

### WELL PLUGGING AND ABANDONMENT, WELL INSTALLATION, AND GROUNDWATER MONITORING REPORT ATEX #213 PSTB FACILITY # 31815 3501 ISLETA BOULEVARD, ALBUQUERQUE, NEW MEXICO

Prepared by:

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

May 2014

EA Project No.6250106.05

#### STATEMENT OF FAMILIARITY

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

Signature:

Name:Gary DesselleAffiliation:EA Engineering, Science, and Technology, Inc.Title:Project ManagerDate:May 22, 2014

#### I. INTRODUCTION

EA Engineering, Science and Technology, Inc. (EA) has completed well plugging and abandonment, well installation, and a 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 Well Installation, Well Plugging and Abandonment, and Groundwater Sampling, Atex 213, Albuquerque, New Mexico,* 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 February 17, 2014, and a 33-day extension of time to obtain site access was approved on April 15, 2014. A change order for additional labor needed to obtain site access was approved on April 21, 2014. All work was completed under work plan identification number (WPID #) 3731-1.

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 April 29, 2014 and May 2, 2014. Eight monitor wells were plugged and abandoned (MW-1, MW-4, MW-5, MW-6, MW-29, NMW-4, W-34, and W-37), and four monitor wells (MW-1R, MW-4R, MW-6R, and NMW-4R) were installed by Rodgers and Company, Inc., using a CME 75 drilling rig equipped with a hollow-stem auger. Wells W-35 and W-36 were found to have been paved over during the October 2013 groundwater monitoring event; these wells were located and the asphalt was removed. There was no need to install new well pads. Instead, new well seals and well plugs were installed on these wells and they are now both accessible for future groundwater monitoring. Monitor well MW-5R was scheduled to be installed, however, the location for this well is beneath high-voltage, overhead power lines associated with the electric substation. It was determined that a drill rig could not operate safely beneath the installation area.

Groundwater from all newly installed wells and existing wells BB-2, MW-2, MW-3, MW-38, NMW-1, RNMW-2, RNMW-3, MW-35 and W-36 was collected and submitted for laboratory analysis. Groundwater samples collected were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tertiary butyl ether (MTBE), and total naphthalenes by Environmental Protection Agency (EPA) Method 8260B. In addition, pH, specific conductance, dissolved oxygen, and temperature were monitored for existing wells prior to sampling. Specific conductance, pH, and temperature were monitored in the newly installed wells during development and subsequent sampling.

### 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 1<sup>st</sup> 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 submitted a work plan for well installation, well plugging and abandonment, and groundwater sampling in January 2014; it was approved by NMED in February 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

#### Site Access

The following is a summary of activities performed in order to gain access to all parcels within the site.

- Five parcels were identified within the site: Three fast food restaurants, the Public Service Company of New Mexico (PNM) substation, and one private owner.
- The fast food restaurants provided access in a timely manner.
- The private parcel owner did not respond to letters sent by EA and did not return phone messages. EA attempted to hand-deliver the access agreement, but the owner was not home. A phone number given by another resident of the home was not answered.
  - The start date of drilling activities was postponed due to lack of access to the main parcel.
  - NMED PSTB sent an access letter on April 3, 2014.
  - The property owner signed an access agreement on April 8, 2014.
- PNM agreed to provide access for one week; however, this access agreement expired due to the postponement of work. Another access agreement was executed after work was rescheduled.

### Drilling and Monitoring Well Installation

Four groundwater monitoring wells were installed at the site between April 29, 2014 and April 30, 2014.

Soil samples collected from the borings indicate that the subsurface lithology beneath the site consists of predominantly well graded and poorly graded sands, silty sands, sandy clay and minor clays. All borings (except the boring for well MW-1R) contained a mixture of well graded and poorly graded sands and silty sands, with a sandy clay/clay at a depth of approximately 9 feet below ground surface (ft bgs). The boring for well MW-1R contained a mixture of well graded and poorly graded sands only. The total depth of all four borings was approximately 21 ft bgs. Groundwater was noted at approximately 9 to 11 ft bgs, and was generally deeper moving north to south.

Replacement monitoring wells MW-1R, MW-4R, MW-6R, and NMW-4R were 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. Each 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. Each well was completed with a flush-mounted, traffic-rated well vault set in Portland cement.

#### Soil Sampling

Soil samples were not collected from the borings for laboratory analysis. Soil samples were obtained from a 2-foot split spoon sampler for lithologic characterization and for field screening. Field screening was conducted with a photoionization detector (PID) using the heated headspace method as described in the Guidelines for Corrective Action (NMED, 2000).

Drill cuttings were placed into 55-gallon drums. One composite soil sample of the drill cuttings was collected for investigation-derived waste (IDW), and was characterized for lead, total petroleum hydrocarbons, and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Soil drums were disposed of by Rhino Environmental. Holding times, analytical methods, sample containers and method preservatives are displayed in Table 2. The waste manifest is provided in Appendix A. Boring logs (including PID results) and well completion diagrams are presented in Appendix B. Photographs are included as Appendix C. Field notes are included as Appendix D.

#### Well Plugging and Abandonment

Monitor wells MW-1, MW-4, MW-5, MW-6, MW-29, NMW-4, W-34, and W-37 were plugged and abandoned with cement grout from the bottom of the well casing using a tremmie pipe to approximately two-feet bgs. The casing was then removed to the extent practicable, and the vault or stick-up mount was removed. The well plugging and abandonment report is included in Appendix E.

### Surveying

Newly installed wells and existing wells BB-2, MW-2, MW-3, MW-38, NMW-1, RNMW-2, RNMW-3, MW-35 and W-36 were surveyed by Dennis Engineering on May 8, 2014. New survey information is included in Table 1 and Appendix F. Note that wells MW-2 and MW-3 were locked during the survey; only the ground surface and the top of the well shroud could be surveyed. However, the top of casing was corrected by measuring the distance from the top of the well shroud to the top of the well casing.

### Well Development and Groundwater Sampling Activities – Installed Wells

After the installed wells were allowed to set for approximately 24 hours, each well was developed by purging at least 10 well volumes with a surge block and a pump. Field parameters (pH, specific conductance, temperature) were recorded during purging and development (except for NMW-4R, see Table 4). After development a groundwater sample from each well 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. All installed wells were sampled on May 1, 2014.

On May 2, 2014, after installed wells had been developed and allowed to remain undisturbed for at least 24 hours, they were were gauged with an electronic water level meter for data to be included in Table 1, Figure 2, and Appendix G.

### 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 elevation map (Figure 2) was constructed based on the collected data. Hydrographs for select monitor wells are provided in Appendix G.

Existing monitoring wells were sampled with disposable bailers between May 1 and May 2, 2014. All equipment was decontaminated between wells with an Alconox<sup>™</sup> 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 a YSI 63 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 H.

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 report is provided in Appendix I.

#### Groundwater Sampling Results

During this sampling event, dissolved phase hydrocarbon concentrations were above New Mexico Water Quality Control Commission (NMWQCC) groundwater quality standards in 6 (MW-1R, MW-4R, MW-6R, NMW-1, RNMW-2, and W-35) of the 13 wells sampled. The NMWQCC groundwater quality standard for benzene is 10  $\mu$ g/L and is 30  $\mu$ g/L for total naphthalenes. Well MW-4R contained benzene and total naphthalenes at concentrations of 29 micrograms per liter ( $\mu$ g/L) and 64.6  $\mu$ g/L, respectively. Well NMW-1 and well RNMW-2 contained benzene at concentrations of 190  $\mu$ g/L and 12  $\mu$ g/L, respectively. Respective total naphthalene concentrations in wells MW-1R, MW-6R, and W-35 were 534  $\mu$ g/L, 55.5  $\mu$ g/L, and 124  $\mu$ g/L. Laboratory results are summarized in Table 3.

#### D. System Performance and Effectiveness

A remediation system has not been installed at the site.

### E. Statement Verifying Containment of Release

The dissolved-phase hydrocarbon plumes are adequately defined. Both benzene and naphthalene dissolved phase plumes have migrated off-site.

### III. SUMMARY AND CONCLUSIONS

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

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

The results of groundwater gauging indicate that water levels have all dropped by approximately one-tenth to two-tenths of a foot when compared to the previous groundwater gauging conducted in October 2013. Hydrographs for select wells are included in Appendix G. 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 October 2013 event. Notable results from newly installed wells indicate a further western distribution of naphthalenes (MW-1R) to the north of the site than previously observed, and replacement wells MW-4R and MW-6R both contained naphthalenes above NMWQCC standards. Well MW-4 has not contained naphthalenes above standards since monitoring began, and well MW-6 has not contained naphthalenes above standards since December 2006. Downgradient, replacement well NMW-4R contained detectable benzene (8.0  $\mu$ g/L) that was never detected in NMW-4. The April 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 G.

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 semi-annual groundwater monitoring at the site.

### **TABLES**

Monitor Well	Date Measured	Casing Elevation <sup>2</sup>	Depth to Water <sup>3</sup>	Groundwater Elevation <sup>2</sup>
MW-1	29-Apr-14	4929.78	Well Plugge	d and Abandoned
	1-Oct-13		Dry	NM
	25-Mar-13	4 6	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 28-Jul-05		Dry	NM
	28-Jul-05 22-Apr-04		Dry 9.25	NM (020.52
MW-1R	2-May-14	4932.03	9.06	4920.53
MW-1K MW-2		and the same survey of t		4922.97
IVI VV -2	2-May-14 1-Oct-13	4934.72	11.74	4922.98
	25-Mar-13		11.64	4923.08
	23-Mar-13 22-Aug-12		11.96 11.68	4922.76
	21-Feb-12		12.13	4923.04 4922.59
	26-Dec-06		11.94	4922.59
	25-Sep-06		11.94	4922.78
	17-May-06		11.32	4923.00
	31-Jan-06		12.27	4922.45
	3-Nov-05	1 -	11.45	4923.27
	28-Jul-05	1 -	11.39	4923.33
	22-Apr-04	1 -	11.43	4923.29
MW-3	2-May-14	4932.98	10.00	4922.98
	1-Oct-13		9.80	4923.18
	25-Mar-13	1 1	10.25	4922.73
	22-Aug-12		9.92	4923.06
	21-Feb-12	1 1	10.42	4922.56
	26-Dec-06		10.27	4922.71
	25-Sep-06	1 [	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
MW-4	29-Apr-14	4932.55		and Abandoned
	1-Oct-13			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	4 -	12.94	4919.61
	3-Nov-05	4 -	12.19	4920.36
	28-Jul-05	4 –	12.03	4920.52
NOV IN	22-Apr-04	1000.10	12.07	4920.48
MW-4R	2-May-14	4933.42	10.56	4922.86
MW-5	1-May-14	4931.85		and Abandoned
	1-Oct-13		Dry	NM
	25-Mar-13	┥ ┝	Dry	NM
	22-Aug-12	┥ ┝	Dry	NM
	21-Feb-12	4 –	Dry	NM (020.21
	26-Dec-06		11.54	4920.31
	25-Sep-06 17-May-06		11.15	4920.70
			11.12	4920.73
	31-Jan-06 3-Nov-05	4 -	<u>11.83</u> 11.00	4920.02 4920.85
			11.00	4920.85
	28-Jul-05		10.78	4921.07

Monitor Well	Date Measured	Casing Elevation <sup>2</sup>	Depth to Water <sup>3</sup>	Groundwater Elevation <sup>2</sup>
MW-6	29-Apr-14	4931.51	Plugged	and Abandoned
	1-Oct-13		13.18	4918.33
i.	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
MW-6R	2-May-14	4934.26	11.36	4922.90
MW-10	26-Dec-06	4930.98		
	25-Sep-06			
	17-May-06			
	31-Jan-06	]	1	Plugged
	3-Nov-05			580255
	28-Jul-05	7		
	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	1 1	9.87	4920.32
	21-Feb-12	1 F	10.32	4919.87
	26-Dec-06		11.14	4919.05
	25-Sep-06		10.01	4920.18
	17-May-06	1 1	9.89	4920.30
	31-Jan-06	-1 -	10.45	4919.74
	3-Nov-05	-1 -	9.66	4920.53
	28-Jul-05	-1 -	9.56	4920.63
	22-Apr-04	-1 -	9.60	4920.59
MW-38	2-May-14	4931.87	8.96	4922.91
	1-Oct-13	4929.10	8.85	4923.02
	25-Mar-13		9.15	4922.72
	22-Aug-12	-1 -	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	-1 F	8.90	4922.97
	31-Jan-06	7 F	9.49	4922.38
	3-Nov-05		8.70	4923.17
	28-Jul-05	7 F	8.56	4923.31
	22-Apr-04	- T	8.62	4923.25
BB-2	2-May-14	4934.64	11.81	4922.83
	1-Oct-13	4931.31	11.70	4922.94
	25-Mar-13		12.05	4922.59
	22-Aug-12	-  F	11.69	4922.95
	21-Feb-12	- +	12.24	4922.40
	26-Dec-06	- H	12.04	4922.60
	25-Sep-06		11.72	4922.00
	17-May-06	-   -	11.72	4922.92
	31-Jan-06	- H	12.36	4922.98
	3-Nov-05	- +	11.56	4922.28
	28-Jul-05	- +	11.34	4923.30
	22-Apr-04	- L	10.88	4923.76

Monitor Well	Date Measured	Casing Elevation <sup>2</sup>	Depth to Water <sup>3</sup>	Groundwater Elevation <sup>2</sup>
NMW-1	2-May-14	4932.62	9.55	4923.07
	1-Oct-13	4929.81	9.41	4923.21
	25-Mar-13		9.75	4922.87
	22-Aug-12		9.48	4923.14
	21-Feb-12		9.93	4922.69
	26-Dec-06		9.75	4922.87
	25-Sep-06		9.62	4923.00
	17-May-06		9.53	4923.09
	31-Jan-06		10.70	4921.92
	3-Nov-05		9.31	4923.31
	28-Jul-05		9.22	4923.40
	22-Apr-04		9.24	4923.38
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
NMW-4	30-Apr-14	4929.02	Plugged	and Abandoned
	1-Oct-13	1 1	9.59	4919.43
	25-Mar-13	1 1	9.90	4919.12
	22-Aug-12	1 F	9.59	4919.43
	21-Feb-12	1 -	10.12	4918.90
_	26-Dec-06	1 F	10.94	4918.08
	25-Sep-06	1 F	9.59	4919.43
	17-May-06	1 1	NM	NM
	31-Jan-06	1 -	NM	NM
	3-Nov-05	1 -	NM	NM
	28-Jul-05	1 1	NM	NM
	22-Apr-04	1 -	10.33	4918.69
NMW-4R	2-May-14	4932.53	9,91	4922.62
W-34	1-May-14	4928.70		and Abandoned
11-54	1-Oct-13	- +920.70		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	4920.09
	17-May-06		8.40	4920.19
	31-Jan-06		8.92	4920.30
	3-Nov-05		8.11	4920.59
	28-Jul-05		8.09	4920.61
			7.92	
W-35	22-Apr-04	4021.60	the second se	4920.78
W-33	2-May-14	4931.50 4928.93	8.65	4922.85 Paved Over
	1-Oct-13	- 4928.93	A CONTRACTOR OF	
	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
W-36	2-May-14	4932.00	8.80	4923.20
	1-Oct-13	4929.11	1010/00/00 101	Paved Over
	25-Mar-13		9.01	4922.99
	22-Aug-12	4 4	8.72	4923.28
	21-Feb-12	- L	9.15	4922.85
	26-Dec-06	4 L	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	I [	8.31	4923.69

Monitor Well	Date Measured	Casing Elevation <sup>2</sup>	Depth to Water <sup>3</sup>	Groundwater Elevation <sup>2</sup>			
W-37	1-May-14	4930.10	Plugged and Abandoned				
	1-Oct-13		Well Paved Over				
	25-Mar-13	1 [	9.97	4920.13			
	22-Aug-12	1 [	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	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**	2-May-14	4933.74	10.70	4923.04			
	1-Oct-13	4930.88	10.57	4923.17			
	25-Mar-13		10.90	4922.84			
F	22-Aug-12		10.61	4923.13			
	21-Feb-12		11.09	4922.65			
	26-Dec-06	1 1	10.92	4922.82			
	25-Sep-06	1 [	10.72	4923.02			
	17-May-06		10.64	4923.10			
	31-Jan-06		11.23	4922.51			
	3-Nov-05		10.44	4923.30			
	28-Jul-05	Π Γ	10.33	4923.41			
RNMW-3**	2-May-14	4933.22	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.

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

Vertical Control to NAVD88 Datum in feet above mean sea level

<sup>3</sup> Measured in feet below the top of casing at survey point on north side of well
 \* = Well Destroyed during source area excavation.
 \*\* = Replacement well installed 4/27/05.

NM = not measured.

# TABLE 2. SAMPLE ANALYTICAL REQUIREMENTSATEX #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			
Lead	Soil	EPA 6010	125 mL/4 oz. glass jar	Mercuric Chloride; Cool to < 6°C	6 months			
TPH - Full Range	Soil	EPA 8015B	125 mL/4 oz. glass jar	Mercuric Chloride; Cool to < 6°C	14 days			
BTEX	Soil	EPA 8021B	124 mL/4 oz. glass jar	Mercuric Chloride; Cool to < 6°C	14 days			
NOTES: BTEX - benzene, toluene, ethylbenzene, total xylenes TPH - Total Petroleum Hydrocarbons								

TPH - Total Petroleum Hydrocarbons

EPA = U.S. Environmental Protection Agency VOCs = Volatile Organic Compounds with naphthalenes

	Date		-	Ethyl	Total		10 Sec. 10
Well Number	Sampled	Benzene	Toluene	Benzene	Xylenes	MTBE	Total Naphthalenes
MW-1	29-Apr-14			Plugged	and Abando	ned	
	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	1-May-14	<10	<10	440	260	<10	534
MW-2	1-May-14	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
2000 Contract (1997)	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
	23-Jui-03 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	1-May-14	<1.0	<1.0	3.6	2.4	<1.0	24.6
141 44 -5	1-0ct-13	8.1	2.3	23	2.4	<1.0	178
	26-Mar-13	3.7	1.8	18	21	<1.0	108
	23-Aug-12	6.4	<5.0	18	22	<5.0	60
	21-Feb-12	7.4	<5.0	37	55	<5.0	142
	26-Dec-06	160					25
	25-Sep-06	62	58	220 37	460	530	610
	17-May-06	46	6.5	29	100 55	230 230	180 142
	31-Jan-06	60	<20	83			
	31-Jan-06 3-Nov-05	180	9.7	CREARS	110	500	170
	28-Jul-05	52	<10	58 14	47	920	438
	28-Jui-05 22-Apr-04	100			<10	410	
	Jan-98	2,400	<10 110	25 320	11 370	320 2,200	98 NA
MW-4	And in case of the local division of the loc	2,400	110				INA
IVI VV -4	29-Apr-14				and Abando	onea	
	1-Oct-13	<1.0	<1.0		ll Destroyed	()	(10)
	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

	Date			Ethyl	Total		
Well Number	Sampled	Benzene	Toluene	Benzene	Xylenes	MTBE	Total Naphthalenes
MW-4R	1-May-14	29	<1.0	3.8	<1.5	55	64.6
MW-5	1-May-14				and Abando	and a second	0.110
	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 Abando	oned	
	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	1-May-14	1.6	<1.0	6.6	<1.5	6.2	55.5
MW-29	1-May-14			Plugged	l and Abando	oned	
	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

	Date			Ethyl	Total		
Well Number	Sampled	Benzene	Toluene	Benzene	Xylenes	MTBE	Total Naphthalenes
MW-38	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	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	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	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
NMW-2/RNMW-2	2-May-14	12	<1.0	<1.0	<1.5	72	<4.0
1,111,1, 2/1010111 W-Z	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
	20-Mar-13	54	<1.0	<1.0	<1.5	220	9.6
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	83	9.0 <4.0
	26-Dec-06	47	<1.0	<1.0	<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			
	31-Jan-06 3-Nov-05	74			4.1	560	3.0
			1.1	160	52	590	27.4
	28-Jul-05 23-Apr-04	320 NAPL	11 NAPL	710	120	1300 NADI	39 NADI
	23-Apr-04	INAPL	MAPL	NAPL	NAPL	NAPL	NAPL

	Date			Ethyl	Total	S THE	
Well Number	Sampled	Benzene	Toluene	Benzene	Xylenes	MTBE	Total Naphthalenes
NMW-3/RNMW-3	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 Abando	oned	
	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	1-May-14	8.0	2.6	<1.0	<1.5	11	<4.0
W-34	1-May-14			Plugged	l and Abando	oned	
	1-Oct-13			Wel	1 Paved Over	2	
	25-Mar-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	22-Aug-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	26-Dec-06	NS	NS	NS	NS	NS	NS
	25-Sep-06	<1.0	<1.0	<1.0	<3.0	<1.5	<10.0
	17-May-06	NS	NS	NS	NS	NS	NS
	31-Jan-06	NS	NS	NS	NS	NS	NS
	3-Nov-05	NS	NS	NS	NS	NS	NS
	28-Jul-05	<1.0	<1.0	3.7	1.3	<1.0	<10.0
	6-May-04	<1.0	<1.0	6.7	3.4	<1.0	<10.0
	Jan-98	1.2	ND	7.6	7.2	<2.5	NA

W/ 11 AT 1	Date	D	TT 1	Ethyl	Total	MEDE	
Well Number	Sampled	Benzene	Toluene	Benzene	Xylenes	MTBE	Total Naphthalenes
W-35	2-May-14	<1.0	<1.0	7.5	<1.5	<1.0	124
	1-Oct-13				Paved Over		
	25-Mar-13	<1.0	<1.0	32	<1.5	<1.0	399
	22-Aug-12	<1.0	<1.0	6.9	<1.5	<1.0	55.3
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	26-Dec-06	NS	NS	NS	NS	NS	NS
	25-Sep-06	<1.0	<1.0	12	<3.0	<1.5	188
	17-May-06	NS	NS	NS	NS	NS	NS
	31-Jan-06	NS	NS	NS	NS	NS	NS
	3-Nov-05	NS	NS	NS	NS	NS	NS
	28-Jul-05	<5.0	<5.0	250	42	<5.0	400
	6-May-04	<1.0	<1.0	110	96	<1.0	164
	Jan-98	ND	190	1700	5,600	ND	NA
W-36	2-May-14	<1.0	<1.0	2.4	<1.5	<1.0	12
	1-Oct-13			Well	l 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	l and Abando	oned	
	1-Oct-13			Wel	l Paved Over	r	
	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

# TABLE 3. SUMMARY OF FIELD PARAMETERSATEX # 213, ALBUQUERQUE, NEW MEXICO

NOTES:

<sup>1</sup> 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

			SpC		DO				
Well Number	Date Sampled	pH	(µS/cm)	Temp	(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	1-May-14	7.8	803	19.4	1.55				
MW-2	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	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	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	D	RY - Plugged and	Abandoned Apr	il 2014				
	1-Oct-13 <sup>1</sup>	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	1-May-14	7.93	880	20.0	2.19				
MW-29	1-May-14		Plugged and Al	pandoned May 20					
	1-Oct-13	6.29	1,024	24.9					
	25-Mar-13	6.35	1,231	16.2	1.34				
	23-Aug-12	7.18	1,179	26.3	0.99				
	21-Feb-12	NM	884	16.7	1.82				
MW-38	1-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				

			SpC		DO	
Well Number	Date Sampled	pH	(µS/cm)	Temp	(mg/L)	
BB-2	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	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	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	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	1-May-14	Develope	d at 4 gallons per	minute; ~180 ga	allons removed.	
W-34	1-Oct-13		d Over - Plugged			
	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	2-May-14	7.44	1148	19.5	0.91	
	1-Oct-13	Ι	Paved Over - Well	l uncovered May	y 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	2-May-14	7.39	878	18.8	3.03	
	1-Oct-13	I	Paved Over - Well	uncovered May	y 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	

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

Well Number	Date Sampled	pH	SpC (µS/cm)	Temp	DO (mg/L)			
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			
	ns per liter		recharge g the October 2013	event				
		d in micro sieme	ens per centimeter (	uS/cm)				

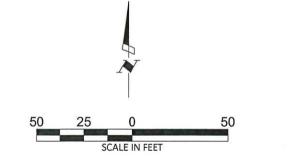
Temp = Temperature in degrees Celsius

-- = meter malfunction, parameter not taken  $\mu$ S/cm = Microsiemens per centimeter

# **FIGURES**



- Caller	LEGEND	):
		MONITORING WELL
	↔ <sup>MW-6</sup> P&A	MONITORING WELL PLUGGED AND ABANDONED
and the second second		
a all a		



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

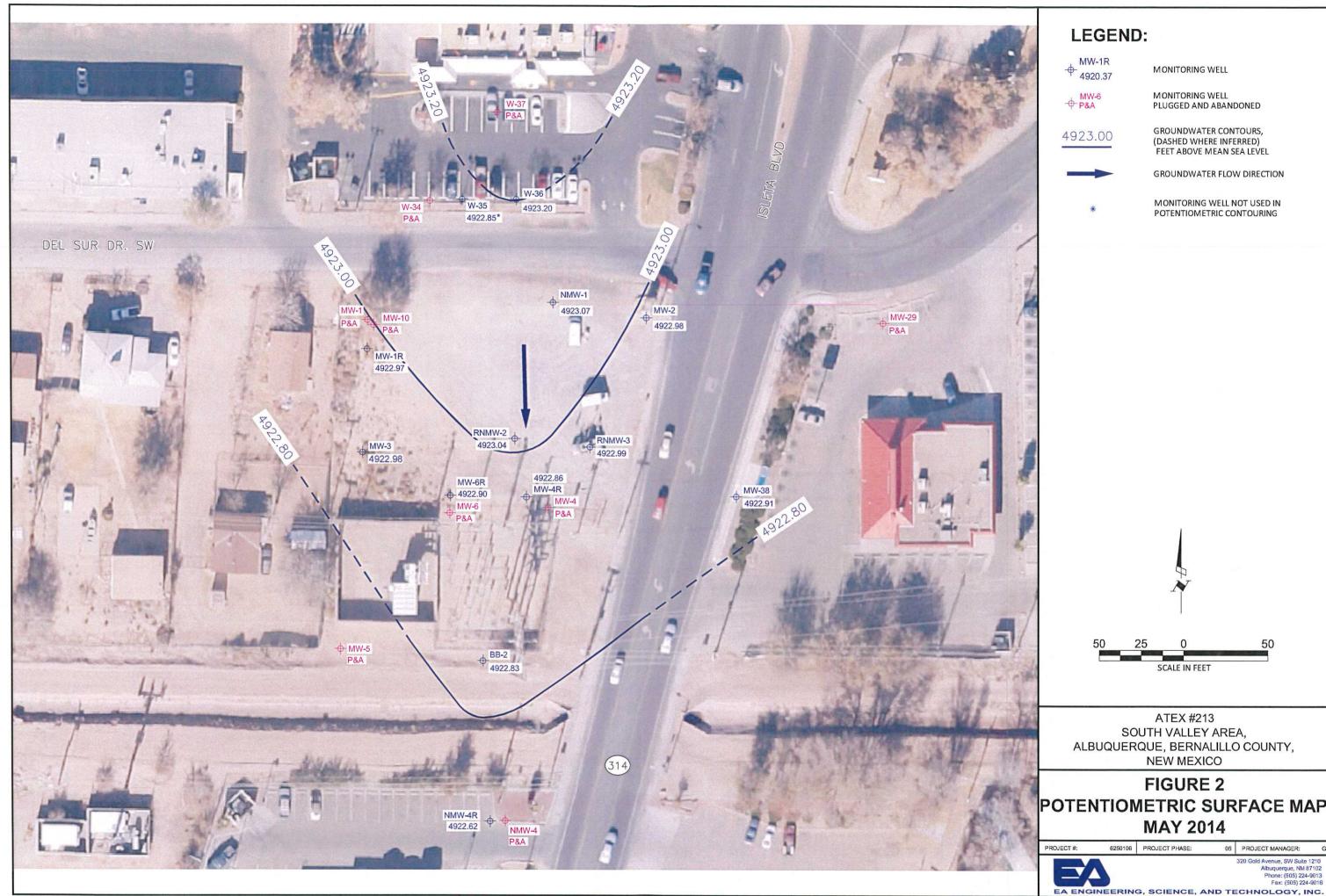
# **FIGURE 1** SITE MAP **MAY 2014**

PROJECT #:

6250106 PROJECT PHASE:

05 PROJECT MANAGER: 320 Gold Avenue, SW Suite 1210 Albuquerque, NM 87102 Phone: (505) 224-9013 Fax: (505) 224-9018 EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

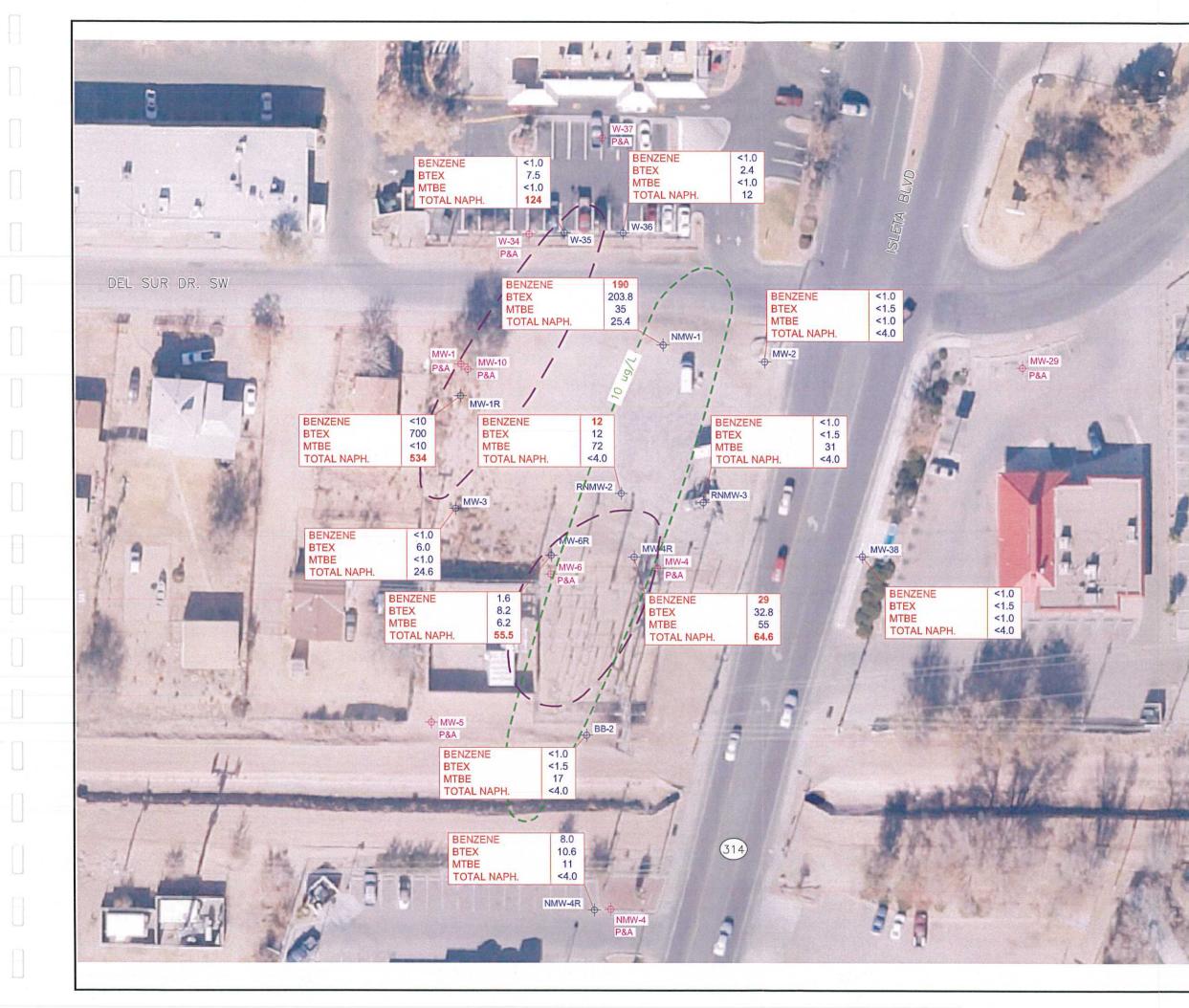
GD



GROUNDWATER FLOW DIRECTION

ALBUQUERQUE, BERNALILLO COUNTY,

POTENTIOMETRIC SURFACE MAP

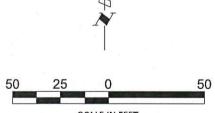


### LEGEND:

MONITORING WELL
MONITORING WELL PLUGGED AND ABANDONED
BENZENE, TOLUENE, ETHYLBENZENE, TOTAL XYLENES
METHYL TERTIARY BUTYL ETHER
TOTAL NAPHTHALENES
ESTIMATED EXTENT OF BENZENE (10 ug/L)
ESTIMATED EXTENT OF TOTAL NAPHTHALENES (30 $ug/L$ )

NOTES:

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



SCALE IN FEET

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

FIGURE 3 CONTAMINANT CONCENTRATION MAP MAY 2014

PROJECT #:

6250106 PROJECT PHASE:

CT PHASE: 0

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

05 PROJECT MANAGER: 320 Gold Avenue, SW Suite 1210

Albuquerque, NM 87102 Phone: (505) 224-9013 Fax: (505) 224-9016

### **APPENDIX** A

### WASTE MANIFEST

4	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM State ID#	2. Page 1 of 1	3. Emergency Response F 1800 ( 762-02		4. Waste Tra 05021	cking Nun 4-02	ber
	5. Generator's Name and Mailir (575) 6 Generator's Phone: 6. Transporter 1 Company Nam	48-2574 NMED PSTB1 5500 San Anto Albuquerque, N		Generator's Site Address ( ATEX 213 3 sol Z Albuquerque	slete		d	-
		Services, 4601 Hondo Pass, Ste.	K. El Paso, TX (915) 866-4	355	1	0.5. 61 A 10 M		A State ID # 494
	7. Transporter 2 Company Nan	ne	NA			U.S. EPA ID N	umber	NA
	8. Designated Facility Name ar (915) 886-435 Facility's Phone:	Rhino's DP-10 1.7 miles N of Hwy 54 Otero	51 Landfarm Facility NM/TX state line OCounty, NM			U.S. EPA ID N	_	ate ID # DP1051
	9. Waste Shipping Nam			10. Contair No.	ners Type	11. Total Quantity	12. Unit WL/Vol.	
GENERATOR		ous Petroleum Contaminated	Seil	575	1	1.105 241350m	CY	
GEN	2.							
	4.							
	14. GENERATOR'S/OFFERO	ns and Additional Information blion Gasoline Impacted R'S CERTIFICATION: I hereby declare the reded, and are in all respects in proper conc	at the contents of this consignment	Stage Lab Rust	ribed above by	the proper ship	ping name,	Cell Q
ł	Generator's/Offeror's Printed/		As Agent for s Generatory (	ignature			~	Month Day Year 05 02 1/4
INT'L	15. International Shipments Transporter Signature (for exp	Import to U.S.	Export from	U.S. Port of en Date leave				
TER	16. Transporter Acknowledgm Transporter 1 Printed/Typed N		S	ignature				Month Day Year
TRANSPORTER	Transporter 2 Printed/Typed	+ errer	Truck# 3771	janiture To	to ev	1/en		Month Day Year
	17. Discrepancy 17a. Discrepancy Indication S	pace Quantity	Туре	Residue Manifest Reference N	lumber	Partial Rej	ection	Full Rejection
FACILITY	17b. Alternate Facility (or Gen Facility's Phone:	erator)				U.S. EPA ID I	Number	
DESIGNATED FACILITY	17c. Signature of Alternate Fa	icility (or Generator)						Month Day Year
		r or Operator: Certification of receipt of ma	terials covered by the manifest exce	pt as noted in tem 17a	1		9. <sub>21</sub>	
V	Printed/Typed Name	Hemon	Valence and the second se	Signature John J	Aler	Men		Month Day Year
16	9-BLS-C 5 11979 (Rev	v. 9/09)			DE	SIGNATE	DFAC	ILITY TO GENERATOR

### **APPENDIX B**

### SOIL BORING LOGS AND WELL CONSTRUCTION DIAGRAMS

### RODINC/WELL CONSTRUCTION LOC

Project	t:			Atex 2	213	Proje	ect Number:	6250106.05		
Drillin	g Com	pany:		Rodge	rs Drill		Time/Date:	1105; 4-29-2014		
	g Rig/I			CME-	75 HSA	, 24" split spoon Com	pletion Time/D			
Driller	:			John T	anner		l Depth:	21 feet		
Boring	/Well 1	D:		MW-1	R		ged By:	T 1 1	of	1
Sample Type	Recovery (in)	Sample Interval	PID Reading (ppmv)	USCS Soil Type	Depth, ft bgs	(soil type, color, densi size, ang	gularity/mine	<b>ption</b> y, plasticity, moisture, grain rology, other)	a	orin nd/o Well etail
gs					1	0-4.0', sand, brown, loose, d	ry		nite	
Cuttings	NA				2				entor	PVC
Ū					3				99	
			0.0	SP	5	4'-6', poorly graded sand, br	own (7.5 YR 5	/3), loose, dry, fine grained,		
	24									
					7					
	14.5	4.5						R 4/1), loose, wet, medium		
-	14.5	14.5 Image: 1470.0 SP								
Split Spoon					11					
it Sp				SW	12	11'-14', Same as above but v a medium to coarse grained	vell graded with	a grain size decreasing to	Sand	
24" Spl					13 14	a medium to coarse gramed	sanu.		S	
	12		292.0	SP	15	14'-19', poorly graded sand,	gray (7.5 YR 5	1), loose, wet, coarse grained		
	12		292.0	51	16	occasional gravel up to 3mm	rains (quartz, plagioclase,			
-					17	feldspars, rock (igneous, sed strong petroleum hydrocarbo		morphic)		
					_ 18 19	strong perioteuni nyurocarot				
	6		26.7	SW	20	19'-21', well graded sand with			1	_
					21	subrounded-subangular gran	ns (as above) 1- 21': Total D	5mm. Faint petroleum odor.		_
						5.5" pointed end cap: ~19.5' 0.010" Slot Screen: 19'-4' 2" Schedule 40 PVC riser: 4 10-20 Silica Sand: 21'-3' Hydrated, Coated Bentonite	-19' '-0.5'			

# EA

### **BORING/WELL CONSTRUCTION LOG**

Project	t:			Atex 2	13		Project Number:	6250106.05			12
Drillin	g Com	bany:		Rodge	rs Drill	ng	Start Time/Date:	1326; 4-30-2014			
	g Rig/E					, 24" split spoon	Completion Time/Date:	1430; 4-30-2014			
Driller		••••••		John T			Final Depth:	21 feet			
	/Well I	D:		MW-4			Logged By:	L. Andress	1	of 1	
ci ing			6				Logged Dy.	L. Alluloss	1		L.
Sample Type	Recovery (in)	Sample Interval	PID Reading (ppmv)	Soil Description (soil type, color, density/consistency, plasticity, moisture, grain size, angularity/minerology, other)							in /o el ai
SS					1	0-4.0', silty sand, red	dish brown (5YR 5/3) loos	e, damp, fine grained		nite	
Cuttings	NA			SM	2					ntor	
Cu					3					PVC	
					4	4'-6' noorly graded a	and brown $(75 \text{ VD} 5/2)$ 1	aasa damp fina mainad		12	
	3		0.0	SP	6	· · · , poorry graded s	and, brown (7.5 YR 5/3), 1	oose, damp, mie gramed			
					7						
					8						
					9		and the second				THE INC.
ų	22		4.9	CL / ML	10	9'-11', silt, sand, and	clay, very dark gray (5YR	3/1), dense,			
pod				IVIL	11 12	Wet at 11 feet.	Petroleum hydrocarbon o	dor at 10.5 feet.		_	
lit S						wet at 11 leet.				Sand	
24" Split Spoon					13 14						
24"	18		2.7	SW	15	14'-16', well graded s	and, dark reddish gray (5Y medium and coarse graine unded grains (quartz, plagi	'R 3/2), loose, wet,			
	10		2.1	51	16	alternating bands of	medium and coarse graine	d sand,			
					17	subangular to subrou	unded grains (quartz, plagi	oclase, feldspars,			
					18 19	and lithics (igneous,	sedimentary, metamorphic	)			
	0.5				20	19'-21', well graded	sand, multi-colored, loose.	wet, fine to coarse grained			
	0.5		NA	SW	21	grains from 1mm up	to 1.5 cm, as above.		2		
					22		21': Total Deptl	1			
					23						
						5.5" pointed end cap 0.010" Slot Screen: 2					
					25 26	2" Schedule 40 PVC					
			••••••		20	10-20 Silica Sand: 21					
					28		entonite Pellets ~3.5'-0.5'				
					29						
			1		30						
					31						
					32 33						
			••••••		33 34						
					35						
					36						
					37						
					38						
					39 40						
					40						
					42						
					43						
					44						
					45				1		

# EA

### ROBING/WELL CONSTRUCTION LOC

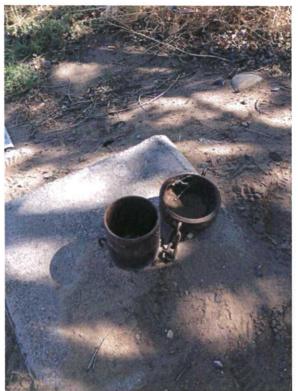
rojec	t:			Atex 2	13	Project Number	r:	6250106.05			
Drillin	g Com	pany:		Rodge	rs Drill	g Start Time/Date	e:	1352; 4-29-2014			
	g Rig/I	Bit:				24" split spoon Completion Tin	ne/Date:	1435; 4-29-2014			
Driller	************			John T		Final Depth:		21.3 feet			
Boring	g/Well ]	D:		MW-6	R	Logged By:		L. Andress	1	of	1
Sample Type	Recovery (in)	Sample Interval	PID Reading (ppmv)	USCS Soil Type	Depth, ft bgs	Soil Des (soil type, color, density/consist size, angularity/n	tency, pla	asticity, moisture,	grain	Bori and We Deta	/o ell
Iger					1	-4.0', silty sand, reddish brown (5YR	5/3) loose,	damp, fine grained,		te	
Hand Auger	NA			SM	2	ccasional gravel				toni	all the state
Han					3		••••••			Bent	
			2.0	SP	5	'-6', poorly graded sand, brown (7.5 Y	R 5/3), loc	ose, dry, fine grained			
	3		2.0	SP	6	vith some medium sized grains					
					7						
					8						
			04.7	CL/	9 10	'-11', silty sand fining downwards to c	lav at 10 f	eet:			
uoc	22		24.7	ML		ilty sand: reddish brown (5YR 4/3), de	ense, mois	t			
Split Spoon					12	ilty sand: reddish brown (5YR 4/3), de lay: dark gray (5YR 4/1), firm, modera nydrocarbon odor, water at 11.5 feet	ately plasti	ic, moist, faint petrol	eum	p	
Splii						hydrocarbon odor, water at 11.5 feet				Sand	
24" 5					14 15	4'-16', well graded sand, multi-colored	d with gray	tint loose wet me	lium		
	18		36.9	SW	16	o coarse grained, grain size 1-3mm, su	ibangular t	o subrounded (quartz	Z,		
					17	lagioclase, feldspars) and lithics (igne					
					18						
					19 20	9'-21', sand, multi-colored, loose, wet,	well grad	ed coarse grained			
	0.5		11.6	SW	21	rains from 1-4 mm, as above.	, wen giuu	ed, coarse gramed,			
					22	21.3': To	tal Depth				
					23						
					24 25	.5" pointed end cap: ~21.5'-21' .010" Slot Screen: 21'-6'					
					25	" Schedule 40 PVC riser: 6'-0.5'					
					27	0-20 Silica Sand: 21'-4.0'					
					28	Iydrated, Coated Bentonite Pellets ~4.	0'-0.5'				
					29 30						
					30 31						
					32						
					33						
					34 35						
					36						
					37						
					38						
					39						
					40						
					42						
					43						
					44						
		oon	CUT = I		45						

### BORING/WELL CONSTRUCTION LOG

rojec	t:			Atex 2	13	Proje	ect Number:	6250106.05		
	g Com			Rodge	rs Drill	ng Start	Time/Date:	0834; 4-30-2014		
Drillin	g Rig/I	Bit:		CME-	75 HSA	, 24" split spoon Com	pletion Time/Da	ate: 1107; 4-30-2014		
Driller	:			John T	anner		Depth:	21 feet		
Boring	/Well 1	D:		NMW	-4R	Logg	ed By:	L. Andress 1	of	1
Sample Type	Recovery (in)	Sample Interval	PID Reading (ppmv)	USCS Soil Type	Depth, ft bgs	(soil type, color, densi		p <b>tion</b> y, plasticity, moisture, grain rology, other)	an V	oring d/or Vell etails
				_		0-0.5', asphalt			ite	
Hand Auger	NA			SM/	2	0.5'-2.5', silty sand with grav	el, reddish brov	vn (5YR 5/4), dry, loose	Bentonite	
	1.111		0.0	SC	3	at 2.5' moist, less gravel, no	cobbles		Bei	PVC
	-				4	at 3' sandy clay, dark reddish	brown (5YR 3)	/3), firm moderately plastic		
	16		0.0	SM	5	4'-6', silty sand, reddish brow	vn (5 Y K 4/3), fr	ioderately dense, moist		
					7					
					8					
				501	9		(5175 1/2)			
u	8	8         0.0         SC / SP         10         9'-10', sandy clay, reddish brown (5YR 4/3), dense, moderately plastic           11         at 10 feet poorly graded sand, reddish brown (5YR 3/3), loose, wet,           12         medium grained, subangular to angular quartz, feldspar, and lithics.								
Split Spoon				51	11	medium grained, subangular	to angular quar	tz feldspar and lithics	p	
olit S					13		te angular quar	2, rerespui, and minos.	Sand	
" Sr					14					
24"	3	0.0 SP 15 14'-16', poorly graded sand, dark gray (5YR 4/1), loose, wet, fine grain					4/1), loose, wet, fine grained, no			
					16					
					17 18					
					19					
	9		0.0	SP	20	19' to 21', same as above				
					21 22		21 3' Total D	enth		
					23		21.3': Total D	epm		
					24	5.5" pointed end cap: ~20.5'	-20'			
					25	0.010" Slot Screen: 20'-5'				
					26	2" Schedule 40 PVC riser: 5	'-0.5'			
					27 28	10-20 Silica Sand: 21'-3.5' Hydrated, Coated Bentonite	Pellets ~3 5'-0 4	5'		
					29	,,				
					30					
					31					
					32 33					
			•••••		33 34					
					35					
					36					
					37					
					38 39					
					39 40					
					41					
					42					
					43					
					44 45					

# APPENDIX C

# **PHOTOGRAPHS**



Photograph No. 1 Well MW-1 pre-abandonment.



Photograph No. 2 Grouting well MW-1. All wells cement grouted from the bottom up with a pump and a tremmie pipe.



Photograph No. 3 Well MW-1 grouted prior to removal of steel casing and concrete pad.



Photograph No. 4 Well MW-1 after removal of steel casing and concrete pad.



Photograph No. 5 Typical surface restoration in soil (well MW-1).



Photograph No. 6 Well MW-1 drill core showing petroleum contamination at groundwater interface.



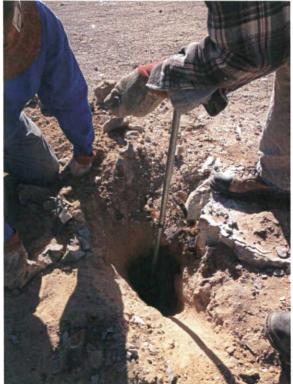
Photograph No. 7 Completed replacement groundwater monitoring well MW-1R.



Photograph No. 8 Well MW-4 with bent steel casing (including location of MW-4R marked with cairn).



Photograph No. 9 Well MW-4 showing well casing was broken off inside steel casing.



Photograph No. 10 Hand augering to find broken PVC well casing on well MW-4 to abandon.



Photograph No. 11 PVC well casing on well MW-4 was located and found to be plugged with native soil. Hole backfilled with cement grout.



Photograph No. 12 Grout cap placed on exposed PVC of well MW-4.



Photograph No. 13 Well vault for replacement well MW-4R with location of abandoned well MW-4 (upper left).



Photograph No. 14 Steel stick up for well MW-5 pre-abandonment.



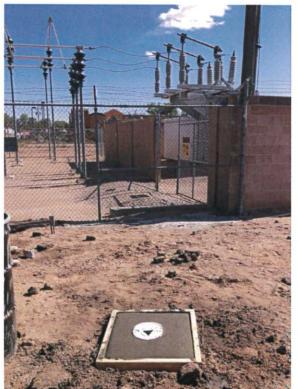
Photograph No. 15 Steel well vault removed and well MW-5 grouted to surface.



Photograph No. 16 Area of well MW-5 post abandonment.



Photograph No. 17 Well MW-6 pre-abandonment.



Photograph No. 18 Replacement well MW-6R with area of well MW-6 post abandonment (middle left).



Photograph No. 19 Well NMW-4 during abandonment and setting well vault for replacement well NMW-4R.



Photograph No. 20 Well NMW-4 grouted to surface and well vault/pad area for replacement well NMW-4R.



Photograph No. 21 Surface restoration for well NMW-4 and surface completion for replacement well NMW-4R.



Photograph No. 22 Well MW-29 pre-abandonment.



Photograph No. 23 Well MW-29 post-abandonment.



Photograph No. 24 Well W-34 pre-abandonment.



Photograph No. 25 Locating Well W-35 under asphalt.



Photograph No. 26 Well W-35 exposed and opened.



Photograph No. 27 Well W-36 partially paved over.



Photograph No. 28 Well W-36 opened.



Photograph No. 29 Well W-37 partially paved over, pre-abandonment.

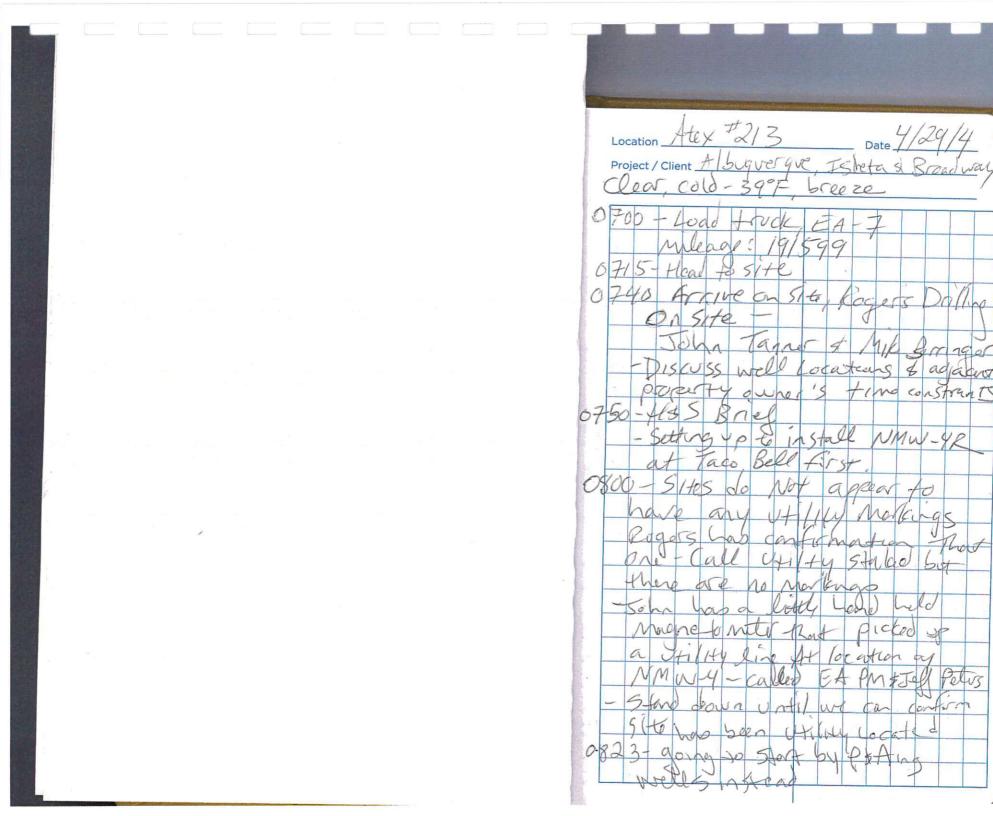


Photograph No. 30 Well W-37 post abandonment.

Page 15 of 15

### **APPENDIX D**

## **FIELD NOTES**



YP

LUS

Location Atex 213 Date 4/29/14 Location Atex 213 Date 4/29/14 7 Project/Client 58" Fiwind Amph NW, Clear Project / Client 50°F Clear, Greezy 10-15 Mph-N - Abandon MW-G. MW-+ Var b drums of petroleun MU vated soil that will be caping inside - Will casing exposed s packed full of sand the. stake through No Like to surface (Win Htt of surface) Left on site - Site 'e 1625. Lette. arand redge Jeff Peters called he canformed 1015 - call No utilites 60010 where we are to drill Cont temano FINISH FREMIE granting 34 Reston SIT well TEVER back to 700 19/6/7 1048--end mileage UPTE 11050 Begin to drill MW-IK -Bump check PiD w/ 100pm = 97.700 Isobutytene 239 - Complete MW-GR. 1315 V 1340 Noticad P Dalles (Unalm quart In this chile - mad them all auger and 4 mare location 000 2 feet to West & Startance choie 1415 Finish setting MW-GR & well

Location tey 213-ABQ Date 4/30/14 Atex 213 ABER Date 4/30/14 Location \_\_\_\_ Project / Client Project / Client 45°F, hazy, wind 18mph E LOAD FUCKEA-7 0635 5 rissing to SALE inster 27.91 were 0645 25 Arrive on Site getice for 0708 SMREEC 0715 Mike Befored John Canpers cobble c \$ tournace month (ROGUS) HES BREF arrive 40 ant. . W/ Taco Bell ane Not Mas the 0720 Chell 12 40 here on NMW 4R Stating to drill ling 0730 Near 1 scated Drillers set up - Toha Cras well Check +0 ~1.5.F \$ hond augered Plache NIL cal where it was yesterday - he lel a sphalt 4 hand auger deept ant SUGAOSTO ISTUERS they Cobbebs - We did not +0 Ro scale by said he wort to would go slow a care a 0809- DISCUSA M bas a pipe of ·at Ten put well in exposed #Sphol-Save Non Con Same impacted Atall concrete not Pro CV+ 0750- Moved hand throught every MUST apt 6 5 ft or se post heli hol 10 auge File Prollers, they P5012 ane monaco NMW-4 Dessileat abardan 0

Location Alex 213 Date 4/30/64 Location Atex 213 \_\_\_\_\_ Date 4/ 30/14 11 10 Project / Client \_ Project / Client Abandonment of NMW-Y tene -1338 Mile Retrins is 2 num for attac 6823 1438 Collect SOIL FDWSAMPLE abouted to fill well varity Begin to care a sphalt for NMW-Y.R. 0834 IDW-A EX - Bump test Pid 4/ loopon 601 6 Fill 601 5B 150 butylen 300 = 98 6 ppm - put sample on ice 8021 en Millen on 1620 vish well van let conplater llen off site 1058 MW-4 Confe NMW -4R 107 VP Seal \$ La 200 - lean -516 1120 asphalt Begin Ge Africa Sci Saw 632-Rodets Wellpoo for WMUL 51-60 1200 - Removing well varlot's well 635 1657 Arrive CA CEEup pad on NMW-4 Milege 19/633 1243 SUL face finished & cordoredoff to marent people 1303 Set of MW-4Rto dill Hand angrang Bo to 4-5. Feet first 1326 Begin They 1336 ran a 50,1 Stopping drilling they go to shop to get Stays & Drills by himself

12 Location Alex 213 Date 5/1/14	Location
Project/Client	Project / Client
0700 Load frok EA-7 0720 Head to SHO, Start Mileage :	1035 Been development of MW-IR - Sauple MW-3 the
191633 - try to Locate Well Lock Keys	not sample all wells clean to dirty Need to
0740 - head to site.	Supruise well development
0805 - Arrive on Site - Roger on Site John Camer, Mile Siringer	and though decon between wells.
- Discuss plan for day ? © 2 Mil abandon ments of MS	110 - grage MW-Z begin Bailing 1130 - MW ARHO - 45 gal Remard
e New well varts/constituing e MCD's e PEA remaining wells	Parameters:
· Will covelapment	Time Temp PH Card Do ec us/cm ng/L 1134 19.4 7.76 813 2.06
- Health & Sufety Shel - Stressed Fraffic Sulty &	1136 19.5 F.TS 803 2.30 1138 19.4 7.80 803 1.55
- awareness in bisy McDonalds parking Lot -> weer safety/03ts	17527 Callect Sande / MW-3/
0950 - Begin Sanding Atalt 88-2	TIRS & MW-6R Agreloped parameters.
- Bungchar catter meter for	The stable etemp pit can DO'SE 1253 20.1 \$7968K1 2.02
Not Sample yet, - Only guaged	1255 <u>DO.O</u> 7.99 8182 2.20 (256) 20-0 7.93 880 2.19

Atex 213 Date 5/1/ <sup>1′</sup> 14 Location Have 213 Date 5/1 15 Location Project / Client . Project / Client MW-6R asphalted wells .com C Found 1313 Remor Tak (DOG IN-3 R MIN 10 100 9000 0 9 ON an capelully 10 0 NIIN-Udent na 0 Strip KAT P D C Jamane D. Meters MIN 0 ()201 C 3-3 (D) - 2] HINE and. benfonite grat 14 wil ing win 04 Mil anos 1404 7.53 2.07 92 9,8 G COVT 20.0 7.68 2.09 MW-4R 915 1406 Loveloping 200 922 20.0 7.69 08 MW-26 2 18 Beal 321 sample Decartaniating PUMP GUSE & stake schele ! Min-Z (jà) Beti 050 ween 1, 200 ann doral INC ail eac 35 wel Level 20 mes Stean 0 lea at ~ - Gurael ba (~) Levelop NMWstell P Bass Te 55 mel ons Zando BB 09 Mongoon 01 MO fill Mik Natch 510-WITTICANE ITY JPM pump Atandonei ruts steel (ascha an Mini MW-5 MW-1R - femored tram 60 gul

16 Location Alux 213 Date 5/1/14 Location ACX ZIS Date 5/1/14 Project / Client Project / Client \_ Not cutting - Mille weeds Balar nd Sustace Johns Lele 1540 John Dave Revelopment MWW-4 0 pump Quit before I Jger parameters San G punced35mine 49pm 0 famind 40 ga W/ ballers =~183,901 to Savelo MW-1600 Maye tak Lange Mu - GR 6.29 take sample Mul-4R 647 take Smplet NMW-4P 17021 the paripment FINISH 730 Hers away PON NO MGO P cupp there i reno Ador ba well C OREA Mc Donalds parking 600 -37 INI 50 well would trip on grated NOONR Hers Need to Finish Ó Surface Restocations & Site dem check on MW-1 & MW-5 almon-1712 ments

Atol 213 \_\_\_\_\_ Date <u>5/2/14</u> Location, Hex 2 Date 5/2 19 18 Location \_\_\_\_ Project / Client Project / Client \_ -4 MIN THOC 0755 16,-> pal MW-3 C MW 08 Sampo 2 SIG soto drums (1) 9 40 10 44 5 lague Tanne Ridges Sohn ~ P Meter 5 coll 7.03 00 Sà P hel Loge Sonela 0820 bandon ment 3 141 TAG R RNMW-Z Restore areas 000 MIN ere as ple RNMW-Sa Ner 0930 Sweep up arand PORESS to Now pandon Rodges AA 29 5 R a nan finished at 35 & W-36 Jac be 5 Seals Site BTOO ave Mensus ments Tak Piloto Petucas to Sheipte 0956 a W Smoleu her wells Com all MW Vesterday: Bto C' 0 .06 O 35 MW MUS-2 IMN. BTOO 10,00 320 MM 7 640C Acres 310 FX 4 61 MW -10,56 66 K MW 5400 BB

20 Location A6/213 Date 372/14 21 Location \_\_\_\_ Date. Project / Client \_\_\_\_ Project / Client (Soil the waiter Dop smiles 1510 all att 1542 21 5 > AL. 0 10 12 σ 1

### **APPENDIX E**

### WELL PLUGGING AND ABANDONMENT REPORT



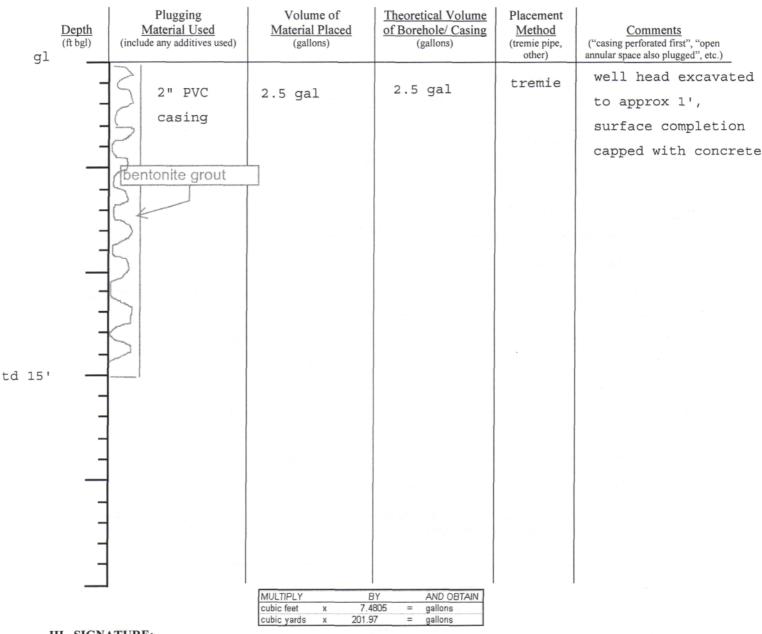


NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

### I. GENERAL / WELL OWNERSHIP:

State E	Engineer Well Number: None; replaced by well drilled under	permit # RG 9463	37	
Well o	wher: Atex c/o Rodgers & Co., Inc.	Phone No.:	505-877-1030	
Mailin	g address: 2615 Isleta BIvd SW			
	Albuquerque State: NM		Zip code: 87105	
II. W	ELL PLUGGING INFORMATION:			
1)	Name of well drilling company that plugged well: Rodgers &	& Co., Inc.		
2)			xpiration Date: 1/31/15	
3)	Well plugging activities were supervised by the following well	driller(s)/rig supervi	sor(s): Jeff Watson	
4)	Date well plugging began:4/29/14 Date w	vell plugging conclu	ded: 5/1/14	
5)	GPS Well Location:       Latitude:       35 deg,         Well MW-1       Longitude:       106 deg,	1 min, 32 40 min, 53	.61 sec .07 sec, WGS 84	
6)	Depth of well confirmed at initiation of plugging as:15	_ ft below ground le	vel (bgl),	
7)	Static water level measured at initiation of plugging:10	_ ft bgl		
8)	Date well plugging plan of operations was approved by the Stat	e Engineer: 5/20/1	4	
9)	Were all plugging activities consistent with an approved plugging differences between the approved plugging plan and the well as	ng plan? yes it was plugged (attac	If not, please describe ch additional pages as needed):	
	and the second	~		

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.



### For each interval plugged, describe within the following columns:

### **III. SIGNATURE:**

I, <u>Jeff Watson</u>, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Dato Signature of Well Driller

May 30, 2014

Date





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

### I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: None; replace	d by well drilled unde		· · · · · · · · · · · · · · · · · · ·
Well owner: Atex c/o Rodgers & Co., Inc		Phone No.: 50	5-877-1030
Mailing address: 2615 Isleta Blvd SW			
City: Albuquerque	State: NM		_ Zip code: 87105
II. WELL PLUGGING INFORMATION:			
1) Name of well drilling company that pl	ugged well: Rodgers	& Co., Inc.	· · · · · · · · · · · · · · · · · · ·
2) New Mexico Well Driller License No.	WD225	Expira	tion Date:1/31/15
3) Well plugging activities were supervis	ed by the following well	l driller(s)/rig supervisor(s	): Jeff Watson
4) Date well plugging began:4	/29/14 Date	well plugging concluded:	5/1/14
5) GPS Well Location: Latitude: Well MW-4 Longitude:	35	1 min, 31.31 40 min, 51.89	_ sec _ sec, WGS 84
6) Depth of well confirmed at initiation of by the following manner:			bgl),
7) Static water level measured at initiatio	n of plugging:	ft bgl	
8) Date well plugging plan of operations	was approved by the Sta	te Engineer: <u>5/20/14</u>	
<ol> <li>Were all plugging activities consistent differences between the approved plug</li> </ol>			
Well was destroyed. Excavated down for	our feet and filled wit	h grout.	
		and the second second	

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

gl	Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
2	-	2" PVC	.65 gal	.65 gal	tremie	This monitor well was already damaged
	_	casing				and partially
4'	-	concret	te plug			filled. The casing
		Lase-cattering and			·	was excavated to a
	-					depth of 4', removed
			a substantia da sa stata			and the hole filled
	-					with concrete.
	-					
	_					
	-					
					sin buck Asso	
	_					
	-				oban, tara an	
	_					
	_					
	-					
			MULTIPLY E	AND OBTAIN		
			cubic feet x 7.4 cubic yards x 201.9			
Ī	II. SIGN	ATURE:				

### For each interval plugged, describe within the following columns:

I, \_\_\_\_\_Jeff Watson \_\_\_\_\_\_, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments Jeff Watson are true to the best of my knowledge and belief.

Watson Signature of Well Driller

May 30, 2014

Date

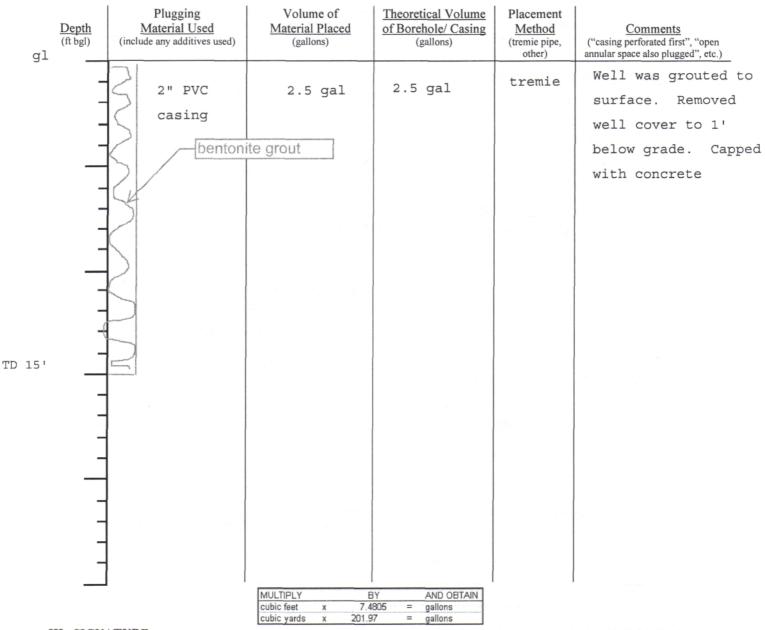




NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

#### I. GENERAL / WELL OWNERSHIP: State Engineer Well Number: None; replaced by well drilled under permit # RG 94637 Phone No.: 505-877-1030 Well owner: Atex c/o Rodgers & Co., Inc. Mailing address: 2615 Isleta Blvd SW City: Albuquerque State: NM Zip code: 87105 **II. WELL PLUGGING INFORMATION:** Name of well drilling company that plugged well: Rodgers & Co., Inc. 1) Expiration Date: 1/31/15 New Mexico Well Driller License No.: WD225 2) 3) 4/29/14 5/1/14 Date well plugging began: \_ Date well plugging concluded: 4) 35 1 30.53 GPS Well Location: 5) Latitude: deg, min, sec Longitude: 106 deg, 40 53.01 sec, WGS 84 min, Well MW-5 15 Depth of well confirmed at initiation of plugging as: \_ \_\_\_ ft below ground level (bgl), 6) by the following manner: well sounder 10 7) Static water level measured at initiation of plugging: ft bgl Date well plugging plan of operations was approved by the State Engineer: 5/20/14 8) yes Were all plugging activities consistent with an approved plugging plan? 9) If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.



### For each interval plugged, describe within the following columns:

### III. SIGNATURE:

I, <u>Jeff Watson</u>, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Drille

May 30, 2014

Date

Version: September 8, 2009 Page 2 of 2



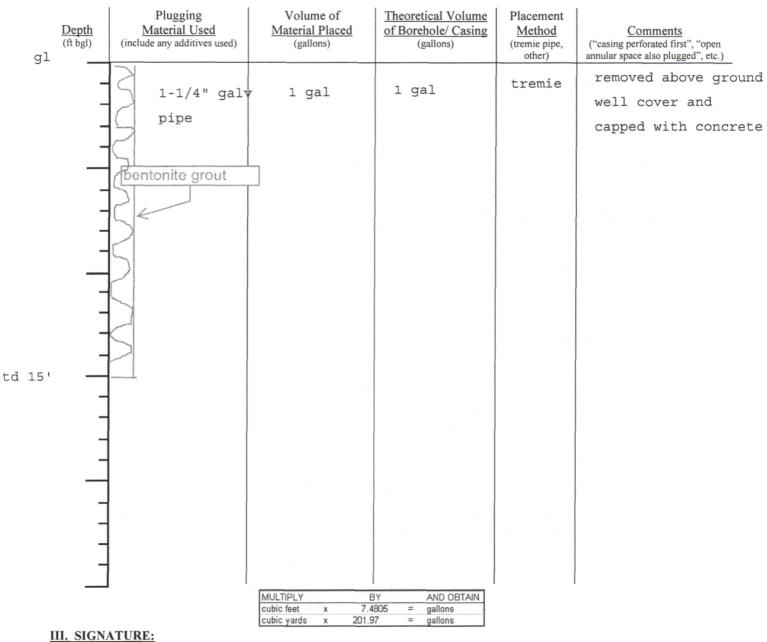


NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

### I. GENERAL / WELL OWNERSHIP:

State En	ngineer Well Number: None; replaced by well drilled under permit # RG 94637	
Well ov	wher: Atex c/o Rodgers & Co., Inc. Phone No.: 505-	877-1030
	address: 2615 Isleta Blvd SW	
	Albuquerque State: NM	Zip code: 87105
II. WE	LL PLUGGING INFORMATION:	
1)	Name of well drilling company that plugged well: Rodgers & Co., Inc.	
2)	New Mexico Well Driller License No.: WD225 Expiration	on Date: 1/31/15
3)	Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):	Jeff Watson
4)	Date well plugging began:4/29/14 Date well plugging concluded:	5/1/14
5)	GPS Well Location:Latitude:35deg,1min,31.32Well MW-6Longitude:106deg,40min,51.89	sec sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as: ft below ground level (bg by the following manner: well sounder	;l),
7)	Static water level measured at initiation of plugging:ft bgl	
8)	Date well plugging plan of operations was approved by the State Engineer: <u>5/20/14</u>	
9)	Were all plugging activities consistent with an approved plugging plan?Yes	If not, please describe itional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.



### For each interval plugged, describe within the following columns:

Jeff Watson \_, say that I am familiar with the rules of the Office of the State I, Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Wate Signature of Well Drille

May 30, 2014

Date



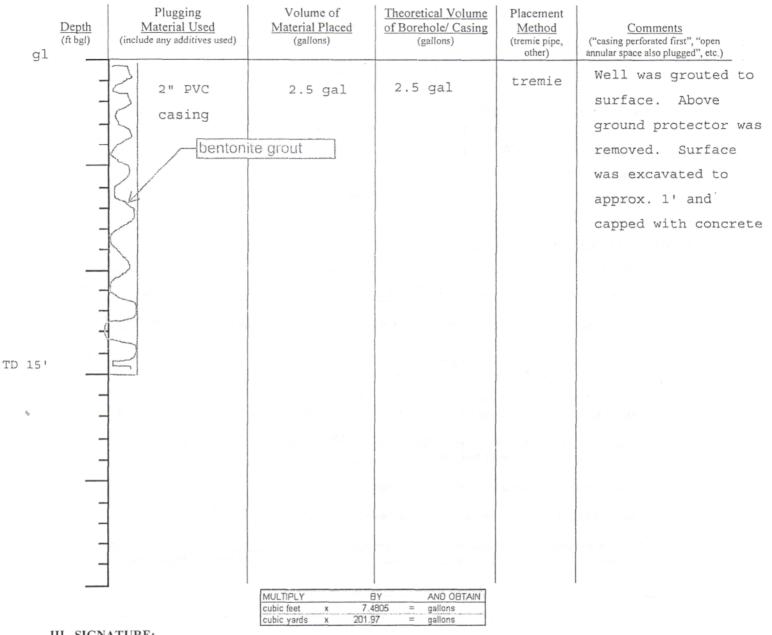


NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

### I. GENERAL / WELL OWNERSHIP:

	ngineer Well Number: None; replaced by well dr	rilled under permit # RG 94637 (re	eported as MW2, actually MW-29)		
		Phone No	Phone No.:005-877-1030		
Mailing	address: 2615 Isleta Blvd SW				
City:	Albuquerque St	tate: NM	Zip code: 87105		
<u>II. WI</u>	LL PLUGGING INFORMATION:				
1)	Name of well drilling company that plugged we	ell: Rodgers & Co., Inc.			
2)	New Mexico Well Driller License No.: WD22		Expiration Date: 1/31/15		
3)	Well plugging activities were supervised by the	following well driller(s)/rig super	visor(s): Jeff Watson		
4)	Date well plugging began: 4/29/14	Date well plugging conc	luded: 5/1/14		
5)	GPS Well Location: Latitude: 35 Well MW-29 Longitude: 106	$\frac{\text{deg,}}{6} \frac{1}{\text{deg,}} \frac{1}{40} \min, \frac{3}{40}$	32.55 sec 19.24 sec, WGS 84		
6)	Depth of well confirmed at initiation of plugging by the following manner: well sounder	g as:15 ft below ground	level (bgl),		
7)	Static water level measured at initiation of plugg	ging:ft bgl			
8)	Date well plugging plan of operations was appro-	oved by the State Engineer: 5/20	/14		
9)	Were all plugging activities consistent with an a differences between the approved plugging plan				
			<u> </u>		
			· · · · · · · · · · · · · · · · · · ·		
		nd: Shorndagi (			
		A A A A A A A A A A A A A A A A A A A			

10)Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.



For each interval plugged, describe within the following columns:

### **III. SIGNATURE:**

Jeff Watson I,

, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Dation Signature of Well Driller

May 30, 2014

Date





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

#### I. GENERAL / WELL OWNERSHIP: State Engineer Well Number: None; replaced by well drilled under permit # RG 94637 Well owner: Atex c/o Rodgers & Co., Inc. Phone No.: 505-877-1030 Mailing address: 2615 Isleta Blvd SW City: Albuquerque State: NM Zip code: 87105 **II. WELL PLUGGING INFORMATION:** Name of well drilling company that plugged well: Rodgers & Co., Inc. 1) Expiration Date: 1/31/15 New Mexico Well Driller License No.: WD225 2) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Jeff Watson 3) 4/29/14 5/1/14 Date well plugging began: \_ Date well plugging concluded: 4) 35 1 29.49 5) GPS Well Location: Latitude: deg, min, sec Longitude: 106 \_deg, 40 min, 51.99 \_ sec, WGS 84 Well NMW-4

6) Depth of well confirmed at initiation of plugging as: \_\_\_\_\_15 \_\_\_\_ ft below ground level (bgl), by the following manner: well sounder

7) Static water level measured at initiation of plugging: \_\_\_\_\_ ft bgl

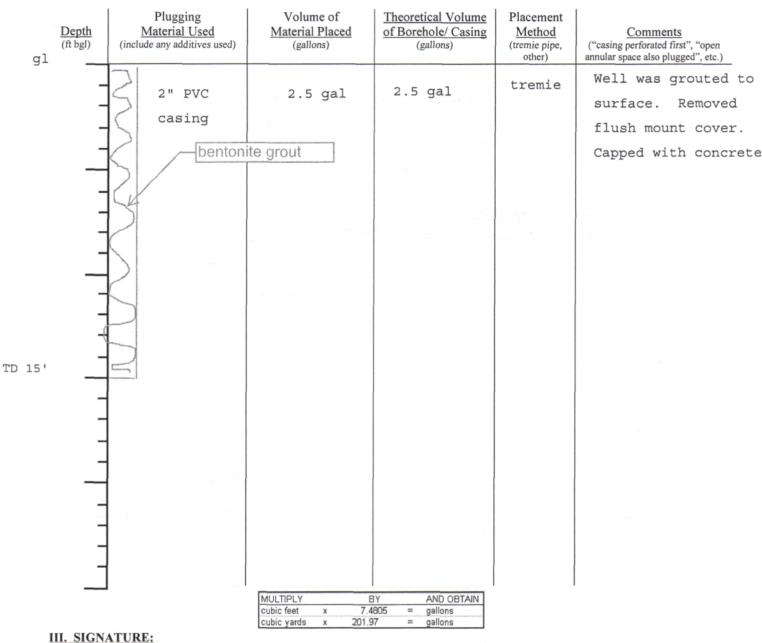
8) Date well plugging plan of operations was approved by the State Engineer: <u>5/20/14</u>

9) Were all plugging activities consistent with an approved plugging plan? <u>Yes</u> If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

#### NMW-4 previously replaced (newly

replaced by RG-94637)

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.



### For each interval plugged, describe within the following columns:

Jeff Watson , say that I am familiar with the rules of the Office of the State I. Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Vatson Signature of Well Driller

May 30, 2014

Date

Version: September 8, 2009 Page 2 of 2



# PLUGGING RECORD

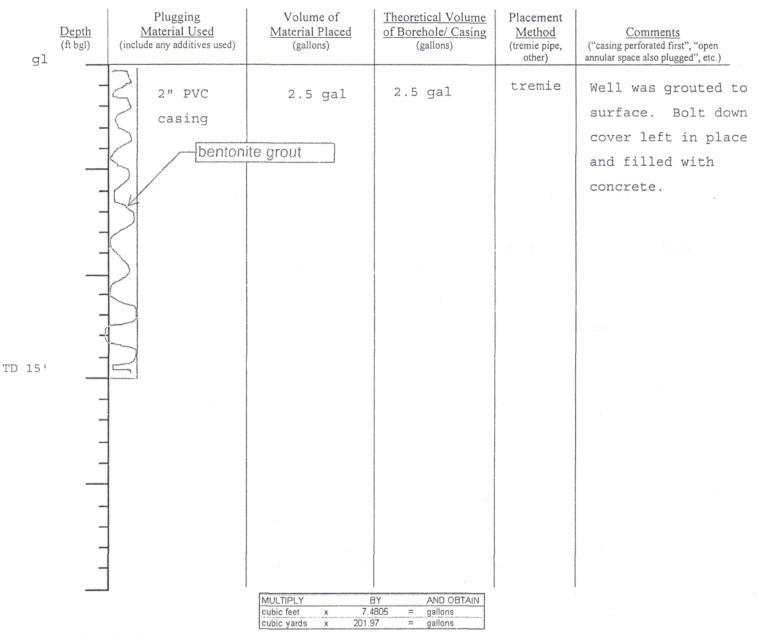


NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

#### I. GENERAL / WELL OWNERSHIP:

State Er	ngineer Well Number: None; replaced by well drilled under permit	t # RG 94637	
	vner: Atex c/o Rodgers & Co., Inc.	Phone No.: 505-8	377-1030
Mailing	address: 2615 Isleta Blvd SW		
	Albuquerque State: NM		Zip code: 87105
<u>II. WE</u>	LL PLUGGING INFORMATION:		
1)	Name of well drilling company that plugged well: Rodgers & Co.,	Inc.	
2)	New Mexico Well Driller License No.: WD225	Expiratio	on Date: 1/31/15
3)	Well plugging activities were supervised by the following well driller(	s)/rig supervisor(s):	Jeff Watson
4)	Date well plugging began:4/29/14 Date well plu	gging concluded:	5/1/14
5)	GPS Well Location:       Latitude:       35       deg,       1         Well MW-34       Longitude:       106       deg,       40		sec sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as: ft bel by the following manner: well sounder	low ground level (bg	l),
7)	Static water level measured at initiation of plugging: ft bg	1	
8)	Date well plugging plan of operations was approved by the State Engin	neer: 5/20/14	
9)	Were all plugging activities consistent with an approved plugging plan differences between the approved plugging plan and the well as it was		

Version: September 8, 2009 Page 1 of 2 10)Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.



For each interval plugged, describe within the following columns:

#### **III. SIGNATURE:**

Jeff Watson

, say that I am familiar with the rules of the Office of the State I, Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

1) abou Signature of Well Driller

June 3, 2014

Date

Version: September 8, 2009 Page 2 of 2



# PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

#### I. GENERAL / WELL OWNERSHIP:

State I	Engineer Well Number: <u>None; repla</u>	ced by well drill	ed under	permi			5	
Well	owner: Atex c/o Rodgers & Co., I	nc.			Phone	No.: 505	-877-103	80
Mailin	ag address: 2615 Isleta Blvd SW							
	Albuquerque	State:	NM				Zip cod	<sub>e:</sub> 87105
2							_ 1	
п. w	ELL PLUGGING INFORMATION	N:						
1)	Name of well drilling company that		Rodgers	& Co.,	Inc.			
2)	New Mexico Well Driller License					Expirat	ion Date:	1/31/15
3)	Well plugging activities were super	rvised by the follo	wing well	driller(	s)/rig su	pervisor(s)	. Jeff Wa	atson
4)	Date well plugging began:	4/29/14	Date	well plu	gging co	oncluded: _	Ę	5/1/14
5)	GPS Well Location: Latitude Well MW-37 Longitu	e: 35 ide: 106	_deg, _deg,	1 40	_ min, _ min,	33.58 52.02	_ sec _ sec, WGS	S 84
6)	Depth of well confirmed at initiation by the following manner: well source	on of plugging as: under	15	ft bel	ow grou	and level (b	ogl),	
7)	Static water level measured at initia	ation of plugging:	10	ft bg	1			
8)	Date well plugging plan of operation	ons was approved	by the Sta	te Engi	neer: 5	/20/14	-	
9)	Were all plugging activities consist differences between the approved p							
					1945			
					AND TO BE		:303	
	State of the second second second	situation and the	Server -				1.000 D EN	
	the last of the state of the second	all of the defense	Real of the				ः व्यक्तां	hila protecjal
		~					1999 (1997) 1997 - 1997 1997 - 1997 - 1997	
		and a chill	0.) 49	Sec.				
		head to southerning						

Version: September 8, 2009 Page 1 of 2

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with 10) horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

gl	<u>Depth</u> (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	<u>Theoretical Volume</u> of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
		2" PVC casing	2.5 gal	2.5 gal	tremie	Well was grouted to surface. Bolt down
		benton	ite grout			cover left in place and filled with concrete.
				1000 - 1000 1880 - 1		
						in and a second s
15'			and and and a second	na paratan Tanàna Alitra dia mandritra dia ma		
	-		1.181 P 57(0)92	n an		8 1574 P - 8 15W
	_		Ng Kolad II Ng Kiti	n di kalender Seneraler Manader		
	-		in the Baghnets	na siolasta S	eles estil Robert ser	
				IY AND OBTAIN 805 = gallons 7 = gallons		

For each interval plugged, describe within the following columns:

#### **III. SIGNATURE:**

TD

I, \_\_\_\_ Jeff Watson

I, \_\_\_\_Jeff Watson \_\_\_\_\_\_, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Watson Signature of Well Driller

June 3, 2014

Date

Version: September 8, 2009 Page 2 of 2

# **APPENDIX F**

### SITE SURVEY

<b>Project Informa</b>	ition	Coordinat	e System
Name: Size:	DEC-EA-Atex213-May8-14.vce 260 KB	Name:	State Plane 1983 (ITRF to NAD83)
Modified:	5/8/2014	Datum:	ITRF to NAD 1983 (2011)
Time zone:	Mountain Daylight Time	Zone:	New Mexico Central 3002
Reference numbe	er:	Geoid:	GEOID09 (Conus)
Description:		Vertical datum:	NAVD88

# **Point List**

ID	Northing (US survey foot)	Easting (US survey foot)	Elevation (US survey foot)	Feature Code
2	1464845.424	1511357.869	4933.738	RNMW-2 TOP PVC NOTCH
3	1464837.565	1511267.331	4933.872	MW-3 TOP STEEL PLATE ON PIPE
4	1464810.892	1511364.815	4933.415	MW-4R TOP N-SIDE PVC
5	1464840.514	1511402.687	4933.218	RNMW-3 TOP PVC NOTCH
<u>6</u>	1464811.757	1511319.423	4934.255	MW-6R TOP N-SIDE PVC
7	1464925.823	1511380.936	4932.616	RNMW-1 TOP PVC NOTCH
8	1464898.232	1511270.112	4932.030	MW-1R TOP N-SIDE PVC
9	1464920.191	1511435.930	4934.866	MW-2 TOP PLATE ON PIPE
10	1464919.349	1511435.805	4934.028	MW-2 GND
11	1464811.313	1511489.824	4931.871	MW-38 TOP N-SIDE PVC
12	1464619.599	1511342.727	4932.534	NMW-4R TOP N-SIDE PVC
13	1464714.230	1511338.674	4934.643	BB-2 TOP PVC AT NOTCH
14	1464986.456	1511359.253	4932.004	W-36 TOP N-SIDE PVC PLATE
<u>15</u>	1464986.442	1511327.040	4931.495	W-35 TOP N-SIDE PVC PLATE
<u>30</u>	1464837.291	1511267.248	4932.838	MW-3 GND
100	1464799.716	1511248.658	4938.034	CIND BLK WALL
101	1464818.922	1511245.181	4932.410	PWR LINE N-S
102	1464827.251	1511244.113	4933.163	CH LNK FNC
103	1464931.043	1511250.981	4931.663	CH LNK FNC
104	1464944.093	1511249.947	4931.585	EOP
105	1464969.564	1511248.705	4931.572	EOP
106	1464935.994	1511251.987	4931.711	CONC
107	1464935.830	1511258.795	4931.825	CONC
108	1464930.886	1511258.656	4931.429	CONC
109	1464931.134	1511251.854	4931.739	CONC
110	1464924.624	1511352.901	4932.912	WATER METER
111	1464941.030	1511394.710	4931.268	EOP

ID	Northing (US survey foot)	Easting (US survey foot)	Elevation (US survey foot)	Feature Code
112	1464970.816	1511395.925	4931.624	EOP
113	1464972.069	1511438.026	4932.261	TOP BK CURB
114	1464972.104	1511454.685	4932.286	TOP BK CURB
115	1464974.331	1511460.036	4932.296	TOP BK CURB
116	1464978.364	1511461.689	4932.251	TOP BK CURB
117	1464937.597	1511427.688	4931.802	TOP BK CURB
<u>118</u>	1464936.606	1511442.102	4932.408	TOP BK CURB
<u>119</u>	1464933.273	1511447.208	4932.291	TOP BK CURB
120	1464926.929	1511449.035	4932.754	TOP BK CURB
121	1464914.964	1511447.049	4932.524	TOP BK CURB
122	1464875.498	1511439.821	4932.740	TOP BK CURB
123	1464841.090	1511433.503	4932.685	TOP BK CURB
124	1464793.100	1511424.147	4932.518	TOP BK CURB
125	1464794.309	1511404.926	4933.088	CH LNK FNC
126	1464790.646	1511396.882	4932.543	PWR POLE 2FT W
127	1464796.340	1511382.126	4933.632	CH LNK FNC OR
128	1464798.003	1511309.038	4932.871	CNDR BLK COR 2FT S
129	1464797.907	1511255.977	4933.113	PWR POLE 2FN W
130	1464979.464	1511260.119	4932.327	PWR POLE 2FT N
131	1464869.280	1511434.563	4932.875	BK WALK
5000	1464832.208	1511273.296	4932.972	NAIL SET

NOTE: Horizontal and Vertical control calibration was created using the National Geodetic Survey's (NGS) Online Positioning User Service (OPUS) on May 8, 2014 with observations at the base point 5000. All work was completed by James A. Botsford, NMPS No. 5211 and Certified Federal Surveyor No. 1516 on May 8, 2014.

### **APPENDIX G**

## HYDROGRAPHS AND CONCENTRATION TRENDS

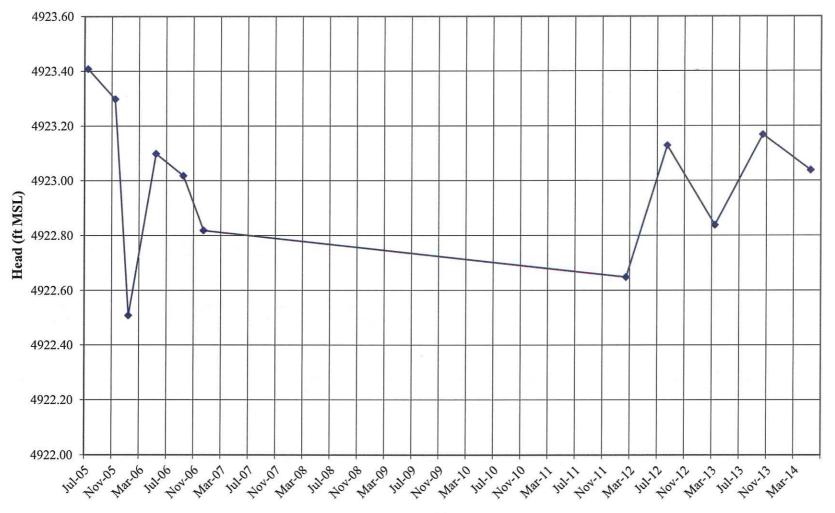
# 4923.40 4923.20 4923.00 4 4922.80 Head (ft MSL) 4922.60 4922.40 1 4922.20 4922.00 4921.80

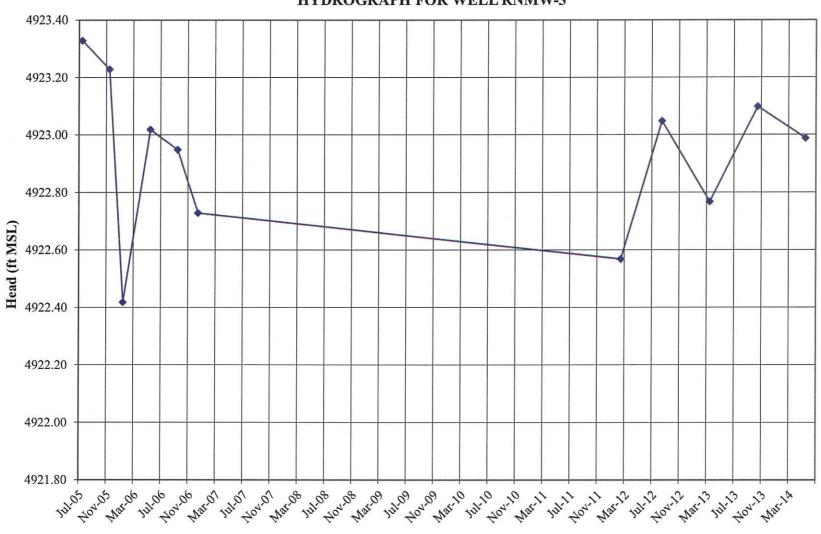
#### **HYDROGRAPH FOR WELL MW-38**

# 4924.00 4923.50 1 4923.00 Head (ft MSL) 4922.50 4922.00 1 4921.50 4921.00

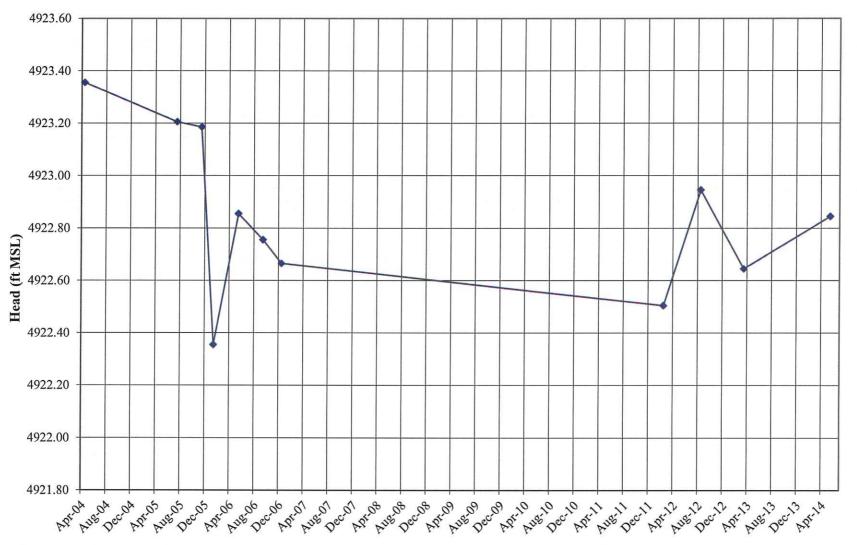
#### **HYDROGRAPH FOR WELL NMW-1**

#### HYDROGRAPH FOR WELL RNMW-2

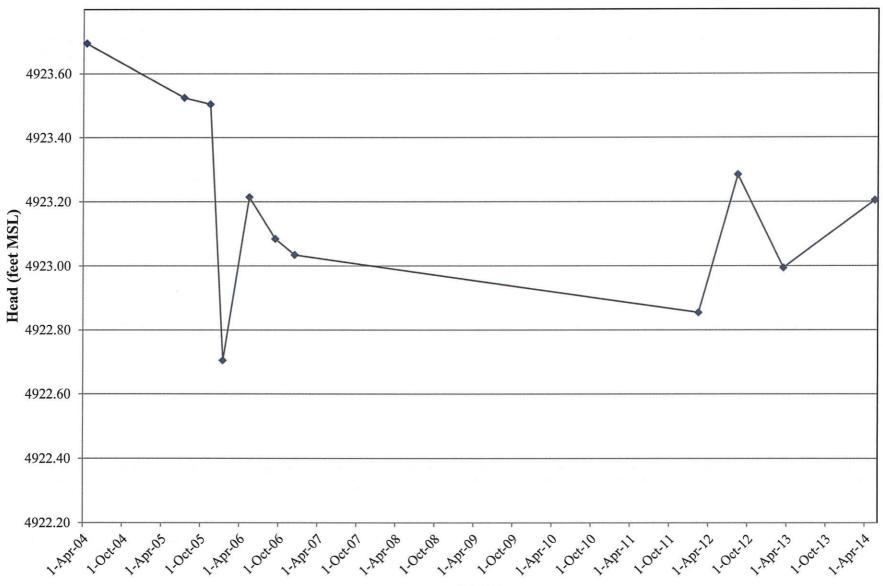




**HYDROGRAPH FOR WELL RNMW-3** 

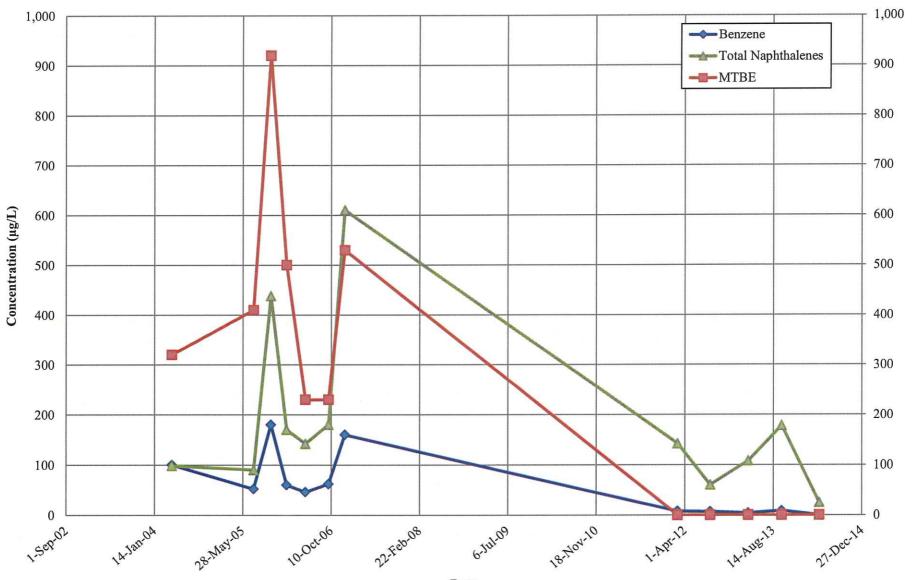


**HYDROGRAPH FOR WELL W-35** 

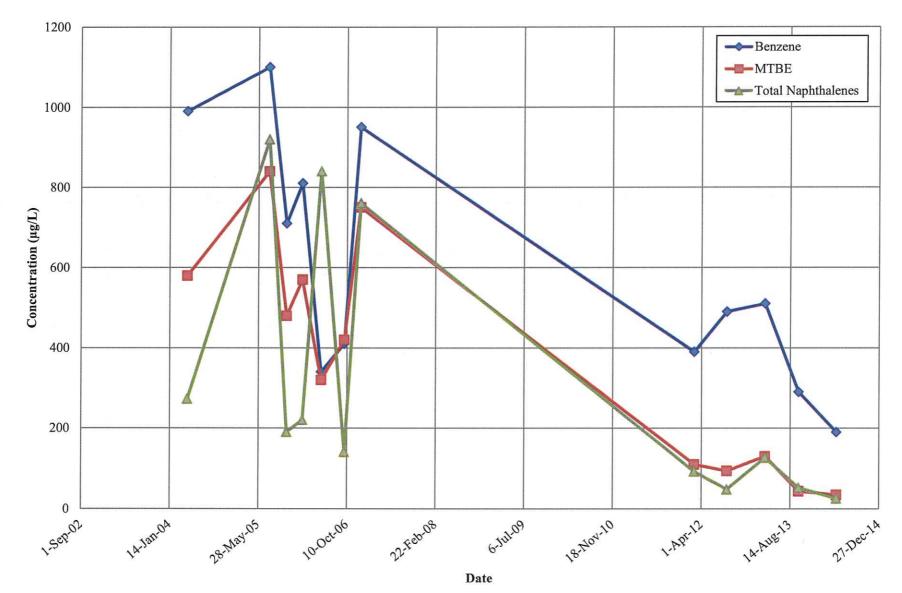


#### **HYDROGRAPH FOR WELL W-36**

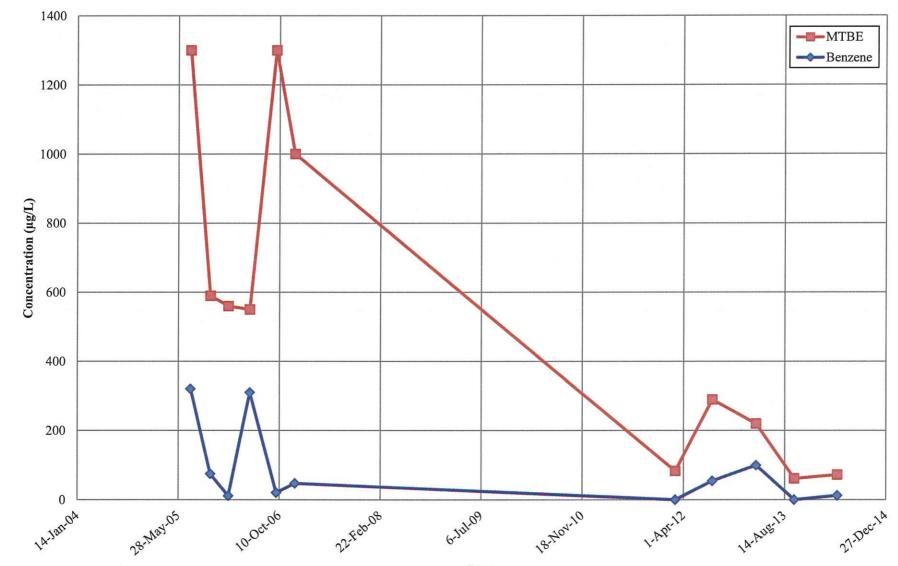
DATE



**CONCENTRATION TRENDS IN MW-3** 

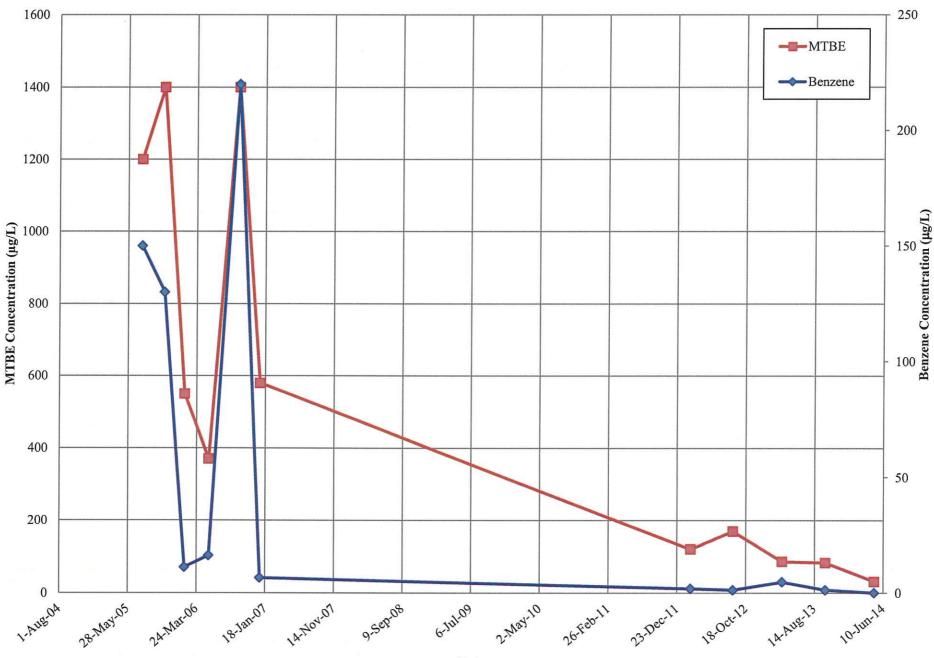


# **CONCENTRATION TRENDS IN NMW-1**



# **CONCENTRATION TRENDS IN RNMW-2**

**CONCENTRATION TRENDS IN RNMW-3** 



# **APPENDIX H**

### **FIELD FORMS**

Well ID Site Depth to PSH Depth to water Total depth	MW-1R Afex 21 Feet 9.04 Feet 18.45 Feet	FLUII Well diameter Height of fluid column Volume in well	D LEVEL DATA Date gauged Time gauged C Inches Feet Gallons	After Depth to PSH Depth to water NAPL thickness NAPL	F	Feet Feet	
NAPL thickness	Feet	(3 well volume	<b>2 -</b>			Gallons	
		(3 wen volume	s = gallons)				
Time/date purged	1035-11		TER SAMPLING DATA	wege bai	lisp	unp @	4 gpm
Time	Purge Volume (gal)	Temp ('C)	SpC (µs/cm)	pН	ORP (mV)	DO (mg/L)	
	+	erelopa	ert after	instal	late	$\sim$	
			See fir	ld NE	63		
				i Alaqu	nagiji - pr		
Actual purge volum	e (0 gal. 5	/////	Field measurements stabilized	within ± 10%?	MA		<sup>n</sup> a
Time/date sampled	600 5/1	14	Purged/sampled by	-ane :	Andre	255	
Sample method	DISPOSA	blo Bar	ler				
Requested analyse		260					
Comments/observa	tions	peta	bern H-C	odar			



Well ID Site Depth to PSH Depth to water Total depth NAPL thickness	MW - 2 $Feet$ $Feet$ $Feet$ $Feet$ $Feet$	Well diameter Height of fluid column Volume in well	D LEVEL DATA Date gauged Time gauged $2^{"}$ Inches $5 \cdot 82$ Feet $6 \cdot 99$ Gallons s = 3, 00 gallons)	Depth to PSH Depth to water NAPL thickness NAPL	
Time/date purged	1332 5/1	1111	TER SAMPLING DATA	Hand I	Bail
Time 1332 1335 1337 1337	Purge Volume (gal) <u>G</u> . 25 <u>(-5</u> <del>2</del> -25 <u>2</u> . 75	Temp ('C) 20 0 [9-3 18-8 86-8	SpC (µs/cm) [008 969 977 981	рн 7.76 7.73 7.63 7.63 7.63	ORP (mV) DO (mg/L)
Actual purge volume	3.25 gal.	(	Field measurements stabilized	within ± 10%? _	Y
Time/date sampled Sample method	Dispisal	114 Le Bo	Purged/sampled by	Lane 7	Andress
Requested analyses	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	5260			
Comments/observati	ons				



## MONITOR WELL SAMPLING FIELD FORM

Well ID Site Depth to PSH Depth to water Total depth NAPL thickness	MW-3 Afex 213 Feet D.O Feet 5. 9 Geet Feet	Well diameter Height of fluid column Volume in well	Date gauged Time gauged $2^{l}$ Inches 5.90 Feet 100 Gallons s = 3.00 gallons)	After Bai Depth to PSH Depth to water NAPL thickness NAPL Recovered	Feet
		( (oralle)	gaions)		
Time/date purged	1124 5/1	INC	TER SAMPLING DATA	handbai	Q
Time 124 124 1128 1145 1145 1147 1148	Purge Volume (gal) 0.25 1.50 2.75 3.25 3-50	Temp (°C) [9] 9 [9] 9 [9] 7 [9] 7	$\frac{\text{SpC (\mu s/cm)}}{1 \text{ GV}}$ $\frac{1 \text{ GV}}{1 \text{ GV}}$ $\frac{10 \text{ VO}}{10 \text{ VO}}$ $\frac{10 \text{ VO}}{10 \text{ VO}}$	рН OF 7-55 7-73 7-70 7-72 7-70 7-70	RP (mV)         DO (mg/L)           -         1.77           -
Actual purge volume	3.75 gal.		Field measurements stabilize	d within ± 10%?	Yes
Time/date sampled	1152	5/1/14	Purged/sampled by	Lane A	ndress
Sample method	Pispo	Sable	bailer		
Requested analyses	826	,0			
Comments/observati	ions <u>Black</u>	flecte	H-C odok	water	

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



Well ID Site 2 Depth to PSH Depth to water 1 Total depth 20 NAPL thickness	Feet	Well diameter Height of fluid column Volume in well	D LEVEL DATA Date gauged Time gauged 2 (/ InchesFeetGallons s =gallons)	Afte Depth to PSH Depth to water NAPL thickness NAPL		Feet Feet Feet	
Time/date purged	3535/1/	111	TER SAMPLING DATA	surgeb	aile &	pump	a Ygpm
Time	Purge Volume (gal)	Temp ('C)	SpC (µs/cm)	pH	ORP (mV)	L I DO (mg/L)	
	$\sum$					*	
		Deve	logo by				
		Lin	lapad by				
			> Pall	els			
				~		······	
						j	
						<u></u>	
Actual purge volume	o o gal.		Field measurements stabilized v	vithin ± 10%?			
Time/date sampled	12 5/1/1	14	Purged/sampled by	-ane >	Andre	SS	
Sample method	Despos	able ?	Ball		ago (1997) (1997	**************************************	
Requested analyses	18	260					
Comments/observations							



## MONITOR WELL SAMPLING FIELD FORM

		FLU	ID LEVEL DATA		I		50 1
Well ID	MW-lek	_	Date gauged	5/1/	1/4		
Site	Atex 213	3	Time gauged	620			ē
Depth to PSH		Well diameter	2 <sup>1</sup> Inches	After	Bailing NAP	L	
				Depth to PSH		Feet	
Depth to water	Feet	Height of fluid column	Feet	Depth to water		Feet	
Total depth	20. AFreet	Volume in well	Gallons	NAPL thickness		Feet	
NAPL thickness	Feet			NAPL		Gallons	
		(3 well volume	es = gallons)	·			
		GROUNDW	ATER SAMPLING DATA				н н <sub>а</sub>
Time/date purged	52 5/1	161	Purge Method	surge bi	il \$	CUMP	. C. Ygpn
Time	Purge Volume (gal)	Temp ('C)	SpC (µs/cm)	рН	ORP (mV)		
		Sevel	ophent bi				
Actual purge volume	_کgal.	,	Field measurements stabilized	within ± 10%?			• 3
Time/date sampled	1629 5/1	/14	Purged/sampled by	ane ;	Andr	ess	
Sample method	Pisp	sale	bailer				
Requested analyses	/	8268					£
Comments/observation							6
		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -					15 •

,



1.1

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

### MONITOR WELL SAMPLING FIELD FORM

Weil ID       L       Image auged       Image auged         Site       After & Al.3       Time gauged       If (2)         Depth to PSH        Feet       Weil diameter       2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Depth to PSH      Feet       Well diameter $2^{1/}$ Inches         Depth to vater $9^{1/2}$ Feet       Height of fluid column $2.99$ Feet       Depth to PSH      Feet         Total depth $11.93$ Feet       Volume in well $0.50$ Gallons       NAPL thickness      Feet         NAPL thickness      Feet       Volume in well $0.50$ Gallons       NAPL thickness      Feet         NAPL thickness      Feet       Volume in well $0.50$ Gallons       NAPL thickness      Feet         NAPL thickness      Feet       Volume in well $0.50$ Gallons       NAPL thickness      Feet         NAPL thickness      Feet       Volume in well $0.50$ Gallons       NAPL thickness      Feet         NAPL thickness
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Total depth $11.93$ Feet       Volume in well $0.50$ Gallons       NAPL thickness       Feet         NAPL thickness
NAPL thickness       Feet       NAPL         (3 well volumes = $1.52$ gallons)       Gallons         GROUNDWATER SAMPLING DATA         Time/date purged $511/11$ Purge Method $MapL$ Time       Purge Volume (gal)       Temp (°C)       SpC (µs/cm)       pH       ORP (mV)       DO (mg/L) $1/30$ $0.25$ $20.0$ $966$ $7.58$ $-1.53$ $1/356$ $2.25$ $19.0$ $984'$ $7.57$ $-1.53$ $1/356$ $2.25$ $19.0$ $984'$ $7.57$ $-1.53$ $1/358$ SmpLad $-1.53$ $-1.53$ $-1.53$ $1/385$ $302.5$ $19.0$ $984'$ $-5.57$ $-1.53$ $1/385$ $302.5$ $19.0$ $984'$ $-1.53$ $-1.53$ $1/385$ $302.5$ $19.0$ $984'$ $-1.53$ $-1.53$ $1/385$ $302.5$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1/385$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-$
NAPL thickness       Feet       Recovered       Gallons         GROUNDWATER SAMPLING DATA         Time/date purged $\int 1.52 gallons)$ GROUNDWATER SAMPLING DATA         Time/date purged $\int 1/1 V$ Purge Method $Max O Mail         Time       Purge Volume (gal)       Temp (°C)       SpC (µs/cm)       pH       ORP (mV)       DO (mg/L)         1/3.20       0.25       20.0       966       7-58       -       1.53         1/3.36       2-25       19-0       984       7-59       -       1.53         1/3.38       3.25       19-0       984       -       -       1.53         1/3.38       3.25       19-0       984       -       -       -         1/3.38       3.25       19-0       984       -       -       -         1/3.38       3.49       -       -       -       -       -         1/3.38       3.49       -       -       -       -       -       -         1/3.38       3.49       -       -       -       -       -       -       -         1/3.38       3.49       -       -$
$(3 \text{ well volumes} = \underbrace{1.5 }_{\text{gallons}}$ $(3  \text{well volumes} = \underbrace{1.5 }_{\text{gallons}}$ $(4         $
Time/date purged $54/11$ Purge Method $MOUD Gail L$ Time       Purge Volume (gal)       Temp (°C)       SpC (µs/cm)       pH       ORP (mV)       DO (mg/L) $11/30$ $0.25$ $20.0$ $966$ $7.58$ $-1.53$ $11/33$ $1-25$ $19.0$ $984$ $7.58$ $-1.53$ $11/36$ $2-25$ $19.0$ $984$ $7.57$ $-1.53$ $11/38$ $5.064$ $7.58$ $-1.53$ $-1.53$ $11/38$ $5.064$ $7.57$ $-1.53$ $-1.53$ $11/38$ $5.064$ $-2.5$ $19.0$ $984$ $-5.57$ $11/38$ $5.064$ $-2.5$ $-1.53$ $-1.53$ $11/38$ $5.064$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $11/38$ $5.064$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.53$ $-1.55$ $-1.55$
TimePurge Volume (gal)Temp (°C)SpC (µs/cm)pHORP (mV)DO (mg/L) $1 \sqrt{30}$ $0.75$ $20.0$ $966$ $7.58$ $ 1.53$ $1 \sqrt{3.3}$ $1-25$ $19.0$ $977$ $7.58$ $ 1.53$ $1\sqrt{3.6}$ $2.25$ $19.0$ $984$ $7.57$ $ 1.53$ $1\sqrt{3.52}$ $3.25$ $19.0$ $9.84$ $   1\sqrt{3.52}$ $3.25$ $19.0$ $    1\sqrt{3.52}$ $3.25$ $19.0$ $    1\sqrt{3.52}$ $3.25$ $19.0$ $    1\sqrt{3.52}$ $3.25$ $1.0$ $    1\sqrt{3.52}$ $3.25$ $1.0$ $   -$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$   \begin{array}{c cccccccccccccccccccccccccccccccccc$
Actual purge volume $\frac{2.50}{\text{gal.}}$ gal. Field measurements stabilized within ± 10%?
Time/date sampled 1438 5/1/14 Purged/sampled by Lane Andress
Sample method Disposable Bailer
Requested analyses 82.60
Comments/observations

 Well Casing Volumes

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



Well ID Site Depth to PSH Depth to water Total depth NAPL thickness	Feet	Well diameter Height of fluid column Volume in well	D LEVEL DATA Date gauged Time gauged $2^{1/}$ Inches 2.55 Feet 0.13 Gallons s = 1.30 gallons)	Depth to PSH _ Depth to water _ NAPL thickness _ NAPL	HAPL Bailing NAPL Feet Feet Feet Gallons						
Time/date purged	510 570	GROUNDWA	TER SAMPLING DATA	han	J. Sail						
Time (,5)     5 ( 3   5   4	Purge Volume (gal) 0.25 1.60 1-25	Temp ('C) 18.8 17-9 17-7	SpC (µs/cm) A 5 5 A 4 7 G 4 5 I	рн 7.7.7 7.78 7.77	ORP (mV) DO (mg/L)						
Actual purge volume       1.5       gal.       Field measurements stabilized within ± 10%?         Time/date sampled       1515       5/1/14       Purged/sampled by       Lane       Andress         Sample method       Digo Salle       Bailer         Requested analyses       8260         Comments/observations											



#### MONITOR WELL SAMPLING FIELD FORM

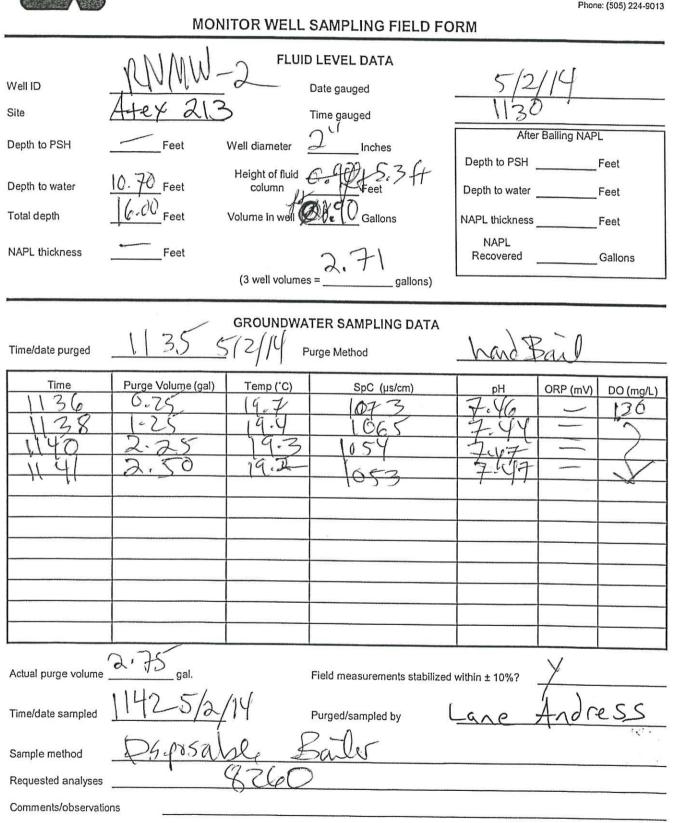
Well ID Site Depth to PSH Depth to water Total depth NAPL thickness	FLUI Feet Well diameter Feet Well diameter Feet Column Feet Volume in well Feet (3 well volume		Depth to PSH _ Depth to water _	A Sector
Time/date purged	- Flairi	ATER SAMPLING DATA Purge Method	Ha	Jbail
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Volume (gal) Temp ('C) 25 14.3 25 14.3 -25 14.7 -25 14.7 -25 14.7	SpC (µs/cm) 1173 1168 1177 1173 1175	рн 7.53 7.27 7.29	ORP (mV) DO (mg/k)
Actual purge volume <u>2+</u> Time/date sampled 1252	gal. 5/2/(Y	Field measurements stabilized Purged/sampled by	within ± 10%?	Y Andress
Sample method Requested analyses Comments/observations	Szco Szco	Purgeorsampled by Saules RetColesm of	-une	
	12"			~

 Well Casing Volumes

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

----







1,1

Well ID Site Depth to PSH Depth to water Total depth NAPL thickness	0.23 Feet	3	, 95 Gallons	Depth to PSH Depth to water NAPL thickness NAPL	Bailing NAPL Feet Feet Feet Gallons						
Time/date purged	5/2/	11	TER SAMPLING DATA	hand 5	Bail						
Time 1206 1207 1209 1209	Purge Volume (gal) 0-25 [-25 2-25 2.75 	Temp ('C) (9-8 19-6 19-6 19-7	SpC (µs/cm) [130 1103 [042 [009]	рн 7.50 7.48 7.53 7.53	ORP (mV) DO (mg/L)						
Actual purge volume       3.0       gal.       Field measurements stabilized within ± 10%?         Time/date sampled H2091       5/2/14       Purged/sampled by       Lane       And ress         Sample method       D(Sp8 Same Back       Back       Requested analyses       8260         Comments/observations       Put/kum Hicodod       Hicodod											



Well ID Site Depth to PSH Depth to water Total depth NAPL thickness	$\frac{NMW}{4+e} \frac{4}{21}$ $\frac{1}{2}$ Feet $\frac{9.91}{4}$ Feet $\frac{9.97}{2}$ Feet $\frac{9.77}{2}$ Feet	Well diameter Height of fluid column Volume in well	D LEVEL DATA Date gauged Time gauged L ( Inches Feet Gallons S = gallons)	Depth to PSH Depth to water NAPL thickness NAPL		Feet Feet Feet	
Time/date purged	5/1/1	GROUNDWA	TER SAMPLING DATA	surge ha	. 0 z	pupp	Yam
Time	Purge Volume (gal)	Temp ('C)	SpC (µs/cm)	рН	ORP (mV)	<u>, 1</u>	0(- ` ]
			relognent Dill	by es			
Actual purge volume Time/date sampled Sample method Requested analyses	1702 5/1/1 Dispa	y sable 826	Field measurements stabilized Purged/sampled by Babba	within ± 10%? へで	Andr	ess	
Comments/observa	ions						



\*

	$\frac{W-35}{A+e \times 213}$ $\frac{Feet}{3.65}$ Feet $\frac{7}{3.67}$ Feet	Well diameter Height of fluid column	LEVEL DATA Date gauged Time gauged Inches	After Depth to PSH Depth to water	I	Feet Feet				
NAPL thickness	Feet	- (3 well volumes		NAPL Recovered						
Time/date purged	1315 5/	2141	TER SAMPLING DATA	<del>[</del> ]	and F	sail				
Time 136 139 1320 (32-1	Purge Volume (gal) 0.25 1.75 2.25 2.75	Temp (°C) 20-0 19-5 19-6 195	SpC (µs/cm) 1(87 1(97 1137 1137	рн 7.38 7.43 7.43 7.42 7.42	ORP (mV)	DO (mg/L) 0.91				
Actual purge volume <u>30</u> gal. Field measurements stabilized within ± 10%? <u>Y</u> Time/date sampled 13255/2/14 Purged/sampled by Lane Andress										
Sample method Requested analyses Comments/observatio	D(S	16260	= Bailer slight pot	poleum f	1-6 0	dav				
Total depth         NAPL thickness         Time/date purged         Time         136         1370 <t< td=""><td><math display="block">\frac{3.67}{\text{Feet}}</math> <math display="block"></math></td><td>column <math>=</math> Volume in well <math>0</math> (3 well volumes GROUNDWAT 2/// PL Temp (*C) 20-0 19-5 19-6 19-5</td><td><math display="block">\frac{85}{\text{Gallons}}</math> <math display="block">= \frac{2.56}{\text{gallons}}</math> TER SAMPLING DATA urge Method <math display="block">\frac{\text{SpC (µs/cm)}}{1(87)}</math> <math display="block">1(87)</math> <math display="block">1(77)</math> <math display="block">1(77)</math></td><td>NAPL thickness NAPL Recovered <math>\mathcal{H}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math> <math>\mathcal{P}</math></td><td>ORP (mV)</td><td>Feet Gallons</td></t<>	$\frac{3.67}{\text{Feet}}$ $$	column $=$ Volume in well $0$ (3 well volumes GROUNDWAT 2/// PL Temp (*C) 20-0 19-5 19-6 19-5	$\frac{85}{\text{Gallons}}$ $= \frac{2.56}{\text{gallons}}$ TER SAMPLING DATA urge Method $\frac{\text{SpC (µs/cm)}}{1(87)}$ $1(87)$ $1(77)$	NAPL thickness NAPL Recovered $\mathcal{H}$ $\mathcal{P}$	ORP (mV)	Feet Gallons				



### MONITOR WELL SAMPLING FIELD FORM

	. [ .	$\sim$ (	FLU	ID LEVEL DATA				
Well ID	W-	36		Date gauged		14		
Site	Atex	213	3	Time gauged	1056	t		
Depth to PSH	F	eet	Well diameter	211 Inches		r Bailing NAP	L	
	N (7)				Depth to PSH		Feet	
Depth to water	0.0F	eet	Height of fluid column	7.15 Feet	Depth to water		Feet	
Total depth	<u>Alg</u> F	eet	Volume in well	() . 54 Gallons	NAPL thickness	Feet		
NAPL thickness		eet			NAPL		<u> </u>	
	·	001	(3 well volum	es = <u>[ ( ( ( )</u> gallons)	Recovered		Gallons	
				galons)			American	
		<b>C</b> 1		ATER SAMPLING DATA	2.1	> 0		
Time/date purged	1050	1 51	2/14	Purge Method	handbe	nil		
Time	Purge Vo	lume (gal)	Temp (°C)					
1105	-	ZS	(9.4	SpC (µs/cm)	PH 7.23	ORP (mV)	DO (mg/L)	
106	1.0	0 Ó	18.9	RFP	7.35		~	
110 F	1.5	50 18	18-8	280	7.37	<u> </u>		
109	1 1-	1.)	10.8	870	7-34			
				-				
5 07 W 8					-			
Actual purge volume	1/ 1/	_gal. \ \		Field measurements stabilized	within ± 10%?			
Time/date sampled 1944 5/2/14 Purged/sampled by Lane Andress								
	T	JKM	Sald.	Bailor		<u></u>		
Sample method	<u>لــ</u>	repo	and	from				
Requested analyses		4	260					
Comments/observati	ons		aux f	petroleum t	1-C oda	N	······	
				,				

 Well Casing Volumes

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

Client FA Enginet Standard       Rush         Mailing Address:	Chain-of-C	Turn-Around	Time:*							1								
320       Gold O Avr. Ste 1200       Project Name: Atex 213       www.hallenvironmental.com         Mailing Address:       Abox 213       Atex 213       Atex 213       4tex 213         Phone #: 505 7221 - 9013       Project Manager: OAACC Package: Standard       Devel 4 (Full Validation)       Atex 215       Fax 505 345-4107         Accreditation       Devel 4 (Full Validation)       Gary       Desselle       (100 gr	Client:	Standard 🗆 Rush			[											a consideration of the state		
Mailing Address:       Ade x A13       Ade x A13       440 + A13         Project.H;***       Project.H;***       Ade x A13       4901 Hawkins NE - Albuquerque, NM 87109         Phone #; 5 0 5 2 2 4 - 9013       Project.H;***       Fax#: 5 5 2 2 4 - 9016       Project.H;***       Fax#: 5 5 2 2 4 - 9016         Phone #; 5 0 5 2 2 4 - 9016       Project.H;***       Project.H;***       Project.H;***       Fax#: 5 5 2 2 4 - 9016         OACC Package:       Standard       Level 4 (Full Validation)       Gar y Level 4       Gar y Level 4       Gar y Level 4         NELAP       Other       Date       Sample Temperature: 5       No       Gar y Level 4       Gar y Level 4         Date       Time       Matrix       Sample Request ID       Container       Preservative       Project.H + 40 / 12 / 12 / 12 / 12 / 12 / 12 / 12 / 1	30 11														<b>NA</b>	IOR	<b>• •</b>	
Priore ## 505 224 - 9013         Tel. 505-345-3107         Analysis Request         Container         Sample: Lance Andress         Container         Container         Type         Barbolic Manager:         Astandard         Level 4 (Full Validation)         Container         No         Container         Container         Type         Bample Temperature: 5         Container         Type         Container         Type         Total Ares 23 HEXMIN NUCL         Are full validation         Container         Type         Total Ares 23 HEXMIN NUCL         Type         Total Ares 23 HEXMIN NUCL         Are full validation         Total Ares 23 HEXMIN NUCL		Atex	212	>														
Phone #: \$05 727 - 9013       Analysis Request         email or Fax#: \$05 727 - 9014       Project Manager:       Analysis Request         QAQC Package:       GM Disselle       If the second secon	A-	Project #: Pott																
OA/OC Package:	Phone #: 505-2	12145-2.0					er. 50	JJ-54	5-397			21-19 2415 OF	Strategy and a state	Contraction of the state				
OA/OC Package:	email or Fax#: 505	Project Mana	iger:			ly)	0					14.4						
Dolly     H38     Sil     IDW-Alex 213     HIDWIN       /14     1552     Aq     MW-1R     BUOA     Hallz       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1526     MW-2     Alex 213     HIDWIN     Alex 213       /14     166     MW-2     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1629     MW-38     Alex 213     HIDWIN     Alex 213       /14     1005     B6-2     Alex 214     HIDWIN     Alex 214       /14     130     ROMW-2     Alex 214     HIDWIN     Alex 214       /14     1658     MMW-3     Alex 214     HIDWIN       /14     1658     MMW-4     Alex 214     HIDWIN       /14     1658     MMW-4     Alex 214     HIDWIN	QA/QC Package:				alle	8021	as on	/ MR		101	2	04,SO	CB's					
Dolly     H38     Sil     IDW-Alex 213     HIDWIN       /14     1552     Aq     MW-1R     BUOA     Hallz       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1526     MW-2     Alex 213     HIDWIN     Alex 213       /14     166     MW-2     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1629     MW-38     Alex 213     HIDWIN     Alex 213       /14     1005     B6-2     Alex 214     HIDWIN     Alex 214       /14     130     ROMW-2     Alex 214     HIDWIN     Alex 214       /14     1658     MMW-3     Alex 214     HIDWIN       /14     1658     MMW-4     Alex 214     HIDWIN       /14     1658     MMW-4     Alex 214     HIDWIN		Level 4 (Full Validation)				S	(0) F	DRO	_	VIU		2,P(	32 P			0		
Dolly     H38     Sil     IDW-Alex 213     HIDWIN       /14     1552     Aq     MW-1R     BUOA     Hallz       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1526     MW-2     Alex 213     HIDWIN     Alex 213       /14     166     MW-2     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1629     MW-38     Alex 213     HIDWIN     Alex 213       /14     1005     B6-2     Alex 214     HIDWIN     Alex 214       /14     130     ROMW-2     Alex 214     HIDWIN     Alex 214       /14     1658     MMW-3     Alex 214     HIDWIN       /14     1658     MMW-4     Alex 214     HIDWIN       /14     1658     MMW-4     Alex 214     HIDWIN		ier	the second se			TM	TP	0/[	8.1)	4.1)	į ,	3,NO	/ 808		0	100		Î
Dolly     H38     Sil     IDW-Alex 213     HIDWIN       /14     1552     Aq     MW-1R     BUOA     Hallz       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1526     MW-2     Alex 213     HIDWIN     Alex 213       /14     166     MW-2     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1629     MW-38     Alex 213     HIDWIN     Alex 213       /14     1005     B6-2     Alex 214     HIDWIN     Alex 214       /14     130     ROMW-2     Alex 214     HIDWIN     Alex 214       /14     1658     MMW-3     Alex 214     HIDWIN       /14     1658     MMW-4     Alex 214     HIDWIN       /14     1658     MMW-4     Alex 214     HIDWIN	EDD (Type)		and the second se			- H	н Н Н Н Н	(GR	d 41	d 50	als	NO.	des		VOA	AC		Yor
Dolly     H38     Sil     IDW-Alex 213     HIDWIN       /14     1552     Aq     MW-1R     BUOA     Hallz       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1552     Aq     MW-2     Alex 213     HIDWIN       /14     1526     MW-2     Alex 213     HIDWIN     Alex 213       /14     166     MW-2     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1638     MW4R     Alex 213     HIDWIN     Alex 213       /14     1629     MW-38     Alex 213     HIDWIN     Alex 213       /14     1005     B6-2     Alex 214     HIDWIN     Alex 214       /14     130     ROMW-2     Alex 214     HIDWIN     Alex 214       /14     1658     MMW-3     Alex 214     HIDWIN       /14     1658     MMW-4     Alex 214     HIDWIN       /14     1658     MMW-4     Alex 214     HIDWIN	Date Time Matrix	Sample Request ID	The second s	and the second se	HEAL No.	+	BTEX + MTE	TPH 8015B	TPH (Metho	EUB (Metho PAH's (831)	RCRA 8 Met	Anions (F,CI	8081 Pestici	8260B (VOA	3270 (Semi-)	Lead EP		
1/H     1552     Aq     MW-1R     3040A     Ha612       1/H     1326     MW-2     MW-3     Image: Constraint of the second of the seco	Do/14 1438 5011	IDW-Atex 213	4, = Dec(9)	NONE	Contraction of the	X		×		1	17					×		
1/14     116     MW-3       1/14     1638     MW4R       1/14     1638     MW4R       1/14     1638     MW-6R       1/14     1639     MW-6R       1/14     1639     MW-38       1/14     1005     36-2       1/14     1005     36-2       1/14     1005     36-2       1/14     1005     36-2       1/14     1202     RNMW-2       1/14     1202     RNMW-3       1/14     1636     NMW-4       1/14     1636     NMW-4       1/14     1636     NMW-4       1/14     1636     NMW-4	114 1552 Ag		BUNA	Hable	and share the stranger			A	KX	0	1.		7	X		1		
Image: Marchard Marcha	MIN 1326 (0	MW-2	CALC.	- Of all		1970 A		2	J	fint		A.		7				
Image: Marchard Marcha	11/14/116	MW. 3	. (	(					X			dia and		5				
1/14     1620     MW-6R       1/14     1905     186-2       1/14     1005     186-2       1/14     1005     186-2       1/14     1005     186-2       1/14     1202     1000       1/14     1202     1000       1/14     1202     1000       1/14     1202     1000       1/14     1202     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000       1/14     1628     1000	1/11 138	and a state of the	(	/					1					1				
I/IH     IH24     MW-38       I/IH     1005     36-2       I/IH     1234     NMW-1       I/IH     1202       I/IH     1202       I/IH     1202       I/IH     1656       I/IH     1656       Image: Time:     Relinquished by:       Received by:     Pate       Time     Remarks:	1/14 1629	and the second	1	No.	and the second						1.0.0			1				
114     1234     NMW-1       2/14     130     RNMW-2       2/14     130     RNMW-2       2/14     1202     RNMW-3       2/14     1202     RNMW-3       2/14     1658     NMW-4       24     NMW-4     N       24     Received by:     Pate       Time:     Relinquished by:     Received by:	1114 1424	And some there is and a sub-transformer and the second second second second second second second second second					ANK.							1				
2/14         130         RNMW-2         Image: Constraint of the state o	1/14 1005	36-2		1.								11.28		1				
4/14         1202         RNMW-3         Image: Constraint of the state	2/14 1234	NMW-1		(			1							1				
IM     Ib58     NMW-4       Date:     Time:     Relinquished by:         Pate     Time         Received by:     Pate         Date:     Time	2/14 1130	RNMW-2		1			2.56							1				
Date: Time: Relinquished by: Received by: Date Time Remarks:	2/14 1202	RNMW-3					200			1				1				-
Incilians.			V.	V								. (parter)		1,		100 (C)		
44 DB AN A COMMENT IN IN 2		ed by:	Received by:	V	Date Time	Rem	arks	:	1.5		1		-	1				
Date: Time: Relinquished by: Date Time	Date: Time: Relinquish	ed by:	Received by:	A > 1	25/2/4/15/45 Date Time	***			1	07	E	2-					¥-	No.
						*				1						£		

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.

Client: EA Engineering 320 Gold Ave Ste 1210 Mailing Address: ABQ NM 87102			Project #:	d <u>Rust</u> e: X 2/3	;	HALL ENVIRONME ANALYSIS LABOR www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request							RAT						
QA/QC Package: Standard  Level 4 (Full Validation) Accreditation NELAP  Other			Project Mana	ager: Dess Lanc A		MTBE + TMB's (8021)	+ MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	od 418.1)	SIMS)		3,NO2,PO4,SO4)	8082 PCB's		(Semi-VOA)			i (Y or N)	
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + M	BTEX + M	TPH 8015	TPH (Method 418.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,0	8081 Pesticides /	8260B (VOA)	8270 (Sem			Air Bubbles (Y or N)
2/14 (2/14	1310	Aq	W-35 W-36	(3) VOA 11	HgClz- 11										X				
	I																		
<u>/2//</u> ate://	1515	Relinquished	And	Received by: Received by:	+ 0	Date Time 5 02 24 1515 Date Time	Rem	arks:						- 4	2	.0-	12	+	

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 I**

## LABORATORY REPORTS

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

May 14, 2014

Gary Desselle EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, NM 87102 TEL: (505) 224-9013 FAX

OrderNo.: 1405097

RE: Atex 213

Dear Gary Desselle:

Hall Environmental Analysis Laboratory received 15 sample(s) on 5/2/2014 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Date Reported: 5/14/2014

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Atex 213

**Project:** 

Client Sample ID: IDW-Atez 213 Collection Date: 4/30/2014 2:38:00 PM Received Date: 5/2/2014 3:15:00 PM

Lab ID: 1405097-001	Matrix:	SOIL	Received	Received Date: 5/2/2014 3:15:00 PM				
Analyses	Result	RL (	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analys	: BCN		
Diesel Range Organics (DRO)	21	10	mg/Kg	1	5/6/2014 11:06:42 AM	12995		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/6/2014 11:06:42 AM	12995		
Surr: DNOP	107	57.9-140	%REC	1	5/6/2014 11:06:42 AM	12995		
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB		
Gasoline Range Organics (GRO)	51	9.8	mg/Kg	2	5/8/2014 12:36:06 AM	12999		
Surr: BFB	140	74.5-129	S %REC	2	5/8/2014 12:36:06 AM	12999		
EPA METHOD 8021B: VOLATILES					Analys	t: NSB		
Methyl tert-butyl ether (MTBE)	ND	0.20	mg/Kg	2	5/8/2014 12:36:06 AM	12999		
Benzene	0.12	0.098	mg/Kg	2	5/8/2014 12:36:06 AM	12999		
Toluene	ND	0.098	mg/Kg	2	5/8/2014 12:36:06 AM	12999		
Ethylbenzene	0.31	0.098	mg/Kg	2	5/8/2014 12:36:06 AM	12999		
Xylenes, Total	0.30	0.20	mg/Kg	2	5/8/2014 12:36:06 AM	12999		
Surr: 4-Bromofluorobenzene	117	80-120	%REC	2	5/8/2014 12:36:06 AM	12999		
EPA METHOD 6010B: SOIL METALS					Analys	t: ELS		
Lead	1.9	0.25	mg/Kg	1	5/13/2014 10:29:56 AM	1 13099		

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

Н

\* 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
  - Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 1 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

CLIENT: EA Engineering Project: Atex 213

1405097-002

Lab ID:

Client Sample ID: MW-1R Collection Date: 5/1/2014 4:00:00 PM

Received Date: 5/2/2014 3:15:00 PM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: KJH
Benzene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Toluene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Ethylbenzene	440	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Methyl tert-butyl ether (MTBE)	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,2,4-Trimethylbenzene	340	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,3,5-Trimethylbenzene	95	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,2-Dichloroethane (EDC)	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,2-Dibromoethane (EDB)	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Naphthalene	290	20	µg/L	10	5/7/2014 8:58:20 PM	R18468
1-Methylnaphthalene	84	40	µg/L	10	5/7/2014 8:58:20 PM	R18468
2-Methylnaphthalene	160	40	µg/L	10	5/7/2014 8:58:20 PM	R18468
Acetone	ND	100	µg/L	10	5/7/2014 8:58:20 PM	R18468
Bromobenzene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Bromodichloromethane	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Bromoform	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Bromomethane	ND	30	µg/L	10	5/7/2014 8:58:20 PM	R18468
2-Butanone	ND	100	µg/L	10	5/7/2014 8:58:20 PM	R18468
Carbon disulfide	ND	100	µg/L	10	5/7/2014 8:58:20 PM	R18468
Carbon Tetrachloride	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Chlorobenzene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Chloroethane	ND	20	µg/L	10	5/7/2014 8:58:20 PM	R18468
Chloroform	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Chloromethane	ND	30	µg/L	10	5/7/2014 8:58:20 PM	R18468
2-Chlorotoluene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
4-Chlorotoluene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
cis-1,2-DCE	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
cis-1,3-Dichloropropene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,2-Dibromo-3-chloropropane	ND	20	µg/L	10	5/7/2014 8:58:20 PM	R18468
Dibromochloromethane	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Dibromomethane	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,2-Dichlorobenzene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,3-Dichlorobenzene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,4-Dichlorobenzene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
Dichlorodifluoromethane	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,1-Dichloroethane	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,1-Dichloroethene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,2-Dichloropropane	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
1,3-Dichloropropane	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468
2,2-Dichloropropane	ND	20	µg/L	10	5/7/2014 8:58:20 PM	R18468

Matrix: AQUEOUS

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 Page 2 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

fian Environmental Analysis Laboratory, Inc.					Date Reported: 5/14/2014			
CLIENT: EA Engineering		(	Client Sam	ple ID: MW	V-1R			
Project: Atex 213			Collection	n Date: 5/1/	2014 4:00:00 PM			
Lab ID: 1405097-002	Matrix:	AQUEOUS			2014 3:15:00 PM			
	Tractina.	NQULUUD	Received	u Date. 5/2/	2014 5.15.00 1 101			
Analyses	Result	RL Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 8260B: VOLATILES					Analys	st: KJH		
1,1-Dichloropropene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
Hexachlorobutadiene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
2-Hexanone	ND	100	µg/L	10	5/7/2014 8:58:20 PM	R18468		
Isopropylbenzene	79	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
4-Isopropyltoluene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
4-Methyl-2-pentanone	ND	100	µg/L	10	5/7/2014 8:58:20 PM	R18468		
Methylene Chloride	ND	30	µg/L	10	5/7/2014 8:58:20 PM	R18468		
n-Butylbenzene	77	30	µg/L	10	5/7/2014 8:58:20 PM	R18468		
n-Propylbenzene	260	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
sec-Butylbenzene	27	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
Styrene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
tert-Butylbenzene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
1,1,1,2-Tetrachloroethane	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
1,1,2,2-Tetrachloroethane	ND	20	µg/L	10	5/7/2014 8:58:20 PM	R18468		
Tetrachloroethene (PCE)	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
trans-1,2-DCE	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
trans-1,3-Dichloropropene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
1,2,3-Trichlorobenzene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
1,2,4-Trichlorobenzene	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
1,1,1-Trichloroethane	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
1,1,2-Trichloroethane	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
Trichloroethene (TCE)	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
Trichlorofluoromethane	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
1,2,3-Trichloropropane	ND	20	µg/L	10	5/7/2014 8:58:20 PM	R18468		
Vinyl chloride	ND	10	µg/L	10	5/7/2014 8:58:20 PM	R18468		
Xylenes, Total	260	15	µg/L	10	5/7/2014 8:58:20 PM	R18468		
Surr: 1,2-Dichloroethane-d4	90.3	70-130	%REC	10	5/7/2014 8:58:20 PM	R18468		
Surr: 4-Bromofluorobenzene	92.4	70-130	%REC	10	5/7/2014 8:58:20 PM	R18468		
Surr: Dibromofluoromethane	92.3	70-130	%REC	10	5/7/2014 8:58:20 PM	R18468		
Surr: Toluene-d8	91.8	70-130	%REC	10	5/7/2014 8:58:20 PM	R18468		

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
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
  - Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 3 of 36
- Р Sample pH greater than 2.

Н

RL **Reporting Detection Limit** 

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

		Contraction of the local division of the loc		And in case of the local division of the loc			
CLIENT: EA Engineering			Client Samp	le ID: M	W-2		
Project: Atex 213	<b>Collection Date:</b> 5/1/2014 1:46:00 PM						
Lab ID: 1405097-003	Matrix: AQUEOUS Received Date: 5/2/2014 3:15:00						
Analyses	Result	RL Qua	l Units	DF	Date Analyzed	Batch	
EPA METHOD 8260B: VOLATILES					Analys	t: KJH	
Benzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468	
Toluene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846	
Ethylbenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468	
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468	
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468	
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846	
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846	
1.2 Dibromoothens (EDD)	ND	4.0					

, , ,						
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Naphthalene	ND	2.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1-Methylnaphthalene	ND	4.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
2-Methylnaphthalene	ND	4.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Acetone	ND	10	µg/L	1	5/7/2014 9:26:26 PM	R18468
Bromobenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Bromodichloromethane	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Bromoform	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Bromomethane	ND	3.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
2-Butanone	ND	10	µg/L	1	5/7/2014 9:26:26 PM	R18468
Carbon disulfide	ND	10	µg/L	1	5/7/2014 9:26:26 PM	R18468
Carbon Tetrachloride	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Chlorobenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Chloroethane	ND	2.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Chloroform	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Chloromethane	ND	3.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
2-Chlorotoluene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
4-Chlorotoluene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
cis-1,2-DCE	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Dibromochloromethane	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Dibromomethane	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1,2-Dichlorobenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1,3-Dichlorobenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1,4-Dichlorobenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
Dichlorodifluoromethane	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1,1-Dichloroethane	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1,1-Dichloroethene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1,2-Dichloropropane	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
1,3-Dichloropropane	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R18468
2,2-Dichloropropane	ND	2.0	µg/L	1	5/7/2014 9:26:26 PM	R18468

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 Page 4 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

<b>CLIENT:</b> EA Engineering		C	lient Samp	le ID: M	W-2	
Project: Atex 213			Collection	Date: 5/1	/2014 1:46:00 PM	
Lab ID: 1405097-003	Matrix: A	QUEOUS			2/2014 3:15:00 PM	
Analyses	Result	RL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: KJH
1,1-Dichloropropene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
Hexachlorobutadiene	ND	1.0	μg/L	1	5/7/2014 9:26:26 PM	R1846
2-Hexanone	ND	10	μg/L	1	5/7/2014 9:26:26 PM	R1846
Isopropylbenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
4-Isopropyltoluene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
4-Methyl-2-pentanone	ND	10	µg/L	1	5/7/2014 9:26:26 PM	R1846
Methylene Chloride	ND	3.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
n-Butylbenzene	ND	3.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
n-Propylbenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
sec-Butylbenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
Styrene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
tert-Butylbenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
trans-1,2-DCE	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
Trichlorofluoromethane	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
Vinyl chloride	ND	1.0	µg/L	1	5/7/2014 9:26:26 PM	R1846
Xylenes, Total	ND	1.5	µg/L	1	5/7/2014 9:26:26 PM	R1846
Surr: 1,2-Dichloroethane-d4	90.2	70-130	%REC	1	5/7/2014 9:26:26 PM	R1846
Surr: 4-Bromofluorobenzene	91.1	70-130	%REC	1	5/7/2014 9:26:26 PM	R1846
Surr: Dibromofluoromethane	94.9	70-130	%REC	1	5/7/2014 9:26:26 PM	R1846
Surr: Toluene-d8	89.1	70-130	%REC	1	5/7/2014 9:26:26 PM	R1846

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
  - Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 5 of 36
- P Sample pH greater than 2.

Н

RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

Analyses	Result	RL Qual	Units	DF Date Analyzed	Batch
Lab ID: 1405097-004	Matrix: A	AQUEOUS	Received	Date: 5/2/2014 3:15:00 PM	
Project: Atex 213			Collection	Date: 5/1/2014 11:52:00 AM	
<b>CLIENT:</b> EA Engineering		C	lient Samp	le ID: MW-3	

Banzane         ND         1.0         µg/L         1         57//2014 11:45:09 PM         R18468           Toluane         ND         1.0         µg/L         1         57//2014 11:45:09 PM         R18468           Methyl tert-burly elther (MTBE)         ND         1.0         µg/L         1         57//2014 11:45:09 PM         R18468           1.3.4 -Trimethylbenzane         2.0         1.0         µg/L         1         57//2014 11:45:09 PM         R18468           1.3.4 -Trimethylbenzane         ND         1.0         µg/L         1         57//2014 11:45:09 PM         R18468           1.2-Dibromethane (EDC)         ND         1.0         µg/L         1         57//2014 11:45:09 PM         R18468           Naphthalene         1.4         2.0         µg/L         1         57//2014 11:45:09 PM         R18468           Acetone         ND         1.0         µg/L         1         57//2014 11:45:09 PM         R18468           Bromodehoremethane         ND         1.0         µg/L         1         57//2014 11:45:09 PM         R18468           Bromodehoremethane         ND         1.0         µg/L         1         57//2014 11:45:09 PM         R18468           Bromodehoremethane         ND	EPA METHOD 8260B: VOLATILES					Analyst	: KJH																																																																																																																								
Toluene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Ethylbenzene         3.6         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.2.4-Trimethylbenzene         2.0         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.3.5-Trimethylbenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.2-Dichoroethane (EDC)         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.2-Dichoroethane (EDC)         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.4-Dibromoethane (EDB)         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           2-Methylnaphthalene         4.6         4.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromoform         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon disulfide         ND </td <td>Benzene</td> <td>ND</td> <td>1.0</td> <td>µg/L</td> <td>1</td> <td>5/7/2014 11:45:09 PM</td> <td>R18468</td>	Benzene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
Ethylbenzene         3.6         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Methyl tert-butyl ether (MTBE)         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.2,4-Trimethylbenzene         2.0         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.2-Dibroroethane (EDC)         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.2-Dibroroethane (EDC)         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.2-Dibroroethane (EDB)         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.4-Uthylnaphthalene         4.6         4.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Acetone         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromodichormethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromodichormethane </td <td>Toluene</td> <td>ND</td> <td>1.0</td> <td></td> <td>1</td> <td></td> <td></td>	Toluene	ND	1.0		1																																																																																																																										
Methy tert-buty lether (MTBE)         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.2,4-Trimethy benzene         2.0         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.3,5-Trimethy benzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.2-Dichloroethane (EDB)         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.4-Dibromethane (EDB)         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1.4-Methylnaphthalene         4.6         4.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           2-Methylnaphthalene         6.0         4.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           2-Methylnaphthalene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromodichloromethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromodichloromethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468	Ethylbenzene	3.6	1.0		1																																																																																																																										
1.2.4-Trimethylbenzene       2.0       1.0       µg/L       1       577/2014 11:45:09 PM       R18468         1.3.5-Trimethylbenzene       ND       1.0       µg/L       1       577/2014 11:45:09 PM       R18468         1.2-Dichoroethane (EDC)       ND       1.0       µg/L       1       577/2014 11:45:09 PM       R18468         1.2-Dichoroethane (EDB)       ND       1.0       µg/L       1       577/2014 11:45:09 PM       R18468         1.4-Methylnaphthalene       4.6       4.0       µg/L       1       577/2014 11:45:09 PM       R18468         2-Methylnaphthalene       6.0       4.0       µg/L       1       577/2014 11:45:09 PM       R18468         Bromobenzene       ND       1.0       µg/L       1       577/2014 11:45:09 PM       R18468         Bromodichloromethane       ND       1.0       µg/L       1       577/2014 11:45:09 PM       R18468         Bromodichloromethane       ND       1.0       µg/L       1       577/2014 11:45:09 PM       R18468         Bromodichloromethane       ND       1.0       µg/L       1       577/2014 11:45:09 PM       R18468         Carbon Tetrachioride       ND       1.0       µg/L       1       577/2014 11:45:09 PM	Methyl tert-butyl ether (MTBE)	ND	1.0		1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
1.3.5-Trimethylbenzene       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         1.2-Dibrocethane (EDC)       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Naphthalene       1.4       2.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         1-Methylnaphthalene       4.6       4.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         2-Methylnaphthalene       6.0       4.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         2-Methylnaphthalene       6.0       4.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Bromobenzene       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Bromodichloromethane       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Bromodiethane       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Carbon disulfide       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Chlorobenzene       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468 <tr< td=""><td>1,2,4-Trimethylbenzene</td><td>2.0</td><td>1.0</td><td>510.CT)</td><td>1</td><td></td><td></td></tr<>	1,2,4-Trimethylbenzene	2.0	1.0	510.CT)	1																																																																																																																										
1.2-Dichloroethane (EDC)       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         1.2-Dibromoethane (EDB)       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         1-Methylnaphthalene       4.6       4.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         2-Methylnaphthalene       6.0       4.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         2-Methylnaphthalene       6.0       4.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Acetone       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Bromodichloromethane       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Bromonethane       ND       3.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         2-Butanone       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Carbon disulfide       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Chloroethane       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468	1,3,5-Trimethylbenzene	ND	1.0	5 (1) <del>-</del> (1) - (1)	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
1.2-Dibromoethane (EDB)       ND       1.0       µg/L       1       57/72014 11:45:09 PM       R18468         Naphthalene       1.4       2.0       µg/L       1       57/72014 11:45:09 PM       R18468         1-Methylnaphthalene       6.0       4.0       µg/L       1       57/72014 11:45:09 PM       R18468         2-Methylnaphthalene       6.0       4.0       µg/L       1       57/72014 11:45:09 PM       R18468         Acetone       ND       1.0       µg/L       1       57/72014 11:45:09 PM       R18468         Bromodichloromethane       ND       1.0       µg/L       1       57/72014 11:45:09 PM       R18468         Bromodichloromethane       ND       1.0       µg/L       1       57/72014 11:45:09 PM       R18468         Bromodichloromethane       ND       3.0       µg/L       1       57/72014 11:45:09 PM       R18468         Carbon disulfide       ND       1.0       µg/L       1       57/72014 11:45:09 PM       R18468         Chlorobenzene       ND       1.0       µg/L       1       57/72014 11:45:09 PM       R18468         Chlorobenzene       ND       1.0       µg/L       1       57/72014 11:45:09 PM       R18468	1,2-Dichloroethane (EDC)	ND	1.0		1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
Naphthalene         14         2.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1-Methylnaphthalene         6.0         4.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           2-Methylnaphthalene         6.0         4.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Acetone         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromoform         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromoferm         ND         3.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon disulfide         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon Tetrachloride         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloroform         ND         1.0         µg/L <td>1,2-Dibromoethane (EDB)</td> <td>ND</td> <td>1.0</td> <td></td> <td>1</td> <td>5/7/2014 11:45:09 PM</td> <td>R18468</td>	1,2-Dibromoethane (EDB)	ND	1.0		1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
1-Methylnaphthalene       4.6       4.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         2-Methylnaphthalene       6.0       4.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Acetone       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Bromobenzene       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Bromodichloromethane       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Bromomethane       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Carbon disulfide       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Carbon disulfide       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Chlorobenzene       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Chlorobethane       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Chloroform       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Chloroform	Naphthalene	14	2.0		1		R18468																																																																																																																								
2-Methylnaphthalene       6.0       4.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Acetone       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Bromobenzene       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Bromodichloromethane       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Bromomethane       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Carbon disulfide       ND       10       µg/L       1       5/7/2014 11:45:09 PM       R18468         Carbon disulfide       ND       10       µg/L       1       5/7/2014 11:45:09 PM       R18468         Carbon disulfide       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Chlorobenzene       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Chloroform       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         Chloroform       ND       1.0       µg/L       1       5/7/2014 11:45:09 PM       R18468         2-Chlorofoluene       <	1-Methylnaphthalene	4.6	4.0	20.027	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
Acetone         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromodichloromethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromoform         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromomethane         ND         3.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon disulfide         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon Tetrachloride         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloroform         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloroform         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloroform         ND         1.0         µg/L	2-Methylnaphthalene	6.0	4.0		1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
Bromobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromodichloromethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromomethane         ND         3.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           2-Butanone         ND         3.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon disulfide         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon disulfide         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobune         ND         1.0         µg/L <td>Acetone</td> <td>ND</td> <td>10</td> <td></td> <td>1</td> <td>5/7/2014 11:45:09 PM</td> <td>R18468</td>	Acetone	ND	10		1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
Bromodichloromethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromoform         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromomethane         ND         3.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           2-Butanone         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon disulfide         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon disulfide         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloroform         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloroform         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorofoluene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           cis-1,2-DCE         ND         1.0         µg/L	Bromobenzene	ND	1.0		1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
Bromoform         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Bromomethane         ND         3.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           2-Butanone         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon disulfide         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon Tetrachloride         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         3.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobluene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           cis-1,2-DE         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           cis-1,2-DE         ND         1.0         µg/L	Bromodichloromethane	ND	1.0		1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
Bromomethane         ND         3.0         μg/L         1         5/7/2014 11:45:09 PM         R18468           2-Butanone         ND         10         μg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon disulfide         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon Tetrachloride         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloroethane         ND         2.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloroform         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorotoluene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           2-Chlorotoluene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           cis-1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Dibromochloromethane         ND         1.0	Bromoform	ND	1.0	0.00753	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
Carbon disulfide         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon Tetrachloride         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         2.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloromethane         ND         3.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           2-Chlorotoluene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           cis-1,2-DCE         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dibromo-3-chloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dichlorobenzene         ND         1.0	Bromomethane	ND	3.0	Providence of the	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
Carbon disulfide         ND         10         µg/L         1         5/7/2014 11:45:09 PM         R18468           Carbon Tetrachloride         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         2.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         3.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobenzene         ND         3.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chlorobluene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           cis-1,2-DCE         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dibromo-3-chloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dichlorobenzene         ND         1.0 <td>2-Butanone</td> <td>ND</td> <td>10</td> <td>µg/L</td> <td>1</td> <td>5/7/2014 11:45:09 PM</td> <td>R18468</td>	2-Butanone	ND	10	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
Chlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloroethane         ND         2.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloroethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Chloromethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           2-Chlorotoluene         ND         3.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           4-Chlorotoluene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           cis-1,2-DCE         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dibromo-3-chloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           Dibromochloromethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dibrlorobenzene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichlorobenzene         ND <td< td=""><td>Carbon disulfide</td><td>ND</td><td>10</td><td></td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></td<>	Carbon disulfide	ND	10		1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
ChloroethaneND2.0µg/L15/7/2014 11:45:09 PMR18468ChloroformND1.0µg/L15/7/2014 11:45:09 PMR18468ChloromethaneND3.0µg/L15/7/2014 11:45:09 PMR184682-ChlorotolueneND1.0µg/L15/7/2014 11:45:09 PMR184684-ChlorotolueneND1.0µg/L15/7/2014 11:45:09 PMR18468cis-1,2-DCEND1.0µg/L15/7/2014 11:45:09 PMR18468cis-1,3-DichloropropeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-Dibromo-3-chloropropaneND2.0µg/L15/7/2014 11:45:09 PMR18468DibromoethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND<	Carbon Tetrachloride	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
ChloroformND1.0µg/L15/7/2014 11:45:09 PMR18468ChloromethaneND3.0µg/L15/7/2014 11:45:09 PMR184682-ChlorotolueneND1.0µg/L15/7/2014 11:45:09 PMR184684-ChlorotolueneND1.0µg/L15/7/2014 11:45:09 PMR18468cis-1,2-DCEND1.0µg/L15/7/2014 11:45:09 PMR18468cis-1,3-DichloropropeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-Dibromo-3-chloropropaneND2.0µg/L15/7/2014 11:45:09 PMR18468DibromoethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-Dichloropethane<	Chlorobenzene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
ChloromethaneND3.0µg/L15/7/2014 11:45:09 PMR184682-ChlorotolueneND1.0µg/L15/7/2014 11:45:09 PMR184684-ChlorotolueneND1.0µg/L15/7/2014 11:45:09 PMR18468cis-1,2-DCEND1.0µg/L15/7/2014 11:45:09 PMR18468cis-1,3-DichloropropeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-Dibromo-3-chloropropaneND2.0µg/L15/7/2014 11:45:09 PMR18468DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-Dichlo	Chloroethane	ND	2.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
2-ChlorotolueneND1.0µg/L15/7/2014 11:45:09 PMR184684-ChlorotolueneND1.0µg/L15/7/2014 11:45:09 PMR18468cis-1,2-DCEND1.0µg/L15/7/2014 11:45:09 PMR18468cis-1,3-DichloropropeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-Dibromo-3-chloropropaneND2.0µg/L15/7/2014 11:45:09 PMR18468DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-	Chloroform	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
4-ChlorotolueneND1.0μg/L15/7/2014 11:45:09 PMR18468cis-1,2-DCEND1.0μg/L15/7/2014 11:45:09 PMR18468cis-1,3-DichloropropeneND1.0μg/L15/7/2014 11:45:09 PMR184681,2-Dibromo-3-chloropropaneND2.0μg/L15/7/2014 11:45:09 PMR18468DibromochloromethaneND1.0μg/L15/7/2014 11:45:09 PMR18468DibromoethaneND1.0μg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0μg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0μg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0μg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0μg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0μg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0μg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0μg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0μg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0μg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0μg/L15/7/2014 11:45:09 PMR184681,3-Di	Chloromethane	ND	3.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
cis-1,2-DCEND1.0µg/L15/7/2014 11:45:09 PMR18468cis-1,3-DichloropropeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-Dibromo-3-chloropropaneND2.0µg/L15/7/2014 11:45:09 PMR18468DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR18468DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468 <tr <="" td=""><td>2-Chlorotoluene</td><td>ND</td><td>1.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td>cis-1,3-DichloropropeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-Dibromo-3-chloropropaneND2.0µg/L15/7/2014 11:45:09 PMR18468DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR18468DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468<td>4-Chlorotoluene</td><td>ND</td><td>1.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></td></tr> <tr><td>1,2-Dibromo-3-chloropropaneND2.0µg/L15/7/2014 11:45:09 PMR18468DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR18468DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR18468<td>cis-1,2-DCE</td><td>ND</td><td>1.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></td></tr> <tr><td>DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR18468DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468</td><td>cis-1,3-Dichloropropene</td><td>ND</td><td>1.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td>DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468</td><td>1,2-Dibromo-3-chloropropane</td><td>ND</td><td>2.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td>1,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorodifluoromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468</td><td>Dibromochloromethane</td><td>ND</td><td>1.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td>1,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR18468DichlorodifluoromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468</td><td>Dibromomethane</td><td>ND</td><td>1.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td>1,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR18468DichlorodifluoromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468</td><td>1,2-Dichlorobenzene</td><td>ND</td><td>1.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td>Dichlorodifluoromethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,1-Dichloroethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,1-Dichloroethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,1-Dichloroethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468</td><td>1,3-Dichlorobenzene</td><td>ND</td><td>1.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td>1,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468</td><td>1,4-Dichlorobenzene</td><td>ND</td><td>1.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td>1,1-Dichloroethene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468</td><td>Dichlorodifluoromethane</td><td>ND</td><td>1.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td>1,2-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468</td><td>1,1-Dichloroethane</td><td>ND</td><td>1.0</td><td>µg/L</td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td>1,2-DichloropropaneND1.0μg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0μg/L15/7/2014 11:45:09 PMR18468</td><td>1,1-Dichloroethene</td><td>ND</td><td>1.0</td><td></td><td>1</td><td></td><td>R18468</td></tr> <tr><td>1,3-Dichloropropane         ND         1.0         μg/L         1         5/7/2014 11:45:09 PM         R18468</td><td>1,2-Dichloropropane</td><td>ND</td><td>1.0</td><td></td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td></td><td>1,3-Dichloropropane</td><td>ND</td><td>1.0</td><td></td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr> <tr><td></td><td>2,2-Dichloropropane</td><td>ND</td><td>2.0</td><td></td><td>1</td><td>5/7/2014 11:45:09 PM</td><td>R18468</td></tr>	2-Chlorotoluene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	cis-1,3-DichloropropeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-Dibromo-3-chloropropaneND2.0µg/L15/7/2014 11:45:09 PMR18468DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR18468DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468 <td>4-Chlorotoluene</td> <td>ND</td> <td>1.0</td> <td>µg/L</td> <td>1</td> <td>5/7/2014 11:45:09 PM</td> <td>R18468</td>	4-Chlorotoluene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	1,2-Dibromo-3-chloropropaneND2.0µg/L15/7/2014 11:45:09 PMR18468DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR18468DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR18468 <td>cis-1,2-DCE</td> <td>ND</td> <td>1.0</td> <td>µg/L</td> <td>1</td> <td>5/7/2014 11:45:09 PM</td> <td>R18468</td>	cis-1,2-DCE	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR18468DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	cis-1,3-Dichloropropene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	1,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorodifluoromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	Dibromochloromethane	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	1,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR18468DichlorodifluoromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	Dibromomethane	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	1,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR18468DichlorodifluoromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	1,2-Dichlorobenzene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	Dichlorodifluoromethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,1-Dichloroethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,1-Dichloroethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,1-Dichloroethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468	1,3-Dichlorobenzene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	1,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	1,4-Dichlorobenzene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	1,1-Dichloroethene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468	Dichlorodifluoromethane	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	1,2-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468	1,1-Dichloroethane	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468	1,2-DichloropropaneND1.0μg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0μg/L15/7/2014 11:45:09 PMR18468	1,1-Dichloroethene	ND	1.0		1		R18468	1,3-Dichloropropane         ND         1.0         μg/L         1         5/7/2014 11:45:09 PM         R18468	1,2-Dichloropropane	ND	1.0		1	5/7/2014 11:45:09 PM	R18468		1,3-Dichloropropane	ND	1.0		1	5/7/2014 11:45:09 PM	R18468		2,2-Dichloropropane	ND	2.0		1	5/7/2014 11:45:09 PM	R18468
2-Chlorotoluene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																									
cis-1,3-DichloropropeneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-Dibromo-3-chloropropaneND2.0µg/L15/7/2014 11:45:09 PMR18468DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR18468DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468 <td>4-Chlorotoluene</td> <td>ND</td> <td>1.0</td> <td>µg/L</td> <td>1</td> <td>5/7/2014 11:45:09 PM</td> <td>R18468</td>	4-Chlorotoluene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
1,2-Dibromo-3-chloropropaneND2.0µg/L15/7/2014 11:45:09 PMR18468DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR18468DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloroptopaneND1.0µg/L15/7/2014 11:45:09 PMR18468 <td>cis-1,2-DCE</td> <td>ND</td> <td>1.0</td> <td>µg/L</td> <td>1</td> <td>5/7/2014 11:45:09 PM</td> <td>R18468</td>	cis-1,2-DCE	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
DibromochloromethaneND1.0µg/L15/7/2014 11:45:09 PMR18468DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	cis-1,3-Dichloropropene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
DibromomethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
1,2-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorodifluoromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	Dibromochloromethane	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
1,3-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR184681,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR18468DichlorodifluoromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	Dibromomethane	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
1,4-DichlorobenzeneND1.0µg/L15/7/2014 11:45:09 PMR18468DichlorodifluoromethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	1,2-Dichlorobenzene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
Dichlorodifluoromethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,1-Dichloroethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,1-Dichloroethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,1-Dichloroethane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468	1,3-Dichlorobenzene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
1,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,1-DichloroethaneND1.0µg/L15/7/2014 11:45:09 PMR184681,2-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0µg/L15/7/2014 11:45:09 PMR18468	1,4-Dichlorobenzene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
1,1-Dichloroethene         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,2-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468	Dichlorodifluoromethane	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
1,2-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468           1,3-Dichloropropane         ND         1.0         µg/L         1         5/7/2014 11:45:09 PM         R18468	1,1-Dichloroethane	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
1,2-DichloropropaneND1.0μg/L15/7/2014 11:45:09 PMR184681,3-DichloropropaneND1.0μg/L15/7/2014 11:45:09 PMR18468	1,1-Dichloroethene	ND	1.0		1		R18468																																																																																																																								
1,3-Dichloropropane         ND         1.0         μg/L         1         5/7/2014 11:45:09 PM         R18468	1,2-Dichloropropane	ND	1.0		1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
	1,3-Dichloropropane	ND	1.0		1	5/7/2014 11:45:09 PM	R18468																																																																																																																								
	2,2-Dichloropropane	ND	2.0		1	5/7/2014 11:45:09 PM	R18468																																																																																																																								

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
  - Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 6 of 36
- P Sample pH greater than 2.

Н

RL Reporting Detection Limit

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

Han Environmental Analysis Eabol atol y, Inc.				Date Reported: 5/14/2014				
CLIENT: EA Engineering			Client Sampl	e ID: M	W-3			
Project: Atex 213			Collection ]	Date: 5/1	/2014 11:52:00 AM			
Lab ID: 1405097-004	Matrix: A	AQUEOUS	Received ]	Date: 5/2	2/2014 3:15:00 PM			
Analyses	Result	RL Qua	l Units	DF	Date Analyzed	Batch		
EPA METHOD 8260B: VOLATILES					Analyst	: КЈН		
1,1-Dichloropropene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R1846		
Hexachlorobutadiene	ND	1.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
2-Hexanone	ND	10	μg/L	1	5/7/2014 11:45:09 PM	R1846		
Isopropylbenzene	3.7	1.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
4-Isopropyltoluene	ND	1.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
4-Methyl-2-pentanone	ND	10	μg/L	1	5/7/2014 11:45:09 PM	R1846		
Methylene Chloride	ND	3.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
n-Butylbenzene	4.5	3.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
n-Propylbenzene	12	1.0	μg/L		5/7/2014 11:45:09 PM	R1846		
sec-Butylbenzene	1.8	1.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
Styrene	ND	1.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
tert-Butylbenzene	ND	1.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
trans-1,2-DCE	ND	1.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R1846		
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R1846		
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R1846		
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R184		
Trichloroethene (TCE)	ND	1.0	μg/L	1	5/7/2014 11:45:09 PM	R1846		
Trichlorofluoromethane	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R184		
1,2,3-Trichloropropane	ND	2.0	μg/L	1	5/7/2014 11:45:09 PM	R184		
Vinyl chloride	ND	1.0	µg/L	1	5/7/2014 11:45:09 PM	R184		
Xylenes, Total	2.4	1.5	µg/L	1	5/7/2014 11:45:09 PM	R184		
Surr: 1,2-Dichloroethane-d4	90.0	70-130	%REC	1	5/7/2014 11:45:09 PM	R184		
Surr: 4-Bromofluorobenzene	94.0	70-130	%REC	1	5/7/2014 11:45:09 PM	R184		
Surr: Dibromofluoromethane	93.0	70-130	%REC	1	5/7/2014 11:45:09 PM	R184		
0 T I II				50 100				

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

70-130

%REC

Η

88.0

Qualifiers: \* Value exceeds Maximum Contaminant Level.

Surr: Toluene-d8

- Е Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank

1

- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 7 of 36
- Р Sample pH greater than 2.

5/7/2014 11:45:09 PM

R18468

RL **Reporting Detection Limit** 

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

Batch

Analyses		Result	RL Qual	Units	DF Date Analyzed
Lab ID:	1405097-005	Matrix:	AQUEOUS	Received Da	te: 5/2/2014 3:15:00 PM
<b>Project:</b>	Atex 213			<b>Collection Da</b>	te: 5/1/2014 4:42:00 PM
CLIENT:	EA Engineering		c	lient Sample l	D: MW-4R

PA METHOD 8260B: VOLATILES Benzene 25 Foluene NE		μg/L	1	Analyst	: KJH
		µg/L	1		
Toluene NE	) 1.0			5/8/2014 12:13:05 AM	R184
		µg/L	1	5/8/2014 12:13:05 AM	R184
thylbenzene 3.8	3 1.0		1	5/8/2014 12:13:05 AM	R184
Nethyl tert-butyl ether (MTBE) 55	5 1.0		1	5/8/2014 12:13:05 AM	R184
,2,4-Trimethylbenzene NE	) 1.0		1	5/8/2014 12:13:05 AM	R184
,3,5-Trimethylbenzene NE	) 1.0		1	5/8/2014 12:13:05 AM	R184
,2-Dichloroethane (EDC) NE	) 1.0		1	5/8/2014 12:13:05 AM	R18
,2-Dibromoethane (EDB) NE	) 1.0	µg/L	1	5/8/2014 12:13:05 AM	R18
Vaphthalene 4	2.0		1	5/8/2014 12:13:05 AM	R18
-Methylnaphthalene 9.6	6 4.0	μg/L	1	5/8/2014 12:13:05 AM	R18
2-Methylnaphthalene 14	4.0	μg/L	1	5/8/2014 12:13:05 AM	R18
Acetone NE	) 10	10.1000	1	5/8/2014 12:13:05 AM	R18
Bromobenzene NE	) 1.0		1	5/8/2014 12:13:05 AM	R18
Bromodichloromethane NE	) 1.0	μg/L	1	5/8/2014 12:13:05 AM	R18
Bromoform NE	) 1.0	μg/L	1	5/8/2014 12:13:05 AM	R18
Bromomethane NE	3.0	μg/L	1	5/8/2014 12:13:05 AM	R18
2-Butanone NE	) 10	μg/L	1	5/8/2014 12:13:05 AM	R18
Carbon disulfide NE	0 10	μg/L	1	5/8/2014 12:13:05 AM	R18
Carbon Tetrachloride NE	) 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
Chlorobenzene NE	) 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
Chloroethane NE	2.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
Chloroform NE	) 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
Chloromethane NE	3.0	μg/L	1	5/8/2014 12:13:05 AM	R18
2-Chlorotoluene NE	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
1-Chlorotoluene NE	) 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
cis-1,2-DCE NE	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
cis-1,3-Dichloropropene NI	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
1,2-Dibromo-3-chloropropane NI	2.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
Dibromochloromethane NE	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
Dibromomethane NE	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
1,2-Dichlorobenzene NI	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
1,3-Dichlorobenzene NI	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
1,4-Dichlorobenzene NI	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
Dichlorodifluoromethane NE	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
1,1-Dichloroethane NI	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
1,1-Dichloroethene NI	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
1,2-Dichloropropane NI	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
1,3-Dichloropropane NI	0 1.0	) µg/L	1	5/8/2014 12:13:05 AM	R18
2,2-Dichloropropane NI	2.0	) µg/L	1	5/8/2014 12:13:05 AM	R18

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
  - Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 8 of 36
- P Sample pH greater than 2.

Η

RL Reporting Detection Limit

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

CLIENT: EA Engineering	Client Sample ID: MW-4R						
Project: Atex 213			Collection	Date: 5/1	/2014 4:42:00 PM		
Lab ID: 1405097-005	Matrix: A	QUEOUS	Received	Date: 5/2	2/2014 3:15:00 PM		
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 8260B: VOLATILES					Analyst	: KJH	
1,1-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468	
Hexachlorobutadiene	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468	
2-Hexanone	ND	10	µg/L	1	5/8/2014 12:13:05 AM	R18468	
Isopropylbenzene	9.1	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468	
4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468	
4-Methyl-2-pentanone	ND	10	µg/L	1	5/8/2014 12:13:05 AM	R18468	
Methylene Chloride	ND	3.0	ug/l	1	5/8/2014 12:13:05 AM	P18/68	

4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
4-Methyl-2-pentanone	ND	10	µg/L	1	5/8/2014 12:13:05 AM	R18468
Methylene Chloride	ND	3.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
n-Butylbenzene	ND	3.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
n-Propylbenzene	18	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
sec-Butylbenzene	2.2	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
Styrene	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
tert-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
trans-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
Trichlorofluoromethane	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
Vinyl chloride	ND	1.0	µg/L	1	5/8/2014 12:13:05 AM	R18468
Xylenes, Total	ND	1.5	µg/L	1	5/8/2014 12:13:05 AM	R18468
Surr: 1,2-Dichloroethane-d4	89.6	70-130	%REC	1	5/8/2014 12:13:05 AM	R18468
Surr: 4-Bromofluorobenzene	88.2	70-130	%REC	1	5/8/2014 12:13:05 AM	R18468
Surr: Dibromofluoromethane	93.3	70-130	%REC	1	5/8/2014 12:13:05 AM	R18468
Surr: Toluene-d8	88.4	70-130	%REC	1	5/8/2014 12:13:05 AM	R18468

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Meth	od Bla
	Е	Value above quantitation range	Н	Holding times for preparation or analysi	is exce
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Da

- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- lank
  - eeded
- ND Not Detected at the Reporting Limit Page 9 of 36
- Sample pH greater than 2. Р
- RL Reporting Detection Limit

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

			and the second second second		
CLIENT: EA Engineering			Client Samp	ole ID: MW-6R	
Project: Atex 213	Collection Date: 5/1/2014 4:29:00 PM				
Lab ID: 1405097-006	Matrix: A	QUEOUS	Received	Date: 5/2/2014 3:15:00 PM	
Analyses	Result	RL Qual	Units	DF Date Analyzed Batch	
EPA METHOD 8260B: VOLATILES				Analyst: KJH	
Benzene	1.6	1.0	µg/L	1 5/8/2014 12:41:08 AM R184	
Toluene	ND	1.0	µg/L	1 5/8/2014 12:41:08 AM R184	
Ethylbenzene	6.6	1.0	µg/L	1 5/8/2014 12:41:08 AM R184	
Methyl tert-butyl ether (MTBE)	62	10	ua/I	1 5/8/2014 12:41:09 AM D194	

			PS'-		0/0/2011 12.11.00/10/	1110400
Toluene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Ethylbenzene	6.6	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Methyl tert-butyl ether (MTBE)	6.2	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Naphthalene	32	2.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1-Methylnaphthalene	8.5	4.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
2-Methylnaphthalene	15	4.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Acetone	ND	10	µg/L	1	5/8/2014 12:41:08 AM	R18468
Bromobenzene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Bromodichloromethane	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Bromoform	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Bromomethane	ND	3.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
2-Butanone	ND	10	µg/L	1	5/8/2014 12:41:08 AM	R18468
Carbon disulfide	ND	10	µg/L	1	5/8/2014 12:41:08 AM	R18468
Carbon Tetrachloride	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Chlorobenzene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Chloroethane	ND	2.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Chloroform	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Chloromethane	ND	3.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
2-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
4-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
cis-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Dibromochloromethane	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Dibromomethane	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,2-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,3-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,4-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
Dichlorodifluoromethane	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,1-Dichloroethane	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,1-Dichloroethene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,2-Dichloropropane	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
1,3-Dichloropropane	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R18468
2,2-Dichloropropane	ND	2.0	µg/L	1	5/8/2014 12:41:08 AM	R18468

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
  - 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- в Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit Page 10 of 36

Р Sample pH greater than 2.

RL Reporting Detection Limit

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

CLIENT: EA Engineering		(	Client Samp	le ID: M	W-6R	
Project: Atex 213			Collection	Date: 5/1	/2014 4:29:00 PM	
Lab ID: 1405097-006	Matrix:	AQUEOUS	Received	<b>Date: 5/2</b>	2/2014 3:15:00 PM	
Analyses	Result	RL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	: KJH
1,1-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R1846
Hexachlorobutadiene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
2-Hexanone	ND	10	µg/L	1	5/8/2014 12:41:08 AM	R184
Isopropylbenzene	9.1	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
4-Methyl-2-pentanone	ND	10	µg/L	1	5/8/2014 12:41:08 AM	R1846
Methylene Chloride	ND	3.0	µg/L	1	5/8/2014 12:41:08 AM	R184
n-Butylbenzene	6.6	3.0	µg/L	1	5/8/2014 12:41:08 AM	R184
n-Propylbenzene	29	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
sec-Butylbenzene	2.6	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
Styrene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
tert-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/8/2014 12:41:08 AM	R184
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
trans-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
Trichlorofluoromethane	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/8/2014 12:41:08 AM	R184
Vinyl chloride	ND	1.0	µg/L	1	5/8/2014 12:41:08 AM	R184
Xylenes, Total	ND	1.5	µg/L	1	5/8/2014 12:41:08 AM	R184
Surr: 1,2-Dichloroethane-d4	89.9	70-130	%REC	1	5/8/2014 12:41:08 AM	R184
Surr: 4-Bromofluorobenzene	91.6	70-130	%REC	1	5/8/2014 12:41:08 AM	R184
Surr: Dibromofluoromethane	92.9	70-130	%REC	1	5/8/2014 12:41:08 AM	R184
Surr: Toluene-d8	89.2	70-130	%REC	1	5/8/2014 12:41:08 AM	R184

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 Page 11 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Analytical Report Lab Order 1405097 Date Reported: 5/14/2014

#### Hall Environmental Analysis Laboratory, Inc.

-

**Project:** 

Lab ID:

**CLIENT:** EA Engineering

Atex 213

1405097-007

Client Sample ID: MW-38

Collection Date: 5/1/2014 2:38:00 PM

Received Date: 5/2/2014 3:15:00 PM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: KJH
Benzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Toluene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Ethylbenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Naphthalene	ND	2.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1-Methylnaphthalene	ND	4.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
2-Methylnaphthalene	ND	4.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Acetone	ND	10	µg/L	1	5/8/2014 1:09:06 AM	R18468
Bromobenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Bromodichloromethane	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Bromoform	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Bromomethane	ND	3.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
2-Butanone	ND	10	µg/L	1	5/8/2014 1:09:06 AM	R18468
Carbon disulfide	ND	10	µg/L	1	5/8/2014 1:09:06 AM	R18468
Carbon Tetrachloride	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Chlorobenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Chloroethane	ND	2.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Chloroform	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Chloromethane	ND	3.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
2-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
4-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
cis-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Dibromochloromethane	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Dibromomethane	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,2-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,3-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,4-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Dichlorodifluoromethane	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,1-Dichloroethane	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,1-Dichloroethene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,2-Dichloropropane	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,3-Dichloropropane	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
2,2-Dichloropropane	ND	2.0	µg/L	1	5/8/2014 1:09:06 AM	R18468

Matrix: AQUEOUS

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 Page 12 of 36

P Sample pH greater than 2.

RL Reporting Detection Limit

#### Hall Environmental Analysis Laboratory, Inc. -

Date Reported: 5/14/2014

CLIENT: EA Engineering Project: Atex 213			Client Sampl			
					/2014 2:38:00 PM	
Lab ID: 1405097-007	Matrix:	AQUEOUS	Received 1	Date: 5/2	2/2014 3:15:00 PM	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: KJH
1,1-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Hexachlorobutadiene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
2-Hexanone	ND	10	µg/L	1	5/8/2014 1:09:06 AM	R18468
Isopropylbenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
4-Methyl-2-pentanone	ND	10	µg/L	1	5/8/2014 1:09:06 AM	R18468
Methylene Chloride	ND	3.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
n-Butylbenzene	ND	3.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
n-Propylbenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
sec-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Styrene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
tert-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
trans-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Trichlorofluoromethane	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Vinyl chloride	ND	1.0	µg/L	1	5/8/2014 1:09:06 AM	R18468
Xylenes, Total	ND	1.5	µg/L	1	5/8/2014 1:09:06 AM	R18468
Surr: 1,2-Dichloroethane-d4	89.6	70-130	%REC	1	5/8/2014 1:09:06 AM	R18468
Surr: 4-Bromofluorobenzene	91.7	70-130	%REC	1	5/8/2014 1:09:06 AM	R18468
Surr: Dibromofluoromethane	95.3	70-130	%REC	1	5/8/2014 1:09:06 AM	R18468
Surr: Toluene-d8	88.1	70-130	%REC	1	5/8/2014 1:09:06 AM	R18468

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Met	hod Blank
2 <del>0</del> 8.889 98 98 98 98 98 98 99	Ε	Value above quantitation range	н	Holding times for preparation or analysis	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	Page 13 of 36
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

**Analytical Report** Lab Order 1405097 Date Reported: 5/14/2014

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID. BB\_2

Matrix: A Result ND ND ND 17		ual Units		2/2014 3:15:00 PM Date Analyzed	Batch
ND ND ND	1.0		DF	Date Analyzed	Batch
ND ND					
ND ND		500.500 million		Analys	t: KJH
ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
		µg/L	1	5/8/2014 1:37:05 AM	R18468
17	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
ND	2.0	μg/L	1	5/8/2014 1:37:05 AM	R18468
ND	4.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
ND	4.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
ND	10	μg/L	1	5/8/2014 1:37:05 AM	R18468
ND	1.0	μg/L	1	5/8/2014 1:37:05 AM	R18468
ND	1.0	μg/L	1	5/8/2014 1:37:05 AM	R18468
ND	1.0	μg/L	1	5/8/2014 1:37:05 AM	R18468
ND	3.0	μg/L	1	5/8/2014 1:37:05 AM	R18468
ND	10	μg/L	1	5/8/2014 1:37:05 AM	R18468
ND	10	μg/L	1	5/8/2014 1:37:05 AM	R18468
ND	1.0	μg/L	1	5/8/2014 1:37:05 AM	R18468
ND	1.0	μg/L	1	5/8/2014 1:37:05 AM	R18468
					R18468
					R18468 R18468
	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND         2.0           ND         1.0           ND         3.0           ND         1.0           ND         1.0	ND         2.0         μg/L           ND         1.0         μg/L           ND         3.0         μg/L           ND         1.0         μg/L	ND         2.0         μg/L         1           ND         1.0         μg/L         1           ND         3.0         μg/L         1           ND         3.0         μg/L         1           ND         1.0         μg/L         1           ND	ND         2.0         µg/L         1         5/8/2014 1:37:05 AM           ND         1.0         µg/L         1         5/8/2014 1:37:05 AM           ND         3.0         µg/L         1         5/8/2014 1:37:05 AM           ND         3.0         µg/L         1         5/8/2014 1:37:05 AM           ND         1.0         µg/L         1         5/8/2014

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

\* Value exceeds Maximum Contaminant Level.

Value above quantitation range Е

- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 14 of 36
- P Sample pH greater than 2.
- RL **Reporting Detection Limit**

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Atex 213

1405097-008

**Project:** 

Lab ID:

Date Reported: 5/14/2014

#### Client Sample ID: BB-2 Collection Date: 5/1/2014 3:15:00 PM

Received Date: 5/2/2014 3:15:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	: KJH
1,1-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
Hexachlorobutadiene	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
2-Hexanone	ND	10	µg/L	1	5/8/2014 1:37:05 AM	R18468
Isopropylbenzene	1.2	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
4-Methyl-2-pentanone	ND	10	µg/L	1	5/8/2014 1:37:05 AM	R18468
Methylene Chloride	ND	3.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
n-Butylbenzene	ND	3.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
n-Propylbenzene	3.4	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
sec-Butylbenzene	1.0	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
Styrene	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
tert-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
trans-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
Trichlorofluoromethane	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
Vinyl chloride	ND	1.0	µg/L	1	5/8/2014 1:37:05 AM	R18468
Xylenes, Total	ND	1.5	µg/L	1	5/8/2014 1:37:05 AM	R18468
Surr: 1,2-Dichloroethane-d4	89.0	70-130	%REC	1	5/8/2014 1:37:05 AM	R18468
Surr: 4-Bromofluorobenzene	88.8	70-130	%REC	1	5/8/2014 1:37:05 AM	R18468
Surr: Dibromofluoromethane	95.7	70-130	%REC	1	5/8/2014 1:37:05 AM	R18468
Surr: Toluene-d8	88.9	70-130	%REC	1	5/8/2014 1:37:05 AM	R18468

Matrix: AQUEOUS

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

\* 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 Page 15 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Analytical Report Lab Order 1405097 Date Reported: 5/14/2014

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Atex 213

1405097-009

**Project:** 

Lab ID:

Client Sample ID: NMW-1 Collection Date: 5/2/2014 12:52:00 PM

Received Date: 5/2/2014 3:15:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: KJH
Benzene	190	10	µg/L	10	5/8/2014 2:05:06 AM	R18468
Toluene	1.6	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Ethylbenzene	5.9	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Methyl tert-butyl ether (MTBE)	35	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,2,4-Trimethylbenzene	1.2	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,3,5-Trimethylbenzene	1.3	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Naphthalene	19	2.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1-Methylnaphthalene	6.4	4.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
2-Methylnaphthalene	ND	4.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Acetone	ND	10	µg/L	1	5/8/2014 2:33:06 AM	R18468
Bromobenzene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Bromodichloromethane	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Bromoform	ND	1.0	μg/L	1	5/8/2014 2:33:06 AM	R18468
Bromomethane	ND	3.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
2-Butanone	ND	10	μg/L	1	5/8/2014 2:33:06 AM	R18468
Carbon disulfide	ND	10	µg/L	1	5/8/2014 2:33:06 AM	R18468
Carbon Tetrachloride	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Chlorobenzene	ND	1.0	μg/L	1	5/8/2014 2:33:06 AM	R18468
Chloroethane	ND	2.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Chloroform	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Chloromethane	ND	3.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
2-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
4-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
cis-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Dibromochloromethane	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Dibromomethane	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,2-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,3-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,4-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Dichlorodifluoromethane	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,1-Dichloroethane	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,1-Dichloroethene	ND	1.0	μg/L	1	5/8/2014 2:33:06 AM	R18468
1,2-Dichloropropane	ND	1.0	μg/L	1	5/8/2014 2:33:06 AM	R18468
1,3-Dichloropropane	ND	1.0	μg/L	1	5/8/2014 2:33:06 AM	R18468
2,2-Dichloropropane	ND	2.0	μg/L	1	5/8/2014 2:33:06 AM	R18468

Matrix: AQUEOUS

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

\* 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 Page 16 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Analytical Report Lab Order 1405097 Date Reported: 5/14/2014

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Atex 213

1405097-009

**Project:** 

Lab ID:

Client Sample ID: NMW-1 Collection Date: 5/2/2014 12:52:00 PM

<b>Received Date:</b>	5/2/2014	3:15:00 PM
-----------------------	----------	------------

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: KJH
1,1-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Hexachlorobutadiene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
2-Hexanone	ND	10	µg/L	1	5/8/2014 2:33:06 AM	R18468
Isopropylbenzene	11	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
4-Methyl-2-pentanone	ND	10	µg/L	1	5/8/2014 2:33:06 AM	R18468
Methylene Chloride	ND	3.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
n-Butylbenzene	4.7	3.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
n-Propylbenzene	22	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
sec-Butylbenzene	3.1	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Styrene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
tert-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
trans-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Trichlorofluoromethane	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Vinyl chloride	ND	1.0	µg/L	1	5/8/2014 2:33:06 AM	R18468
Xylenes, Total	6.3	1.5	µg/L	1	5/8/2014 2:33:06 AM	R18468
Surr: 1,2-Dichloroethane-d4	86.4	70-130	%REC	1	5/8/2014 2:33:06 AM	R18468
Surr: 4-Bromofluorobenzene	91.9	70-130	%REC	1	5/8/2014 2:33:06 AM	R18468
Surr: Dibromofluoromethane	92.5	70-130	%REC	1	5/8/2014 2:33:06 AM	R18468
Surr: Toluene-d8	86.6	70-130	%REC	1	5/8/2014 2:33:06 AM	R18468

Matrix: AQUEOUS

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

\* 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 Page 17 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

#### Date Reported: 5/14/2014

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Atex 213

1405097-010

**Project:** 

Lab ID:

Client Sample ID: RNMW-2 Collection Date: 5/2/2014 11:42:00 AM Received Date: 5/2/2014 3:15:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: KJH
Benzene	12	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Toluene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Ethylbenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Methyl tert-butyl ether (MTBE)	72	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Naphthalene	ND	2.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
1-Methylnaphthalene	ND	4.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
2-Methylnaphthalene	ND	4.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Acetone	ND	10	µg/L	1	5/8/2014 3:57:11 AM	R18468
Bromobenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Bromodichloromethane	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Bromoform	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Bromomethane	ND	3.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
2-Butanone	ND	10	µg/L	1	5/8/2014 3:57:11 AM	R18468
Carbon disulfide	ND	10	µg/L	1	5/8/2014 3:57:11 AM	R18468
Carbon Tetrachloride	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Chlorobenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Chloroethane	ND	2.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Chloroform	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Chloromethane	ND	3.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
2-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
4-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
cis-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Dibromochloromethane	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
Dibromomethane	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
1,2-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
1,3-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
1,4-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
Dichlorodifluoromethane	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
1,1-Dichloroethane	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R18468
1,1-Dichloroethene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
1,2-Dichloropropane	ND	1.0	μg/L	1	5/8/2014 3:57:11 AM	R1846
1,3-Dichloropropane	ND	1.0	μg/L	1	5/8/2014 3:57:11 AM	R18468
2,2-Dichloropropane	ND	2.0	μg/L	1	5/8/2014 3:57:11 AM	R1846

Matrix: AQUEOUS

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 Page 18 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Date Reported: 5/14/2014

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Atex 213

1405097-010

**Project:** 

Lab ID:

Client Sample ID: RNMW-2 Collection Date: 5/2/2014 11:42:00 AM Received Date: 5/2/2014 3:15:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: KJH
1,1-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
Hexachlorobutadiene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
2-Hexanone	ND	10	µg/L	1	5/8/2014 3:57:11 AM	R1846
Isopropylbenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
4-Methyl-2-pentanone	ND	10	µg/L	1	5/8/2014 3:57:11 AM	R1846
Methylene Chloride	ND	3.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
n-Butylbenzene	ND	3.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
n-Propylbenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
sec-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
Styrene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
tert-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
1,1,1,2-Tetrachloroethane	/ ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
trans-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
Trichlorofluoromethane	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
Vinyl chloride	ND	1.0	µg/L	1	5/8/2014 3:57:11 AM	R1846
Xylenes, Total	ND	1.5	µg/L	1	5/8/2014 3:57:11 AM	R1846
Surr: 1,2-Dichloroethane-d4	90.1	70-130	%REC	1	5/8/2014 3:57:11 AM	R1840
Surr: 4-Bromofluorobenzene	88.1	70-130	%REC	1	5/8/2014 3:57:11 AM	R184
Surr: Dibromofluoromethane	96.5	70-130	%REC	1	5/8/2014 3:57:11 AM	R1846
Surr: Toluene-d8	88.5	70-130	%REC	1	5/8/2014 3:57:11 AM	R1846

Matrix: AQUEOUS

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
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 19 of 36
- Ρ Sample pH greater than 2.
- **Reporting Detection Limit** RL

#### Hall Environmental Analysis Laboratory, Inc

Date Reported: 5/14/2014

Hall Environmental Analysis Laboratory, Inc.					Date Reported: 5/14/2014			
CLIENT: EA Engineering	g Client Sample ID: RNMW							
Project: Atex 213			Collection	Date: 5/2	Date: 5/2/2014 12:12:00 PM			
Lab ID: 1405097-011	Matrix: A	QUEOUS	Received	Date: 5/2	2/2014 3:15:00 PM			
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch		
EPA METHOD 8260B: VOLATILES					Analys	t: KJH		
Benzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Toluene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Ethylbenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Methyl tert-butyl ether (MTBE)	31	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Naphthalene	ND	2.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
1-Methylnaphthalene	ND	4.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
2-Methylnaphthalene	ND	4.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Acetone	ND	10	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Bromobenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Bromodichloromethane	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Bromoform	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Bromomethane	ND	3.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
2-Butanone	ND	10	µg/L	1	5/8/2014 4:53:12 AM	R1846		
Carbon disulfide	ND	10	µg/L	1	5/8/2014 4:53:12 AM	R1846		
Carbon Tetrachloride	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
Chlorobenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
Chloroethane	ND	2.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Chloroform	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Chloromethane	ND	3.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
2-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
4-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
cis-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
Dibromochloromethane	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
Dibromomethane	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
1,2-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
1,3-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
1,4-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
Dichlorodifluoromethane	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
1,1-Dichloroethane	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
1,1-Dichloroethene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
1,2-Dichloropropane	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R1846		
1,3-Dichloropropane	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		
2,2-Dichloropropane	ND	2.0	µg/L	1	5/8/2014 4:53:12 AM	R18468		

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 Page 20 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysi	tory, Inc.			Date Reported: 5/14/20	014	
CLIENT: EA Engineering Project: Atex 213 Lab ID: 1405097-011	Motriy	C AQUEOUS		Date: 5/2	MW-3 /2014 12:12:00 PM /2014 3:15:00 PM	
Analyses	Result	RL Qual			Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: KJH
1,1-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
Hexachlorobutadiene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
2-Hexanone	ND	10	µg/L	1	5/8/2014 4:53:12 AM	R18468
Isopropylbenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
4-Methyl-2-pentanone	ND	10	μg/L	1	5/8/2014 4:53:12 AM	R18468
Methylene Chloride	ND	3.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
n-Butylbenzene	ND	3.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
n-Propylbenzene	1.1	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
sec-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
Styrene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
tert-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
trans-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
Trichlorofluoromethane	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
Vinyl chloride	ND	1.0	µg/L	1	5/8/2014 4:53:12 AM	R18468
Xylenes, Total	ND	1.5	µg/L	1	5/8/2014 4:53:12 AM	R18468
Surr: 1,2-Dichloroethane-d4	89.8	70-130	%REC	1	5/8/2014 4:53:12 AM	R18468
Surr: 4-Bromofluorobenzene	90.4	70-130	%REC	1	5/8/2014 4:53:12 AM	R18468
Surr: Dibromofluoromethane	95.6	70-130	%REC	1	5/8/2014 4:53:12 AM	R18468
Surr: Toluene-d8	86.5	70-130	%REC	1	5/8/2014 4:53:12 AM	R18468

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

\* Value exceeds Maximum Contaminant Level.

- E Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 21 of 36
- Р Sample pH greater than 2.
- Reporting Detection Limit RL

Date Reported: 5/14/2014

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering	Client Sample ID: NMW-4R						
Project: Atex 213			Collection	Date: 5/1	/2014 5:02:00 PM		
Lab ID: 1405097-012	Matrix: A	QUEOUS	Received	Date: 5/2	/2014 3:15:00 PM		
Analyses	Result	RL Qua	l Units	DF	Date Analyzed	Batch	
EPA METHOD 8260B: VOLATILES					Analys	t: KJH	
Benzene	8.0	1.0	µg/L	1	5/8/2014 5:21:10 AM	R1846	
Toluene	2.6	1.0	µg/L	1	5/8/2014 5:21:10 AM	R1846	
Ethylbenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R1846	
Methyl tert-butyl ether (MTBE)	11	1.0	µg/L	1	5/8/2014 5:21:10 AM	R1846	
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R1846	

Benzene	8.0	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Toluene	2.6	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Ethylbenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Methyl tert-butyl ether (MTBE)	11	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Naphthalene	ND	2.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1-Methylnaphthalene	ND	4.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
2-Methylnaphthalene	ND	4.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Acetone	ND	10	µg/L	1	5/8/2014 5:21:10 AM	R18468
Bromobenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Bromodichloromethane	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Bromoform	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Bromomethane	ND	3.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
2-Butanone	ND	10	µg/L	1	5/8/2014 5:21:10 AM	R18468
Carbon disulfide	ND	10	µg/L	1	5/8/2014 5:21:10 AM	R18468
Carbon Tetrachloride	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Chlorobenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Chloroethane	ND	2.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Chloroform	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Chloromethane	ND	3.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
2-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
4-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
cis-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Dibromochloromethane	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Dibromomethane	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,2-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,3-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,4-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
Dichlorodifluoromethane	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,1-Dichloroethane	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,1-Dichloroethene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,2-Dichloropropane	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
1,3-Dichloropropane	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
2,2-Dichloropropane	ND	2.0	µg/L	1	5/8/2014 5:21:10 AM	R18468
			717 022-55			

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

\* **Qualifiers:** Value exceeds Maximum Contaminant Level.

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 22 of 36
- Р Sample pH greater than 2.
- RL **Reporting Detection Limit**

Analytical Report Lab Order 1405097 Date Reported: 5/14/2014

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Atex 213

**Project:** 

Client Sample ID: NMW-4R Collection Date: 5/1/2014 5:02:00 PM

Lab ID: 1405097-012	Matrix: AQUEOUS		Received	Received Date: 5/2/2014 3:15:00 PM			
Analyses	Result	RL Qua	l Units	DF	Date Analyzed	Batch	
EPA METHOD 8260B: VOLATILES					Analys	t: KJH	
1,1-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
Hexachlorobutadiene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
2-Hexanone	ND	10	µg/L	1	5/8/2014 5:21:10 AM	R18468	
Isopropylbenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
4-Methyl-2-pentanone	ND	10	µg/L	1	5/8/2014 5:21:10 AM	R18468	
Methylene Chloride	ND	3.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
n-Butylbenzene	ND	3.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
n-Propylbenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
sec-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
Styrene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
tert-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
trans-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
Trichlorofluoromethane	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
Vinyl chloride	ND	1.0	µg/L	1	5/8/2014 5:21:10 AM	R18468	
Xylenes, Total	ND	1.5	µg/L	1	5/8/2014 5:21:10 AM	R18468	
Surr: 1,2-Dichloroethane-d4	85.9	70-130	%REC	1	5/8/2014 5:21:10 AM	R18468	
Surr: 4-Bromofluorobenzene	92.1	70-130	%REC	1	5/8/2014 5:21:10 AM	R18468	
Surr: Dibromofluoromethane	94.7	70-130	%REC	1	5/8/2014 5:21:10 AM	R18468	
Surr: Toluene-d8	90.1	70-130	%REC	1	5/8/2014 5:21:10 AM	R18468	

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

\* 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 Page 23 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit
- ample Reporti

#### Date Reported: 5/14/2014

Hall Environmental Analysis Laboratory, Inc.					Lab Order 1405097 Date Reported: 5/14/2014			
CLIENT: EA Engineering			Client Samp	le ID: W	-35			
Project: Atex 213			-		2/2014 1:25:00 PM			
Lab ID: 1405097-013	Matrix: A	OUEOUS			2/2014 3:15:00 PM			
Lab ID: 1403097-013	Matrix: A	QUEUUS	Received	Date: 5/2	2/2014 5:15:00 PM			
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch		
EPA METHOD 8260B: VOLATILES					Analys	t: KJH		
Benzene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Toluene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Ethylbenzene	7.5	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Naphthalene	94	2.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1-Methylnaphthalene	17	4.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
2-Methylnaphthalene	13	4.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Acetone	ND	10	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Bromobenzene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Bromodichloromethane	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Bromoform	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Bromomethane	ND	3.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
2-Butanone	ND	10	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Carbon disulfide	ND	10	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Carbon Tetrachloride	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Chlorobenzene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Chloroethane	ND	2.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
Chloroform	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
Chloromethane	ND	3.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
2-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
4-Chlorotoluene	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
cis-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
Dibromochloromethane	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
Dibromomethane	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
1,2-Dichlorobenzene	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
1,3-Dichlorobenzene	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
1,4-Dichlorobenzene	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
Dichlorodifluoromethane	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
1,1-Dichloroethane	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
1,1-Dichloroethene	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
1,2-Dichloropropane	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
1,3-Dichloropropane	ND	1.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
2,2-Dichloropropane	ND	2.0	μg/L	1	5/8/2014 6:17:07 AM	R18468		
			- 1.1.1					

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

- **Qualifiers:** \* Value exceeds Maximum Contaminant Level.
  - Е Value above quantitation range
  - J Analyte detected below quantitation limits
  - 0 RSD is greater than RSDlimit
  - R RPD outside accepted recovery limits
  - S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 24 of 36
- Р Sample pH greater than 2.
- RL Reporting Detection Limit

Date Reported: 5/14/2014

J					Date Reported. 5/14/20	14		
CLIENT: EA Engineering	Client Sample ID: W-35							
Project: Atex 213	<b>Collection Date:</b> 5/2/2014 1:25:00 PM							
Lab ID: 1405097-013	Matrix:	AQUEOUS	<b>Received</b>	Date: 5/2	2/2014 3:15:00 PM			
Analyses	Result	RL Qua	l Units	DF	Date Analyzed	Batch		
EPA METHOD 8260B: VOLATILES					Analys	t: KJH		
1,1-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Hexachlorobutadiene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
2-Hexanone	ND	10	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Isopropylbenzene	21	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
4-Methyl-2-pentanone	ND	10	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Methylene Chloride	ND	3.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
n-Butylbenzene	7.8	3.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
n-Propylbenzene	54	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
sec-Butylbenzene	4.5	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Styrene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
tert-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
trans-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Trichlorofluoromethane	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Vinyl chloride	ND	1.0	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Xylenes, Total	ND	1.5	µg/L	1	5/8/2014 6:17:07 AM	R18468		
Surr: 1,2-Dichloroethane-d4	89.0	70-130	%REC	1	5/8/2014 6:17:07 AM	R18468		
Surr: 4-Bromofluorobenzene	90.3	70-130	%REC	1	5/8/2014 6:17:07 AM	R18468		
Surr: Dibromofluoromethane	93.8	70-130	%REC	1	5/8/2014 6:17:07 AM	R18468		
Surr: Toluene-d8	89.7	70-130	%REC	1	5/8/2014 6:17:07 AM	R18468		

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

\* Value exceeds Maximum Contaminant Level.

Hall Environmental Analysis Laboratory, Inc.

- 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 Page 25 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Date Reported: 5/14/2014

#### **CLIENT:** EA Engineering Client Sample ID: W-36 **Project:** Atex 213 Collection Date: 5/2/2014 11:11:00 AM Lab ID: 1405097-014 Matrix: AQUEOUS Received Date: 5/2/2014 3:15:00 PM Analyses Result **RL** Qual Units **DF** Date Analyzed Batch **EPA METHOD 8260B: VOLATILES** Analyst: KJH Benzene ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 Toluene ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 Ethylbenzene 2.4 1.0 1 µg/L 5/8/2014 7:13:08 AM R18468 Methyl tert-butyl ether (MTBE) ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 1,2,4-Trimethylbenzene 1.3 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 1,3,5-Trimethylbenzene ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 1,2-Dichloroethane (EDC) ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 1,2-Dibromoethane (EDB) ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 Naphthalene 12 2.0 1 5/8/2014 7:13:08 AM µg/L R18468 1-Methylnaphthalene ND 4.0 µg/L 1 5/8/2014 7:13:08 AM R18468 2-Methylnaphthalene ND 4.0 µg/L 1 5/8/2014 7:13:08 AM R18468 Acetone ND 10 µg/L 1 5/8/2014 7:13:08 AM R18468 Bromobenzene ND 1.0 5/8/2014 7:13:08 AM µg/L 1 R18468 Bromodichloromethane ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 Bromoform ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 Bromomethane ND 3.0 µg/L 1 5/8/2014 7:13:08 AM R18468 2-Butanone ND 10 1 µg/L 5/8/2014 7:13:08 AM R18468 Carbon disulfide ND 10 µg/L 1 5/8/2014 7:13:08 AM R18468 Carbon Tetrachloride ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 Chlorobenzene ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 Chloroethane ND 2.0 µg/L 1 5/8/2014 7:13:08 AM R18468 Chloroform ND 1.0 1 µg/L 5/8/2014 7:13:08 AM R18468 Chloromethane ND 3.0 µg/L 1 5/8/2014 7:13:08 AM R18468 2-Chlorotoluene ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 4-Chlorotoluene ND 1.0 1 5/8/2014 7:13:08 AM µg/L R18468 cis-1,2-DCE ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 cis-1,3-Dichloropropene ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 1,2-Dibromo-3-chloropropane ND 2.0 1 5/8/2014 7:13:08 AM µg/L R18468 Dibromochloromethane ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 Dibromomethane ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 1.2-Dichlorobenzene ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 1,3-Dichlorobenzene ND 1.0 1 5/8/2014 7:13:08 AM µg/L R18468 1,4-Dichlorobenzene ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 Dichlorodifluoromethane ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 1,1-Dichloroethane ND 1.0 1 5/8/2014 7:13:08 AM µg/L R18468 1,1-Dichloroethene ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 1,2-Dichloropropane ND 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468 ND 1,3-Dichloropropane 1.0 µg/L 1 5/8/2014 7:13:08 AM R18468

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

2.0

µg/L

ND

Qualifiers: \* Value exceeds Maximum Contaminant Level.

2,2-Dichloropropane

- E Value above quantitation range
- J Analyte detected below quantitation limits

Hall Environmental Analysis Laboratory, Inc.

- 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

1

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 26 of 36

5/8/2014 7:13:08 AM

R18468

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Date Reported: 5/14/2014

Han Environmental Analysis Laboratory, Inc.				Date Reported: 5/14/2014			
CLIENT: EA Engineering			Client Sampl	e ID: W	-36		
Project: Atex 213			Collection 1	Date: 5/2	2/2014 11:11:00 AM		
Lab ID: 1405097-014	Matrix:	AQUEOUS	Received 1	Date: 5/2	2/2014 3:15:00 PM		
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 8260B: VOLATILES					Analys	t: KJH	
1,1-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
Hexachlorobutadiene	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
2-Hexanone	ND	10	µg/L	1	5/8/2014 7:13:08 AM	R1846	
Isopropylbenzene	5.0	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
4-Methyl-2-pentanone	ND	10	µg/L	1	5/8/2014 7:13:08 AM	R1846	
Methylene Chloride	ND	3.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
n-Butylbenzene	ND	3.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
n-Propylbenzene	14	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
sec-Butylbenzene	1.8	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
Styrene	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
tert-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
trans-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
Trichlorofluoromethane	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
Vinyl chloride	ND	1.0	µg/L	1	5/8/2014 7:13:08 AM	R1846	
Xylenes, Total	ND	1.5	µg/L	1	5/8/2014 7:13:08 AM	R1846	
Surr: 1,2-Dichloroethane-d4	89.7	70-130	%REC	1	5/8/2014 7:13:08 AM	R1846	
Surr: 4-Bromofluorobenzene	91.2	70-130	%REC	1	5/8/2014 7:13:08 AM	R1846	
Surr: Dibromofluoromethane	93.4	70-130	%REC	1	5/8/2014 7:13:08 AM	R1846	
Surr: Toluene-d8	86.9	70-130	%REC	1	5/8/2014 7:13:08 AM	R1846	

#### Hall Environmental Analysis Laboratory, Inc.

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

Qualifiers:

\*

- Value exceeds Maximum Contaminant Level. Е Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 27 of 36
- Р Sample pH greater than 2.
- RL **Reporting Detection Limit**

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

**CLIENT:** EA Engineering

1405097-015

Project: Atex 213

Lab ID:

**Collection Date:** 

Client Sample ID: Trip Blank

Matrix: TRIP BLANK Received Date: 5/2/2014 3:15:00 PM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: KJH
Benzene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
Toluene	ND	1.0	∎g/L	1	5/8/2014 8:37:20 AM	R18468
Ethylbenzene	ND	1.0	Jug/L	1	5/8/2014 8:37:20 AM	R18468
Methyl tert-butyl ether (MTBE)	ND	1.0	∎g/L	1	5/8/2014 8:37:20 AM	R18468
1,2,4-Trimethylbenzene	ND	1.0	Jug/L	1	5/8/2014 8:37:20 AM	R18468
1,3,5-Trimethylbenzene	ND	1.0	Jug/L	1	5/8/2014 8:37:20 AM	R18468
1,2-Dichloroethane (EDC)	ND	1.0	∎ug/L	1	5/8/2014 8:37:20 AM	R18468
1,2-Dibromoethane (EDB)	ND	1.0	∎g/L	1	5/8/2014 8:37:20 AM	R18468
Naphthalene	ND	2.0	∎ug/L	1	5/8/2014 8:37:20 AM	R18468
1-Methylnaphthalene	ND	4.0	∎g/L	1	5/8/2014 8:37:20 AM	R18468
2-Methylnaphthalene	ND	4.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
Acetone	ND	10	Jug/L	1	5/8/2014 8:37:20 AM	R18468
Bromobenzene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
Bromodichloromethane	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
Bromoform	ND	1.0	ug/L	1	5/8/2014 8:37:20 AM	R18468
Bromomethane	ND	3.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
2-Butanone	ND	10	µg/L	1	5/8/2014 8:37:20 AM	R18468
Carbon disulfide	ND	10	µg/L	1	5/8/2014 8:37:20 AM	R18468
Carbon Tetrachloride	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
Chlorobenzene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
Chloroethane	ND	2.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
Chloroform	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
Chloromethane	ND	3.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
2-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
4-Chlorotoluene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
cis-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
Dibromochloromethane	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
Dibromomethane	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
1,2-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
1,3-Dichlorobenzene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
1,4-Dichlorobenzene	ND	1.0	∎g/L	1	5/8/2014 8:37:20 AM	R18468
Dichlorodifluoromethane	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468
1,1-Dichloroethane	ND	1.0	ug/L	1	5/8/2014 8:37:20 AM	R18468
1,1-Dichloroethene	ND	1.0	∎g/L	1	5/8/2014 8:37:20 AM	R18468
1,2-Dichloropropane	ND	1.0	∎g/L	1	5/8/2014 8:37:20 AM	R18468
1,3-Dichloropropane	ND	1.0	∎g/L	1	5/8/2014 8:37:20 AM	R18468
2,2-Dichloropropane	ND	2.0	∎ug/L	1	5/8/2014 8:37:20 AM	R18468

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 Page 28 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/14/2014

**CLIENT:** EA Engineering **Project:** Atex 213

1405097-015

Lab ID:

Matrix: TRIP BLANK Received Date: 5/2/2014 3:15:00 PM

**Collection Date:** 

Client Sample ID: Trip Blank

Analyses	Result RL Qual Units				Date Analyzed	Batch	
EPA METHOD 8260B: VOLATILES					Analys	t: KJH	
1,1-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
Hexachlorobutadiene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
2-Hexanone	ND	10	µg/L	1	5/8/2014 8:37:20 AM	R18468	
Isopropylbenzene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
4-Isopropyltoluene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
4-Methyl-2-pentanone	ND	10	µg/L	1	5/8/2014 8:37:20 AM	R18468	
Methylene Chloride	ND	3.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
n-Butylbenzene	ND	3.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
n-Propylbenzene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
sec-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
Styrene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
tert-Butylbenzene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
trans-1,2-DCE	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
1,1,1-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
1,1,2-Trichloroethane	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
Trichloroethene (TCE)	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
Trichlorofluoromethane	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
1,2,3-Trichloropropane	ND	2.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
Vinyl chloride	ND	1.0	µg/L	1	5/8/2014 8:37:20 AM	R18468	
Xylenes, Total	ND	1.5	µg/L	1	5/8/2014 8:37:20 AM	R18468	
Surr: 1,2-Dichloroethane-d4	89.7	70-130	%REC	1	5/8/2014 8:37:20 AM	R18468	
Surr: 4-Bromofluorobenzene	88.7	70-130	%REC	1	5/8/2014 8:37:20 AM	R18468	
Surr: Dibromofluoromethane	96.4	70-130	%REC	1	5/8/2014 8:37:20 AM	R18468	
Surr: Toluene-d8	88.8	70-130	%REC	1	5/8/2014 8:37:20 AM	R18468	

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

Qualifiers:	
-------------	--

\*

- Value exceeds Maximum Contaminant Level. Е Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 29 of 36
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Client: Project:

EA Engineering

Project: Atex 21	3								
Sample ID MB-12995	SampType:	MBLK	Tes	tCode: EF	PA Method	8015D: Dies	el Range C	Organics	
Client ID: PBS	Batch ID:	12995	R	anNo: 18	3374				
Prep Date: 5/5/2014	Analysis Date:	5/5/2014	S	eqNo: 53	30743	Units: mg/k	٢g		
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
viesel Range Organics (DRO)	ND	10							
fotor Oil Range Organics (MRO)	ND	50							
Surr: DNOP	8.2	10.00		81.9	57.9	140			
Sample ID LCS-12995	SampType	LCS	Tes	tCode: EF	PA Method	8015D: Dies	el Range C	Organics	
Client ID: LCSS	Batch ID:	12995	F	RunNo: 18	3374				
Prep Date: 5/5/2014	Analysis Date:	5/5/2014	SeqNo: 530744 Units: mg/Kg						
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10 50.00	0	88.0	60.8	145			
Surr: DNOP	3.9	5.000		78.0	57.9	140			
Sample ID 1405097-001AM	S SampType	MS	Tes	tCode: EF	PA Method	8015D: Dies	el Range (	Organics	
Client ID: IDW-Atez 213	Batch ID:	12995	F	RunNo: 18	8405				
Prep Date: 5/5/2014	Analysis Date:	5/6/2014	5	SeqNo: 5	31853	Units: mg/k	٢g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	68	10 50.00	20.90	95.2	40.1	152			
Surr: DNOP	5.3	5.000		107	57.9	140			
Sample ID 1405097-001AM	SD SampType	: MSD	Tes	tCode: EF	PA Method	8015D: Dies	el Range (	Organics	
Client ID: IDW-Atez 213	Batch ID:	12995	F	RunNo: 18	8405				
Prep Date: 5/5/2014	Analysis Date:	5/6/2014	S	SeqNo: 5	31854	Units: mg/l	٢g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10 50.00	20.90	80.0	40.1	152	11.7	32.1	
Surr: DNOP	5.2	5.000		104	57.9	140	0	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

Page 30 of 36

Client: Project: EA Engineering Atex 213

Sample ID MB-12999	CompT	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range												
Sample ID MIB-12999	Sampi	ype. Wic	DLK	Tes		A Method	8015D: Gaso	line Rang	e					
Client ID: PBS	Batch	ID: 12	999	R	lunNo: 1	8443								
Prep Date: 5/5/2014	Analysis D	ate: 5/	6/2014	S	eqNo: 5	32566	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Gasoline Range Organics (GRO)	ND	5.0												
Surr: BFB	880		1000		88.4	74.5	129							
Sample ID LCS-12999	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e					
Client ID: LCSS	Batch	ID: 12	999	F	RunNo: 1	8443								
Prep Date: 5/5/2014	Analysis D	ate: 5/	6/2014	S	SeqNo: 5	32567	Units: mg/k	(g						
				SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Analyte	Result	PQL	SPK value	SI KIKel val	/urteo			Joi a D		Quai				
Analyte Gasoline Range Organics (GRO)	Result 23	PQL 5.0	25.00	0	91.0	71.7	134	7014112	ru benne	Quui				

- \* 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.

**Client: Project:**  EA Engineering Atex 213

			and the second sec										
Sample ID MB-12999	SampT	ype: ME	BLK	Tes	Code: El	PA Method	8021B: Volat	tiles					
Client ID: PBS	Batch	n ID: 129	999	F	unNo: 1	8443							
Prep Date: 5/5/2014	Analysis D	ate: 5/	6/2014	S	eqNo: 5	32595	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Methyl tert-butyl ether (MTBE)	ND	0.10											
Benzene	ND	0.050											
Toluene	ND	0.050											
Ethylbenzene	ND	0.050											
Xylenes, Total	ND	0.10											
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120						
Sample ID LCS-12999	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles					
Sample ID LCS-12999 Client ID: LCSS		ype: LC			tCode: El RunNo: 1		8021B: Volat	tiles					
		n ID: 12	999	F		8443	8021B: Volat Units: mg/K						
Client ID: LCSS	Batc	n ID: 12	999 6/2014	F	RunNo: 1	8443			RPDLimit	Qual			
Client ID: LCSS Prep Date: 5/5/2014	Batcl Analysis [	n ID: <b>12</b> 9 Date: <b>5</b> /	999 6/2014	F	RunNo: 1 SeqNo: 5	8443 32596	Units: mg/K	(g	RPDLimit	Qual			
Client ID: LCSS Prep Date: 5/5/2014 Analyte	Batc Analysis I Result	n ID: <b>12</b> Date: <b>5</b> / PQL	999 6/2014 SPK value	F S SPK Ref Val	RunNo: 1 SeqNo: 5 %REC	8443 32596 LowLimit	Units: <b>mg/K</b> HighLimit	(g	RPDLimit	Qual			
Client ID: LCSS Prep Date: 5/5/2014 Analyte Methyl tert-butyl ether (MTBE)	Batcl Analysis I Result 1.3	n ID: <b>12</b> 9 Date: <b>5</b> / PQL 0.10	999 6/2014 SPK value 1.000	F S SPK Ref Val 0	RunNo: 1 SeqNo: 5 %REC 125	8443 32596 LowLimit 64.5	Units: mg/K HighLimit 131	(g	RPDLimit	Qual			
Client ID: LCSS Prep Date: 5/5/2014 Analyte Methyl tert-butyl ether (MTBE) Benzene	Batch Analysis E Result 1.3 1.1	n ID: <b>12</b> Date: <b>5</b> / PQL 0.10 0.050	6/2014 6/2014 SPK value 1.000 1.000	F S SPK Ref Val 0 0	RunNo: 1 SeqNo: 5 %REC 125 114	8443 32596 LowLimit 64.5 80	Units: mg/K HighLimit 131 120	(g	RPDLimit	Qual			
Client ID: LCSS Prep Date: 5/5/2014 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene	Batcl Analysis E Result 1.3 1.1 1.1	n ID: 129 Date: 5/ PQL 0.10 0.050 0.050	6/2014 6/2014 SPK value 1.000 1.000 1.000	F S SPK Ref Val 0 0 0	RunNo: 1 SeqNo: 5 <u>%REC</u> 125 114 107	8443 32596 LowLimit 64.5 80 80	Units: mg/K HighLimit 131 120 120	(g	RPDLimit	Qual			

- \* Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2.
- RL **Reporting Detection Limit**

- Page 32 of 36

Hall Environm	ental Anal	ysis I	Laborat	ory, Inc.					WO#:	1405097 14-May-14
	Engineering ex 213									
Sample ID 5mL-rb	Samp	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batc	h ID: <b>R1</b>	8468	F	RunNo: 1	8468				
Prep Date:	Analysis [	Date: 5/	7/2014	5	SeqNo:	533266	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		2.0								
Dibromochloromethane	ND 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								
	ND	1.0								

# **QC SUMMARY REPORT**

Qualifiers:

1,2-Dichloropropane

1,3-Dichloropropane

2,2-Dichloropropane

\* Value exceeds Maximum Contaminant Level.

ND

ND

ND

1.0

1.0

2.0

E Value above quantitation range

- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2. RL

Page 33 of 36

**Reporting Detection Limit** 

WO#: 1405097 14-May-14

**Client:** Project. EA Engineering Atox 213

Project: Atex 21	3											
Sample ID 5mL-rb	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8260B: VOL	ATILES				
Client ID: PBW	Batch	n ID: R1	8468	F	RunNo: 1	8468						
Prep Date:	Analysis D	)ate: 5/	7/2014	5	SeqNo: 5	33266	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	8.7		10.00		87.4	70	130					
Surr: 4-Bromofluorobenzene	9.1		10.00		90.9	70	130					
Surr: Dibromofluoromethane	9.1		10.00		91.3	70	130					
Surr: Toluene-d8	8.9		10.00		89.2	70	130					
Sample ID 100ng Ics	SampT	Type: LC	S	Tes	stCode: El	PA Method	8260B: VOL	ATILES				
Client ID: LCSW	Batch	h ID: <b>R1</b>	8468	F	RunNo: 1	8468						
Prep Date:	Analysis D	Date: 5/	7/2014		SeqNo: 5	33268	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	19	1.0	20.00	0	95.1	80	120					
Chlorobenzene	18	1.0	20.00	0	90.2	70	130					

#### **Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2.

Page 34 of 36

RL **Reporting Detection Limit** 

**Client:** Project. EA Engineering Atex 213

Project: Atex 213	3									
Sample ID 100ng Ics	SampT	ype: LC	s	Test	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: LCSW	Batch	ID: R1	8468	R	RunNo: 1	8468				
Prep Date:	Analysis D	ate: 5/	7/2014	S	eqNo: 5	33268	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit		HighLimit	%RPD	RPDLimit	Qual
,1-Dichloroethene	ethene 25 1.0 20.00 0 120		126	90	143					
richloroethene (TCE)	19	1.0	20.00	0	94.9	70	130			
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.2	70	130			
Surr: 4-Bromofluorobenzene	9.0		10.00		90.5	70	130			
Surr: Dibromofluoromethane	9.3		10.00		93.4	70	130			
Surr: Toluene-d8	8.7		10.00		86.8	70	130			
Sample ID 1405097-014a ms	s SampT	ype: MS	3	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: W-36	Batch	Batch ID: R18468 RunNo: 18468								
Prep Date:	Analysis D	ate: 5/	8/2014	S	SeqNo: 5	33290	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	12	1.0	20.00	0	60.2	70	130			S
oluene	11	1.0	20.00	0.1994	55.1	67.5	123			S
Chlorobenzene	10	1.0	20.00	0	52.5	70	130			S
I,1-Dichloroethene	14	1.0	20.00	0	67.9	81.9	134			S
Trichloroethene (TCE)	11	1.0	20.00	0	55.5	70	130			S
Surr: 1,2-Dichloroethane-d4	9.3		10.00		93.0	70	130			
Surr: 4-Bromofluorobenzene	9.0		10.00		90.4	70	130			
Surr: Dibromofluoromethane	9.4		10.00		94.4	70	130			
Surr: Toluene-d8	8.8		10.00		88.1	70	130			
Sample ID 1405097-014a m	sd SampT	ype: MS	SD	Tes	tCode: E	PA Method	8260B: VOL	ATILES		
Client ID: W-36	Batch	n ID: <b>R1</b>	8468	F	RunNo: 1	8468				
Prep Date:	Analysis D	)ate: 5/	8/2014	S	SeqNo: 5	33291	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	14	1.0	20.00	0	68.3	70	130	12.6	20	S
Toluene	12	1.0	20.00	0.1994	60.3	67.5	123	8.93	20	S
Chlorobenzene	12	1.0	20.00	0	57.6	70	130	9.29	20	S
,1-Dichloroethene	15	1.0	20.00	0	76.5	81.9	134	12.0	20	S
richloroethene (TCE)	12	1.0	20.00	0	59.8	70	130	7.34	20	S
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.0	70	130	0	0	
Surr: 4-Bromofluorobenzene	8.9		10.00		89.2	70	130	0	0	
Surr: Dibromofluoromethane	9.7		10.00		96.8	70	130	0	0	
Surr: Toluene-d8	8.7		10.00		87.0	70	130	0	0	

#### **Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Page 35 of 36

Р Sample pH greater than 2. RL **Reporting Detection Limit** 

Client: EA Project: Ate

Sample ID MB-13099	SampTy	pe: ME	BLK	Tes	PA Method	6010B: Soil I	Metals						
Client ID: PBS	Batch	Batch ID: 13099 RunNo: 18564											
Prep Date: 5/9/2014	Analysis Da	ate: 5/	13/2014	S	eqNo: 5	36217	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Lead	ND	0.25											
Sample ID LCS-13099	SampTy	pe: LC	s	Tes	tCode: EF	PA Method	6010B: Soil	Metals					
Client ID: LCSS	Batch	ID: 13	099	F	RunNo: 18	3564							
Prep Date: 5/9/2014	Analysis Da	ate: 5/	13/2014	S	SeqNo: 5	36245	Units: mg/K	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Lead	25	0.25	25.00	0	99.4	80	120						

#### 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

Page 36 of 36

	4 40 50			RcptNo:	4
Client Name: EA Engineering Alb Work Order Numbe	er: 14050	97		RCPINO:	1
Received by/date:		18 (B			
Logged By: Lindsay Mangin 5/2/2014 3:15:00 PM	Ì		June Hange		
Completed By: Lindsay Mangin 5/2/2014 3:26:36 PM	l		Junahy Hopogo		
Reviewed By: US OSTOSTIU			000		
Chain of Custody					
1. Custody seals intact on sample bottles?	Yes	<u>.                                    </u>	No	Not Present 🗴	
2. Is Chain of Custody complete?	Yes		No	Not Present	
3. How was the sample delivered?	Clien	t			
Log In					
4. Was an attempt made to cool the samples?	Yes		No	NA	
					1
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes	V	No 🛄	NA ELI	
6. Sample(s) in proper container(s)?	Yes		No		
7. Sufficient sample volume for indicated test(s)?	Yes	<b>:</b>	No		
8. Are samples (except VOA and ONG) properly preserved?	Yes		No		
9. Was preservative added to bottles?	Yes		No 🗹	ŇA	
10.VOA vials have zero headspace?	Yes	2	No L_	No VOA Vials	
11. Were any sample containers received broken?	Yes	F7	No 🔽		
				# of preserved bottles checked	
12. Does paperwork match bottle labels?	Yes	V	No	for pH:	or >12 unless no
(Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of Custody?	Yes	V	Noli	Adjusted?	
14. Is it clear what analyses were requested?	Yes		No		
15. Were all holding times able to be met?	Yes	Y	No	Checked by:	
(If no, notify customer for authorization.)					
<u>Special Handling (if applicable)</u> 16 Was client notified of all discrepancies with this order?	Yes	П	No 🗌	NA 🗸	
r	Contraction of the local division of the loc	i1			!
Person Notified: Date: By Whom: Via:	eMa	11 <sup>11 1</sup>	Phone Fax	In Person	:
Regarding:					8
Client Instructions:					
17. Additional remarks:					
18. <u>Cooler Information</u>					
Cooler No Temp C Condition Seal Intact Seal No	Seal Da	ate	Signed By		
1 5.5 Good Not Present					

÷,

Chain-of-Custody Record			Turn-Around Time:						ŀ			E	) NV	TE	) 20	N	ME	NT	AL		
Client:	SA-	Engh	neering	Standard	🗆 Rush				F											DR	
2	2		) Ave Ste 1210	Project Name		•			-						ment						
Mailing	Address		1. NM 87102	Atex	213	> .	- 4	49(	01 H									109			
255		340		Project #	15-2	.0		Τe	el. 50	5-34	5-39		-		505-		and the second value of th	7	-		
Phone	#:50	5-2	24-9013	121	10 0						Ser.	A	naly		Req	ues	t				
email o	r Fax#:	505-	224-9016	Project Mana	ger:		TMB's ( <u>802</u> 1)	(fluc	R					SO4)	Ś						
QA/QC	Package: Idard	×	Level 4 (Full Validation)	Gary Desselle				(Gas (	RO / M			(SIMS)		PO4,5	2 PCB's			0			
Accreditation			Sampler: Lane Andress				Hd	. ]	1(1)	<del>,</del>	8270		NO.	808			0			î	
NELAP     Other				Z Yes	No	+	Ŧ	S.	418	504	or 82	s	VO3,	es /		(VA)	6			Y or	
	) (Type) _			Sample Tem	perature: 🥱	.5	+ MTBE	ITB	B	poq	poq	10	<b>deta</b>	,CI,I	ticid	(YO		EPA			es (
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO	BTEX + N	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	<b>RCRA 8 Metals</b>	Anions (F,CI,NO <sub>3</sub> ,NO <sub>2</sub> ,PO <sub>4</sub> ,SO <sub>4</sub> )	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)	1 ad 1			Air Bubbles (Y or N)
Boliy	1438	Sail	IDW-Afex 213	HE JUC(1)	NONE	-001	X		X									X			
1,114	1552	inoda		3)VOA	Haclz	-007										X		Í			1910
TIN	132/64	6/0	MW-2	1	10/2	-003										1					
5/114	1465	25	MW-3			-004										$\mathbf{)}$					
5/1/14	1638	1642	MW4R			-005									3						
71/14	1629	1455	MW-GR			-006															
1114	1424	14358	MW-38			-007															$\perp$
1,114	1005	1515	36-2			-008										$\downarrow$					$\perp$
12/14	+1234	1252	NMW-1			-009						_									$\perp$
12/14	11.00	1142	RNMW-2			-010										4					
0/14	1202	1212	RNMW-3			-011				•											_
11/14	1658	1702	NMW-4R/	V	V	-012										V					
Date:	Time: 1575	Relinquish	ed by:	Received by	×.	Date Time 05/02/14 1515	Rer	nark	s:		1	М	1.	2	~					1	
Date:	Time:	Relinquish	ed by:	Received by:	N	Date Time	1				l	/	0					ſ	H	915/05	;119
			/					A	U	- T	141	EC	DRI	ZFC	101	20	REE	·LA	NE		

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.

.

	Unall	1-01-0	usioay recora		u Ime.		7															
Client: EA Engineering					Standard D Rush												ME					
320 Gold Ave Ste 1210				Project Name:				ANALYSIS LABORATORY														
Mailing Address: ABQ, NM 87102-				AFOX 213			www.hallenvironmental.com															
ABX INT 07100					Project#: PO-#				4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107													
Phone #: 224-9013					12145-20				. 505	-345-3		-			The local division in which the	-410	7					
email or Fax#: 224-9016				Project Man	Project Manager:			Analysis Request														
QA/QC Package:				Gary Desselle			s (8021)	Gas onlý)	0 / MRO)		SIMS)		04,SO4	PCB's								
Accreditation				Sampler:	Sampler: Lance Andress			TPH (Gas		=	70 SI		VO2,F	8082					-			
□ NELAP □ Other				On Ice: Ves D No Sample Temperature: S					RO 110	504.	r 82	ß	03,N			(A)	12		or N/			
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative		BTEX + MTBE	BTEX + MTBE	TPH /Mathod /18 1	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO <sub>3</sub> ,NO <sub>2</sub> ,PO <sub>4</sub> ,SO <sub>4</sub> )	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (V			
1/2/14	+710	1325 A9	W-35	(3) VOA	Haciz	HOUT -				<u>. ј ш</u>	<u> </u>	<u></u>	∢	<u></u>	$\nabla$	8		+				
5/2/14	1056	Ag	W-36	11	1	-014			+-	+-		-+	-+	-	2	-+		++				
· / ·	Int	0	TEIPBEANK	ZNOA	Haciz	-015	$\left  \right $		-			_	-	-4	17		_	+ +				
	120	\$105/121			1.5012		+		+-						X	-+		+				
	14	5.0024		12k			$\left  - \right $	_	+	+		-	_		$\rightarrow$	-+		┼─┼				
	V			HT-			++			+	-+	-+		_	_	_		+ +				
2. L.A.	- Maria de la como	Carlos y 1							+		-+	_	_	_	_	-	<u> </u>	+				
Aven	1.0000			+					+	$\left  - \right $	_	_	$\rightarrow$		_	+		$ \downarrow \downarrow$				
									+		_	-	-	_	_	-+		+				
							$\left  - \right $	_ -		-	$\rightarrow$											
1997 - 1997 1997 - 1997							$ \rightarrow $				-	_			_			$\downarrow$				
5/2/1	i f										_	_	_	+				+				
Date	Time:	Relinquishe	by:	Received by:	!	Date Time	Rem	arks:														
Date:	IS(S Time:	Relinquistie	1 by:	Received by:	to o	510244 1515 Date Time		uno.		Y	A	05	1051×	4 C	2	Ģ	1.	7	$\sim$			
If	necessary, s	amples subm	tted to Hall Environmental may be subc	ontracted to other acc	Credited Jahoratories	This serves as notice of this	Man-11. 11	AL	<u> </u>	TIN	E	ĊØ	KU	C	10	R	PET	<u>&gt;/a</u>	NE			
			a anna an tha ann an th	11	and a raboratories	a moserves as notice of this	possibil	ку. Апу	sub-cor	tracted	data w	ill be c	learly	notate	d on th	ne anal	ytical rep	ort.				