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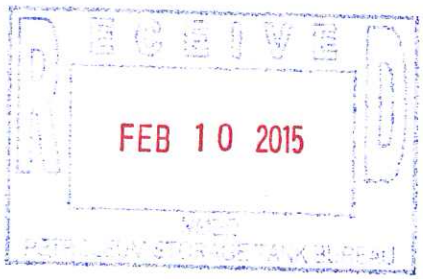
February 10, 2015



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., PBC (EA) is submitting the Well Installation, Plugging and Abandonment, and Groundwater Monitoring Report for Atex #213 located at 3501 Isleta Boulevard, Albuquerque, New Mexico. The report summarizes the activities 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 last monitoring event performed by EA under contract 14-667-2000-0030.

The full scope of work was implemented. The total cost for the Semi-Annual Groundwater Monitoring including additional monitoring well replacement and repair activities oversight and Report under deliverable ID 3776-1 is $5,938.50, plus the additional approved amount of $1,765.50, for a total of $7,704.00, including NMGRT.

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

Sincerely,

Lane Andress
Project Manager

Teri McMillan
Senior Geologist

Enclosure
Cc: File

GROUNDWATER MONITORING, MONITORING WELL REPLACEMENT AND REPAIR ACTIVITIES OVERSIGHT REPORT

ATEX #213
PSTB FACILITY # 31815
3501 ISLETA BOULEVARD, ALBUQUERQUE, NEW MEXICO

Prepared by:

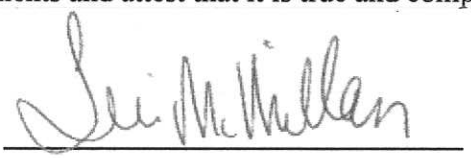
EA Engineering, Science,
and Technology, Inc., PBC
320 Gold Avenue SW, Suite 1210
Albuquerque, New Mexico 87102

February 2015

EA Project No.6289802.01

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: **Teri McMillan**
Affiliation: EA Engineering, Science, and Technology, Inc., PBC
Title: Project Manager
Date: February 10, 2015

I. INTRODUCTION

EA Engineering, Science and Technology, Inc., PBC (EA) has completed the semi-annual groundwater monitoring event at Atex #213 located at 3501 Isleta Boulevard, Albuquerque, New Mexico. The monitoring event was completed in accordance with the *Work Plan for Semi-Annual Groundwater Monitoring, Atex 213, Albuquerque, New Mexico,* dated August 11, 2014, 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 October 15, 2014. A change order for oversight to repair and replace damaged wells and additional reporting was submitted on November 20, 2014 and approved by the NMED PSTB on November 24, 2014. All work was completed under work plan identification number (WPID #) ~~3731~~ 3776-1.

The Site is located at the intersection of Del Sur Drive and Isleta Boulevard in the South Valley area of Albuquerque, New Mexico. The main parcel of the site is currently a vacant lot. The site contains fast food restaurants to the north and east, and there is an electric substation to the south of the main parcel. A Middle Rio Grande Conservancy District (MRGCD) irrigation ditch is located south of the electric substation, and to the south of the irrigation ditch is another fast food restaurant (Figure 1).

Work was completed between November 17, 2014 and December 22, 2014. On November 17, 2014 fluid levels were measured in twelve (12) monitoring wells; MW-1R, MW-2, MW-3, MW-4R, MW-38, BB-2, NMW-1, NMW-4R, W-35, W-36, RNMW-2, and RNMW-3. Upon arrival to the site on November 17, 2014 it was noted that monitoring wells MW-1R, NMW-1, and RNMW-2 were damaged, and well MW-6R could not be located. Damage to monitoring wells appeared to be caused by a construction company, AUI, Inc. (AUI), who was using the site as an equipment staging area and construction debris yard.

Contact with AUI confirmed the damage to monitoring wells was caused by their use of the property. AUI agreed to repair the damaged well vaults for wells MW-1R, NMW-1, and RNMW-2, and replace the missing well, MW-6R. A change order was submitted by EA to NMED-PSTB to perform oversight to ensure the repairs to well vaults were performed correctly and the replacement well for MW-6R was installed properly.

On November 17, 2014 groundwater samples were collected from twelve (12) monitoring wells; MW-1R, MW-2, MW-3, MW-4R, MW-38, BB-2, NMW-1, NMW-4R, W-35, W-36, RNMW-2, and RNMW-3. On December 22, 2014 the fluid level was measured in the newly installed replacement well, MW-6RR and a groundwater sample was collected. Groundwater samples collected from all wells were submitted for laboratory analysis for volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tertiary butyl ether (MTBE), 1,2 dibromoethane (EDB), 1,2 dichloroethane (EDC), and total naphthalenes by Environmental Protection Agency (EPA) Method 8260B. In addition, specific conductance, dissolved oxygen (DO), pH, 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 remediation system is not installed at the Site; however, a summary of corrective action activities conducted 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.
- EA completed its 1st semi-annual sampling event in February 2012; EA continued to monitor the site on a semi-annual basis from this time through October 2013.
- EA performed additional monitoring well installation, well plugging and abandonment, and groundwater sampling in April and May 2014.
- EA submitted a work plan for semi-annual groundwater monitoring in August 2014; it was approved by NMED-PSTB in October 2014.

B. Description of Activities Performed to Keep System Operating Properly

Billings & Associates installed a pump and treat remediation system at the Site in 1988. The system consisted of four recovery wells located along the southern property boundary, an air stripper and eight injection wells southwest of the site. The system was ineffective and had biofouling problems and was shut down in late 1989.

C. Monitoring Activities Performed

Drilling and Monitoring Well Replacement

On December 22, 2014 groundwater monitoring well MW-6RR was installed at the site to replace monitoring well MW-6R, which was lost due to construction equipment activity.

Subsurface lithology beneath the site was logged via cuttings and was observed to be consistent with the installation of MW-6R in April 2014 and consisted of predominantly well graded and poorly graded sands, silty sands, silty sand with clay at a depth of approximately 10 feet below ground surface (ft bgs). The total depth of the boring was 21 ft bgs. Groundwater was noted at approximately 9 ft bgs during drilling activities.

Replacement monitoring wells MW-6RR was constructed with 2-inch Schedule 40 polyvinyl chloride (PVC) flush thread-jointed casing and 15 feet of 0.010-inch machine-slotted screen. The screen was placed in order to have approximately 5 feet of screen above the water table and 10 feet of screen below the water table. The monitoring well was completed with 10/20 Colorado silica sand placed approximately one to two feet above the top of the screen, followed by a hydrated bentonite seal to just beneath the surface. The well was completed with a flush-

mounted, traffic-rated well vault set in Portland cement. The boring log / monitoring well construction diagram is provided in Appendix A.

Soil Sampling

Soil samples were not collected from the borings for laboratory analysis.

Drill cuttings were thin spread on site with approval from NMED-PSTB based on field screening screening results for MW-6R, installed April 2014, and the lab results from the composite IDW sample from monitoring well installations performed at the site in April and May 2014. The boring logs and well completion diagrams is presented in Appendix A.

Well Repair

The well vault for MW-1R was repaired by AUI personnel. The replacement well, MW-6RR, was installed by Rodgers and Company, Inc. (Rodgers), using a CME 75 drilling rig equipped with a hollow-stem auger and the well vaults and well casing for monitoring wells NMW-1, and RNMW-2, were repaired by Rodgers, under contract to AUI, with oversight by EA. Photographs of damage to monitoring well and repairs are included as Appendix B.

Surveying

Newly installed well MW-6RR and wells MW-1R, NMW-1, and RNMW-2 with repaired well vaults were to be surveyed by AUI.

As a result of damaged well vaults/casing at the time the groundwater monitoring was conducted on November 17, 2014, groundwater elevation data from wells MW-1R, MW-6RR, NMW-1, and RNMW-2 were not used in determining potentiometric surface contours. New survey information will be included in the next semi-annual monitoring report.

Well Development and Groundwater Sampling Activities – Installed Wells

Newly installed replacement monitoring well MW-6RR was developed by purging approximately 20 well volumes with a pump. Field parameters (pH, specific conductance, temperature) were recorded during purging and development (see Table 4). After development a groundwater sample was collected, preserved, and delivered to the analytical laboratory. Purge/development water was ground discharged in accordance with Section 1.7.2 of the GCA.

Groundwater Sampling Activities – Existing Wells

Prior to collecting groundwater samples, fluid levels in all existing wells were gauged with an electronic water level meter. No non-aqueous phase liquid was present in any monitoring wells during this event. Table 1 provides a summary of the groundwater gauging data collected from the monitoring network. A groundwater potentiometric surface map (Figure 2) was constructed based on the collected data. Hydrographs for select monitor wells are provided in Appendix C.

Monitoring wells were sampled with disposable bailers on November 17, 2014 and December 22, 2014. All equipment was decontaminated between wells with an Alconox™ solution to 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 bailer into the sample containers.

Field parameters were measured with an Oakton water quality meter during purging and prior to sampling. Dissolved oxygen was measured using an YSI Pro DO water quality meter. Specific conductance, pH, dissolved oxygen, and temperature were monitored and recorded on monitoring well sampling field forms. The meter was calibrated and/or checked against a standard in accordance with manufacturer's specifications prior to use. Field forms are provided in Appendix D.

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 HEAL in Albuquerque, New Mexico. The analytical laboratory reports are provided in Appendix E.

Groundwater Sampling Results

During this sampling event, dissolved phase hydrocarbon concentrations were above New Mexico Water Quality Control Commission (NMWQCC) groundwater quality standards in 5 (MW-1R, MW-3, MW-6RR, NMW-1, and W-35) of the 13 wells sampled. The NMWQCC groundwater quality standard for benzene is 10 µg/L and is 30 µg/L for total naphthalenes. Well NMW-1 contained benzene concentrations of 52 micrograms per liter (µg/L) and is currently the only monitoring well with benzene above NMWQCC standards. Monitoring wells MW-6RR, MW-3, W-35, and MW-1R contained total naphthalenes above NMWQCC standards at concentrations of 262 µg/L, 119 µg/L, 98.9 µg/L, and 59.9 µg/L, respectively. Laboratory results are summarized in Table 3, and analytical laboratory reports are provided in Appendix E.

D. System Performance and Effectiveness

A remediation system has not been installed at the site.

E. Statement Verifying Containment of Release

The naphthalene dissolved phase plume has migrated off-site and is not defined cross-gradient to the west. The benzene plume is adequately defined, the naphthalene plume

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 dropped by approximately two-tenths of a foot when compared to the previous groundwater gauging conducted in April/May 2014. Hydrographs for select wells are included in Appendix D. The overall direction of groundwater flow is to the south with a gradient of 0.001 ft/ft. (Figure 2).

Hydrocarbon concentrations in existing monitoring wells have generally dropped when compared to the April/May 2014 event, with the exception of MW-3 which had an increase in benzene from <1.0 µg/L to 3.5 µg/L and and increase on total naphthalenes from 24.6 µg/L to 119 µg/L. The November/December 2014 distribution of dissolved phase organic contaminants is shown on Figure 3. Contaminant concentration trend graphs for selected analytes and wells are included in Appendix C.

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

B. Ongoing Assessment of Remediation System

A remediation system has not been installed at the site.

C. Recommendations

Based on the results of well installation and annual groundwater monitoring at the site, EA recommends the following:

- EA recommends continued semi-annual groundwater monitoring at the site.
- Redevelopment of MW-1R and MW-RNMW-2 that were damaged. This would consist of surging and bailing for 30 minutes to an hour for each well.

TABLES

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

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
MW-1	29-Apr-14	4929.78	Well Plugged and Abandoned	
	1-Oct-13		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-1R	17-Nov-14	***	9.19	NA
	2-May-14	4932.03	9.06	4922.97
MW-2	17-Nov-14	4934.72	11.96	4922.76
	2-May-14		11.74	4922.98
	1-Oct-13		11.64	4923.08
	25-Mar-13		11.96	4922.76
	22-Aug-12		11.68	4923.04
	21-Feb-12		12.13	4922.59
	26-Dec-06		11.94	4922.78
	25-Sep-06		11.82	4922.90
	17-May-06		11.72	4923.00
	31-Jan-06		12.27	4922.45
	3-Nov-05		11.45	4923.27
	28-Jul-05		11.39	4923.33
	22-Apr-04		11.43	4923.29
MW-3	17-Nov-14	4932.98	10.19	4922.79
	2-May-14		10.00	4922.98
	1-Oct-13		9.80	4923.18
	25-Mar-13		10.25	4922.73
	22-Aug-12		9.92	4923.06
	21-Feb-12		10.42	4922.56
	26-Dec-06		10.27	4922.71
	25-Sep-06		10.05	4922.93
	17-May-06		10.02	4922.96
	31-Jan-06		10.57	4922.41
	3-Nov-05		9.78	4923.20
	28-Jul-05		9.65	4923.33
	22-Apr-04		9.71	4923.27

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ATEX # 213, ALBUQUERQUE, NEW MEXICO

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
MW-4	29-Apr-14	4932.55	Plugged and Abandoned	
	1-Oct-13		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-4R	17-Nov-14	4933.42	10.74	4922.68
	2-May-14		10.56	4922.86
MW-5	1-May-14	4931.85	Plugged and Abandoned	
	1-Oct-13		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
MW-6	29-Apr-14	4931.51	Plugged and Abandoned	
	1-Oct-13		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

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ATEX # 213, ALBUQUERQUE, NEW MEXICO

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
MW-6R	17-Nov-14	4934.26	Well Destroyed	
	2-May-14		11.36	4922.90
MW-6RR	22-Dec-14	‡	11.20	‡
MW-10	26-Dec-06	4930.98	Plugged	
	25-Sep-06			
	17-May-06			
	31-Jan-06			
	3-Nov-05			
	28-Jul-05			
	22-Apr-04			
MW-29	1-May-14	4930.19	Plugged and Abandoned	
	1-Oct-13		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	17-Nov-14	4931.87	9.18	4922.69
	2-May-14		8.96	4922.91
	1-Oct-13	4929.10	8.85	4923.02
	25-Mar-13		9.15	4922.72
	22-Aug-12		8.88	4922.99
	21-Feb-12		9.38	4922.49
	26-Dec-06		9.19	4922.68
	25-Sep-06		8.97	4922.90
	17-May-06		8.90	4922.97
	31-Jan-06		9.49	4922.38
	3-Nov-05		8.70	4923.17
	28-Jul-05		8.56	4923.31
	22-Apr-04		8.62	4923.25

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

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
BB-2	17-Nov-14	4934.64	12.06	4922.58
	2-May-14		11.81	4922.83
	1-Oct-13	4931.31	11.70	4922.94
	25-Mar-13		12.05	4922.59
	22-Aug-12		11.69	4922.95
	21-Feb-12		12.24	4922.40
	26-Dec-06		12.04	4922.60
	25-Sep-06		11.72	4922.92
	17-May-06		11.66	4922.98
	31-Jan-06		12.36	4922.28
	3-Nov-05		11.56	4923.08
	28-Jul-05		11.34	4923.30
	22-Apr-04		10.88	4923.76
NMW-1	17-Nov-14	***	9.72	NA
	2-May-14	4932.62	9.55	4923.07
	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
NMW-2*	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

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ATEX # 213, ALBUQUERQUE, NEW MEXICO

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
NMW-4	30-Apr-14	4929.02	Plugged and Abandoned	
	1-Oct-13		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
NMW-4R	17-Nov-14	4932.53	10.12	4922.41
	2-May-14		9.91	4922.62
W-34	1-May-14	4928.70	Plugged and Abandoned	
	1-Oct-13		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	17-Nov-14	4931.50	8.78	4922.72
	2-May-14		8.65	4922.85
	1-Oct-13	4928.93	Well Paved Over	
	25-Mar-13		8.85	4922.65
	22-Aug-12		8.55	4922.95
	21-Feb-12		8.99	4922.51
	26-Dec-06		8.83	4922.67
	25-Sep-06		8.74	4922.76
	17-May-06		8.64	4922.86
	31-Jan-06		9.14	4922.36
	3-Nov-05		8.31	4923.19
	28-Jul-05		8.29	4923.21
	22-Apr-04		8.14	4923.36

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ATEX # 213, ALBUQUERQUE, NEW MEXICO

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
W-36	17-Nov-14	4932.00	8.97	4923.03
	2-May-14		8.80	4923.20
	1-Oct-13	4929.11	Well Paved Over	
	25-Mar-13		9.01	4922.99
	22-Aug-12		8.72	4923.28
	21-Feb-12		9.15	4922.85
	26-Dec-06		8.97	4923.03
	25-Sep-06		8.92	4923.08
	17-May-06		8.79	4923.21
	31-Jan-06		9.30	4922.70
	3-Nov-05		8.50	4923.50
	28-Jul-05		8.48	4923.52
	22-Apr-04		8.31	4923.69
W-37	1-May-14	4930.10	Plugged and Abandoned	
	1-Oct-13		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**	17-Nov-14	***	10.87	NA
	2-May-14	4933.74	10.70	4923.04
	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

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

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
RNMW-3**	17-Nov-14	4933.22	10.45	4922.77
	2-May-14		10.23	4922.99
	1-Oct-13	4930.42	10.12	4923.10
	25-Mar-13		10.45	4922.77
	22-Aug-12		10.17	4923.05
	21-Feb-12		10.65	4922.57
	26-Dec-06		10.49	4922.73
	25-Sep-06		10.27	4922.95
	17-May-06		10.20	4923.02
	31-Jan-06		10.80	4922.42
	3-Nov-05		9.99	4923.23
	28-Jul-05		9.89	4923.33

NOTES:

The top of casing elevation for wells MW-2 and MW-3 were adjusted by -0.17 and -0.89, respectively from the survey point top of well steel plate on pipe.

[1] Horizontal control to NM State Plane Coordinates Central NAD83 Grid Coordinates (in feet)

[2] Vertical Control to NAVD88 Datum in feet above mean sea level

[3] 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.

*** =Surface completion/casing damaged at time of measurement

‡=Waiting for survey data

NM = not measured.

TABLE 2. SAMPLE ANALYTICAL 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:
VOCs = Volatile Organic Compounds with naphthalenes

TABLE 3. SUMMARY OF GROUNDWATER SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX # 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	Total Naphthalenes
MW-1	29-Apr-14	Plugged and Abandoned					
	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
	Jan-98	ND	110	320	370	2,200	NA
MW-1R	17-Nov-14	<1.0	1.6	50	4.6	<1.0	59.9
	1-May-14	<10	<10	440	260	<10	534
MW-2	17-Nov-14	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	1-May-14	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	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
	Jan-98	1.9	ND	0.7	0.7	10	NA
MW-3	17-Nov-14	3.5	<2.0	17	8.6	<2.0	119
	1-May-14	<1.0	<1.0	3.6	2.4	<1.0	24.6
	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
	Jan-98	2,400	110	320	370	2,200	NA
MW-4	29-Apr-14	Plugged and Abandoned					
	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 GROUNDWATER SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX # 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	Total Naphthalenes
MW-4R	17-Nov-14	<1.0	<1.0	<1.0	<1.5	8.0	<4.0
	1-May-14	29	<1.0	3.8	<1.5	55	64.6
MW-5	1-May-14	Plugged and Abandoned					
	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	29-Apr-14	Plugged and Abandoned					
	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-6R	17-Nov-14	Well Destroyed					
	1-May-14	1.6	<1.0	6.6	<1.5	6.2	55.5
MW-6RR	22-Dec-14	<5.0	<5.0	130	27	13	262
MW-29	1-May-14	Plugged and Abandoned					
	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

TABLE 3. SUMMARY OF GROUNDWATER SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX # 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	Total Naphthalenes
MW-38	17-Nov-14	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	1-May-14	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	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
BB-2	17-Nov-14	<1.0	<1.0	<1.0	<1.5	26	<4.0
	1-May-14	<1.0	<1.0	<1.0	<1.5	17	<4.0
	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	17-Nov-14	52	<5.0	5.3	19	9.3	<20
	2-May-14	190	1.6	5.9	6.3	35	25.4
	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

TABLE 3. SUMMARY OF GROUNDWATER SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX # 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	Total Naphthalenes
NMW-2/RNMW-2	17-Nov-14	<1.0	<1.0	<1.0	<1.5	62	<4.0
	2-May-14	12	<1.0	<1.0	<1.5	72	<4.0
	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
NMW-3/RNMW-3	17-Nov-14	1.1	<1.0	<1.0	<1.5	63	<4.0
	2-May-14	<1.0	<1.0	<1.0	<1.5	31	<4.0
	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
NMW-4	30-Apr-14	Plugged and Abandoned					
	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
NMW-4R	17-Nov-14	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	1-May-14	8.0	2.6	<1.0	<1.5	11	<4.0
W-34	1-May-14	Plugged and Abandoned					
	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

TABLE 3. SUMMARY OF GROUNDWATER SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX # 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	Total Naphthalenes
W-35	17-Nov-14	<1.0	<1.0	15	<1.5	<1.0	98.9
	2-May-14	<1.0	<1.0	7.5	<1.5	<1.0	124
	1-Oct-13	Well Paved Over[1]					
	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	17-Nov-14	<1.0	<1.0	3.8	<1.5	<1.0	17
	2-May-14	<1.0	<1.0	2.4	<1.5	<1.0	12
	1-Oct-13	Well Paved Over[1]					
	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
W-37	1-May-14	Plugged and Abandoned					
	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:

[1] In May 2014, well was uncovered and a new vault cover, a new well seal, and a new "j-plug" were emplaced.

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 - Plugged and Abandoned April 2014			
	25-Mar-13	DRY			
	22-Aug-12	DRY			
	21-Feb-12	DRY			
MW-1R	17-Nov-14	7.56	913	21.8	1.18
	1-May-14	7.8	803	19.4	1.55
MW-2	17-Nov-14	7.1	1,009	22.9	1.70
	1-May-14	7.63	981	18.8	1.40
	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	17-Nov-14	7.45	941	20.9	1.35
	1-May-14	7.70	1,043	19.1	1.77
	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 - Plugged and Abandoned April 2014			
	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-4R	17-Nov-14	7.5	649	21.6	0.85
	1-May-14	7.69	922	20.0	2.18
MW-5	1-Oct-13	DRY - Plugged and Abandoned April 2014			
	25-Mar-13	DRY			
	22-Aug-12	DRY			
	21-Feb-12	DRY			
MW-6	29-Apr-14	DRY - Plugged and Abandoned April 2014			
	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-6R	17-Nov-14	Well Destroyed			
	1-May-14	7.93	880	20.0	2.19
MW-6RR	22-Dec-14	7.18	815	21.1	10.4
MW-29	1-May-14	Plugged and Abandoned May 2014			
	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

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

Well Number	Date Sampled	pH	SpC (µS/cm)	Temp	DO (mg/L)
MW-38	17-Nov-14	7.2	880	21.7	1.76
	1-May-14	7.59	984	19.0	1.53
	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	17-Nov-14	7.37	862	19.8	1.92
	1-May-14	7.77	945	17.7	1.74
	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	17-Nov-14	7.09	986	23.1	1.06
	2-May-14	7.29	1,174	19.0	1.31
	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
RNMW-2	17-Nov-14	7.32	871	22.2	0.56
	2-May-14	7.47	1,053	19.2	1.30
	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	17-Nov-14	7.32	1,007	22.5	1.48
	2-May-14	7.53	1,009	19.7	1.54
	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	30-Apr-14	Plugged and Abandoned April 2014			
	1-Oct-131	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
NMW-4R	17-Nov-14	7.36	513	20.9	1.31
	1-May-14	Developed at 4 gallons per minute; ~180 gallons removed.			

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

Well Number	Date Sampled	pH	SpC (µS/cm)	Temp	DO (mg/L)
W-34	1-Oct-13	Paved Over - Plugged and Abandoned May 2014			
	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	17-Nov-14	7.28	1065	22.6	2.48
	2-May-14	7.44	1148	19.5	0.91
	1-Oct-13	Paved Over - Well uncovered May 2014			
	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	17-Nov-14	7.24	847	22.1	1.66
	2-May-14	7.39	878	18.8	3.03
	1-Oct-13	Paved Over - Well uncovered May 2014			
	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 - Plugged and Abandoned May 2014			
	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 (µS/cm)

Temp = Temperature in degrees Celsius

-- = meter malfunction, parameter not taken

µS/cm = Microsiemens per centimeter

FIGURES

LEGEND:

MW-2 — MONITORING WELL

MW-6 P&A — MONITORING WELL PLUGGED AND ABANDONED

50 25 0 50

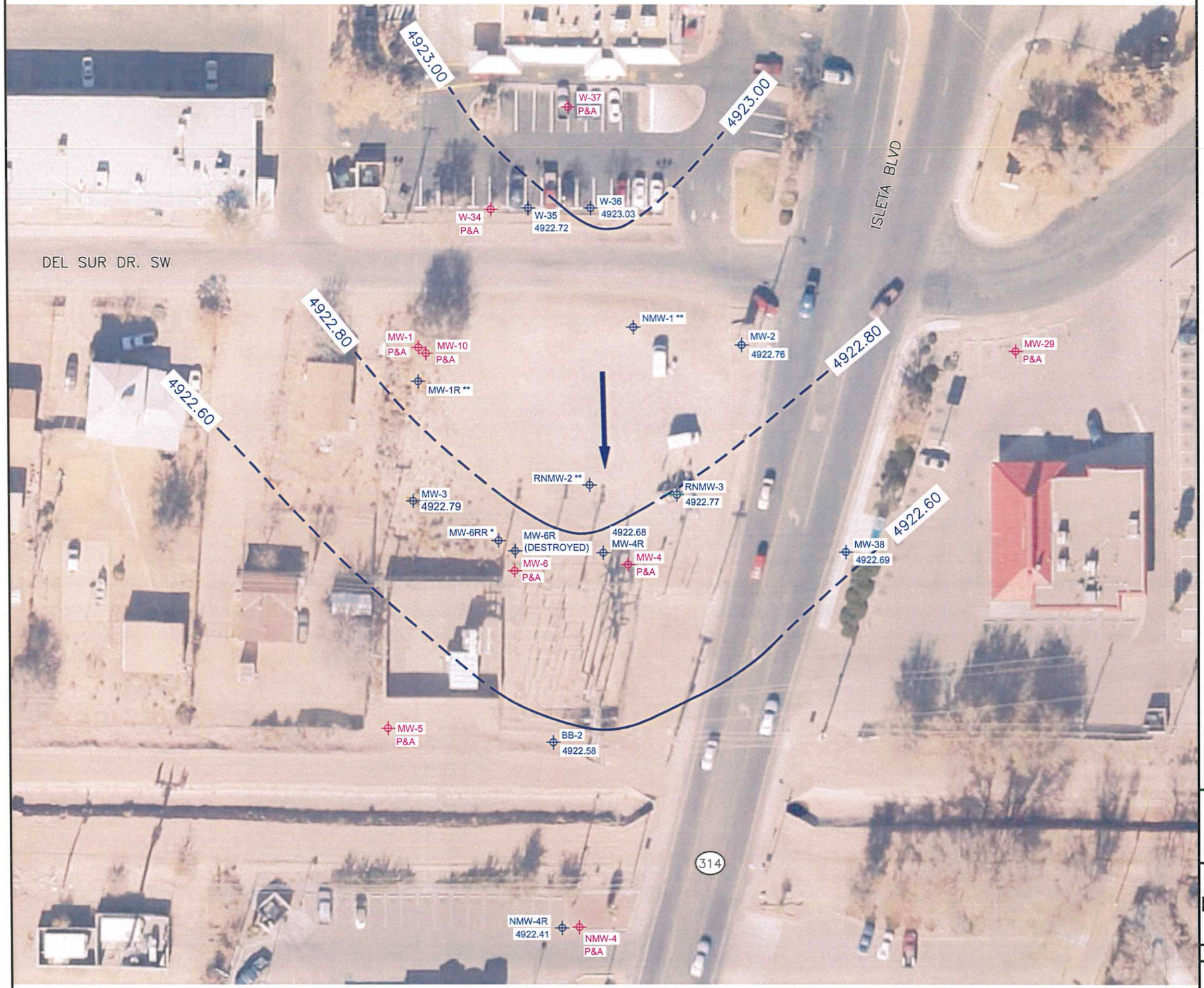
SCALE IN FEET

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

FIGURE 1
SITE MAP
NOVEMBER 2014

PROJECT #:	6289802	PROJECT PHASE:	01	PROJECT MANAGER:	TM

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.
320 Gold Avenue, SW Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013
Fax: (505) 224-9016



LEGEND:

MW-1R 4920.37	MONITORING WELL
MW-6 P&A	MONITORING WELL PLUGGED AND ABANDONED
4923.00	GROUNDWATER CONTOURS, (DASHED WHERE INFERRED) FEET ABOVE MEAN SEA LEVEL
→	GROUNDWATER FLOW DIRECTION
*	WELL INSTALLED 12/22/2014 NOT USED IN POTENTIOMETRIC CONTOURING
**	WELL SURFACE COMPLETIONS/CASING DAMAGED NOT USED IN POTENTIOMETRIC CONTOURING

50 25 0 50

SCALE IN FEET

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

FIGURE 2
POTENTIOMETRIC SURFACE MAP
NOVEMBER 2014

PROJECT #:	6289802	PROJECT PHASE:	01	PROJECT MANAGER:	TM

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.
320 Gold Avenue, SW Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013
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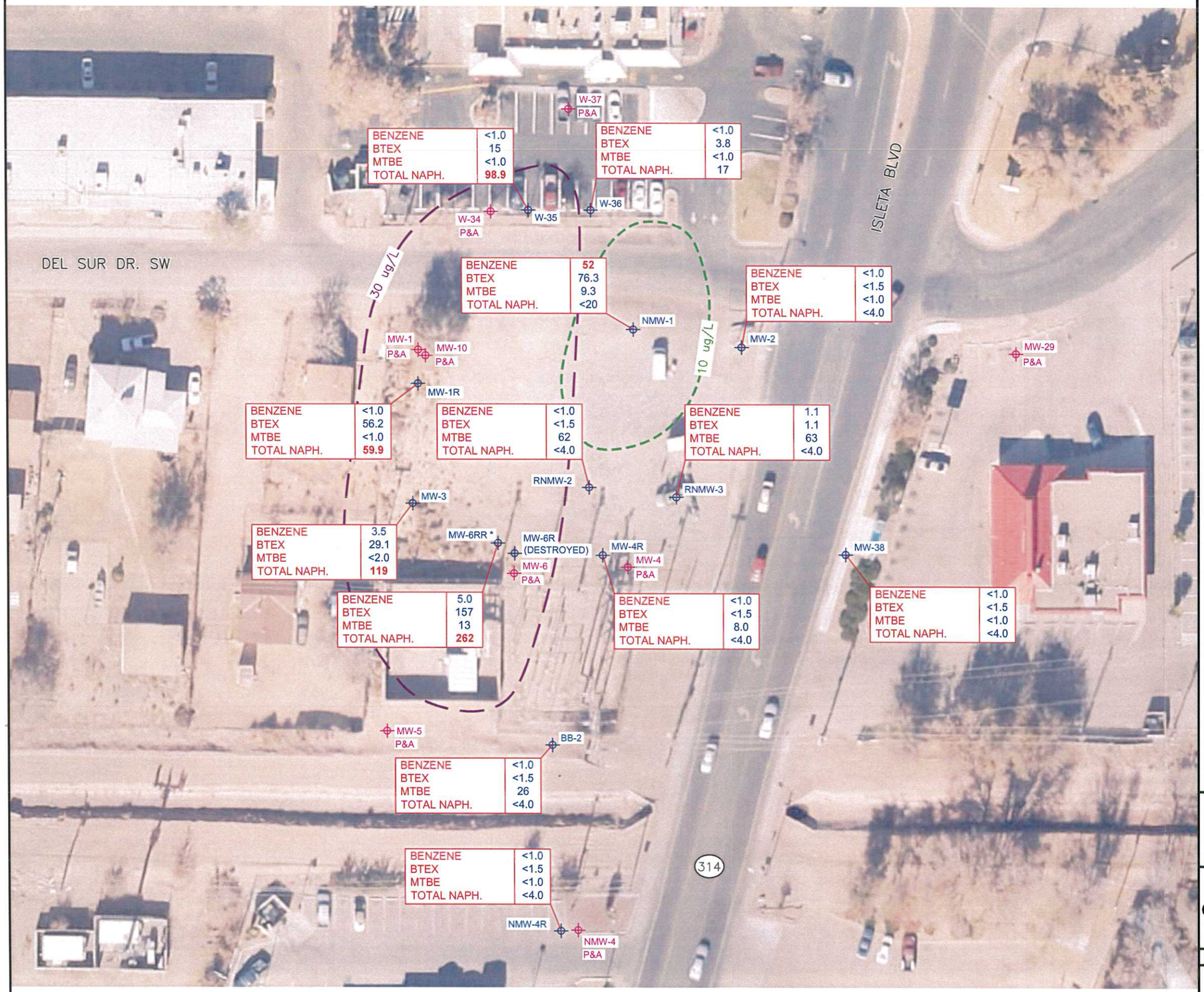


LEGEND:

MW-2	MONITORING WELL
MW-6 P&A	MONITORING WELL PLUGGED AND ABANDONED
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, TOTAL XYLENES
MTBE	METHYL TERTIARY BUTYL ETHER
TOTAL NAPH.	TOTAL NAPHTHALENES
– – –	ESTIMATED EXTENT OF BENZENE (10 ug/L)
— —	ESTIMATED EXTENT OF TOTAL NAPHTHALENES (30 ug/L)
*	WELL INSTALLED 12/22/2014

NOTES:
1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (ug/L)
2. **RED** TEXT INDICATES CONCENTRATIONS ARE ABOVE NEW MEXICO WATER QUALITY CONTROL COMMISSION (NMWQCC) STANDARDS.

50 25 0 50

SCALE IN FEET

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

FIGURE 3
CONTAMINANT CONCENTRATION MAP
NOVEMBER/DECEMBER 2014

PROJECT #:	6289802	PROJECT PHASE:	01	PROJECT MANAGER:	TM

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.
320 Gold Avenue, SW Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013
Fax: (505) 224-9016

APPENDIX A

SOIL BORING LOG AND WELL CONSTRUCTION DIAGRAM

BORING/WELL CONSTRUCTION LOG

EA Engineering, Science, and Technology, Inc.

Project:	Atex 213	Project Number:	6289802.01
Drilling Company:	Rodgers Drilling	Start Time/Date:	0915; 12/22/2014
Drilling Rig/Bit:	CME-75 HSA, 24" split spoon	Completion Time/Date:	1300; 12/22/2014
Driller:	John Tanner	Final Depth:	21 feet
Boring/Well ID:	MW-6RR	Logged By:	L. Andress 1 of 1

Sample Type	Recovery (in)	Sample Interval	PID Reading (ppmv)	USCS Soil Type	Depth, ft bgs	Soil Description* (soil type, color, density/consistency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
Cuttings	NA			SM	1	0-4.0', silty sand, loose, fine grained	Bentonite / PVC / Bentonite
					2		
					3		
					4		
				SP	5	~5'-10', poorly graded sand, brown, loose, damp, fine grained	Sand / Sand
					6		
					7		
					8		
					9		
				ML/CL	10	~10', silty sand with clay, gray color, petroleum hydrocarbon odor	
					11	Wet at ~11 feet.	
					12		
				SW	13	~13'-21', well graded sand, dark gray, loose, wet, petroleum	
					14	hydrocarbon odor	
					15		
					16		
					17		
					18		
					19		
					20		
					21		

21': Total Depth

3.5" flat end cap: ~20.3'-20'
0.010" Slot Screen: 20'-5'
2" Schedule 40 PVC riser: 5'-0.0'
native flowing sand: 21'-19.9'
10-20 Silica Sand: 19.9'-3'
Hydrated,1/4" uncoated Bentonite Pellets ~3'-1'

SS = Split Spoon CUT = Drill Cuttings

* Logged from cuttings

APPENDIX B

PHOTOGRAPHS

Photograph No. 1
Looking north towards location of well MW-1R.

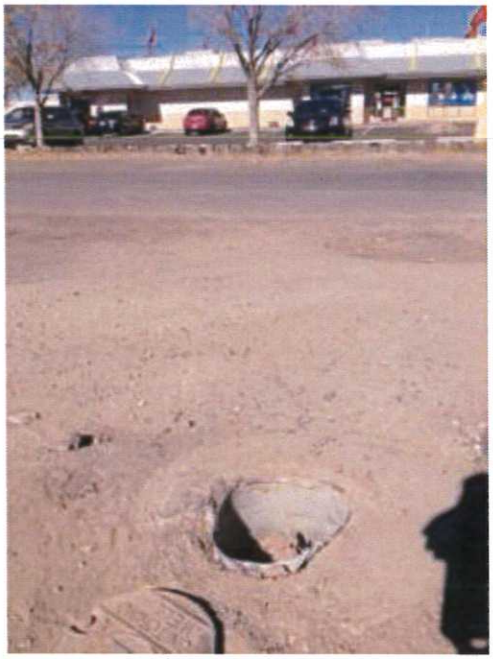
Photograph No. 2
Well vault for MW-1R located in a pile of construction debris approximately 10 feet from location of Well casing for MW-1R

Photograph No. 3
Well casing for MW-1R located in place, well vault sheared off by construction equipment.

Photograph No. 4
Well plug placed in well casing for MW-1R to prevent anything from entering the well before it is repaired.

Photograph No. 5
Well vault replaced on MW-1R by AUI, Inc. prior to repair/ replacement activities.

Photograph No. 6
Damaged well vault for NMW-1. Well vault lid has been forced inside well vault.



Photograph No. 7
View of NMW-1 with lid removed from vault.

Photograph No. 8
Repair activities for NMW-1. Old concrete well pad and well vault were removed.

Photograph No. 9
New well vault and concrete pad for NMW-1.

Photograph No. 10
Well vault and pad secured prior to leaving the site to allow concrete to cure.

Photograph No. 11
Missing well vault for RNMW-2.

Photograph No. 12
PVC well casing for RNMW-2 located; casing bent approximately 1 foot below ground surface.

Photograph No. 13
Close-up view of bent casing in RNMW-2.

Photograph No. 14
Left to right: Steel ring used to mark location of well for metal detector use, plug made from rag attached to wire, remains of upper portion of casing from RNMW-2

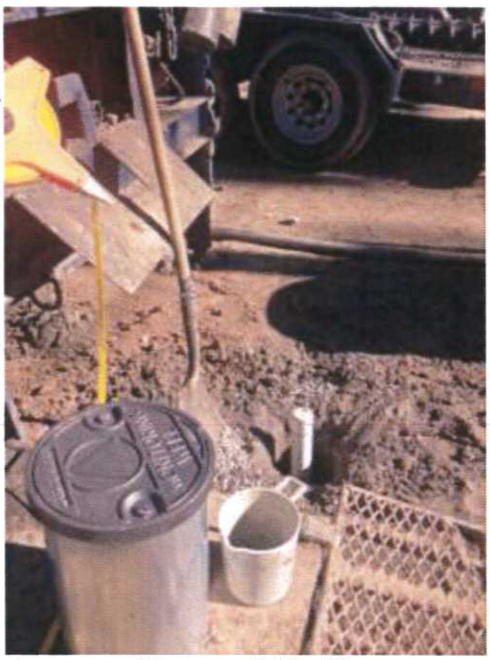
Photograph No. 15
Plug with rag and well plug to secure RNMW-2 from anything entering well prior to repairs.

Photograph No. 16
Repair of RNMW-2 with glued collar to PVC riser extension.

Photograph No. 17
New concrete well pad and well vault for RNMW-2. Barrier to protect well while concrete well pad cures.

Photograph No. 18
Former location of MW-6R, looking east.

Photograph No. 19
Former location of MW-6R, looking west-northwest. Well MW-4R in foreground.



Photograph No. 20
Newly installed replacement for MW-6R,MW-6RR, with bentonite pellets hydrating.

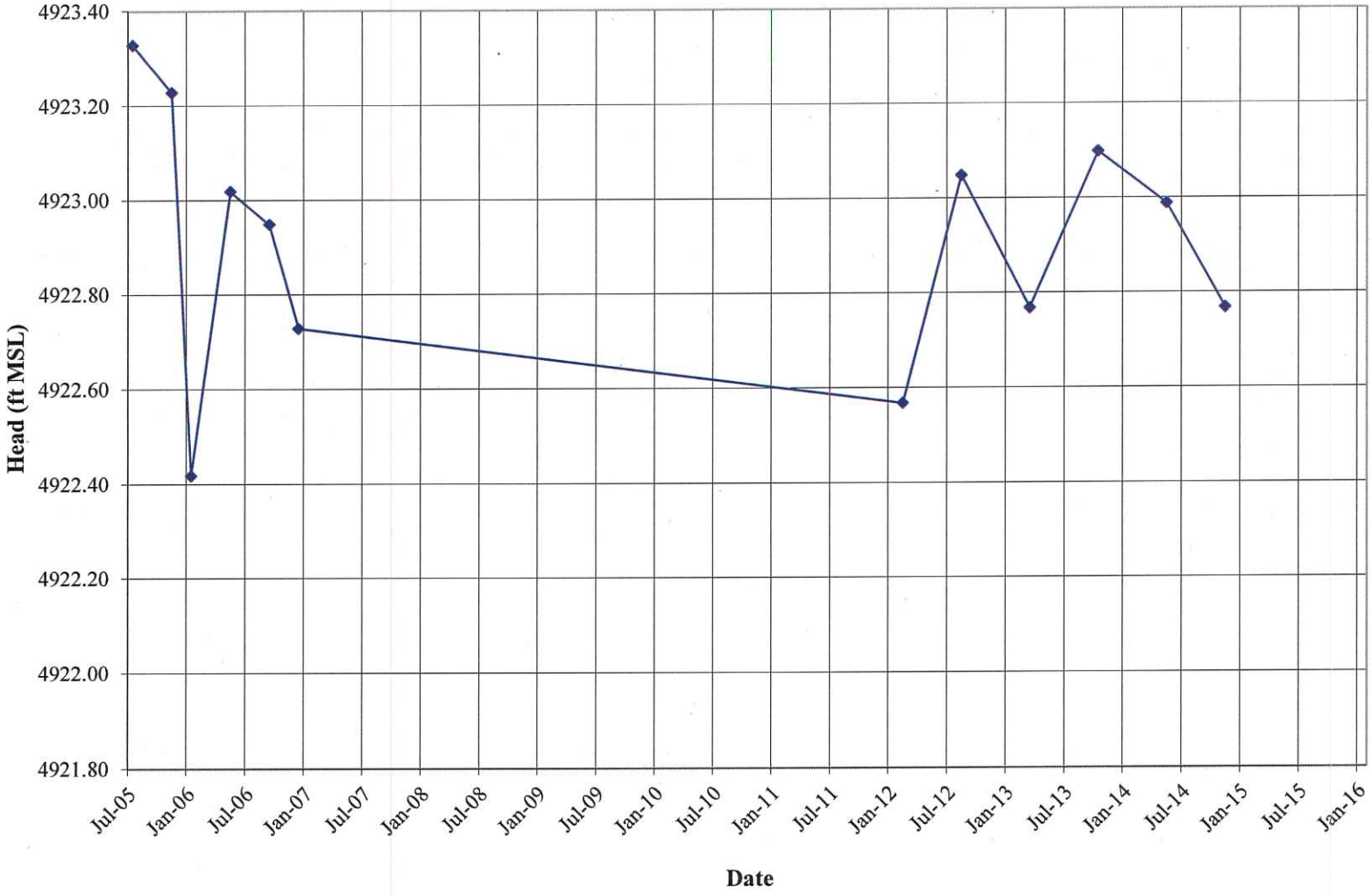
Photograph No. 21
Well vault and concrete pad for newly installed MW-6RR.

Photograph No. 22
Well vault and concrete pad for newly installed MW-6RR, looking south.

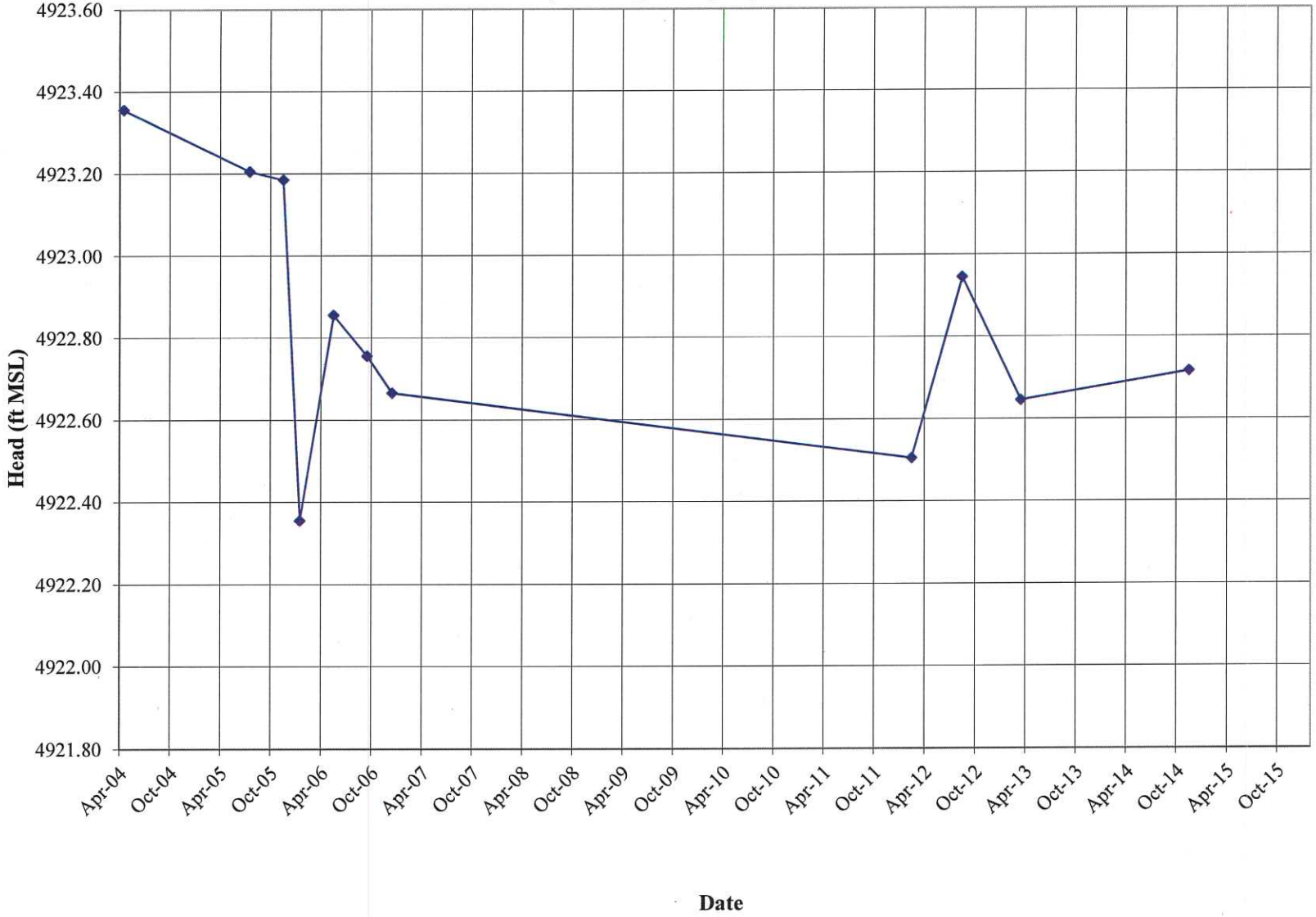
APPENDIX C

HYDROGRAPHS AND CONCENTRATION TRENDS

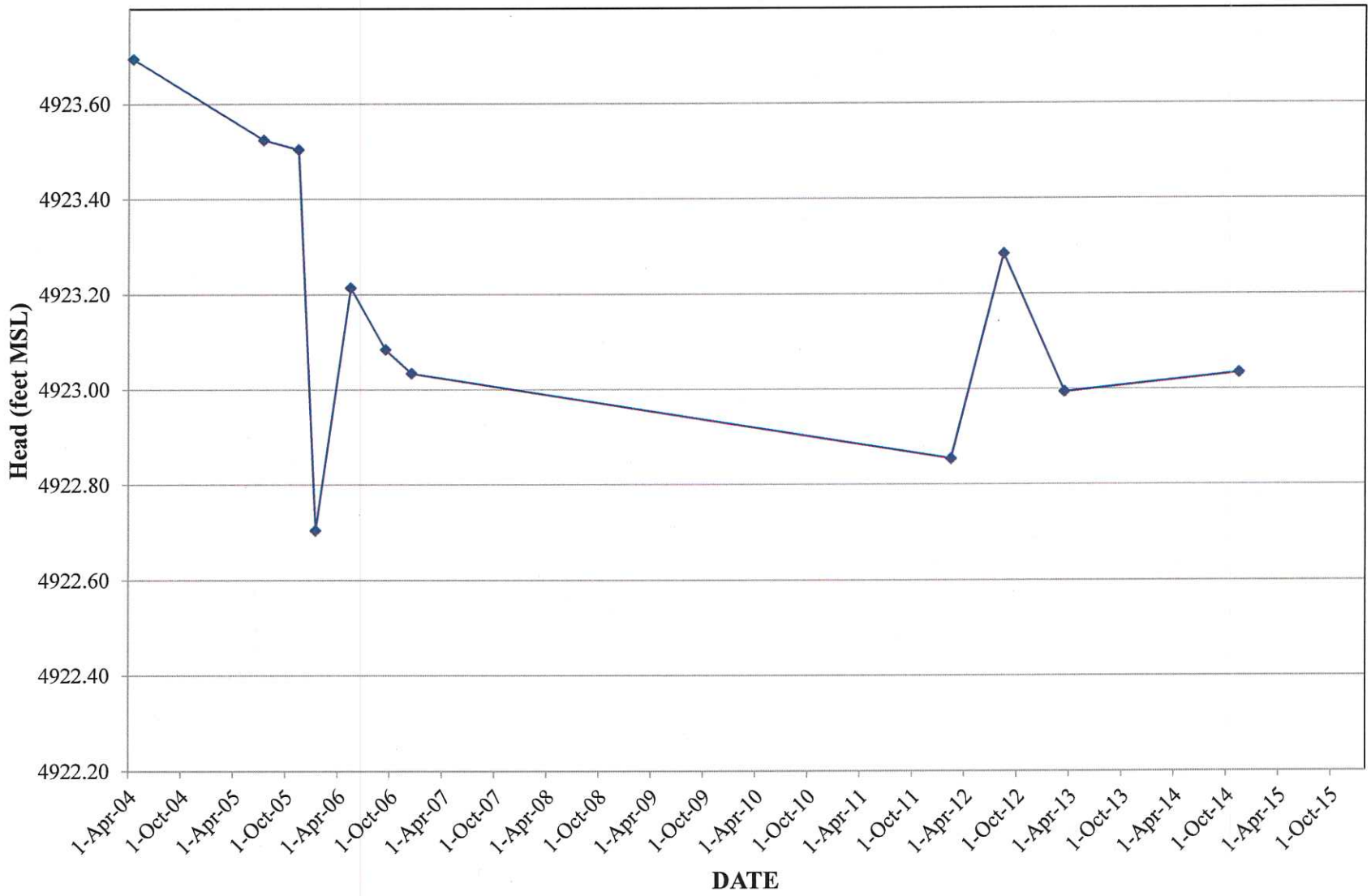
HYDROGRAPH FOR WELL RNMW-3
ATEX # 213, ALBUQUERQUE, NEW MEXICO



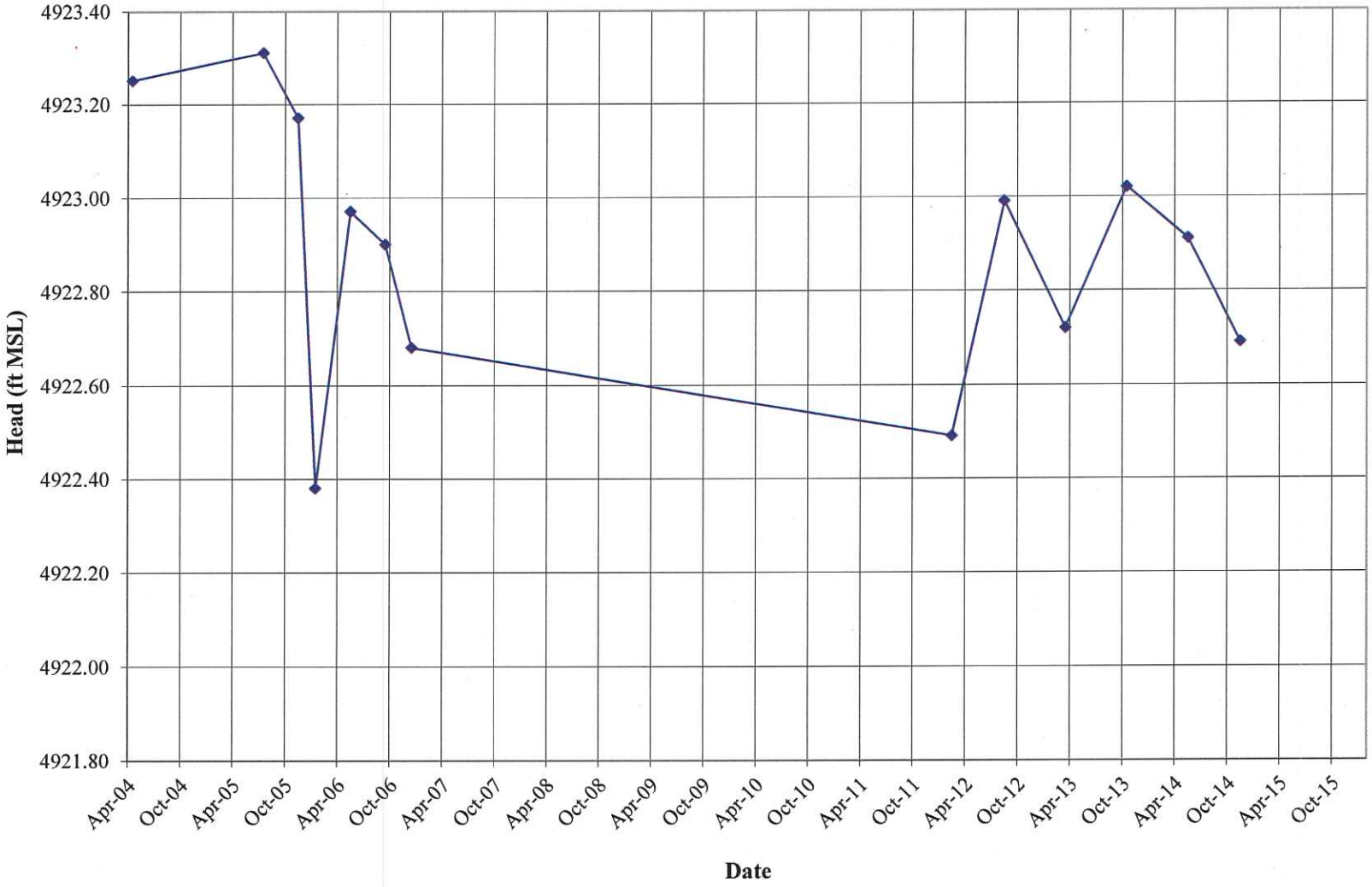
HYDROGRAPH FOR WELL W-35
ATEX # 213, ALBUQUERQUE, NEW MEXICO



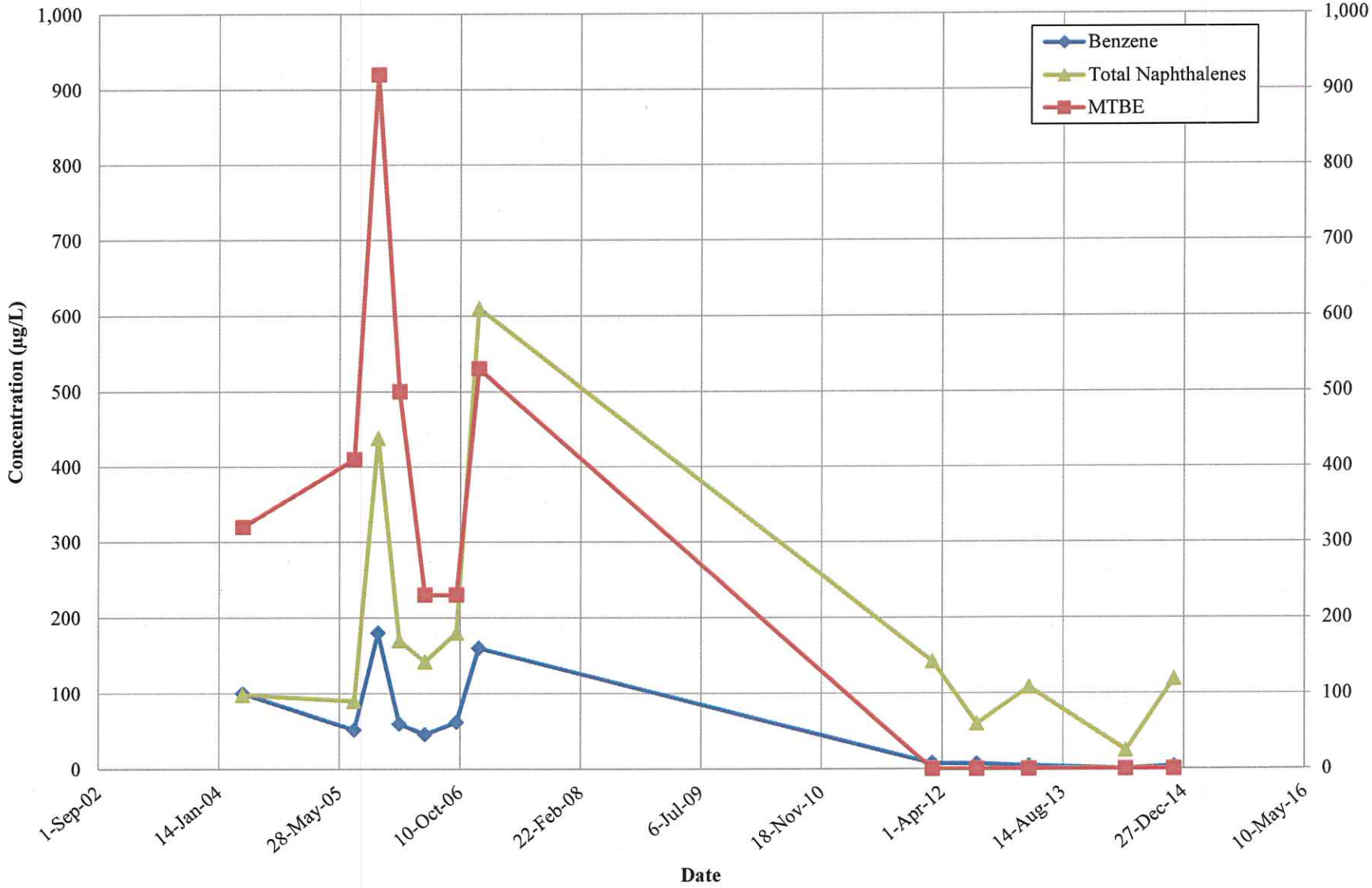
HYDROGRAPH FOR WELL W-36
ATEX # 213, ALBUQUERQUE, NEW MEXICO



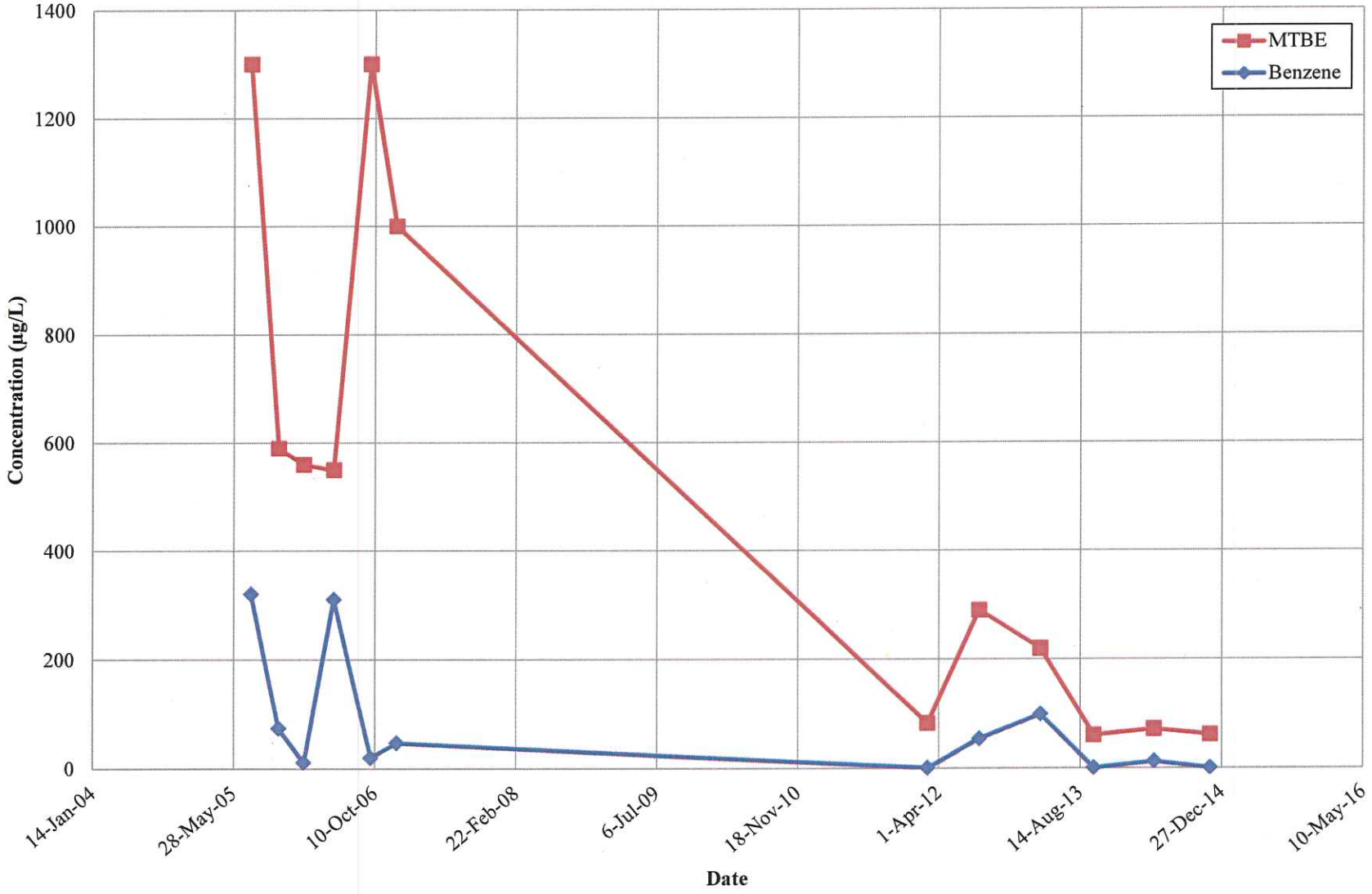
HYDROGRAPH FOR WELL MW-38
ATEX # 213, ALBUQUERQUE, NEW MEXICO



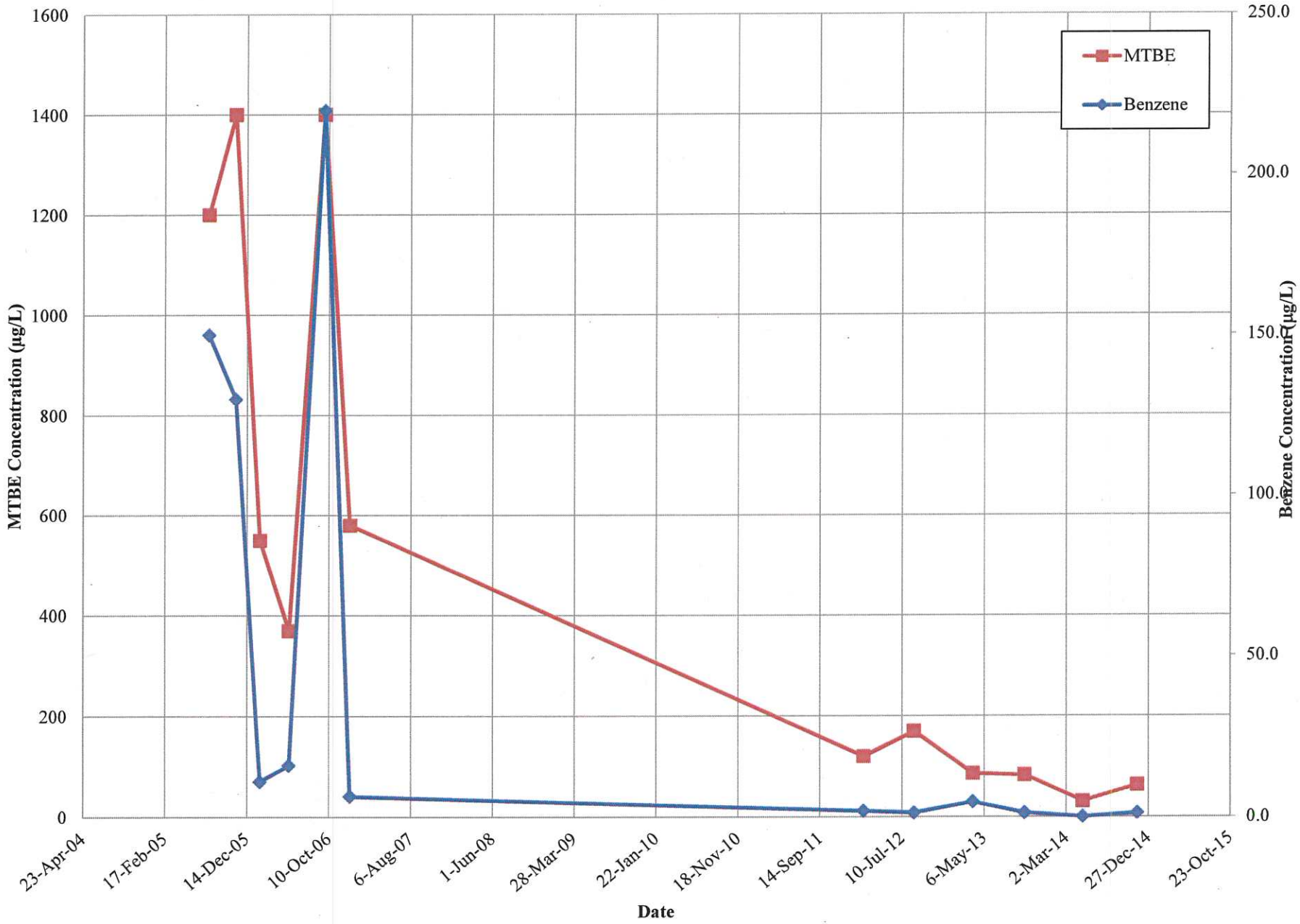
CONCENTRATION TRENDS IN MW-3
ATEX # 213, ALBUQUERQUE, NEW MEXICO



CONCENTRATION TRENDS IN RNMW-2
ATEX # 213, ALBUQUERQUE, NEW MEXICO



CONCENTRATION TRENDS IN RNMW-3
ATEX # 213, ALBUQUERQUE, NEW MEXICO



APPENDIX D

FIELD FORMS

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: MW-1R
Site: Atex 213
Date gauged: 11/17/14
Time gauged: 1600

Depth to PSH: _____ Feet
Well diameter: 2 Inches
Depth to water (*): 9.19 Feet
Height of fluid column: 5.39 Feet
Total depth (*): 14.58 Feet
Volume in well: 0.92 Gallons
NAPL thickness: _____ Feet

After Bailing NAPL
Depth to PSH: _____ Feet
Depth to water: _____ Feet
NAPL thickness: _____ Feet
NAPL Recovered: _____ Gallons

(*) top of sheared of PVC well casing (3 well volumes = 2.74 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged: 11/17/14 1607
Purge Method: hand bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1608	0.25	21.2	912	7.51	-	1.18
1613	2.00	21.9	915	7.53	-	↓
1615	2.50	21.8	913	7.56	-	↓

Actual purge volume: 2.75 gal.
Field measurements stabilized within ± 10%? Y
Time/date sampled: 11/17/14 1618
Purged/sampled by: Lane Andress
Sample method: Disposable Bailer
Requested analyses: 8260
Comments/observations: well vault sheared off, only PVC sticking up-Level w/ newly graded dirt, petroleum H-C odor slight spotty sheen

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: MW-3
Site: Atex 213
Depth to PSH: — Feet
Depth to water: 10.19 Feet
Total depth: 16.00 Feet
NAPL thickness: — Feet

Date gauged: 11/17/14
Time gauged: 1333
Well diameter: 2" Inches
Height of fluid column: 5.81 Feet
Volume in well: 0.99 Gallons

(3 well volumes = 2.96 gallons)

After Bailing NAPL
Depth to PSH _____ Feet
Depth to water _____ Feet
NAPL thickness _____ Feet
NAPL Recovered _____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged: 11/17/14 1339
Purge Method: hand bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1340	0.25	20.4	962	7.29	—	1.35
1343	1.50	20.4	957	7.38	—	"
1345	2.75	20.4	941	7.45	—	"

Actual purge volume: 3.0 gal.
Field measurements stabilized within ± 10%? Y
Time/date sampled: 11/17/14 1350
Purged/sampled by: Lane Andross
Sample method: Disposable Bailer
Requested analyses: 8260
Comments/observations: petroleum HC odor
steel stick-up - in tumbleweed
BOSL

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: MW-4R
Site: Alex 213
Date gauged: 11/17/14
Time gauged: 1400

Depth to PSH: ____ Feet
Well diameter: 2 11 Inches
Depth to water: 10.74 Feet
Height of fluid column: 10.25 Feet
Total depth: 20.99 Feet
Volume in well: 1.74 Gallons
NAPL thickness: ____ Feet

(3 well volumes = 5.23 gallons)

After Bailing NAPL
Depth to PSH: ____ Feet
Depth to water: ____ Feet
NAPL thickness: ____ Feet
NAPL Recovered: ____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged: 11/17/14 1405
Purge Method: Hand Bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1406	0.25	21.0	313	7.59	—	0.85
1411	3.50	21.5	643	7.53	—	↓
1413	4.00	21.6	644	7.56	—	
1415	5.00	21.6	644	7.50	—	

Actual purge volume: 5.25 gal.
Field measurements stabilized within ± 10%? Y
Time/date sampled: 11/17/14 1418
Purged/sampled by: Lane Andress
Sample method: Disposable Bailer
Requested analyses: 8260
Comments/observations:

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: MW-6RR
Site: Area 2
Date gauged: 12/22/14
Time gauged:
Depth to PSH: — Feet
Well diameter: 4 Inches
Depth to water: 11.2 Feet
Height of fluid column: 8.8 Feet
Total depth: 20.0 Feet
Volume in well: 1.50 Gallons
NAPL thickness: ~ Feet
(3 well volumes = 4.50 gallons)

After Bailing NAPL
Depth to PSH: _____ Feet
Depth to water: _____ Feet
NAPL thickness: _____ Feet
NAPL Recovered: _____ Gallons

GROUNDWATER SAMPLING DATA

post-install Development
Time/date purged: 12-22-14 / 1128
Purge Method: downhole pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1128	Begin development, pump rate ~1.00 gallon per minute ~ 1gpm					
1158	~20+ gallons purged					
11.59	23	21.3 ~~22.24~~	830	7.03	NM	17.8
1200	~~26.24~~	21.2	812	7.05	NM	11.8
1202	26	21.0	815	7.14	NM	9.1
1204	28	20.9	818	7.18	NM	9.5
1206	30	21.1	815	7.18	NM	10.4
1209	~~Pump off~~					

Actual purge volume: 33.25 gal.
Field measurements stabilized within ± 10%? Y
Time/date sampled: 12-22-14 ~~1214~~ 1221
Purged/sampled by: Lane Andrass
Sample method: Disposable Bailer
Requested analyses: 8260
Comments/observations: well water clear & stable when sampled

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: MW-38
Site: A-4x 213
Date gauged: 11/17/14
Time gauged: 0842
Depth to PSH: — Feet
Well diameter: 2 1/4 Inches
Depth to water: 9.18 Feet
Height of fluid column: 2.8 Feet
Total depth: 11.98 Feet
Volume in well: 0.48 Gallons
NAPL thickness: _____ Feet
(3 well volumes = 1.43 gallons)

After Bailing NAPL
Depth to PSH _____ Feet
Depth to water _____ Feet
NAPL thickness _____ Feet
NAPL Recovered _____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged: 11/17/14 0850
Purge Method: Handbail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
0851	0.25	19.4	874	7.14	—	1.76
0852	0.75	21.0	895	7.15	—	5
0853	1.25	21.7	880	7.20	—	5

Actual purge volume: 1.50 gal.
Field measurements stabilized within ± 10%? Y
Time/date sampled: 11/17/14 0855
Purged/sampled by: Lane Andross
Sample method: Disposable Bailer
Requested analyses: 8260
Comments/observations: _____

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: BB-2
Site: Aztec 213
Date gauged: 11/17/14
Time gauged: 0912
Depth to PSH: — Feet
Well diameter: 2" Inches
Depth to water: 12.06 Feet
Height of fluid column: 2.38 Feet
Total depth: 14.44 Feet
Volume in well: 0.40 Gallons
NAPL thickness: — Feet
(3 well volumes = 1.21 gallons)

After Bailing NAPL
Depth to PSH: _____ Feet
Depth to water: _____ Feet
NAPL thickness: _____ Feet
NAPL Recovered: _____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged: 11/17/14 0928
Purge Method: hand bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
0929	0.25	19.0	818	7.24	—	1.92
0931	0.75	20.3	855	7.35	↓	↓
0933	1.00	19.8	862	7.37	↓	↓

Actual purge volume: 1.25 gal.
Field measurements stabilized within ± 10%? Y
Time/date sampled: 11/17/14 0935
Purged/sampled by: Lane Andress
Sample method: Disposable Bailer
Requested analyses: 8260
Comments/observations: Metal stick up, locking power poles

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: NMW-1
Site: Aztec 213
Date gauged: 11/17/14
Time gauged: 1453

Depth to PSH: ____ Feet
Well diameter: 2" Inches
Depth to water: 9.72 Feet
Height of fluid column: 5.3 Feet
Total depth: 15.02 Feet
Volume in well: (0.90) Gallons
NAPL thickness: — Feet

(3 well volumes = 2.70 gallons)

After Bailing NAPL
Depth to PSH: ____ Feet
Depth to water: ____ Feet
NAPL thickness: ____ Feet
NAPL Recovered: ____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged: 11/17/14 1501
Purge Method: hand bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1502	0.25	21.9	970	7.14	+	1.06
1505	1.75	22.9	972	7.12	—	S
1507	2.50	23.1	946	7.09	—	V

Actual purge volume: 2.75 gal.
Field measurements stabilized within ± 10%? Y
Time/date sampled: 11/17/14 1510
Purged/sampled by: Lara Andrass
Sample method: Disposable Bailer
Requested analyses: 8260
Comments/observations: Strong petroleum hi-C odor, slight spotty sheen

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

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: NMW-4R
Site: Area 2B
Date gauged: 11/17/14
Time gauged: 1030
Depth to PSH: _____ Feet
Well diameter: 2" Inches
Depth to water: 10.12 Feet
Height of fluid column: 9.68 Feet
Total depth: 19.80 Feet
Volume in well: 1.65 Gallons
NAPL thickness: _____ Feet
(3 well volumes = 4.94 gallons)

After Bailing NAPL
Depth to PSH: _____ Feet
Depth to water: _____ Feet
NAPL thickness: _____ Feet
NAPL Recovered: _____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged: 11/17/14 1035
Purge Method: Hand Bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1036	0.25	20.2	530	7.43	—	1.31
1041	3.00	20.9	513	7.37	—	↓
1044	4.75	20.9	513	7.36	—	↓

Actual purge volume: 5.0 gal.
Field measurements stabilized within ± 10%? Y
Time/date sampled: 11/17/14 1047
Purged/sampled by: Lane Andross
Sample method: Disposable Bailer
Requested analyses: 8260
Comments/observations:

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: W-35
Date gauged: 11/17/14
Site: Atex 213
Time gauged: 1522
Depth to PSH: ______ Feet
Well diameter: 2" Inches
Depth to water: 8.78 Feet
Height of fluid column: 4.94 Feet
Total depth: 13.72 Feet
Volume in well: 0.84 Gallons
NAPL thickness: ______ Feet
(3 well volumes = 2.52 gallons)

After Bailing NAPL

Depth to PSH ______ Feet
Depth to water ______ Feet
NAPL thickness ______ Feet
NAPL Recovered ______ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged: 11/17/14 1534
Purge Method: hand bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1534	0.25	21.7	1072	7.28	—	2.48
1538	1.50	22.2	1080	7.29	—	↓
1540	2.50	22.6	1065	7.28	—	↓

Actual purge volume: 2.75 gal.
Field measurements stabilized within ± 10%? Y
Time/date sampled: 11/17/14 ~~1344~~ 1544
Purged/sampled by: Lane Andross
Sample method: Disposable Bailer
Requested analyses: 8260
Comments/observations: Petroleum HC odor

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: MW-36
Site: Atex 213
Date gauged: 11/17/14
Time gauged: 0957

Depth to PSH: — Feet
Well diameter: 2 Inches
Depth to water: 8.97 Feet
Height of fluid column: 3.03 Feet
Total depth: 12.00 Feet
Volume in well: 0.52 Gallons
NAPL thickness: — Feet

(3 well volumes = 1.54 gallons)

After Bailing NAPL
Depth to PSH: _____ Feet
Depth to water: _____ Feet
NAPL thickness: _____ Feet
NAPL Recovered: _____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged: 11/17/14 1002
Purge Method: Hand bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1003	0.25	19.9	815	7.19	—	1.66
1005	1.00	21.6	847	7.21	—	↓
1007	1.50	22.1	847	7.24	—	↓

Actual purge volume: 1.75 gal.
Field measurements stabilized within ± 10%? X
Time/date sampled: 11/17/14 1010
Purged/sampled by: Lane Andross
Sample method: Disposable Bailer
Requested analyses: 8260
Comments/observations: petroleum Hydrocarbon odor

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: RVMW-2
Site: ATLX 213
Date gauged: 11/17/14
Time gauged: 1108
Depth to PSH: — Feet
Well diameter: 2" Inches
Depth to water (*): 10.87 Feet
Height of fluid column: 5.04 Feet
Total depth (*): 15.91 Feet
Volume in well: 0.86 Gallons
NAPL thickness: — Feet
(3 well volumes = 2.57 gallons)

After Bailing NAPL
Depth to PSH: _____ Feet
Depth to water: _____ Feet
NAPL thickness: _____ Feet
NAPL Recovered: _____ Gallons

(*) Casing Broken off at surface

GROUNDWATER SAMPLING DATA

Time/date purged: 11/17/14 1302
Purge Method: hand bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1303	0.25	21.1	1490	7.17	—	0.56
1307	1.75	21.9	981	7.18	—	↓
1308	2.00	22.2	873	7.36	↓	
1309	2.25	22.7	871	7.32	↓	↓

Actual purge volume: 2.75 gal.
Field measurements stabilized within ± 10%? Y
Time/date sampled: 11/17/14 1322
Purged/sampled by: Lane Andross
Sample method: Disposable Bailer
- faint petroleum H-C odor
Requested analyses: 8260
Comments/observations: well vault missing - PVC Riser sheared off by construction equipment - Dug out to bent part to sample - broke off Bent PVC, sampled w/ Rag on a wire & J-plug w/ spare metal well vault Ring (to find Lids w/ metal detector)

PVC Casing bent ~1ft bgs

See photos →

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: RNMW-3
Site: Atex 213
Date gauged: 11/17/14
Time gauged: 1104
Depth to PSH: — Feet
Well diameter: 2 Inches
Depth to water: 10.45 Feet
Height of fluid column: 5.41 Feet
Total depth: 15.86 Feet
Volume in well: 0.92 Gallons
NAPL thickness: — Feet
(3 well volumes = 2.76 gallons)

After Bailing NAPL
Depth to PSH: _____ Feet
Depth to water: _____ Feet
NAPL thickness: _____ Feet
NAPL Recovered: _____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged: 11/17/14 1123
Purge Method: hand bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1124	0.25	20.6	1315	7.27	—	1.48
1127	1.75	22.0	1104	7.24	↓	↓
1128	2.25	22.3	1076	7.33		
1130	2.75	22.5	1007	7.32		

Actual purge volume: 3.0 gal.
Field measurements stabilized within ± 10%? _____
Time/date sampled: 11/17/14 1132
Purged/sampled by: Lane Andress
Sample method: Disposable Bailer
Requested analyses: 8260
Comments/observations: faint petroleum HC odor

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

Chain-of-Custody Record

Client: EA Engineering
320 Gold Ave SE/1210
Mailing Address: ABQ NM 87102

Phone #: 505-224-9013
email or Fax#: tmcmillan@eaest.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other ______

☐ EDD (Type) ______

Turn-Around Time:
☒ Standard ☐ **Rush** ______

Project Name: Atcy 213

Project #: 6289805/potter / 13368

Project Manager: Teri McMillan

Sampler:
On Ice: ☒ Yes ☐ No
Sample Temperature: 3.7

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
11/17/14	0824	Aq	MW-2	VOA (3)	$HgCl_2$											X						
	0855		MW-38																			
	0935		SB-2																			
	1010		W-36																			
	1047		NMW-4R																			
	1132		RNMW-3																			
	1322		RNMW-2																			
	1350		MW-3																			
	1418		MW-4R																			
	1510		NMW-1																			
	1544		W-35																			
	1618		MW-1R																			

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/18/14	1319	[signature]	[signature]	11/18/14	[illegible]
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: 1 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: EA Engineering

320 Gold Ave SW 1210

Mailing Address: ABQ NM 87102

Phone #: 505 224 9013

email or Fax#: tmcmillan@eaest.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☒ Standard ☐ Rush _____

Project Name: Atez 213

Project #: ~~6289805~~ / PO# 13368

Project Manager: Teri McMillan

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
11/7/14	NA	Aq	trip blank	VOA (2)	HgCl2											X						

Date: 11/14/14 Time: 1314 Relinquished by: _____ Received by: _____ Date Time

Date: _____ Time: _____ Relinquished by: _____ Received by: _____ Date Time

Remarks: 2 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: EA Engineering
320 Gold Ave SW STE T210
Mailing Address: ABQ, NM 87102

Phone #: 505 224 9013
email or Fax#: tmcmillan@eaest.com
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other ____________
☐ EDD (Type) ____________

Turn-Around Time:
☒ Standard ☐ **Rush** ____________
Project Name: Atex 213
Project #: 6250106.5
PO#
Project Manager: Teri McMillan
Sampler: Lane Andress
On Ice: ☒ Yes ☐ No
Sample Temperature: 10.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
12-22-14	1221	Aq	MW-6RR	3) VOA	HgCl2											X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
12-22-14	1300	[signature]	[signature]	12/22/14	1300
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

APPENDIX E

LABORATORY REPORTS

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

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

November 26, 2014

Teri McMillan
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL: (505) 259-6779
FAX

RE: Atex 213 OrderNo.: 1411707

Dear Teri McMillan:

Hall Environmental Analysis Laboratory received 13 sample(s) on 11/18/2014 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 qualifers 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-001
Matrix: AQUEOUS
Client Sample ID: MW-2
Collection Date: 11/17/2014 8:24:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Toluene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Ethylbenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Naphthalene	ND	2.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Acetone	ND	10		µg/L	1	11/21/2014 2:38:37 PM	R22714
Bromobenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Bromoform	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Bromomethane	ND	3.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
2-Butanone	ND	10		µg/L	1	11/21/2014 2:38:37 PM	R22714
Carbon disulfide	ND	10		µg/L	1	11/21/2014 2:38:37 PM	R22714
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Chlorobenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Chloroethane	ND	2.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Chloroform	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Chloromethane	ND	3.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Dibromomethane	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2014 2:38:37 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-001
Matrix: AQUEOUS
Client Sample ID: MW-2
Collection Date: 11/17/2014 8:24:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
2-Hexanone	ND	10		µg/L	1	11/21/2014 2:38:37 PM	R22714
Isopropylbenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2014 2:38:37 PM	R22714
Methylene Chloride	ND	3.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
n-Propylbenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Styrene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Vinyl chloride	ND	1.0		µg/L	1	11/21/2014 2:38:37 PM	R22714
Xylenes, Total	ND	1.5		µg/L	1	11/21/2014 2:38:37 PM	R22714
Surr: 1,2-Dichloroethane-d4	92.4	70-130		%REC	1	11/21/2014 2:38:37 PM	R22714
Surr: 4-Bromofluorobenzene	138	70-130	S	%REC	1	11/21/2014 2:38:37 PM	R22714
Surr: Dibromofluoromethane	87.4	70-130		%REC	1	11/21/2014 2:38:37 PM	R22714
Surr: Toluene-d8	108	70-130		%REC	1	11/21/2014 2:38:37 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-002
Matrix: AQUEOUS
Client Sample ID: MW-38
Collection Date: 11/17/2014 8:55:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Toluene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Ethylbenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Naphthalene	ND	2.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Acetone	ND	10		µg/L	1	11/21/2014 3:05:28 PM	R22714
Bromobenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Bromoform	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Bromomethane	ND	3.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
2-Butanone	ND	10		µg/L	1	11/21/2014 3:05:28 PM	R22714
Carbon disulfide	ND	10		µg/L	1	11/21/2014 3:05:28 PM	R22714
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Chlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Chloroethane	ND	2.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Chloroform	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Chloromethane	ND	3.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Dibromomethane	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2014 3:05:28 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-002
Matrix: AQUEOUS
Client Sample ID: MW-38
Collection Date: 11/17/2014 8:55:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
2-Hexanone	ND	10		µg/L	1	11/21/2014 3:05:28 PM	R22714
Isopropylbenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2014 3:05:28 PM	R22714
Methylene Chloride	ND	3.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
n-Propylbenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Styrene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Vinyl chloride	ND	1.0		µg/L	1	11/21/2014 3:05:28 PM	R22714
Xylenes, Total	ND	1.5		µg/L	1	11/21/2014 3:05:28 PM	R22714
Surr: 1,2-Dichloroethane-d4	93.2	70-130		%REC	1	11/21/2014 3:05:28 PM	R22714
Surr: 4-Bromofluorobenzene	130	70-130	S	%REC	1	11/21/2014 3:05:28 PM	R22714
Surr: Dibromofluoromethane	88.4	70-130		%REC	1	11/21/2014 3:05:28 PM	R22714
Surr: Toluene-d8	104	70-130		%REC	1	11/21/2014 3:05:28 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-003
Matrix: AQUEOUS
Client Sample ID: BB-2
Collection Date: 11/17/2014 9:35:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Toluene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Ethylbenzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Methyl tert-butyl ether (MTBE)	26	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Naphthalene	ND	2.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Acetone	ND	10		µg/L	1	11/21/2014 3:32:14 PM	R22714
Bromobenzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Bromoform	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Bromomethane	ND	3.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
2-Butanone	ND	10		µg/L	1	11/21/2014 3:32:14 PM	R22714
Carbon disulfide	ND	10		µg/L	1	11/21/2014 3:32:14 PM	R22714
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Chlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Chloroethane	ND	2.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Chloroform	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Chloromethane	ND	3.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Dibromomethane	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2014 3:32:14 PM	R22714

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.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-003
Matrix: AQUEOUS
Client Sample ID: BB-2
Collection Date: 11/17/2014 9:35:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
2-Hexanone	ND	10		µg/L	1	11/21/2014 3:32:14 PM	R22714
Isopropylbenzene	2.4	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2014 3:32:14 PM	R22714
Methylene Chloride	ND	3.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
n-Propylbenzene	8.3	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
sec-Butylbenzene	2.5	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Styrene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Vinyl chloride	ND	1.0		µg/L	1	11/21/2014 3:32:14 PM	R22714
Xylenes, Total	ND	1.5		µg/L	1	11/21/2014 3:32:14 PM	R22714
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	1	11/21/2014 3:32:14 PM	R22714
Surr: 4-Bromofluorobenzene	101	70-130		%REC	1	11/21/2014 3:32:14 PM	R22714
Surr: Dibromofluoromethane	91.6	70-130		%REC	1	11/21/2014 3:32:14 PM	R22714
Surr: Toluene-d8	105	70-130		%REC	1	11/21/2014 3:32:14 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-004
Matrix: AQUEOUS
Client Sample ID: W-36
Collection Date: 11/17/2014 10:10:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Toluene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Ethylbenzene	3.8	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,2,4-Trimethylbenzene	3.1	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Naphthalene	17	2.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Acetone	ND	10		µg/L	1	11/21/2014 3:58:57 PM	R22714
Bromobenzene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Bromoform	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Bromomethane	ND	3.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
2-Butanone	ND	10		µg/L	1	11/21/2014 3:58:57 PM	R22714
Carbon disulfide	ND	10		µg/L	1	11/21/2014 3:58:57 PM	R22714
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Chlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Chloroethane	ND	2.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Chloroform	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Chloromethane	ND	3.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Dibromomethane	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2014 3:58:57 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-004
Matrix: AQUEOUS
Client Sample ID: W-36
Collection Date: 11/17/2014 10:10:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
2-Hexanone	ND	10		µg/L	1	11/21/2014 3:58:57 PM	R22714
Isopropylbenzene	3.9	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2014 3:58:57 PM	R22714
Methylene Chloride	ND	3.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
n-Propylbenzene	12	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
sec-Butylbenzene	1.6	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Styrene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Vinyl chloride	ND	1.0		µg/L	1	11/21/2014 3:58:57 PM	R22714
Xylenes, Total	ND	1.5		µg/L	1	11/21/2014 3:58:57 PM	R22714
Surr: 1,2-Dichloroethane-d4	113	70-130		%REC	1	11/21/2014 3:58:57 PM	R22714
Surr: 4-Bromofluorobenzene	102	70-130		%REC	1	11/21/2014 3:58:57 PM	R22714
Surr: Dibromofluoromethane	103	70-130		%REC	1	11/21/2014 3:58:57 PM	R22714
Surr: Toluene-d8	104	70-130		%REC	1	11/21/2014 3:58:57 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-005
Matrix: AQUEOUS
Client Sample ID: NMW-4R
Collection Date: 11/17/2014 10:47:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Toluene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Ethylbenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Naphthalene	ND	2.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Acetone	ND	10		µg/L	1	11/21/2014 4:25:37 PM	R22714
Bromobenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Bromoform	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Bromomethane	ND	3.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
2-Butanone	ND	10		µg/L	1	11/21/2014 4:25:37 PM	R22714
Carbon disulfide	ND	10		µg/L	1	11/21/2014 4:25:37 PM	R22714
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Chlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Chloroethane	ND	2.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Chloroform	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Chloromethane	ND	3.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Dibromomethane	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2014 4:25:37 PM	R22714

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.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-005
Matrix: AQUEOUS
Client Sample ID: NMW-4R
Collection Date: 11/17/2014 10:47:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
2-Hexanone	ND	10		µg/L	1	11/21/2014 4:25:37 PM	R22714
Isopropylbenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2014 4:25:37 PM	R22714
Methylene Chloride	ND	3.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
n-Propylbenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Styrene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Vinyl chloride	ND	1.0		µg/L	1	11/21/2014 4:25:37 PM	R22714
Xylenes, Total	ND	1.5		µg/L	1	11/21/2014 4:25:37 PM	R22714
Surr: 1,2-Dichloroethane-d4	96.5	70-130		%REC	1	11/21/2014 4:25:37 PM	R22714
Surr: 4-Bromofluorobenzene	122	70-130		%REC	1	11/21/2014 4:25:37 PM	R22714
Surr: Dibromofluoromethane	89.5	70-130		%REC	1	11/21/2014 4:25:37 PM	R22714
Surr: Toluene-d8	106	70-130		%REC	1	11/21/2014 4:25:37 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-006 **Matrix:** AQUEOUS

Client Sample ID: RNMW-3
Collection Date: 11/17/2014 11:32:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	1.1	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Toluene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Ethylbenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Methyl tert-butyl ether (MTBE)	63	5.0		µg/L	5	11/22/2014 12:26:40 PM	R22739
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Naphthalene	2.0	2.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Acetone	ND	10		µg/L	1	11/21/2014 4:52:23 PM	R22714
Bromobenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Bromoform	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Bromomethane	ND	3.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
2-Butanone	ND	10		µg/L	1	11/21/2014 4:52:23 PM	R22714
Carbon disulfide	ND	10		µg/L	1	11/21/2014 4:52:23 PM	R22714
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Chlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Chloroethane	ND	2.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Chloroform	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Chloromethane	ND	3.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Dibromomethane	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2014 4:52:23 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-006
Matrix: AQUEOUS
Client Sample ID: RNMW-3
Collection Date: 11/17/2014 11:32:00 AM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
2-Hexanone	ND	10		µg/L	1	11/21/2014 4:52:23 PM	R22714
Isopropylbenzene	1.9	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2014 4:52:23 PM	R22714
Methylene Chloride	ND	3.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
n-Propylbenzene	4.0	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Styrene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Vinyl chloride	ND	1.0		µg/L	1	11/21/2014 4:52:23 PM	R22714
Xylenes, Total	ND	1.5		µg/L	1	11/21/2014 4:52:23 PM	R22714
Surr: 1,2-Dichloroethane-d4	103	70-130		%REC	1	11/21/2014 4:52:23 PM	R22714
Surr: 4-Bromofluorobenzene	104	70-130		%REC	1	11/21/2014 4:52:23 PM	R22714
Surr: Dibromofluoromethane	90.9	70-130		%REC	1	11/21/2014 4:52:23 PM	R22714
Surr: Toluene-d8	107	70-130		%REC	1	11/21/2014 4:52:23 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-007
Matrix: AQUEOUS
Client Sample ID: RNMW-2
Collection Date: 11/17/2014 1:22:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Toluene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Ethylbenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Methyl tert-butyl ether (MTBE)	62	5.0		µg/L	5	11/22/2014 12:53:21 PM	R22739
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Naphthalene	2.3	2.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Acetone	ND	10		µg/L	1	11/21/2014 5:19:08 PM	R22714
Bromobenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Bromoform	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Bromomethane	ND	3.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
2-Butanone	ND	10		µg/L	1	11/21/2014 5:19:08 PM	R22714
Carbon disulfide	ND	10		µg/L	1	11/21/2014 5:19:08 PM	R22714
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Chlorobenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Chloroethane	ND	2.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Chloroform	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Chloromethane	ND	3.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Dibromomethane	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2014 5:19:08 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-007
Matrix: AQUEOUS
Client Sample ID: RNMW-2
Collection Date: 11/17/2014 1:22:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
2-Hexanone	ND	10		µg/L	1	11/21/2014 5:19:08 PM	R22714
Isopropylbenzene	2.0	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2014 5:19:08 PM	R22714
Methylene Chloride	ND	3.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
n-Propylbenzene	5.1	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Styrene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Vinyl chloride	ND	1.0		µg/L	1	11/21/2014 5:19:08 PM	R22714
Xylenes, Total	ND	1.5		µg/L	1	11/21/2014 5:19:08 PM	R22714
Surr: 1,2-Dichloroethane-d4	104	70-130		%REC	1	11/21/2014 5:19:08 PM	R22714
Surr: 4-Bromofluorobenzene	118	70-130		%REC	1	11/21/2014 5:19:08 PM	R22714
Surr: Dibromofluoromethane	92.5	70-130		%REC	1	11/21/2014 5:19:08 PM	R22714
Surr: Toluene-d8	106	70-130		%REC	1	11/21/2014 5:19:08 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-008
Matrix: AQUEOUS
Client Sample ID: MW-3
Collection Date: 11/17/2014 1:50:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	3.5	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Toluene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Ethylbenzene	17	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,2,4-Trimethylbenzene	4.8	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,3,5-Trimethylbenzene	2.2	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Naphthalene	57	4.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1-Methylnaphthalene	24	8.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
2-Methylnaphthalene	38	8.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Acetone	ND	20		µg/L	2	11/21/2014 5:45:53 PM	R22714
Bromobenzene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Bromodichloromethane	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Bromoform	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Bromomethane	ND	6.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
2-Butanone	ND	20		µg/L	2	11/21/2014 5:45:53 PM	R22714
Carbon disulfide	ND	20		µg/L	2	11/21/2014 5:45:53 PM	R22714
Carbon Tetrachloride	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Chlorobenzene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Chloroethane	ND	4.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Chloroform	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Chloromethane	ND	6.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
2-Chlorotoluene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
4-Chlorotoluene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
cis-1,2-DCE	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Dibromochloromethane	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Dibromomethane	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,2-Dichlorobenzene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,3-Dichlorobenzene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,4-Dichlorobenzene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Dichlorodifluoromethane	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,1-Dichloroethane	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,1-Dichloroethene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,2-Dichloropropane	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,3-Dichloropropane	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
2,2-Dichloropropane	ND	4.0		µg/L	2	11/21/2014 5:45:53 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-008
Matrix: AQUEOUS
Client Sample ID: MW-3
Collection Date: 11/17/2014 1:50:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Hexachlorobutadiene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
2-Hexanone	ND	20		µg/L	2	11/21/2014 5:45:53 PM	R22714
Isopropylbenzene	21	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
4-Isopropyltoluene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
4-Methyl-2-pentanone	ND	20		µg/L	2	11/21/2014 5:45:53 PM	R22714
Methylene Chloride	ND	6.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
n-Butylbenzene	25	6.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
n-Propylbenzene	74	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
sec-Butylbenzene	11	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Styrene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
tert-Butylbenzene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
trans-1,2-DCE	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,1,1-Trichloroethane	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,1,2-Trichloroethane	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Trichloroethene (TCE)	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Trichlorofluoromethane	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
1,2,3-Trichloropropane	ND	4.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Vinyl chloride	ND	2.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Xylenes, Total	8.6	3.0		µg/L	2	11/21/2014 5:45:53 PM	R22714
Surr: 1,2-Dichloroethane-d4	95.1	70-130		%REC	2	11/21/2014 5:45:53 PM	R22714
Surr: 4-Bromofluorobenzene	83.0	70-130		%REC	2	11/21/2014 5:45:53 PM	R22714
Surr: Dibromofluoromethane	81.9	70-130		%REC	2	11/21/2014 5:45:53 PM	R22714
Surr: Toluene-d8	104	70-130		%REC	2	11/21/2014 5:45:53 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-009
Matrix: AQUEOUS
Client Sample ID: MW-4R
Collection Date: 11/17/2014 2:18:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Toluene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Ethylbenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Methyl tert-butyl ether (MTBE)	8.0	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Naphthalene	ND	2.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Acetone	ND	10		µg/L	1	11/21/2014 6:12:35 PM	R22714
Bromobenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Bromoform	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Bromomethane	ND	3.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
2-Butanone	ND	10		µg/L	1	11/21/2014 6:12:35 PM	R22714
Carbon disulfide	ND	10		µg/L	1	11/21/2014 6:12:35 PM	R22714
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Chlorobenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Chloroethane	ND	2.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Chloroform	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Chloromethane	ND	3.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Dibromomethane	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2014 6:12:35 PM	R22714

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.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-009
Matrix: AQUEOUS
Client Sample ID: MW-4R
Collection Date: 11/17/2014 2:18:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
2-Hexanone	ND	10		µg/L	1	11/21/2014 6:12:35 PM	R22714
Isopropylbenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2014 6:12:35 PM	R22714
Methylene Chloride	ND	3.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
n-Propylbenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Styrene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Vinyl chloride	ND	1.0		µg/L	1	11/21/2014 6:12:35 PM	R22714
Xylenes, Total	ND	1.5		µg/L	1	11/21/2014 6:12:35 PM	R22714
Surr: 1,2-Dichloroethane-d4	96.0	70-130		%REC	1	11/21/2014 6:12:35 PM	R22714
Surr: 4-Bromofluorobenzene	128	70-130		%REC	1	11/21/2014 6:12:35 PM	R22714
Surr: Dibromofluoromethane	92.4	70-130		%REC	1	11/21/2014 6:12:35 PM	R22714
Surr: Toluene-d8	104	70-130		%REC	1	11/21/2014 6:12:35 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-010
Matrix: AQUEOUS
Client Sample ID: NMW--1
Collection Date: 11/17/2014 3:10:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	52	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Toluene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Ethylbenzene	5.3	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Methyl tert-butyl ether (MTBE)	9.3	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,2,4-Trimethylbenzene	12	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Naphthalene	ND	10		µg/L	5	11/22/2014 1:20:08 PM	R22739
1-Methylnaphthalene	ND	20		µg/L	5	11/22/2014 1:20:08 PM	R22739
2-Methylnaphthalene	ND	20		µg/L	5	11/22/2014 1:20:08 PM	R22739
Acetone	ND	50		µg/L	5	11/22/2014 1:20:08 PM	R22739
Bromobenzene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Bromodichloromethane	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Bromoform	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Bromomethane	ND	15		µg/L	5	11/22/2014 1:20:08 PM	R22739
2-Butanone	ND	50		µg/L	5	11/22/2014 1:20:08 PM	R22739
Carbon disulfide	ND	50		µg/L	5	11/22/2014 1:20:08 PM	R22739
Carbon Tetrachloride	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Chlorobenzene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Chloroethane	ND	10		µg/L	5	11/22/2014 1:20:08 PM	R22739
Chloroform	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Chloromethane	ND	15		µg/L	5	11/22/2014 1:20:08 PM	R22739
2-Chlorotoluene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
4-Chlorotoluene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
cis-1,2-DCE	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/22/2014 1:20:08 PM	R22739
Dibromochloromethane	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Dibromomethane	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,1-Dichloroethane	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,1-Dichloroethene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,2-Dichloropropane	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,3-Dichloropropane	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
2,2-Dichloropropane	ND	10		µg/L	5	11/22/2014 1:20:08 PM	R22739

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.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-010
Matrix: AQUEOUS
Client Sample ID: NMW--1
Collection Date: 11/17/2014 3:10:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Hexachlorobutadiene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
2-Hexanone	ND	50		µg/L	5	11/22/2014 1:20:08 PM	R22739
Isopropylbenzene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
4-Isopropyltoluene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
4-Methyl-2-pentanone	ND	50		µg/L	5	11/22/2014 1:20:08 PM	R22739
Methylene Chloride	ND	15		µg/L	5	11/22/2014 1:20:08 PM	R22739
n-Butylbenzene	ND	15		µg/L	5	11/22/2014 1:20:08 PM	R22739
n-Propylbenzene	7.8	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
sec-Butylbenzene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Styrene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
tert-Butylbenzene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/22/2014 1:20:08 PM	R22739
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
trans-1,2-DCE	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Trichlorofluoromethane	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
1,2,3-Trichloropropane	ND	10		µg/L	5	11/22/2014 1:20:08 PM	R22739
Vinyl chloride	ND	5.0		µg/L	5	11/22/2014 1:20:08 PM	R22739
Xylenes, Total	19	7.5		µg/L	5	11/22/2014 1:20:08 PM	R22739
Surr: 1,2-Dichloroethane-d4	99.2	70-130		%REC	5	11/22/2014 1:20:08 PM	R22739
Surr: 4-Bromofluorobenzene	97.6	70-130		%REC	5	11/22/2014 1:20:08 PM	R22739
Surr: Dibromofluoromethane	89.7	70-130		%REC	5	11/22/2014 1:20:08 PM	R22739
Surr: Toluene-d8	101	70-130		%REC	5	11/22/2014 1:20:08 PM	R22739

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-011
Matrix: AQUEOUS
Client Sample ID: W-35
Collection Date: 11/17/2014 3:44:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Toluene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Ethylbenzene	15	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Naphthalene	64	20		µg/L	10	11/22/2014 1:46:59 PM	R22739
1-Methylnaphthalene	28	4.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
2-Methylnaphthalene	6.9	4.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Acetone	ND	10		µg/L	1	11/21/2014 8:53:02 PM	R22714
Bromobenzene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Bromoform	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Bromomethane	ND	3.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
2-Butanone	ND	10		µg/L	1	11/21/2014 8:53:02 PM	R22714
Carbon disulfide	ND	10		µg/L	1	11/21/2014 8:53:02 PM	R22714
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Chlorobenzene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Chloroethane	ND	2.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Chloroform	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Chloromethane	ND	3.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Dibromomethane	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2014 8:53:02 PM	R22714

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.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-011
Matrix: AQUEOUS
Client Sample ID: W-35
Collection Date: 11/17/2014 3:44:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
2-Hexanone	ND	10		µg/L	1	11/21/2014 8:53:02 PM	R22714
Isopropylbenzene	27	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2014 8:53:02 PM	R22714
Methylene Chloride	ND	3.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
n-Butylbenzene	5.9	3.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
n-Propylbenzene	72	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
sec-Butylbenzene	6.2	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Styrene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Vinyl chloride	ND	1.0		µg/L	1	11/21/2014 8:53:02 PM	R22714
Xylenes, Total	ND	1.5		µg/L	1	11/21/2014 8:53:02 PM	R22714
Surr: 1,2-Dichloroethane-d4	99.2	70-130		%REC	1	11/21/2014 8:53:02 PM	R22714
Surr: 4-Bromofluorobenzene	90.5	70-130		%REC	1	11/21/2014 8:53:02 PM	R22714
Surr: Dibromofluoromethane	90.7	70-130		%REC	1	11/21/2014 8:53:02 PM	R22714
Surr: Toluene-d8	100	70-130		%REC	1	11/21/2014 8:53:02 PM	R22714

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

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.
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-012
Matrix: AQUEOUS
Client Sample ID: MW-1R
Collection Date: 11/17/2014 4:18:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Toluene	1.6	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Ethylbenzene	50	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,2,4-Trimethylbenzene	2.7	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,3,5-Trimethylbenzene	5.6	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Naphthalene	33	2.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1-Methylnaphthalene	18	4.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
2-Methylnaphthalene	8.9	4.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Acetone	ND	10		µg/L	1	11/22/2014 2:13:49 PM	R22739
Bromobenzene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Bromodichloromethane	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Bromoform	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Bromomethane	ND	3.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
2-Butanone	ND	10		µg/L	1	11/22/2014 2:13:49 PM	R22739
Carbon disulfide	ND	10		µg/L	1	11/22/2014 2:13:49 PM	R22739
Carbon Tetrachloride	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Chlorobenzene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Chloroethane	ND	2.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Chloroform	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Chloromethane	ND	3.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
2-Chlorotoluene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
4-Chlorotoluene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
cis-1,2-DCE	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Dibromochloromethane	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Dibromomethane	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,1-Dichloroethane	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,1-Dichloroethene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,2-Dichloropropane	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,3-Dichloropropane	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
2,2-Dichloropropane	ND	2.0		µg/L	1	11/22/2014 2:13:49 PM	R22739

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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.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-012
Matrix: AQUEOUS
Client Sample ID: MW-1R
Collection Date: 11/17/2014 4:18:00 PM
Received Date: 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Hexachlorobutadiene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
2-Hexanone	ND	10		µg/L	1	11/22/2014 2:13:49 PM	R22739
Isopropylbenzene	17	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
4-Isopropyltoluene	1.3	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
4-Methyl-2-pentanone	ND	10		µg/L	1	11/22/2014 2:13:49 PM	R22739
Methylene Chloride	ND	3.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
n-Butylbenzene	12	3.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
n-Propylbenzene	63	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
sec-Butylbenzene	8.3	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Styrene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
tert-Butylbenzene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
trans-1,2-DCE	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Trichlorofluoromethane	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Vinyl chloride	ND	1.0		µg/L	1	11/22/2014 2:13:49 PM	R22739
Xylenes, Total	4.6	1.5		µg/L	1	11/22/2014 2:13:49 PM	R22739
Surr: 1,2-Dichloroethane-d4	99.1	70-130		%REC	1	11/22/2014 2:13:49 PM	R22739
Surr: 4-Bromofluorobenzene	87.5	70-130		%REC	1	11/22/2014 2:13:49 PM	R22739
Surr: Dibromofluoromethane	85.0	70-130		%REC	1	11/22/2014 2:13:49 PM	R22739
Surr: Toluene-d8	101	70-130		%REC	1	11/22/2014 2:13:49 PM	R22739

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-013

Client Sample ID: TRIP BLANK
Collection Date:
Matrix: TRIP BLANK **Received Date:** 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Toluene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Ethylbenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Naphthalene	ND	2.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Acetone	ND	10		µg/L	1	11/21/2014 9:46:30 PM	R22714
Bromobenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Bromoform	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Bromomethane	ND	3.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
2-Butanone	ND	10		µg/L	1	11/21/2014 9:46:30 PM	R22714
Carbon disulfide	ND	10		µg/L	1	11/21/2014 9:46:30 PM	R22714
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Chlorobenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Chloroethane	ND	2.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Chloroform	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Chloromethane	ND	3.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Dibromomethane	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2014 9:46:30 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering
Project: Atex 213
Lab ID: 1411707-013

Client Sample ID: TRIP BLANK
Collection Date:
Matrix: TRIP BLANK **Received Date:** 11/18/2014 1:19:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
2-Hexanone	ND	10		µg/L	1	11/21/2014 9:46:30 PM	R22714
Isopropylbenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2014 9:46:30 PM	R22714
Methylene Chloride	ND	3.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
n-Propylbenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Styrene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Vinyl chloride	ND	1.0		µg/L	1	11/21/2014 9:46:30 PM	R22714
Xylenes, Total	ND	1.5		µg/L	1	11/21/2014 9:46:30 PM	R22714
Surr: 1,2-Dichloroethane-d4	99.3	70-130		%REC	1	11/21/2014 9:46:30 PM	R22714
Surr: 4-Bromofluorobenzene	133	70-130	S	%REC	1	11/21/2014 9:46:30 PM	R22714
Surr: Dibromofluoromethane	92.6	70-130		%REC	1	11/21/2014 9:46:30 PM	R22714
Surr: Toluene-d8	112	70-130		%REC	1	11/21/2014 9:46:30 PM	R22714

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411707**

26-Nov-14

Client: EA Engineering
Project: Atex 213

Sample ID **b1**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R22649**	RunNo: **22649**
Prep Date:	Analysis Date: **11/19/2014**	SeqNo: **667863** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		103	70	130			
Surr: 4-Bromofluorobenzene	14		10.00		141	70	130			S
Surr: Dibromofluoromethane	9.6		10.00		96.2	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: **R22649**	RunNo: **22649**
Prep Date:	Analysis Date: **11/19/2014**	SeqNo: **667865** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	13		10.00		134	70	130			S
Surr: Dibromofluoromethane	9.6		10.00		95.6	70	130			
Surr: Toluene-d8	9.4		10.00		94.4	70	130			

Sample ID **5mL rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R22714**	RunNo: **22714**
Prep Date:	Analysis Date: **11/21/2014**	SeqNo: **669903** 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								

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411707**

26-Nov-14

Client: EA Engineering
Project: Atex 213

Sample ID **5mL rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R22714**	RunNo: **22714**
Prep Date:	Analysis Date: **11/21/2014**	SeqNo: **669903** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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								
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								

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411707**

26-Nov-14

Client: EA Engineering
Project: Atex 213

Sample ID **5mL rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R22714**	RunNo: **22714**
Prep Date:	Analysis Date: **11/21/2014**	SeqNo: **669903** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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	9.7		10.00		96.5	70	130			
Surr: 4-Bromofluorobenzene	14		10.00		136	70	130			S
Surr: Dibromofluoromethane	9.4		10.00		94.4	70	130			
Surr: Toluene-d8	11		10.00		108	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R22714**	RunNo: **22714**
Prep Date:	Analysis Date: **11/21/2014**	SeqNo: **669905** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	70	130			
Toluene	20	1.0	20.00	0	101	80	120			
Chlorobenzene	19	1.0	20.00	0	96.7	70	130			
1,1-Dichloroethene	18	1.0	20.00	0	92.4	82.6	131			
Trichloroethene (TCE)	17	1.0	20.00	0	86.5	70	130			
Surr: 1,2-Dichloroethane-d4	9.5		10.00		95.5	70	130			
Surr: 4-Bromofluorobenzene	14		10.00		136	70	130			S
Surr: Dibromofluoromethane	9.3		10.00		93.3	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID **1411707-009a ms**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **MW-4R**	Batch ID: **R22714**	RunNo: **22714**
Prep Date:	Analysis Date: **11/21/2014**	SeqNo: **669918** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Chlorobenzene	18	1.0	20.00	0	91.4	70	130			
1,1-Dichloroethene	18	1.0	20.00	0	90.3	70	130			
Trichloroethene (TCE)	16	1.0	20.00	0	81.9	70	130			
Surr: 1,2-Dichloroethane-d4	9.9		10.00		98.8	70	130			
Surr: 4-Bromofluorobenzene	12		10.00		125	70	130			
Surr: Dibromofluoromethane	8.7		10.00		87.2	70	130			
Surr: Toluene-d8	11		10.00		105	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411707**

26-Nov-14

Client: EA Engineering
Project: Atex 213

Sample ID **1411707-009a msd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **MW-4R**	Batch ID: **R22714**	RunNo: **22714**
Prep Date:	Analysis Date: **11/21/2014**	SeqNo: **669919** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	70	130	3.54	20	
Toluene	19	1.0	20.00	0	96.9	70	130	5.09	20	
Chlorobenzene	18	1.0	20.00	0	89.4	70	130	2.18	20	
1,1-Dichloroethene	17	1.0	20.00	0	85.3	70	130	5.73	20	
Trichloroethene (TCE)	16	1.0	20.00	0	80.8	70	130	1.34	20	
Surr: 1,2-Dichloroethane-d4	9.6		10.00		95.7	70	130	0	0	
Surr: 4-Bromofluorobenzene	13		10.00		133	70	130	0	0	S
Surr: Dibromofluoromethane	9.0		10.00		89.7	70	130	0	0	
Surr: Toluene-d8	10		10.00		104	70	130	0	0	

Sample ID **5mL rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R22739**	RunNo: **22739**
Prep Date:	Analysis Date: **11/22/2014**	SeqNo: **670904** 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								

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411707**

26-Nov-14

Client: EA Engineering
Project: Atex 213

Sample ID **5mL rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R22739**	RunNo: **22739**
Prep Date:	Analysis Date: **11/22/2014**	SeqNo: **670904** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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								
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								

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411707**

26-Nov-14

Client: EA Engineering
Project: Atex 213

Sample ID **5mL rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R22739**	RunNo: **22739**
Prep Date:	Analysis Date: **11/22/2014**	SeqNo: **670904** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.5		10.00		95.3	70	130			
Surr: 4-Bromofluorobenzene	12		10.00		119	70	130			
Surr: Dibromofluoromethane	8.8		10.00		87.8	70	130			
Surr: Toluene-d8	11		10.00		109	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R22739**	RunNo: **22739**
Prep Date:	Analysis Date: **11/22/2014**	SeqNo: **670906** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	103	70	130			
Toluene	20	1.0	20.00	0	100	80	120			
Chlorobenzene	19	1.0	20.00	0	96.8	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	92.6	82.6	131			
Trichloroethene (TCE)	17	1.0	20.00	0	87.2	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.1	70	130			
Surr: 4-Bromofluorobenzene	12		10.00		116	70	130			
Surr: Dibromofluoromethane	9.5		10.00		95.1	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID **b2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R22739**	RunNo: **22739**
Prep Date:	Analysis Date: **11/22/2014**	SeqNo: **670944** 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								

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411707**

26-Nov-14

Client: EA Engineering

Project: Atex 213

Sample ID **b2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R22739**	RunNo: **22739**
Prep Date:	Analysis Date: **11/22/2014**	SeqNo: **670944** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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								
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								

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411707**

26-Nov-14

Client: EA Engineering
Project: Atex 213

Sample ID **b2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R22739**	RunNo: **22739**
Prep Date:	Analysis Date: **11/22/2014**	SeqNo: **670944** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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	9.1		10.00		90.9	70	130			
Surr: 4-Bromofluorobenzene	13		10.00		126	70	130			
Surr: Dibromofluoromethane	8.7		10.00		87.4	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R22739**	RunNo: **22739**
Prep Date:	Analysis Date: **11/22/2014**	SeqNo: **670946** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	70	130			
Toluene	21	1.0	20.00	0	103	80	120			
Chlorobenzene	19	1.0	20.00	0	96.2	70	130			
1,1-Dichloroethene	18	1.0	20.00	0	88.4	82.6	131			
Trichloroethene (TCE)	18	1.0	20.00	0	89.6	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		99.7	70	130			
Surr: 4-Bromofluorobenzene	12		10.00		125	70	130			
Surr: Dibromofluoromethane	9.3		10.00		93.2	70	130			
Surr: Toluene-d8	11		10.00		108	70	130			

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: EA Engineering Alb | Work Order Number: 1411707 | RcptNo: 1

Received by/date: 11/18/14

Logged By: **Ashley Gallegos** 11/18/2014 1:19:00 PM

Completed By: **Ashley Gallegos** 11/18/2014 2:47:30 PM

Reviewed By: CS 11/19/14

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: ☐ eMail ☐ Phone ☐ Fax ☐ 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	3.3	Good	Not Present			

Chain-of-Custody Record

Client: EA Engineering

320 Gold Ave Ste 1210

Mailing Address: ABQ NM 87102

Phone #: 505-224-9013

email or Fax#: tmcmillan@eaest.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Atey 213

Project #: ~~228805~~ / PO# 13368

Project Manager: Teri McMillan

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1411607	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
11/17/14	0824	Aq	MW-2	VOA (3)	$HgCl_2$	-001										X		
	0855		MW-38			-002												
	0935		SB-2			-003												
	1010		W-36			-004												
	1047		NMW-4R			-005												
	1132		RNMW-3			-006												
	1322		RNMW-2			-007												
	1350		MW-3			-008												
	1418		MW-4R			-009												
	1510		NMW-1			-010												
	1544		W-35			-011												
	1618		MW-1R			-012												

Date	Time	Relinquished by:	Received by:	Date	Time
11/18/14	1319			11/18/14	1319
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: 1 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: EA Engineering
320 Gold Ave ste 1210
Mailing Address: ABQ NM 87102

Phone #: 505-224-9013
email or Fax#: tmcmillan@eaest.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Atex 213

Project #: ~~6289805~~ 250106 / PO# 13368

Project Manager: Ted McMillan

Sampler:
On Ice: ☒ Yes ☐ No

Sample Temperature: 3.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1411706	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
11/17/14	NA	Aq	trip Blank	VOA (2)	HgCl2	-013										X						

Date: 11/18/14 Time: 1314 Relinquished by: _____ Received by: _____ Date: 11/18/14 Time: 1314

Date: _____ Time: _____ Relinquished by: _____ Received by: _____ Date: _____ Time: _____

Remarks: 2 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

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

January 05, 2015

Teri McMillan
EA Engineering, Science and Technology
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL: (505) 259-6779
FAX

RE: Atex 213 OrderNo.: 1412A34

Dear Teri McMillan:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/22/2014 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 qualifers 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: MW-6RR
Project: Atex 213
Collection Date: 12/22/2014 12:21:00 PM
Lab ID: 1412A34-001 **Matrix:** AQUEOUS **Received Date:** 12/22/2014 1:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Toluene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Ethylbenzene	130	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Methyl tert-butyl ether (MTBE)	13	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,2,4-Trimethylbenzene	88	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,3,5-Trimethylbenzene	7.8	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Naphthalene	170	10		µg/L	5	1/2/2015 1:35:26 PM	R23462
1-Methylnaphthalene	60	20		µg/L	5	1/2/2015 1:35:26 PM	R23462
2-Methylnaphthalene	32	20		µg/L	5	1/2/2015 1:35:26 PM	R23462
Acetone	ND	50		µg/L	5	1/2/2015 1:35:26 PM	R23462
Bromobenzene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Bromodichloromethane	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Bromoform	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Bromomethane	ND	15		µg/L	5	1/2/2015 1:35:26 PM	R23462
2-Butanone	ND	50		µg/L	5	1/2/2015 1:35:26 PM	R23462
Carbon disulfide	ND	50		µg/L	5	1/2/2015 1:35:26 PM	R23462
Carbon Tetrachloride	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Chlorobenzene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Chloroethane	ND	10		µg/L	5	1/2/2015 1:35:26 PM	R23462
Chloroform	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Chloromethane	ND	15		µg/L	5	1/2/2015 1:35:26 PM	R23462
2-Chlorotoluene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
4-Chlorotoluene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
cis-1,2-DCE	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	1/2/2015 1:35:26 PM	R23462
Dibromochloromethane	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Dibromomethane	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,2-Dichlorobenzene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,3-Dichlorobenzene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,4-Dichlorobenzene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Dichlorodifluoromethane	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,1-Dichloroethane	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,1-Dichloroethene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,2-Dichloropropane	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,3-Dichloropropane	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
2,2-Dichloropropane	ND	10		µg/L	5	1/2/2015 1:35:26 PM	R23462

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.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Project: Atex 213
Lab ID: 1412A34-001 **Matrix:** AQUEOUS

Client Sample ID: MW-6RR
Collection Date: 12/22/2014 12:21:00 PM
Received Date: 12/22/2014 1:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Hexachlorobutadiene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
2-Hexanone	ND	50		µg/L	5	1/2/2015 1:35:26 PM	R23462
Isopropylbenzene	32	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
4-Isopropyltoluene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
4-Methyl-2-pentanone	ND	50		µg/L	5	1/2/2015 1:35:26 PM	R23462
Methylene Chloride	ND	15		µg/L	5	1/2/2015 1:35:26 PM	R23462
n-Butylbenzene	16	15		µg/L	5	1/2/2015 1:35:26 PM	R23462
n-Propylbenzene	92	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
sec-Butylbenzene	8.3	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Styrene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
tert-Butylbenzene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	1/2/2015 1:35:26 PM	R23462
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
trans-1,2-DCE	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,1,1-Trichloroethane	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,1,2-Trichloroethane	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Trichloroethene (TCE)	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Trichlorofluoromethane	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
1,2,3-Trichloropropane	ND	10		µg/L	5	1/2/2015 1:35:26 PM	R23462
Vinyl chloride	ND	5.0		µg/L	5	1/2/2015 1:35:26 PM	R23462
Xylenes, Total	27	7.5		µg/L	5	1/2/2015 1:35:26 PM	R23462
Surr: 1,2-Dichloroethane-d4	87.7	70-130		%REC	5	1/2/2015 1:35:26 PM	R23462
Surr: 4-Bromofluorobenzene	73.3	70-130		%REC	5	1/2/2015 1:35:26 PM	R23462
Surr: Dibromofluoromethane	85.9	70-130		%REC	5	1/2/2015 1:35:26 PM	R23462
Surr: Toluene-d8	87.7	70-130		%REC	5	1/2/2015 1:35:26 PM	R23462

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

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412A34**

05-Jan-15

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: **R23448**	RunNo: **23448**
Prep Date:	Analysis Date: **12/31/2014**	SeqNo: **692880** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.6		10.00		86.0	70	130			
Surr: 4-Bromofluorobenzene	9.0		10.00		89.9	70	130			
Surr: Dibromofluoromethane	8.4		10.00		84.2	70	130			
Surr: Toluene-d8	8.9		10.00		89.2	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R23448**	RunNo: **23448**
Prep Date:	Analysis Date: **12/31/2014**	SeqNo: **692882** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.7		10.00		87.4	70	130			
Surr: 4-Bromofluorobenzene	8.8		10.00		88.4	70	130			
Surr: Dibromofluoromethane	8.6		10.00		85.6	70	130			
Surr: Toluene-d8	8.2		10.00		81.6	70	130			

Sample ID **b2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R23448**	RunNo: **23448**
Prep Date:	Analysis Date: **12/31/2014**	SeqNo: **692922** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.3		10.00		82.8	70	130			
Surr: 4-Bromofluorobenzene	8.7		10.00		87.0	70	130			
Surr: Dibromofluoromethane	8.0		10.00		80.2	70	130			
Surr: Toluene-d8	8.9		10.00		88.8	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R23448**	RunNo: **23448**
Prep Date:	Analysis Date: **12/31/2014**	SeqNo: **692924** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.7		10.00		87.1	70	130			
Surr: 4-Bromofluorobenzene	8.6		10.00		86.3	70	130			
Surr: Dibromofluoromethane	8.7		10.00		87.3	70	130			
Surr: Toluene-d8	8.6		10.00		86.3	70	130			

Sample ID **5mL rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R23462**	RunNo: **23462**
Prep Date:	Analysis Date: **1/2/2015**	SeqNo: **693311** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412A34**

05-Jan-15

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: **R23462**	RunNo: **23462**
Prep Date:	Analysis Date: **1/2/2015**	SeqNo: **693311** 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.	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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412A34**

05-Jan-15

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: **R23462**	RunNo: **23462**
Prep Date:	Analysis Date: **1/2/2015**	SeqNo: **693311** 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	8.3		10.00		83.2	70	130			
Surr: 4-Bromofluorobenzene	8.4		10.00		84.2	70	130			
Surr: Dibromofluoromethane	8.5		10.00		85.5	70	130			
Surr: Toluene-d8	8.8		10.00		88.1	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R23462**	RunNo: **23462**
Prep Date:	Analysis Date: **1/2/2015**	SeqNo: **693313** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	96.6	70	130			
Toluene	22	1.0	20.00	0	111	70	130			
Chlorobenzene	21	1.0	20.00	0	103	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412A34**

05-Jan-15

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: **R23462**			RunNo: **23462**					
Prep Date:	Analysis Date: **1/2/2015**			SeqNo: **693313**		Units: **µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	24	1.0	20.00	0	118	75.6	144			
Trichloroethene (TCE)	18	1.0	20.00	0	92.0	70	130			
Surr: 1,2-Dichloroethane-d4	9.0		10.00		89.6	70	130			
Surr: 4-Bromofluorobenzene	8.5		10.00		85.0	70	130			
Surr: Dibromofluoromethane	8.7		10.00		87.4	70	130			
Surr: Toluene-d8	8.9		10.00		88.8	70	130			

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: EA Engineering Alb Work Order Number: 1412A34 RcptNo: 1

Received by/date: AT 12/22/14

Logged By: Anne Thorne 12/22/2014 1:00:00 PM Anne Thorne

Completed By: Anne Thorne 12/22/2014 Anne Thorne

Reviewed By: AT 12/22/14

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 ☐
   Samples were collected the same day and chilled.
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 ☑
    # of preserved bottles checked for pH:
12. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
    (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐ Adjusted?
14. Is it clear what analyses were requested? Yes ☑ No ☐
15. Were all holding times able to be met? Yes ☑ No ☐ Checked by:
    (If no, notify customer for authorization.)

Special Handling (if applicable)

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

Person Notified: _____ Date _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ 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	10.4	Good	Not Present			

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Client: EA Engineering
320 Gold Ave SW STE T210
Mailing Address: ABQ, NM 87102
Phone #: 505 224 9013
email or Fax#: tmcmillan@eaest.com
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: Atex 213
Project #: ~~63501 06.5~~ #12122114
PO# 6289805 / PO# 13368
Project Manager: Teri McMillan
Sampler: Lane Andress
On Ice: ☒ Yes ☐ No
Sample Temperature: 10.4

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1412A34	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
12-22-14	1221	Aq	MW-6RR	(3) VOA	HgCl2	-001										X						

Date	Time	Relinquished by	Received by	Date	Time
12-22-14	1300	[signature]	[signature]	12/22/14	1300

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.