013 5:11:28 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

Page 2 of 21

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-002

Matrix: AQUEOUS

Client Sample ID: NMW-1

Collection Date: 10/1/2013 3:30:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|-----|------|-------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| Benzene | 290 | 10 | | µg/L | 10 | 10/3/2013 7:05:40 PM | R13818 |
| Toluene | 8.4 | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Ethylbenzene | 3.1 | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Methyl tert-butyl ether (MTBE) | 44 | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,2,4-Trimethylbenzene | 3.6 | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,3,5-Trimethylbenzene | 11 | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Naphthalene | 20 | 2.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1-Methylnaphthalene | 26 | 4.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 2-Methylnaphthalene | 6.1 | 4.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Acetone | ND | 10 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Bromoform | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Bromomethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 2-Butanone | ND | 10 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Carbon disulfide | ND | 10 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Carbon Tetrachloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Chloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Chloroform | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Chloromethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| cis-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 2,2-Dichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-002

Matrix: AQUEOUS

Client Sample ID: NMW-1

Collection Date: 10/1/2013 3:30:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 2-Hexanone | ND | 10 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Isopropylbenzene | 2.7 | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 4-Methyl-2-pentanone | ND | 10 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Methylene Chloride | ND | 3.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| n-Butylbenzene | ND | 3.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| n-Propylbenzene | 1.1 | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| sec-Butylbenzene | 1.4 | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Styrene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Tetrachloroethene (PCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| trans-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Trichloroethene (TCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| 1,2,3-Trichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Xylenes, Total | 39 | 1.5 | | µg/L | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Surr: 1,2-Dichloroethane-d4 | 114 | 70-130 | | %REC | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Surr: 4-Bromofluorobenzene | 90.6 | 70-130 | | %REC | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Surr: Dibromofluoromethane | 96.0 | 70-130 | | %REC | 1 | 10/3/2013 7:34:19 PM | R13818 |
| Surr: Toluene-d8 | 95.5 | 70-130 | | %REC | 1 | 10/3/2013 7:34:19 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-003

Matrix: AQUEOUS

Client Sample ID: MW-29

Collection Date: 10/1/2013 1:05:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|-----|------|-------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| Benzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Methyl tert-butyl ether (MTBE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Naphthalene | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 2-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Acetone | ND | 10 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Bromoform | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Bromomethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 2-Butanone | ND | 10 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Carbon disulfide | ND | 10 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Carbon Tetrachloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Chloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Chloroform | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Chloromethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| cis-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 2,2-Dichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

Page 5 of 21

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-003

Matrix: AQUEOUS

Client Sample ID: MW-29

Collection Date: 10/1/2013 1:05:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 2-Hexanone | ND | 10 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 4-Methyl-2-pentanone | ND | 10 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Methylene Chloride | ND | 3.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| n-Butylbenzene | ND | 3.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Styrene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Tetrachloroethene (PCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| trans-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Trichloroethene (TCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| 1,2,3-Trichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Surr: 1,2-Dichloroethane-d4 | 90.6 | 70-130 | | %REC | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Surr: 4-Bromofluorobenzene | 98.4 | 70-130 | | %REC | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Surr: Dibromofluoromethane | 90.7 | 70-130 | | %REC | 1 | 10/3/2013 9:30:51 PM | R13818 |
| Surr: Toluene-d8 | 95.7 | 70-130 | | %REC | 1 | 10/3/2013 9:30:51 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-004

Matrix: AQUEOUS

Client Sample ID: MW-2

Collection Date: 10/1/2013 1:45:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|-----|------|-------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| Benzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Methyl tert-butyl ether (MTBE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Naphthalene | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 2-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Acetone | ND | 10 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Bromoform | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Bromomethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 2-Butanone | ND | 10 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Carbon disulfide | ND | 10 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Carbon Tetrachloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Chloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Chloroform | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Chloromethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| cis-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 2,2-Dichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-004

Matrix: AQUEOUS

Client Sample ID: MW-2

Collection Date: 10/1/2013 1:45:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 2-Hexanone | ND | 10 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 4-Methyl-2-pentanone | ND | 10 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Methylene Chloride | ND | 3.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| n-Butylbenzene | ND | 3.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Styrene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Tetrachloroethene (PCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| trans-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Trichloroethene (TCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| 1,2,3-Trichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Surr: 1,2-Dichloroethane-d4 | 90.5 | 70-130 | | %REC | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Surr: 4-Bromofluorobenzene | 98.4 | 70-130 | | %REC | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Surr: Dibromofluoromethane | 93.1 | 70-130 | | %REC | 1 | 10/3/2013 9:59:41 PM | R13818 |
| Surr: Toluene-d8 | 97.6 | 70-130 | | %REC | 1 | 10/3/2013 9:59:41 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-005

Matrix: AQUEOUS

Client Sample ID: MW-38

Collection Date: 10/1/2013 1:24:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|-----|------|-------|-----------------------|---------------|--------------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| Benzene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | Analyst: JMP |
| Toluene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Methyl tert-butyl ether (MTBE) | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Naphthalene | ND | 2.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1-Methylnaphthalene | ND | 4.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 2-Methylnaphthalene | ND | 4.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Acetone | ND | 10 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Bromobenzene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Bromodichloromethane | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Bromoform | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Bromomethane | ND | 3.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 2-Butanone | ND | 10 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Carbon disulfide | ND | 10 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Carbon Tetrachloride | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Chlorobenzene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Chloroethane | ND | 2.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Chloroform | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Chloromethane | ND | 3.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 2-Chlorotoluene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 4-Chlorotoluene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| cis-1,2-DCE | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| cis-1,3-Dichloropropene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Dibromochloromethane | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Dibromomethane | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,2-Dichlorobenzene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,3-Dichlorobenzene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,4-Dichlorobenzene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| Dichlorodifluoromethane | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,1-Dichloroethane | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,1-Dichloroethene | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,2-Dichloropropane | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 1,3-Dichloropropane | ND | 1.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |
| 2,2-Dichloropropane | ND | 2.0 | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-005

Matrix: AQUEOUS

Client Sample ID: MW-38

Collection Date: 10/1/2013 1:24:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|--------|------|-------|----|-----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| 2-Hexanone | ND | 10 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| 4-Methyl-2-pentanone | ND | 10 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Methylene Chloride | ND | 3.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| n-Butylbenzene | ND | 3.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Styrene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Tetrachloroethene (PCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| trans-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Trichloroethene (TCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| 1,2,3-Trichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Surr: 1,2-Dichloroethane-d4 | 96.2 | 70-130 | | %REC | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Surr: 4-Bromofluorobenzene | 93.7 | 70-130 | | %REC | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Surr: Dibromofluoromethane | 92.5 | 70-130 | | %REC | 1 | 10/3/2013 10:28:57 PM | R13818 |
| Surr: Toluene-d8 | 95.7 | 70-130 | | %REC | 1 | 10/3/2013 10:28:57 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

Page 10 of 21

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-006

Matrix: AQUEOUS

Client Sample ID: BB-2

Collection Date: 10/1/2013 2:20:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|-----|------|-------|----|-----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| Benzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Methyl tert-butyl ether (MTBE) | 53 | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Naphthalene | ND | 2.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 2-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Acetone | ND | 10 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Bromoform | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Bromomethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 2-Butanone | ND | 10 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Carbon disulfide | ND | 10 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Carbon Tetrachloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Chloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Chloroform | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Chloromethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| cis-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 2,2-Dichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-006

Matrix: AQUEOUS

Client Sample ID: BB-2

Collection Date: 10/1/2013 2:20:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|--------|------|-------|----|-----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 2-Hexanone | ND | 10 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Isopropylbenzene | 2.1 | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 4-Methyl-2-pentanone | ND | 10 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Methylene Chloride | ND | 3.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| n-Butylbenzene | ND | 3.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| n-Propylbenzene | 7.1 | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| sec-Butylbenzene | 2.3 | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Styrene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Tetrachloroethene (PCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| trans-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Trichloroethene (TCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| 1,2,3-Trichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Surr: 1,2-Dichloroethane-d4 | 94.4 | 70-130 | | %REC | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Surr: 4-Bromofluorobenzene | 93.6 | 70-130 | | %REC | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Surr: Dibromofluoromethane | 90.6 | 70-130 | | %REC | 1 | 10/3/2013 10:57:37 PM | R13818 |
| Surr: Toluene-d8 | 95.7 | 70-130 | | %REC | 1 | 10/3/2013 10:57:37 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit Page 12 of 21
P Sample pH greater than 2 for VOA and TOC only.
RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-007

Matrix: AQUEOUS

Client Sample ID: NMW-4

Collection Date: 10/1/2013 12:35:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|-----|------|-------|----|-----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| Benzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Methyl tert-butyl ether (MTBE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Naphthalene | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 2-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Acetone | ND | 10 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Bromoform | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Bromomethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 2-Butanone | ND | 10 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Carbon disulfide | ND | 10 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Carbon Tetrachloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Chloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Chloroform | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Chloromethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| cis-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 2,2-Dichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-007

Matrix: AQUEOUS

Client Sample ID: NMW-4

Collection Date: 10/1/2013 12:35:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|--------|------|-------|----|-----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 2-Hexanone | ND | 10 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 4-Methyl-2-pentanone | ND | 10 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Methylene Chloride | ND | 3.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| n-Butylbenzene | ND | 3.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Styrene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Tetrachloroethene (PCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| trans-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Trichloroethene (TCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| 1,2,3-Trichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Surr: 1,2-Dichloroethane-d4 | 93.3 | 70-130 | | %REC | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Surr: 4-Bromofluorobenzene | 97.5 | 70-130 | | %REC | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Surr: Dibromofluoromethane | 93.1 | 70-130 | | %REC | 1 | 10/3/2013 11:26:16 PM | R13818 |
| Surr: Toluene-d8 | 97.5 | 70-130 | | %REC | 1 | 10/3/2013 11:26:16 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-008

Matrix: AQUEOUS

Client Sample ID: RNMW-2

Collection Date: 10/1/2013 3:05:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|-----|------|-------|----|-----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| Benzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Methyl tert-butyl ether (MTBE) | 61 | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Naphthalene | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 2-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Acetone | ND | 10 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Bromoform | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Bromomethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 2-Butanone | ND | 10 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Carbon disulfide | ND | 10 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Carbon Tetrachloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Chloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Chloroform | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Chloromethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| cis-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 2,2-Dichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-008

Matrix: AQUEOUS

Client Sample ID: RNMW-2

Collection Date: 10/1/2013 3:05:00 PM
Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|--------|------|-------|----|-----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 2-Hexanone | ND | 10 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 4-Methyl-2-pentanone | ND | 10 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Methylene Chloride | ND | 3.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| n-Butylbenzene | ND | 3.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Styrene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Tetrachloroethene (PCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| trans-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Trichloroethene (TCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| 1,2,3-Trichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Surr: 1,2-Dichloroethane-d4 | 91.8 | 70-130 | | %REC | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Surr: 4-Bromofluorobenzene | 93.5 | 70-130 | | %REC | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Surr: Dibromofluoromethane | 90.8 | 70-130 | | %REC | 1 | 10/3/2013 11:55:02 PM | R13818 |
| Surr: Toluene-d8 | 97.1 | 70-130 | | %REC | 1 | 10/3/2013 11:55:02 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-009

Matrix: TRIP BLANK

Client Sample ID: Trip Blank

Collection Date:

Received Date: 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|-----|------|-------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| Benzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Methyl tert-butyl ether (MTBE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Naphthalene | ND | 2.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 2-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Acetone | ND | 10 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Bromoform | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Bromomethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 2-Butanone | ND | 10 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Carbon disulfide | ND | 10 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Carbon Tetrachloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Chloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Chloroform | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Chloromethane | ND | 3.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| cis-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 2,2-Dichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1310125

Date Reported: 10/7/2013

CLIENT: EA Engineering, Science and Technology
Project: ATEX 213
Lab ID: 1310125-009

Client Sample ID: Trip Blank
Collection Date:

Matrix: TRIP BLANK **Received Date:** 10/2/2013 9:29:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------|
| EPA METHOD 8260B: VOLATILES | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 2-Hexanone | ND | 10 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 4-Methyl-2-pentanone | ND | 10 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Methylene Chloride | ND | 3.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| n-Butylbenzene | ND | 3.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Styrene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Tetrachloroethene (PCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| trans-1,2-DCE | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Trichloroethene (TCE) | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| 1,2,3-Trichloropropane | ND | 2.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Surr: 1,2-Dichloroethane-d4 | 94.6 | 70-130 | | %REC | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Surr: 4-Bromofluorobenzene | 93.3 | 70-130 | | %REC | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Surr: Dibromofluoromethane | 96.6 | 70-130 | | %REC | 1 | 10/3/2013 4:43:02 PM | R13818 |
| Surr: Toluene-d8 | 96.3 | 70-130 | | %REC | 1 | 10/3/2013 4:43:02 PM | R13818 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

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RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1310125

07-Oct-13

Client: EA Engineering, Science and Technology

Project: ATEX 213

| Sample ID: 5mL rb | SampType: MBLK | TestCode: EPA Method 8260B: VOLATILES | | | | | | | | |
|--------------------------------|--------------------------|---------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R13818 | RunNo: 13818 | | | | | | | | |
| Prep Date: | Analysis Date: 10/3/2013 | SeqNo: 394826 Units: µg/L | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 1.0 | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 1,2-Dichloroethane (EDC) | ND | 1.0 | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | | | | | | | | |
| Naphthalene | ND | 2.0 | | | | | | | | |
| 1-Methylnaphthalene | ND | 4.0 | | | | | | | | |
| 2-Methylnaphthalene | ND | 4.0 | | | | | | | | |
| Acetone | ND | 10 | | | | | | | | |
| Bromobenzene | ND | 1.0 | | | | | | | | |
| Bromodichloromethane | ND | 1.0 | | | | | | | | |
| Bromoform | ND | 1.0 | | | | | | | | |
| Bromomethane | ND | 3.0 | | | | | | | | |
| 2-Butanone | ND | 10 | | | | | | | | |
| Carbon disulfide | ND | 10 | | | | | | | | |
| Carbon Tetrachloride | ND | 1.0 | | | | | | | | |
| Chlorobenzene | ND | 1.0 | | | | | | | | |
| Chloroethane | ND | 2.0 | | | | | | | | |
| Chloroform | ND | 1.0 | | | | | | | | |
| Chloromethane | ND | 3.0 | | | | | | | | |
| 2-Chlorotoluene | ND | 1.0 | | | | | | | | |
| 4-Chlorotoluene | ND | 1.0 | | | | | | | | |
| cis-1,2-DCE | ND | 1.0 | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 1.0 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | | | | | | | | |
| Dibromochloromethane | ND | 1.0 | | | | | | | | |
| Dibromomethane | ND | 1.0 | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| Dichlorodifluoromethane | ND | 1.0 | | | | | | | | |
| 1,1-Dichloroethane | ND | 1.0 | | | | | | | | |
| 1,1-Dichloroethene | ND | 1.0 | | | | | | | | |
| 1,2-Dichloropropane | ND | 1.0 | | | | | | | | |
| 1,3-Dichloropropane | ND | 1.0 | | | | | | | | |
| 2,2-Dichloropropane | ND | 2.0 | | | | | | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1310125

07-Oct-13

Client: EA Engineering, Science and Technology

Project: ATEX 213

| Sample ID: 5mL rb | SampType: MBLK | TestCode: EPA Method 8260B: VOLATILES | | | | | | | | |
|-----------------------------|--------------------------|---------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R13818 | RunNo: 13818 | | | | | | | | |
| Prep Date: | Analysis Date: 10/3/2013 | SeqNo: 394826 Units: µg/L | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 1,1-Dichloropropene | ND | 1.0 | | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | | | | | | | | |
| 2-Hexanone | ND | 10 | | | | | | | | |
| Isopropylbenzene | ND | 1.0 | | | | | | | | |
| 4-Isopropyltoluene | ND | 1.0 | | | | | | | | |
| 4-Methyl-2-pentanone | ND | 10 | | | | | | | | |
| Methylene Chloride | ND | 3.0 | | | | | | | | |
| n-Butylbenzene | ND | 3.0 | | | | | | | | |
| n-Propylbenzene | ND | 1.0 | | | | | | | | |
| sec-Butylbenzene | ND | 1.0 | | | | | | | | |
| Styrene | ND | 1.0 | | | | | | | | |
| tert-Butylbenzene | ND | 1.0 | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | | | | | | | |
| Tetrachloroethene (PCE) | ND | 1.0 | | | | | | | | |
| trans-1,2-DCE | ND | 1.0 | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 1.0 | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1.0 | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.0 | | | | | | | | |
| Trichloroethene (TCE) | ND | 1.0 | | | | | | | | |
| Trichlorofluoromethane | ND | 1.0 | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 2.0 | | | | | | | | |
| Vinyl chloride | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 1.5 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.2 | 10.00 | | 92.4 | 70 | 130 | | | | |
| Surr: 4-Bromofluorobenzene | 9.8 | 10.00 | | 97.6 | 70 | 130 | | | | |
| Surr: Dibromofluoromethane | 9.7 | 10.00 | | 97.2 | 70 | 130 | | | | |
| Surr: Toluene-d8 | 9.7 | 10.00 | | 97.0 | 70 | 130 | | | | |

| Sample ID: 100ng lcs | SampType: LCS | TestCode: EPA Method 8260B: VOLATILES | | | | | | | | |
|----------------------|--------------------------|---------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R13818 | RunNo: 13818 | | | | | | | | |
| Prep Date: | Analysis Date: 10/3/2013 | SeqNo: 394828 Units: µg/L | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 18 | 1.0 | 20.00 | 0 | 89.2 | 70 | 130 | | | |
| Toluene | 19 | 1.0 | 20.00 | 0 | 92.6 | 82.2 | 124 | | | |
| Chlorobenzene | 18 | 1.0 | 20.00 | 0 | 89.2 | 70 | 130 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1310125

07-Oct-13

Client: EA Engineering, Science and Technology

Project: ATEX 213

| Sample ID: 100ng lcs | | SampType: LCS | | TestCode: EPA Method 8260B: VOLATILES | | | | | | |
|-----------------------------|--------|----------------|---|---------------------------------------|------|----------|-------------|------|----------|------|
| Client ID: | LCSW | Batch ID: | R13818 <th data-cs="7" data-kind="parent">RunNo: 13818</th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | RunNo: 13818 | | | | | | |
| Prep Date: | | Analysis Date: | 10/3/2013 | SeqNo: 394828 | | | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 1,1-Dichloroethene | 20 | 1.0 | 20.00 | 0 | 100 | 83.5 | 155 | | | |
| Trichloroethene (TCE) | 17 | 1.0 | 20.00 | 0 | 86.5 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.2 | | 10.00 | | 92.4 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 9.7 | | 10.00 | | 97.5 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 9.6 | | 10.00 | | 95.6 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.5 | | 10.00 | | 94.8 | 70 | 130 | | | |

| Sample ID: 1310125-001ams | | SampType: MS | | TestCode: EPA Method 8260B: VOLATILES | | | | | | |
|-----------------------------|--------|----------------|---|---------------------------------------|------|----------|-------------|------|----------|------|
| Client ID: | RNMW-3 | Batch ID: | R13818 <th data-cs="7" data-kind="parent">RunNo: 13818</th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | RunNo: 13818 | | | | | | |
| Prep Date: | | Analysis Date: | 10/3/2013 | SeqNo: 394839 | | | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 18 | 1.0 | 20.00 | 1.246 | 82.0 | 67.9 | 137 | | | |
| Toluene | 19 | 1.0 | 20.00 | 0 | 92.9 | 77 | 127 | | | |
| Chlorobenzene | 18 | 1.0 | 20.00 | 0 | 90.3 | 70 | 130 | | | |
| 1,1-Dichloroethene | 19 | 1.0 | 20.00 | 0 | 97.4 | 66.5 | 131 | | | |
| Trichloroethene (TCE) | 16 | 1.0 | 20.00 | 0 | 82.3 | 66.3 | 134 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.6 | | 10.00 | | 96.4 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 9.2 | | 10.00 | | 91.6 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 9.3 | | 10.00 | | 93.4 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.6 | | 10.00 | | 96.5 | 70 | 130 | | | |

| Sample ID: 1310125-001amsd | | SampType: MSD | | TestCode: EPA Method 8260B: VOLATILES | | | | | | |
|-----------------------------|--------|----------------|---|---------------------------------------|------|----------|-------------|-------|----------|------|
| Client ID: | RNMW-3 | Batch ID: | R13818 <th data-cs="7" data-kind="parent">RunNo: 13818</th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | RunNo: 13818 | | | | | | |
| Prep Date: | | Analysis Date: | 10/3/2013 | SeqNo: 394840 | | | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 18 | 1.0 | 20.00 | 1.246 | 82.1 | 67.9 | 137 | 0.170 | 20 | |
| Toluene | 18 | 1.0 | 20.00 | 0 | 90.9 | 77 | 127 | 2.18 | 20 | |
| Chlorobenzene | 17 | 1.0 | 20.00 | 0 | 87.3 | 70 | 130 | 3.38 | 20 | |
| 1,1-Dichloroethene | 19 | 1.0 | 20.00 | 0 | 92.6 | 66.5 | 131 | 5.06 | 20 | |
| Trichloroethene (TCE) | 15 | 1.0 | 20.00 | 0 | 77.2 | 66.3 | 134 | 6.39 | 20 | |
| Surr: 1,2-Dichloroethane-d4 | 9.6 | | 10.00 | | 96.4 | 70 | 130 | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 9.2 | | 10.00 | | 92.4 | 70 | 130 | 0 | 0 | |
| Surr: Dibromofluoromethane | 9.5 | | 10.00 | | 95.0 | 70 | 130 | 0 | 0 | |
| Surr: Toluene-d8 | 9.7 | | 10.00 | | 97.2 | 70 | 130 | 0 | 0 | |

| Qualifiers: | | | | | | | | | | |
|-------------|---|----|--|--|--|--|--|--|--|--|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank | | | | | | | |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | | | | | | | |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | | | | | | | |
| O | RSD is greater than RSDlimit | P | Sample pH greater than 2 for VOA and TOC only. | | | | | | | |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | | | | | | | |
| S | Spike Recovery outside accepted recovery limits | | | | | | | | | |

Sample Log-In Check List

Client Name: EA Engineering Alb

Work Order Number: 1310125

RcptNo: 1

Received by/date:

LM

10/02/13

Michelle Garcia

Logged By: Michelle Garcia

10/2/2013 9:29:00 AM

Michelle Garcia

Completed By: Michelle Garcia

10/2/2013 2:44:10 PM

Michelle Garcia

Reviewed By:

ashley d 10/4

Michelle Garcia

Chain of Custody

1. Custody seals intact on sample bottles? Yes No Not Present
 2. Is Chain of Custody complete? Yes No Not Present
 3. How was the sample delivered? Client

Log In

4. Was an attempt made to cool the samples? Yes No NA
 5. Were all samples received at a temperature of >0°C to 6.0°C Yes No NA
 6. Sample(s) in proper container(s)? Yes No
 7. Sufficient sample volume for indicated test(s)? Yes No
 8. Are samples (except VOA and ONG) properly preserved? Yes No
 9. Was preservative added to bottles? Yes No NA
 10. VOA vials have zero headspace? Yes No No VOA Vials
 11. Were any sample containers received broken? Yes No
 12. Does paperwork match bottle labels?
 (Note discrepancies on chain of custody) Yes No
 13. Are matrices correctly identified on Chain of Custody? Yes No
 14. Is it clear what analyses were requested? Yes No
 15. Were all holding times able to be met?
 (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH:
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes No NA

| | |
|----------------------|--|
| Person Notified: | Date: |
| By Whom: | Via: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | |
| Client Instructions: | |

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 4.5 | Good | Not Present | | | |

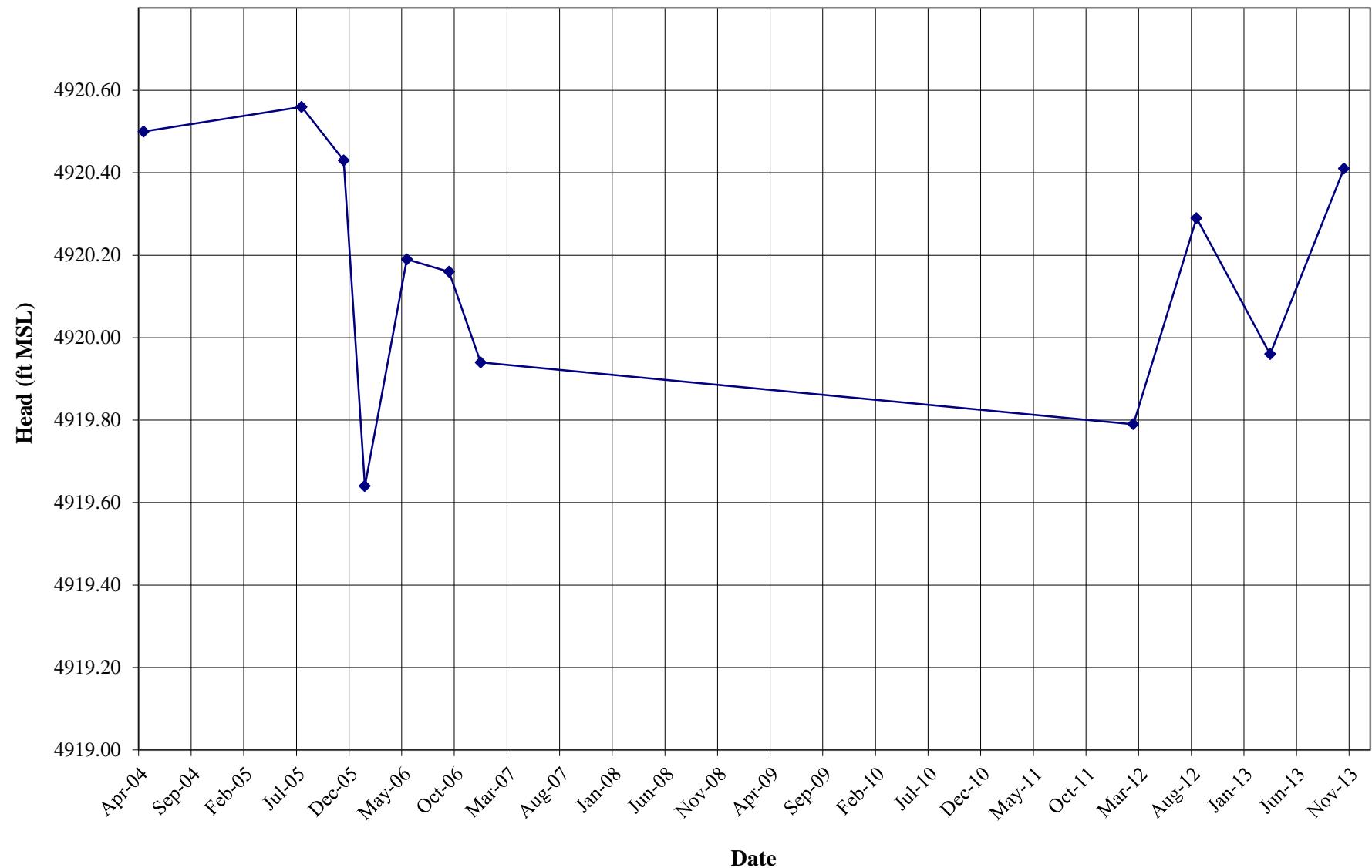
APPENDIX C

HYDROGRAPHS

HYDROGRAPH FOR WELL MW-2



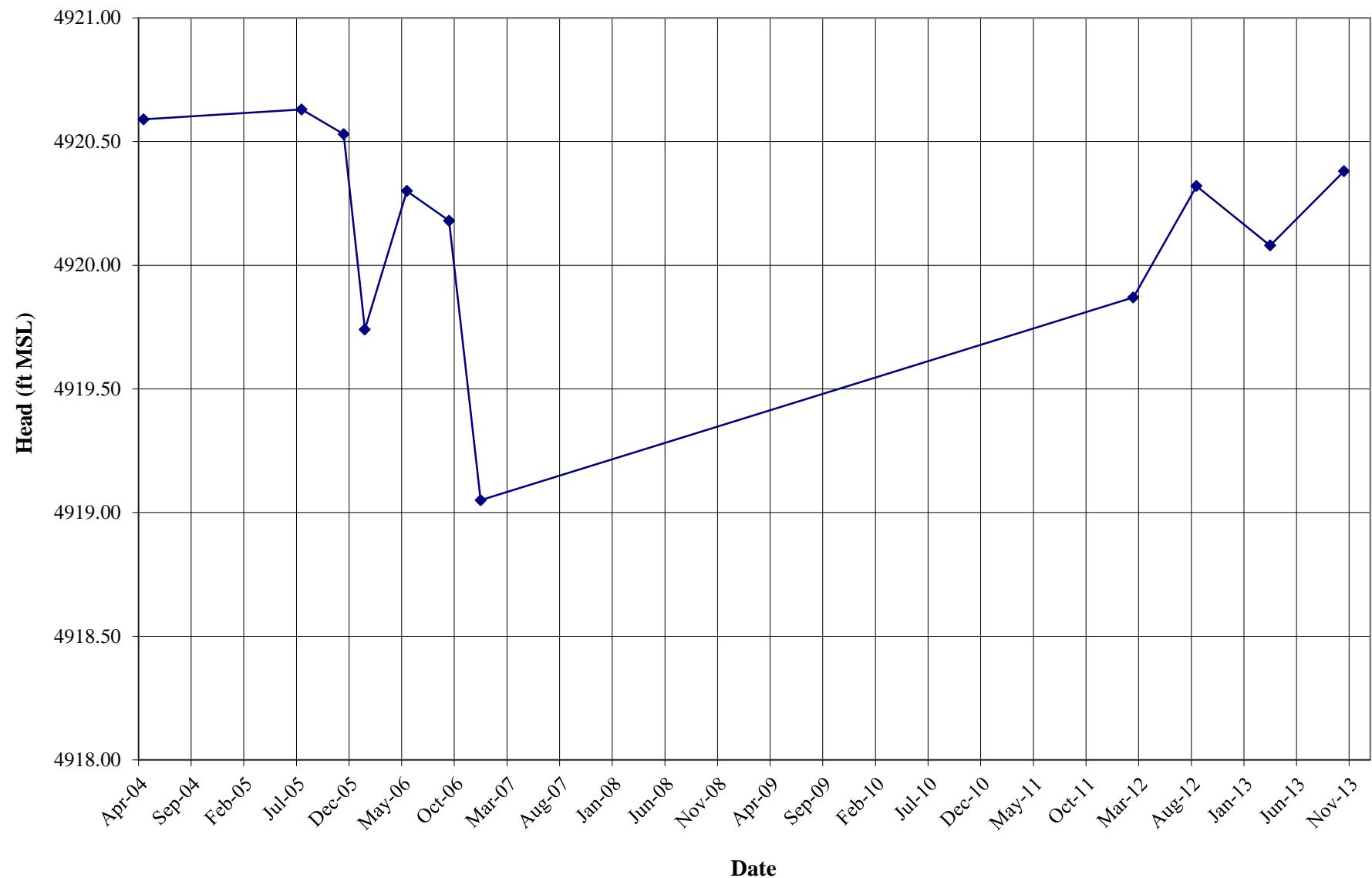
HYDROGRAPH FOR WELL MW-3



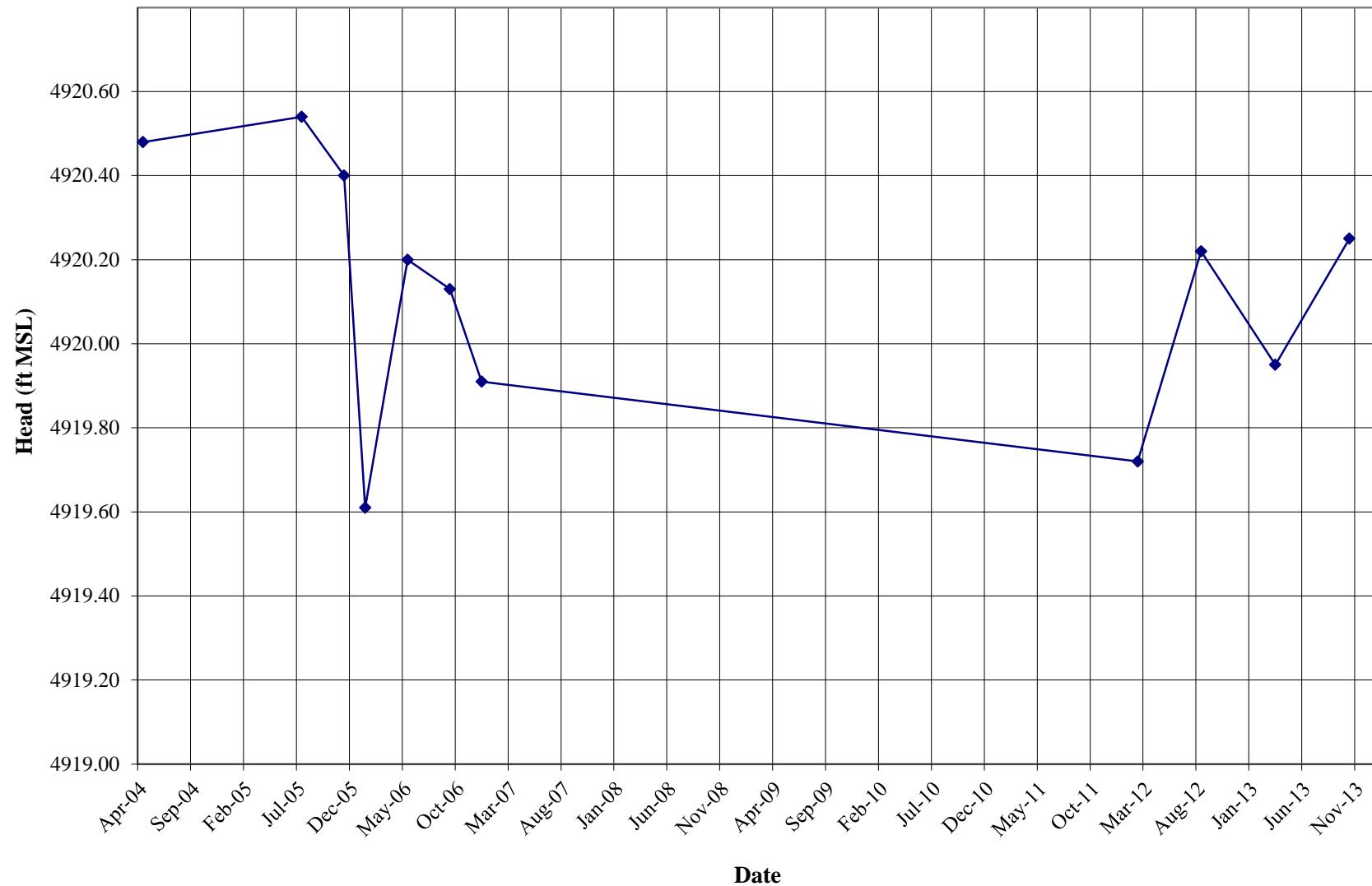
HYDROGRAPH FOR WELL MW-6



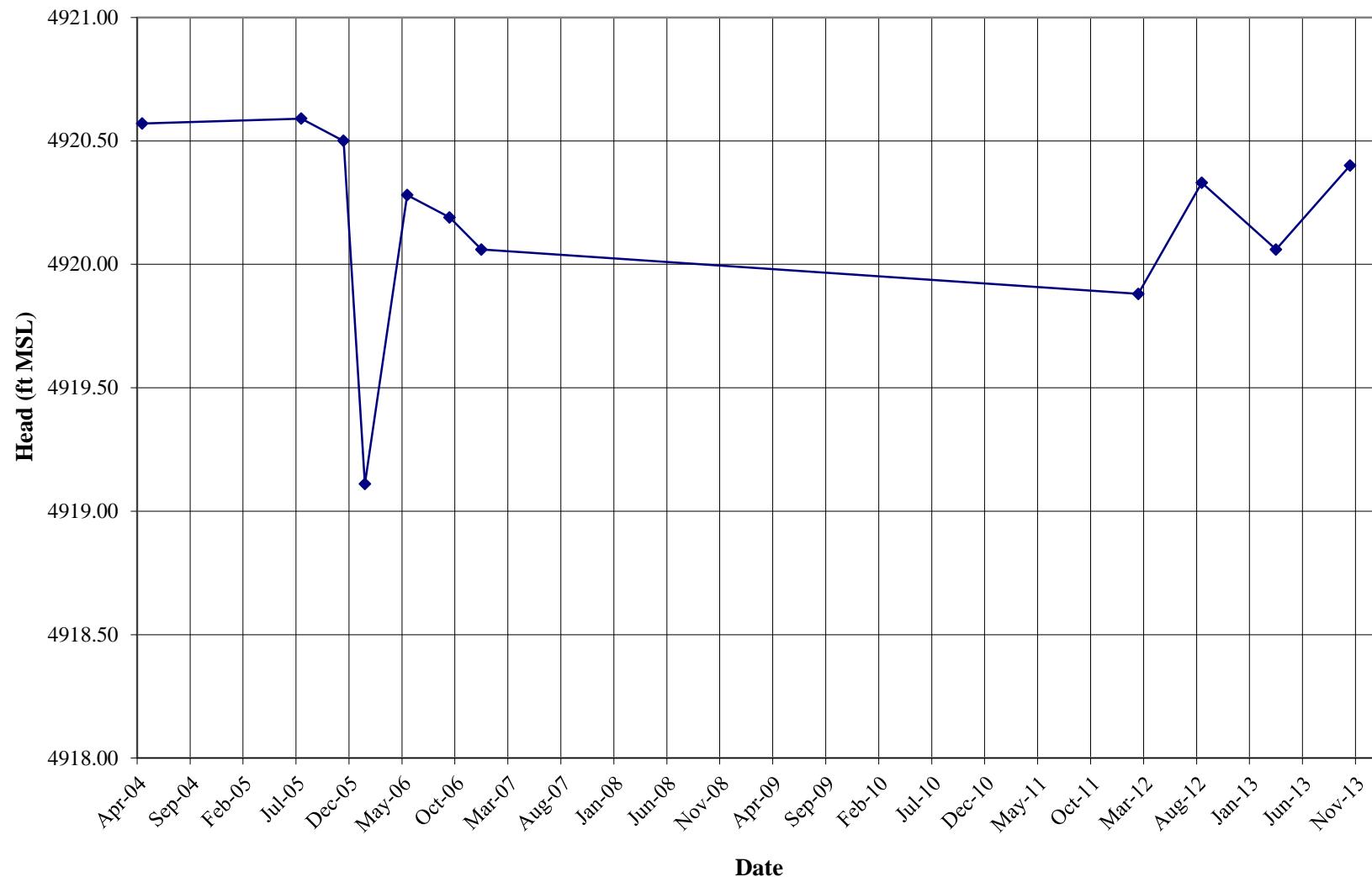
HYDROGRAPH FOR WELL MW-29



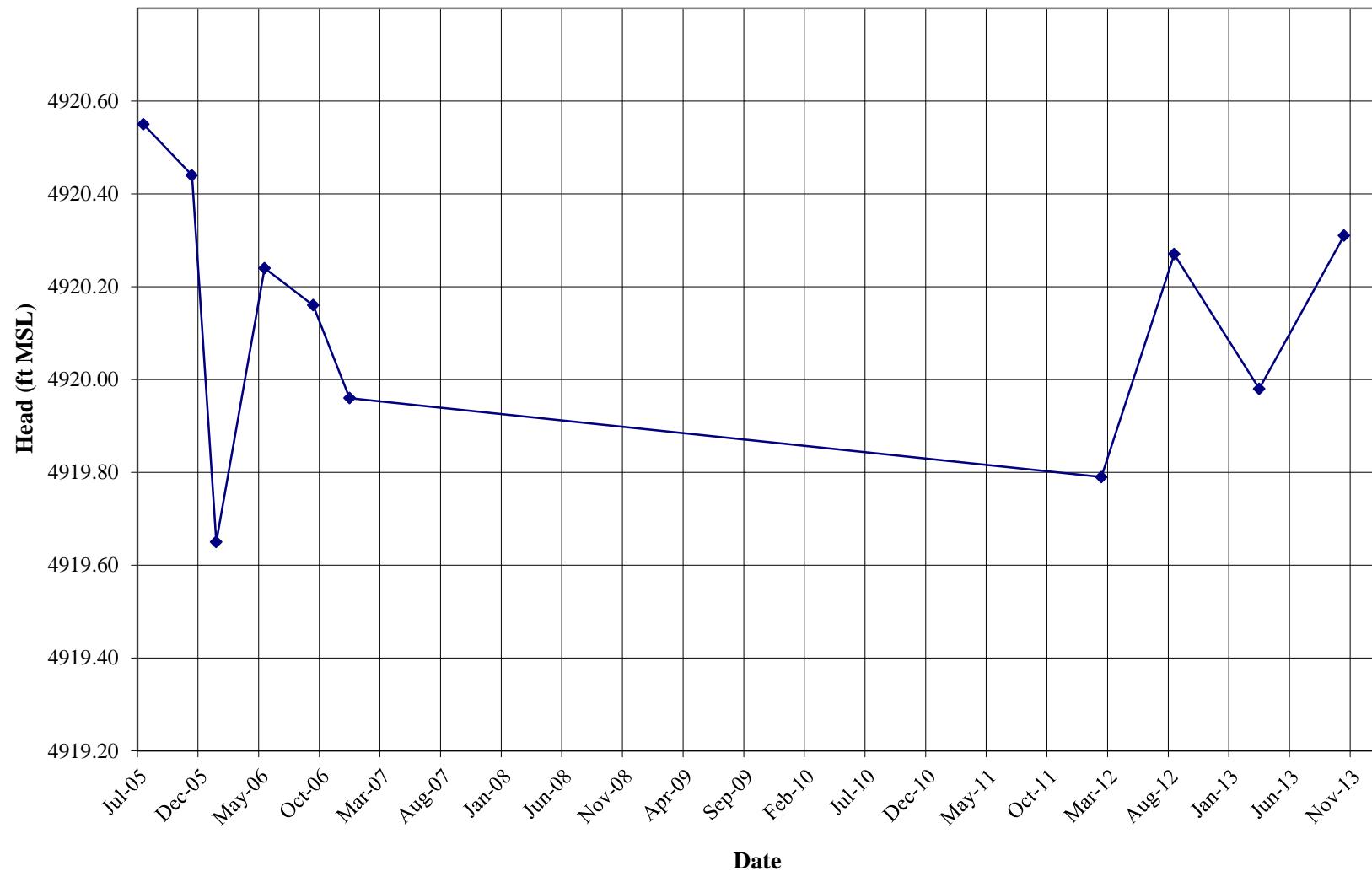
HYDROGRAPH FOR WELL MW-38



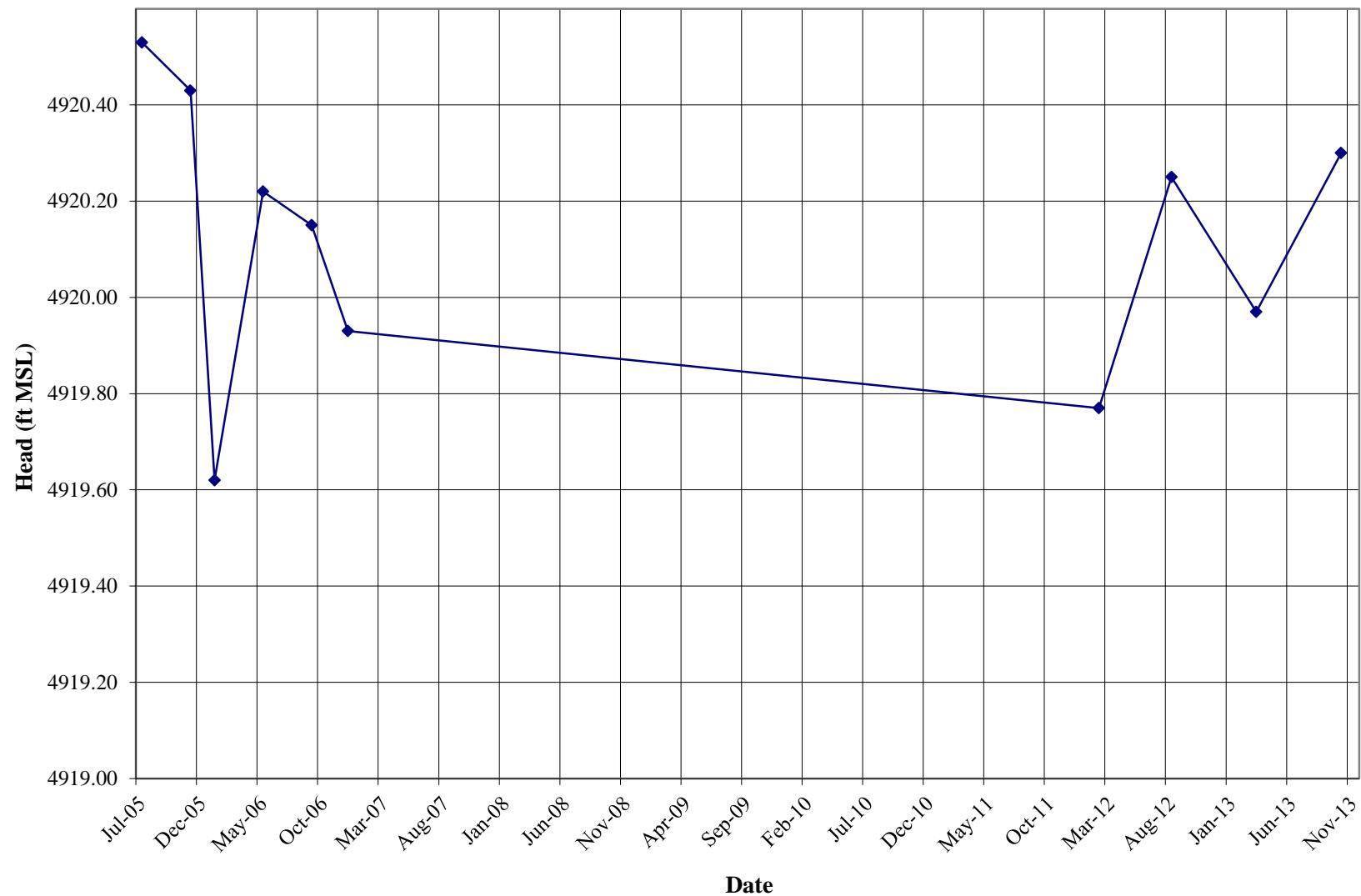
HYDROGRAPH FOR WELL NMW-1



HYDROGRAPH FOR WELL RNMW-2

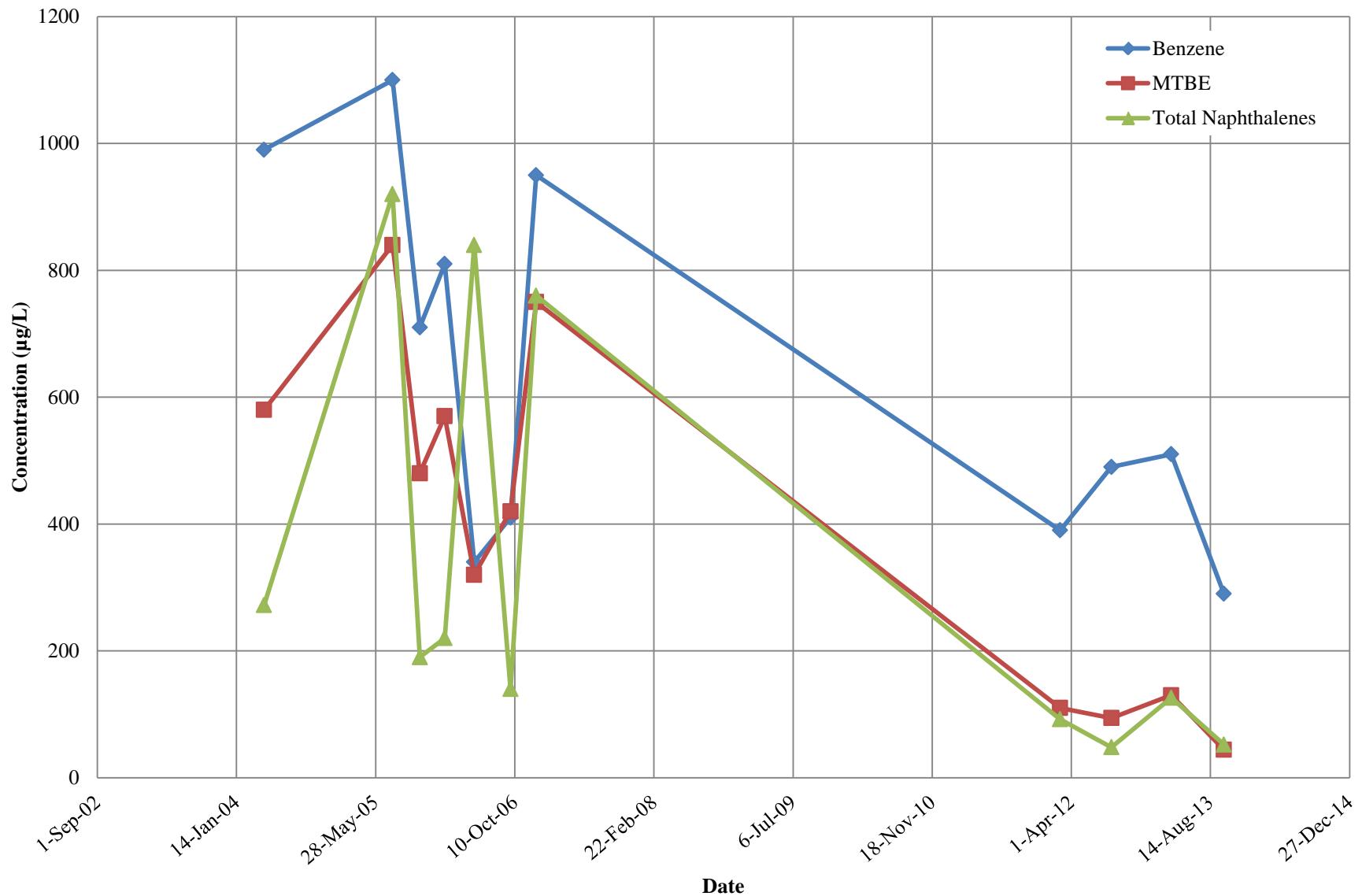


HYDROGRAPH FOR WELL RNMW-3

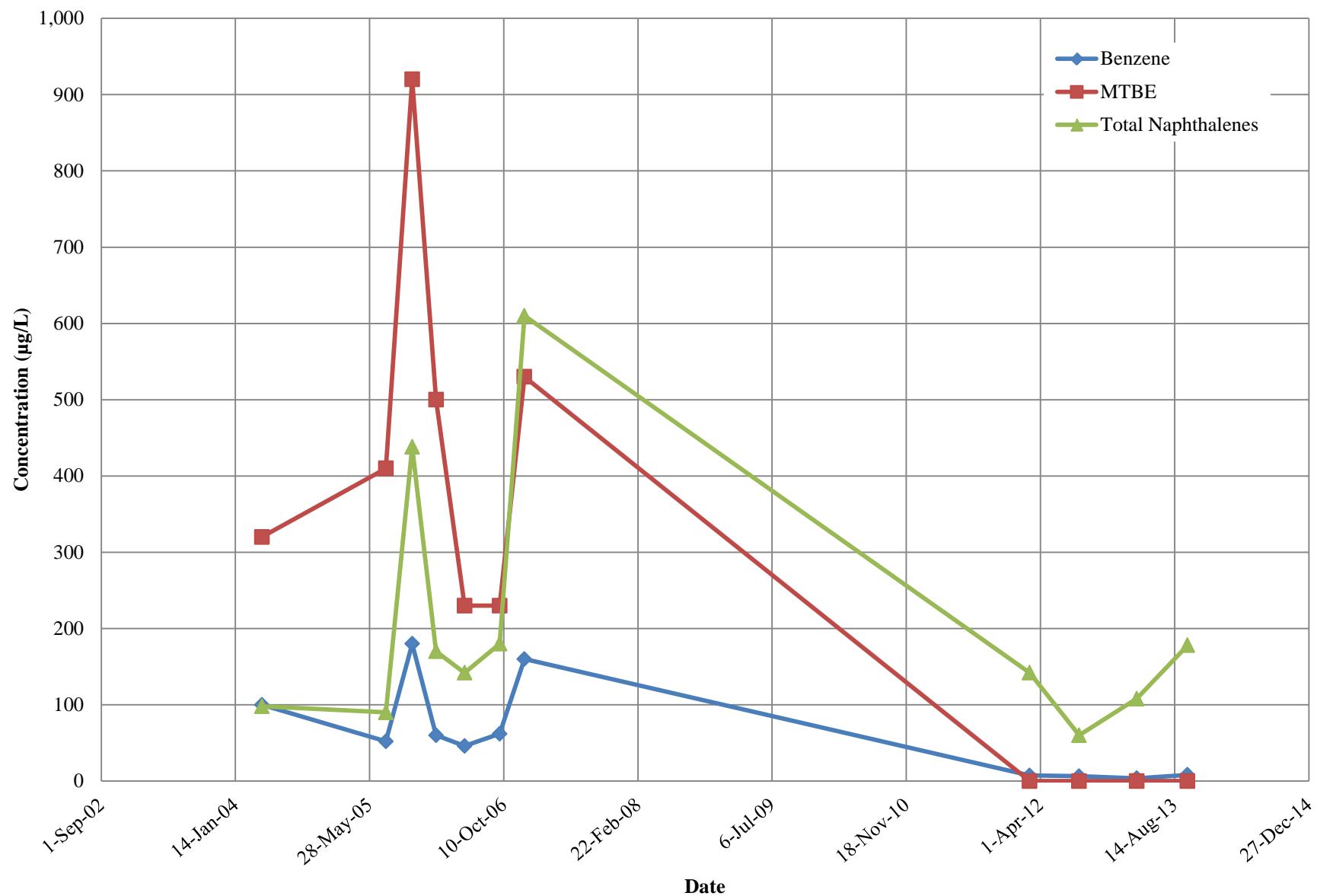


APPENDIX D
CONCENTRATION TREND GRAPHS

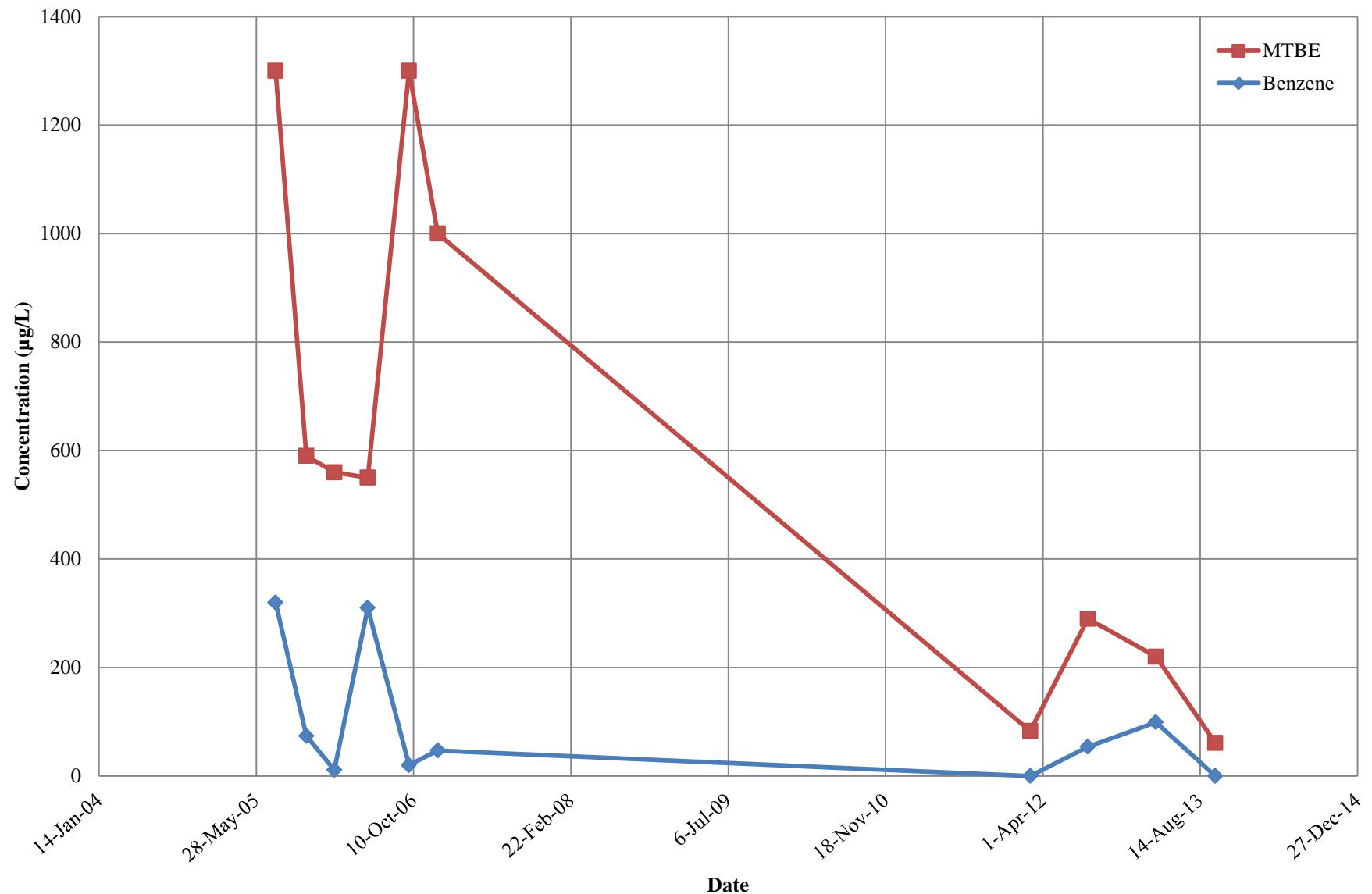
CONCENTRATION TRENDS IN NMW-1



CONCENTRATION TRENDS IN MW-3



CONCENTRATION TRENDS IN RNMW-2



CONCENTRATION TRENDS IN RNMW-3

