EA Engineering, Science, & Technology, Inc., PBC
320 Gold Avenue SW, Suite 1300
Albuquerque, New Mexico 87102
Phone: (505) 224-9013

July 12, 2021

.
Mr. Corey Jarrett
New Mexico Environment Department
Petroleum Storage Tank Bureau
121 Tijeras Avenue NE, Suite 1000
Albuquerque, New Mexico 87102

Dear Mr. Jarrett:

EA Engineering, Science, and Technology, Inc., PBC (EA) is pleased to submit the Annual Groundwater Monitoring Report for Atex 213 State Lead Site, located at 3501 Isleta Boulevard in Albuquerque, New Mexico. The enclosed report summarizes groundwater monitoring activities conducted at the site on June 21, 2021. All work was performed under EA's State Lead Contract #18-667-3200-0016 and in accordance with applicable requirements of New Mexico Administrative Code, Title 20, Chapter 5, Part 119 and EA standard operating procedures.

EA plans to invoice a reduced amount of $7,804.76 (including NMGRT of 7.785%) for Deliverable ID 4206-1. Monitoring wells MW-2 and BB-2 were not sampled. MW-2 could not be located, and BB-2 could not be sampled because an object was lodged in the well casing.

Please feel free to contact me at (505) 235-9037 if you have any questions regarding the information provided in this report.

Sincerely,

EA Engineering, Science, and Technology, Inc., PBC

Michael D. McVey, P.G., C.P.G.
Senior Hydrogeologist

Enclosure
Cc: File

ANNUAL GROUNDWATER MONITORING REPORT
ATEX 213
3501 ISLETA BOULEVARD
ALBUQUERQUE, NEW MEXICO

FACILITY #: 31815
REKEASE ID #: 28
WPID #: 4206

Prepared for:

New Mexico Environment Department
Petroleum Storage Tank Bureau
121 Tijeras Avenue NE, Suite 1000
Albuquerque, New Mexico 87102

Prepared by:

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

July 2021

EA Project No.6332224.01

STATEMENT OF FAMILIARITY

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

Signature: 

Name: Michael D. McVey, P.G., C.P.G.
Affiliation: EA Engineering, Science, and Technology, Inc., PBC
Title: Senior Hydrogeologist
Date: July 12, 2021

I. INTRODUCTION

EA Engineering, Science and Technology, Inc., PBC (EA) is pleased to submit the Annual Groundwater Monitoring Report for Atex 213 State Lead Site (the site), located at 3501 Isleta Boulevard in Albuquerque, New Mexico. Groundwater monitoring activities were conducted in accordance with EA's *Work Plan for Annual Groundwater Monitoring, ATEX 213, Albuquerque, New Mexico,* approved by the New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) on May 20, 2021 under work plan identification (WPID) number 4206. All work was completed in accordance with applicable requirements of New Mexico Administrative Code, Title 20, Chapter 5, Part 119 and EA standard operating procedures. This is the only deliverable under the approved work plan.

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

On June 17, 2021, EA measured fluid levels in all accessible site monitoring wells and collected groundwater samples from eight (8) monitoring wells, including MW-1R, MW-4R, MW-6RR, MW-38, NMW-1, NMW-4R, RNMW-2, and RNMW-3. Monitoring well MW-2 could not be located to sample and an object was lodged in the well casing of BB-2 preventing the well from being gauged or sampled.

Groundwater samples were analyzed for volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, and xylenes, methyl tertiary-butyl ether (MTBE), 1,2 dibromoethane (EDB), 1,2 dichloroethane (EDC), and total naphthalenes by U.S. Environmental Protection Agency (EPA) Method 8260B.

II. ACTIVITIES PERFORMED DURING THIS MONITORING PERIOD

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

A. Brief Description of Remediation System and Date Installed

Billings & Associates (BAI) 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 suffered from biofouling problems. It was subsequently shut down in late 1989. All remediation equipment has been removed from the site.

The corrective action activities that have been conducted at the site to date are summarized below:

- Souder, Miller & Associates (SMA) sampled the site in December 2006.
- EA completed semi-annual groundwater monitoring at the site from February 2012 through October 2013.
- EA performed additional monitoring well installation, well plugging and abandonment, and groundwater sampling in April and May 2014.
- In November 2014 during groundwater monitoring, it was noted that wells MW-1R, NMW-1, and RNMW-2 were damaged, and well MW-6R could not be located.
- In December 2014, damaged wells MW-1R, NMW-1, and RNMW-2 were repaired and MW-6R was replaced with a new monitoring well (MW-6RR).
- EA performed annual groundwater monitoring and a private and public well search in January 2017.
- Currently, EA is conducting groundwater monitoring at the site.

B. Description of Activities Performed to Keep System Operating Properly

Active remediation is not currently being conducted at the site. The remediation system that was operated at the site was shut down in late 1989. All remediation equipment has been removed from the site.

C. Monitoring Activities Performed

Fluid Level Gauging

On June 17, 2021, fluid levels were gauged in monitoring wells MW-1R, MW-4R, MW-6RR, MW-38, NMW-1, NMW-4R, RNMW-2, and RNMW-3 with an electronic water level meter to the nearest 0.01 foot. Monitoring well MW-2 could not be located and an object was lodged in the well casing of BB-2 preventing it from being gauged. Non-aqueous phase liquid (NAPL) was not present in any of the wells. Table 1 provides a summary of the current and historical groundwater gauging data collected from the monitoring network. A potentiometric surface map was prepared based on the gauging data and is included as Figure 2.

Groundwater Sampling Activities

The eight (8) monitoring wells listed above were purged and sampled with new, disposable polyethylene bailers after gauging on June 17, 2021. All equipment was decontaminated between wells with an Alconox™ solution to ensure sample quality. Purge water was ground discharged to an impervious surface. Sampling was accomplished by carefully pouring groundwater from the bailer into the laboratory-provided sample containers.

Field parameters were measured with a Hanna HI 98194 multi-parameter meter during purging and prior to sampling. Specific conductance, pH, and temperature were monitored and recorded on well sampling field forms provided in Appendix A and are summarized in Table 2. The meter was calibrated and/or checked against a standard in accordance with manufacturer's specifications prior to use.

Sample containers, preservatives, analytical methods, and holding times are specified in Table 3. Samples for VOC analysis were collected such that no headspace existed in the sample vial. All samples were preserved in accordance with method requirements, then immediately cooled to less than 6°C with ice and delivered under chain-of-custody to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico. The analytical laboratory report is provided in Appendix B.

Groundwater Analytical Results

Dissolved-phase hydrocarbon concentrations were above applicable New Mexico Water Quality Control Commission (NMWQCC) groundwater quality standards in 3 of the 8 sampled wells, including MW-1R, NMW-1, and RNMW-2. Wells NMW-1 ad RNMW-2 contained benzene at concentrations of 56 micrograms per liter (µg/L) and 13 µg/L, respectively, above the 5 µg/L standard. Well MW-1R contained a total naphthalenes concentration just above the 30 µg/L standard at 36.6 µg/L. None of the other sampled wells contained dissolved-phase hydrocarbon concentrations above either the laboratory method detection limits or applicable NMWQCC standards. Groundwater analytical laboratory results are summarized in Table 4.

D. System Performance and Effectiveness

Active remediation is not currently being conducted at the site. The remediation system that was operated at the site was shut down in late 1989. All remediation equipment has been removed from the site.

E. Statement Verifying Containment of Release

The actionable dissolved-phase benzene plume remains defined on-site. The actionable dissolved-phase total naphthalenes plume is limited to the area around well MW-1R during this monitoring event; however, during the last monitoring event in October 2019, well BB-2 contained a total naphthalenes concentration above the standard. This well could not be accessed for sampling during this monitoring event because the j-plug was missing, and an object was lodged in the well casing and could not be removed. Wells MW-3 (southwest corner of the site), BB-2 (south of the site), W-35 (north of the site), and W-36 (north of the site) all contained total naphthalene concentrations above the standard prior to being destroyed. None of these wells have been replaced. The downgradient extent of the total naphthalenes plume remains defined by well NMW-4R. The total naphthalenes plume, however, has not been defined cross-gradient to the southwest and remains undefined to the north.

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 Trends or Changes Noted in Analytical Results or Site Conditions

Groundwater levels beneath the site dropped an average of 0.19 foot in site wells since the last monitoring event in October 2019. Decreases ranged from 0.16 foot in MW-6RR and RNMW-2 to 0.23 foot in NMW-4R (Table 1). A hydrograph for select site wells is included in Appendix C. The overall direction of groundwater flow is to the south-southeast at an average gradient of approximately 0.001 foot per foot (ft/ft), increasing from 0.0008 ft/ft during the last monitoring event.

The following trends or changes were noted since the last monitoring event in October 2019:

NMW-1: The benzene concentration decreased from 84 µg/L to 56 µg/L and remains at the lower end of historical concentrations, which have ranged from a high of 1,100 µg/L to low of 52 µg/L. Benzene has exceeded the standard during every monitoring event dating back to April 2004 when the well was first sampled after having contained NAPL. The total naphthalenes concentration decreased slightly and remains below the standard for the third consecutive monitoring event.

RNMW-2: The benzene concentration decreased an order of magnitude from 120 µg/L to 13 µg/L. The total naphthalenes concentration decreased an order of magnitude from 80.2 µg/L to <8.0 µg/L and is once again below the standard after having exceeded the standard during the last monitoring event for only the second time since July 2005. Like the total naphthalenes concentration, MTBE decreased an order of magnitude from 110 µg/L to 44 µg/L and is once again below the standard.

MW-1R: The total naphthalenes concentration increased from 13 µg/L to just above the standard at 36.6 µg/L. Groundwater samples collected from the well last exceeded the standard in November 2014.

BB-2: The j-plug was missing, and an object was lodged in the well casing at approximately five feet below the top of casing preventing the well from being gauged or sampled. During the last monitoring event, the total naphthalenes concentration exceeded the standard at 232 µg/L for the first time since April 2004. Historical concentrations prior to the exceedance ranged from non-detect to a high of 17 µg/L.

MW-2: The well could not be located to sample. Concentrations of constituents of concern (COCs) have remained below either laboratory detection limits or NMWQCC standards in samples collected from the well since it was first sampled in January 1998.

MW-4R, MW-6RR, MW-38, RNMW-3, and NMW-4R: Concentrations of COCs in all of these wells remained either below laboratory method detection limits or NMWQCC standards.

The distribution of dissolved-phase hydrocarbons for the June 17, 2021 monitoring event is shown on Figure 3. Contaminant concentration trends for select COCs and wells are included in Appendix D.

B. Ongoing Assessment of Remediation System

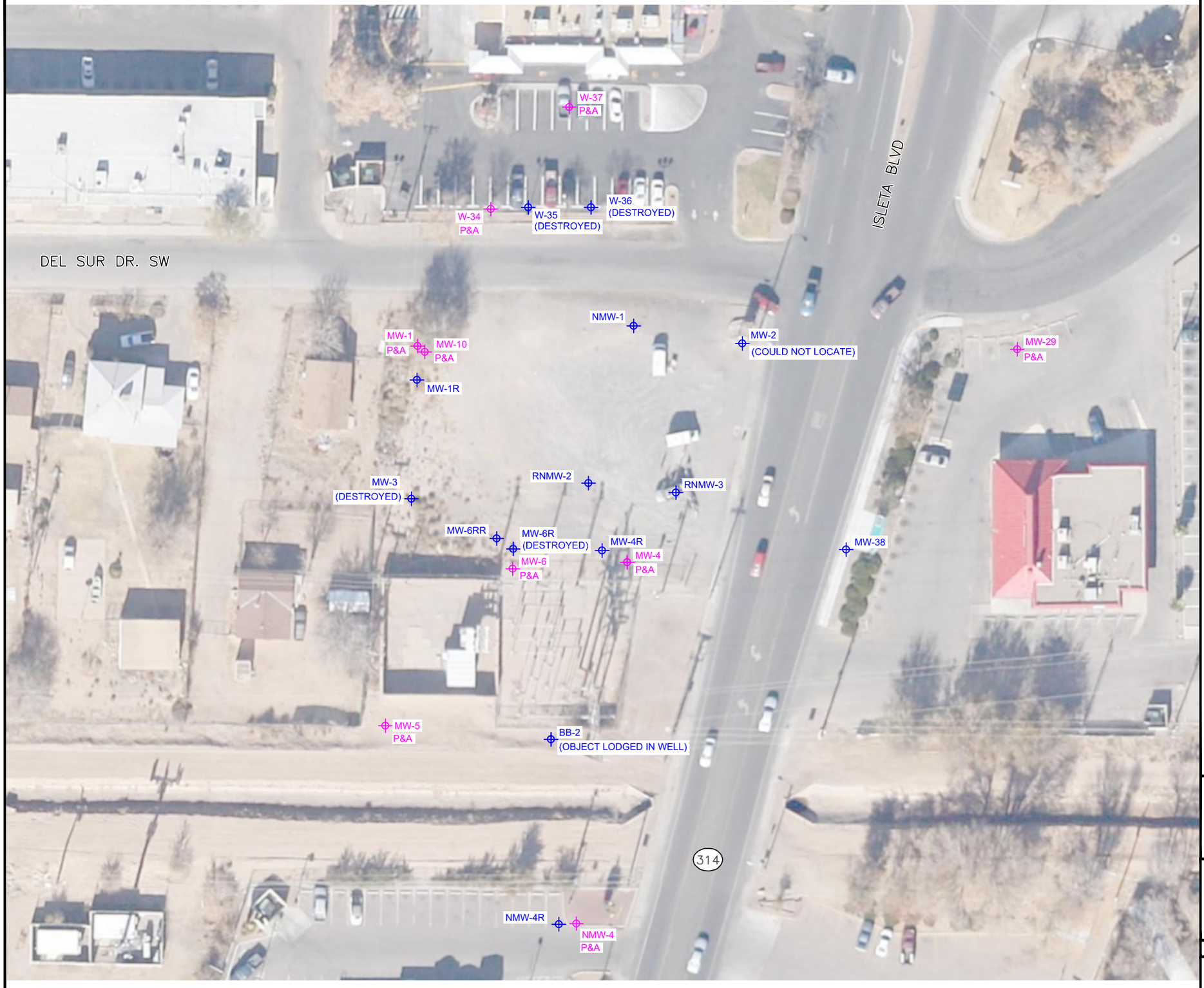
The remediation system installed by BAI was ineffective due to biofouling problems and was shut down permanently in late 1989. All remediation equipment has been removed from the site.

C. Recommendations

Based on the results of annual groundwater monitoring, EA recommends the following:

- Continued annual groundwater monitoring,
- Replace upgradient monitoring well W-35. Samples collected from this well consistently exceeded the standard for total naphthalenes prior to being destroyed.
- Install two new wells west and southwest of existing well MW-1R and destroyed well MW-3 to delineate the cross-gradient extent of the total naphthalenes plume. Samples collected from MW-1R exceeded the total naphthalenes standard during this monitoring event and samples collected from MW-3 consistently exceeded the standard for total naphthalenes prior to being destroyed.

FIGURES



LEGEND:

MW-2	MONITORING WELL
MW-6 P&A	MONITORING WELL PLUGGED AND ABANDONED

50 25 0 50

SCALE IN FEET

ATEX 213
ALBUQUERQUE, NEW MEXICO

FIGURE 1
SITE MAP

PROJECT #:	6332224	PROJECT PHASE:	01	PROJECT MANAGER:	LA

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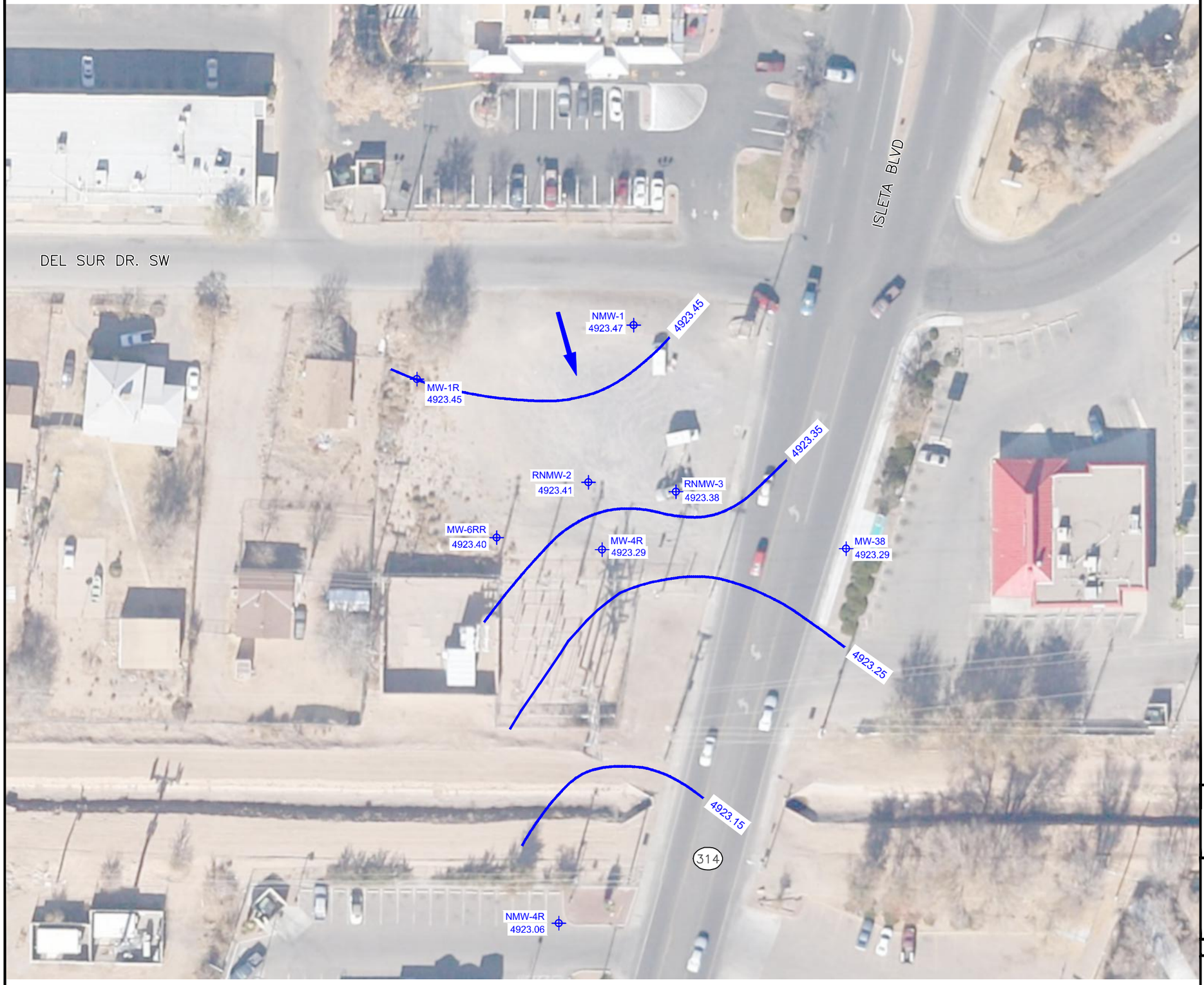
Albuquerque, NM 87102
EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC



LEGEND:

MW-1R 4923.45 — MONITORING WELL WITH POTENTIOMETRIC SURFACE ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)

4923.35 — POTENTIOMETRIC SURFACE ELEVATION CONTOUR IN FT AMSL

GROUNDWATER FLOW DIRECTION

50 25 0 50

SCALE IN FEET

ATEX 213
ALBUQUERQUE, NEW MEXICO

FIGURE 2
POTENTIOMETRIC SURFACE MAP
JUNE 2021

PROJECT #:	6332224	PROJECT PHASE:	01	PROJECT MANAGER:	LA

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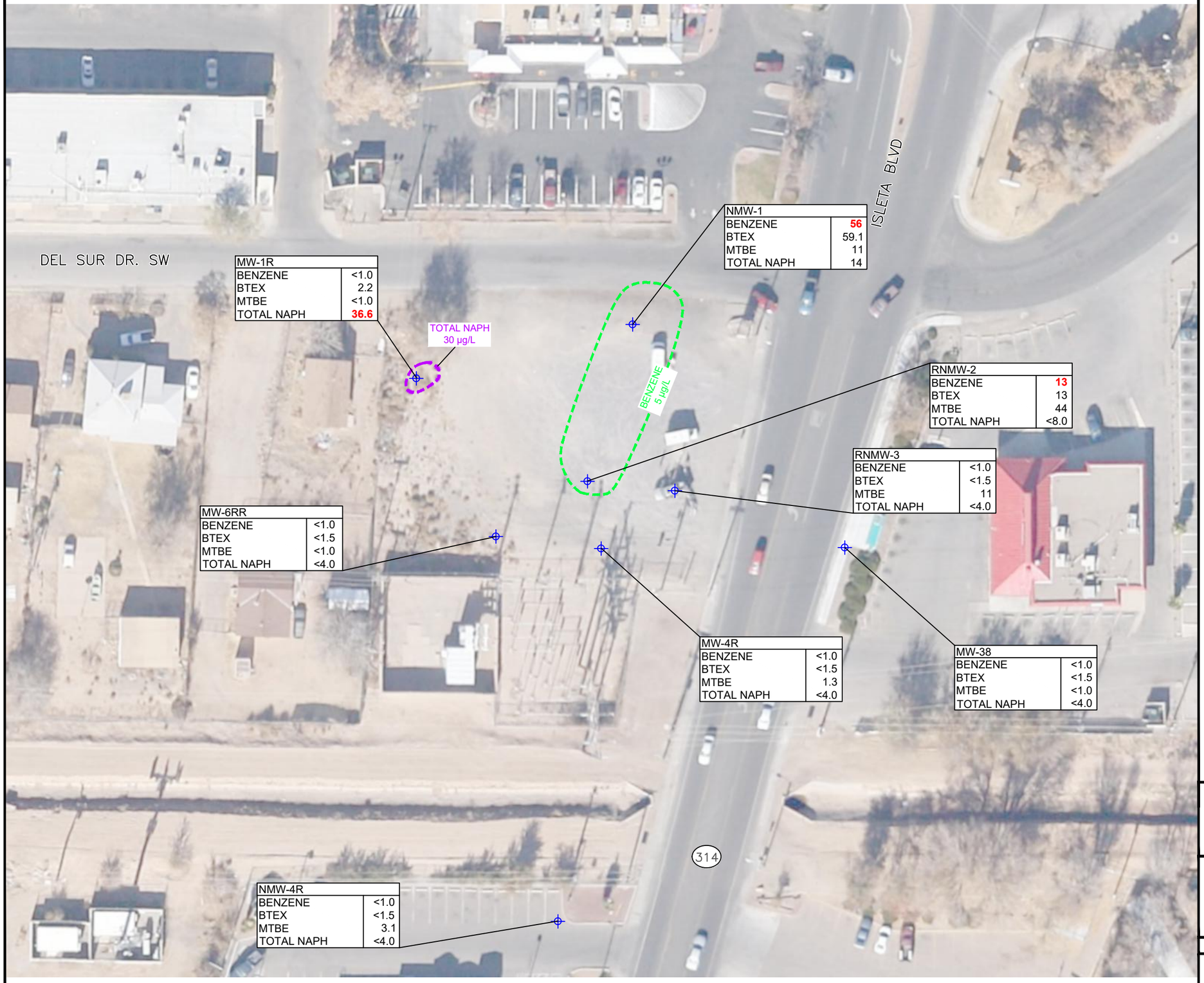

LEGEND:

MW-2	MONITORING WELL
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, TOTAL XYLENES
MTBE	METHYL TERTIARY-BUTYL ETHER
TOTAL NAPH	TOTAL NAPHTHALENES
- - - -	ESTIMATED EXTENT OF BENZENE (5 µg/L)
- - - -	ESTIMATED EXTENT OF TOTAL NAPHTHALENES (30 µg/L)

NOTES:

1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
2. **RED** INDICATES CONCENTRATIONS THAT EXCEED NEW MEXICO WATER QUALITY CONTROL COMMISSION (NMWQCC) STANDARDS.

N

50 25 0 50

SCALE IN FEET

ATEX 213
ALBUQUERQUE, NEW MEXICO

FIGURE 3
DISTRIBUTION OF DISSOLVED-PHASE HYDROCARBONS
JUNE 2021

PROJECT #:	6332224	PROJECT PHASE:	01	PROJECT MANAGER:	LA

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320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

TABLES

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

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
MW-1	29-Apr-14	4929.78	Well plugged and abandoned	
	1-Oct-13		Dry	NM
	25-Mar-13		Dry	NM
	22-Aug-12		Dry	NM
	21-Feb-12		Dry	NM
	26-Dec-06		Dry	NM
	25-Sep-06		Dry	NM
	17-May-06		Dry	NM
	31-Jan-06		Dry	NM
	3-Nov-05		Dry	NM
	28-Jul-05		Dry	NM
	22-Apr-04		9.25	4920.53
MW-1R	17-Jun-21	4932.08	8.63	4923.45
	10-Oct-19		8.45	4923.63
	20-Dec-17		8.87	4923.21
	17-Jan-17		8.98	4923.10
	19-May-15		8.86	4923.22
	17-Nov-14	***	9.19	4922.89
	2-May-14	4932.03	9.06	4923.02
MW-2	17-Jun-21	4934.72	Could not locate well	
	10-Oct-19		11.17	4923.55
	20-Dec-17		11.61	4923.11
	17-Jan-17		11.73	4922.99
	19-May-15		11.59	4923.13
	17-Nov-14		11.96	4922.76
	2-May-14		11.74	4922.98
	1-Oct-13		11.64	4923.08
	25-Mar-13		11.96	4922.76
	22-Aug-12		11.68	4923.04
	21-Feb-12		12.13	4922.59
	26-Dec-06		11.94	4922.78
	25-Sep-06		11.82	4922.90
	17-May-06		11.72	4923.00
	31-Jan-06		12.27	4922.45
	3-Nov-05		11.45	4923.27
	28-Jul-05		11.39	4923.33
	22-Apr-04		11.43	4923.29
MW-3	17-Jun-21	4932.98	Well destroyed	
	10-Oct-19		Could not locate well	
	20-Dec-17		9.87	4923.11
	17-Jan-17		9.98	4923.00

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

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
MW-3 (cont.)	19-May-15		9.82	4923.16
	17-Nov-14		10.19	4922.79
	2-May-14		10.00	4922.98
	1-Oct-13		9.80	4923.18
	25-Mar-13		10.25	4922.73
	22-Aug-12		9.92	4923.06
	21-Feb-12		10.42	4922.56
	26-Dec-06		10.27	4922.71
	25-Sep-06		10.05	4922.93
	17-May-06		10.02	4922.96
	31-Jan-06		10.57	4922.41
	3-Nov-05		9.78	4923.20
	28-Jul-05		9.65	4923.33
	22-Apr-04		9.71	4923.27
MW-4	29-Apr-14	4932.55	Well plugged and abandoned	
	1-Oct-13		Well destroyed	
	25-Mar-13		12.64	4919.91
	22-Aug-12		12.32	4920.23
	21-Feb-12		12.81	4919.74
	26-Dec-06		12.64	4919.91
	25-Sep-06		12.42	4920.13
	17-May-06		12.35	4920.20
	31-Jan-06		12.94	4919.61
	3-Nov-05		12.19	4920.36
	28-Jul-05		12.03	4920.52
	22-Apr-04		12.07	4920.48
MW-4R	17-Jun-21	4933.42	10.13	4923.29
	10-Oct-19		9.94	4923.48
	20-Dec-17		10.39	4923.03
	17-Jan-17		10.57	4922.85
	19-May-15		10.36	4923.06
	17-Nov-14		10.74	4922.68
	2-May-14		10.56	4922.86
MW-5	1-May-14	4931.85	Well plugged and abandoned	
	1-Oct-13		Dry	NM
	25-Mar-13		Dry	NM
	22-Aug-12		Dry	NM
	21-Feb-12		Dry	NM
	26-Dec-06		11.54	4920.31
	25-Sep-06		11.15	4920.70
	17-May-06		11.12	4920.73

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

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
MW-5 (cont.)	31-Jan-06		11.83	4920.02
	3-Nov-05		11.00	4920.85
	28-Jul-05		10.78	4921.07
	22-Apr-04		11.44	4920.41
MW-6	29-Apr-14	4931.51	Well plugged and abandoned	
	1-Oct-13		13.18	4918.33
	25-Mar-13		13.14	4918.37
	22-Aug-12		13.00	4918.51
	21-Feb-12		11.58	4919.93
	26-Dec-06		11.89	4919.62
	25-Sep-06		11.37	4920.14
	17-May-06		11.31	4920.20
	31-Jan-06		11.92	4919.59
	3-Nov-05		11.22	4920.29
	28-Jul-05		11.03	4920.48
	22-Apr-04		11.04	4920.47
MW-6R	17-Nov-14	4934.26	Well destroyed	
	2-May-14		11.36	4922.90
MW-6RR	17-Jun-21	4933.90	10.50	4923.40
	10-Oct-19		10.34	4923.56
	20-Dec-17		10.78	4923.12
	17-Jan-17		10.90	4923.00
	19-May-15		10.73	4923.17
	22-Dec-14	‡	11.20	4922.70
MW-10	22-Apr-04	4930.98	Well plugged and abandoned	
MW-29	1-May-14	4930.19	Well plugged and abandoned	
	1-Oct-13		9.81	4920.38
	25-Mar-13		10.11	4920.08
	22-Aug-12		9.87	4920.32
	21-Feb-12		10.32	4919.87
	26-Dec-06		11.14	4919.05
	25-Sep-06		10.01	4920.18
	17-May-06		9.89	4920.30
	31-Jan-06		10.45	4919.74
	3-Nov-05		9.66	4920.53
	28-Jul-05		9.56	4920.63
	22-Apr-04		9.60	4920.59
MW-38	17-Jun-21	4931.87	8.58	4923.29
	10-Oct-19		8.36	4923.51
	20-Dec-17		8.83	4923.04
	17-Jan-17		8.96	4922.91

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

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
MW-38 (cont.)	19-May-15		8.78	4923.09
	17-Nov-14		9.18	4922.69
	2-May-14		8.96	4922.91
	1-Oct-13	4929.10	8.85	4923.02
	25-Mar-13		9.15	4922.72
	22-Aug-12		8.88	4922.99
	21-Feb-12		9.38	4922.49
	26-Dec-06		9.19	4922.68
	25-Sep-06		8.97	4922.90
	17-May-06		8.90	4922.97
	31-Jan-06		9.49	4922.38
	3-Nov-05		8.70	4923.17
	28-Jul-05		8.56	4923.31
	22-Apr-04		8.62	4923.25
BB-2	17-Jun-21	4934.64	Object lodged in well	
	10-Oct-19		11.18	4923.46
	20-Dec-17		11.69	4922.95
	17-Jan-17		11.82	4922.82
	19-May-15		11.56	4923.08
	17-Nov-14		12.06	4922.58
	2-May-14		11.81	4922.83
	1-Oct-13	4931.31	11.70	4922.94
	25-Mar-13		12.05	4922.59
	22-Aug-12		11.69	4922.95
	21-Feb-12		12.24	4922.40
	26-Dec-06		12.04	4922.60
	25-Sep-06		11.72	4922.92
	17-May-06		11.66	4922.98
	31-Jan-06		12.36	4922.28
	3-Nov-05		11.56	4923.08
	28-Jul-05		11.34	4923.30
	22-Apr-04		10.88	4923.76
NMW-1	17-Jun-21	4932.63	9.16	4923.47
	10-Oct-19		8.96	4923.67
	20-Dec-17		9.39	4923.24
	17-Jan-17		9.57	4923.06
	19-May-15		9.38	4923.25
	17-Nov-14	***	9.72	4922.91
	2-May-14	4932.62	9.55	4923.08
	1-Oct-13	4929.81	9.41	4923.22
	25-Mar-13		9.75	4922.88

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

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
NMW-1 (cont.)	22-Aug-12		9.48	4923.15
	21-Feb-12		9.93	4922.70
	26-Dec-06		9.75	4922.88
	25-Sep-06		9.62	4923.01
	17-May-06		9.53	4923.10
	31-Jan-06		10.70	4921.93
	3-Nov-05		9.31	4923.32
	28-Jul-05		9.22	4923.41
	22-Apr-04		9.24	4923.39
NMW-2*	28-Jul-05	4930.38	Well destroyed	
	22-Apr-04		10.03	4920.35
NMW-3*	28-Jul-05	4930.56	Well destroyed	
	22-Apr-04		10.28	4920.28
NMW-4	30-Apr-14	4929.02	Well plugged and abandoned	
	1-Oct-13		9.59	4919.43
	25-Mar-13		9.90	4919.12
	22-Aug-12		9.59	4919.43
	21-Feb-12		10.12	4918.90
	26-Dec-06		10.94	4918.08
	25-Sep-06		9.59	4919.43
	17-May-06		NM	NM
	31-Jan-06		NM	NM
	3-Nov-05		NM	NM
	28-Jul-05		NM	NM
	22-Apr-04		10.33	4918.69
NMW-4R	17-Jun-21	4932.53	9.47	4923.06
	10-Oct-19		9.24	4923.29
	20-Dec-17		9.75	4922.78
	17-Jan-17		9.88	4922.65
	19-May-15		9.68	4922.85
	17-Nov-14		10.12	4922.41
	2-May-14		9.91	4922.62
W-34	1-May-14	4928.70	Well plugged and abandoned	
	1-Oct-13		Well paved over	
	25-Mar-13		8.61	4920.09
	22-Aug-12		8.33	4920.37
	21-Feb-12		8.77	4919.93
	26-Dec-06		8.61	4920.09
	25-Sep-06		8.51	4920.19
	17-May-06		8.40	4920.30
	31-Jan-06		8.92	4919.78

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

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
W-34 (cont.)	3-Nov-05		8.11	4920.59
	28-Jul-05		8.09	4920.61
	22-Apr-04		7.92	4920.78
W-35	10-Oct-19	4931.50	Well destroyed	
	20-Dec-17		8.47	4923.03
	17-Jan-17		8.56	4922.94
	19-May-15		8.44	4923.06
	17-Nov-14		8.78	4922.72
	2-May-14		8.65	4922.85
	1-Oct-13	4928.93	Well paved over	
	25-Mar-13		8.85	4922.65
	22-Aug-12		8.55	4922.95
	21-Feb-12		8.99	4922.51
	26-Dec-06		8.83	4922.67
	25-Sep-06		8.74	4922.76
	17-May-06		8.64	4922.86
	31-Jan-06		9.14	4922.36
	3-Nov-05		8.31	4923.19
	28-Jul-05		8.29	4923.21
	22-Apr-04		8.14	4923.36
W-36	10-Oct-19	4932.00	Well destroyed	
	20-Dec-17		8.63	4923.37
	17-Jan-17		8.76	4923.24
	19-May-15		8.62	4923.38
	17-Nov-14		8.97	4923.03
	2-May-14		8.80	4923.20
	1-Oct-13	4929.11	Well paved over	
	25-Mar-13		9.01	4922.99
	22-Aug-12		8.72	4923.28
	21-Feb-12		9.15	4922.85
	26-Dec-06		8.97	4923.03
	25-Sep-06		8.92	4923.08
	17-May-06		8.79	4923.21
	31-Jan-06		9.30	4922.70
	3-Nov-05		8.50	4923.50
	28-Jul-05		8.48	4923.52
	22-Apr-04		8.31	4923.69
W-37	1-May-14	4930.10	Well plugged and abandoned	
	1-Oct-13		Well paved over	
	25-Mar-13		9.97	4920.13
	22-Aug-12		9.67	4920.43

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

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
W-37 (cont.)	21-Feb-12		10.09	4920.01
	26-Dec-06		8.78	4921.32
	25-Sep-06		9.90	4920.20
	17-May-06		9.74	4920.36
	31-Jan-06		10.22	4919.88
	3-Nov-05		9.49	4920.61
	28-Jul-05		9.43	4920.67
	22-Apr-04		9.26	4920.84
RNMW-2**	17-Jun-21	4933.45	10.04	4923.41
	10-Oct-19		9.88	4923.57
	20-Dec-17		10.31	4923.14
	17-Jan-17		10.44	4923.01
	19-May-15		10.27	4923.18
	17-Nov-14	***	10.87	4922.58
	2-May-14	4933.74	10.70	4922.75
	1-Oct-13	4930.88	10.57	4922.88
	25-Mar-13		10.90	4922.55
	22-Aug-12		10.61	4922.84
	21-Feb-12		11.09	4922.36
	26-Dec-06		10.92	4922.53
	25-Sep-06		10.72	4922.73
	17-May-06		10.64	4922.81
	31-Jan-06		11.23	4922.22
	3-Nov-05		10.44	4923.01
	28-Jul-05		10.33	4923.12
RNMW-3**	17-Jun-21	4933.22	9.84	4923.38
	10-Oct-19		9.65	4923.57
	20-Dec-17		10.09	4923.13
	17-Jan-17		10.22	4923.00
	19-May-15		10.06	4923.16
	17-Nov-14		10.45	4922.77
	2-May-14		10.23	4922.99
	1-Oct-13	4930.42	10.12	4923.10
	25-Mar-13		10.45	4922.77
	22-Aug-12		10.17	4923.05
	21-Feb-12		10.65	4922.57
	26-Dec-06		10.49	4922.73
	25-Sep-06		10.27	4922.95
	17-May-06		10.20	4923.02
	31-Jan-06		10.80	4922.42

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

Monitor Well	Date Measured	Casing Elevation[2]	Depth to Water[3]	Groundwater Elevation[2]
RNMW-3**	3-Nov-05		9.99	4923.23
(cont.)	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 on top of steel plate on pipe.

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

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

[3] Measured in feet below the top of casing at survey point on north side of well

* = Well Destroyed during source area excavation

** = Replacement well installed 4/27/05

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

‡=Waiting for survey data

NM = not measured

TABLE 2. SUMMARY OF GROUNDWATER FIELD PARAMETERS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	pH	SpC (µS/cm)	Temp (°C)	DO (mg/L)
MW-1	Apr-14	Well plugged and abandoned			
	1-Oct-13	Well dry			
	25-Mar-13	Well dry			
	22-Aug-12	Well dry			
	21-Feb-12	Well dry			
MW-1R	17-Jun-21	7.54	823	20.4	1.86
	10-Oct-19	7.42	1,041	23.4	NM
	20-Dec-17	Not enough water to sample			
	17-Jan-17	Well bailed dry			
	19-May-15	Well bailed dry			
	17-Nov-14	7.56	913	21.8	1.18
	1-May-14	7.8	803	19.4	1.55
MW-2	10-Oct-19	7.19	959.5	24.1	NM
	20-Dec-17	6.82	1,225	22.6	1.14
	17-Jan-17	7.11	1,060	20.6	2.02
	19-May-15	7.21	816	19.1	1.86
	17-Nov-14	7.1	1,009	22.9	1.70
	1-May-14	7.63	981	18.8	1.40
	1-Oct-13	6.31	1,023	25.5	NM
	25-Mar-13	6.29	1,111	18.4	1.04
	22-Aug-12	8.17	950	24.5	1.31
	21-Feb-12	NM	761	19.7	1.35
MW-3	10-Oct-19	Could not locate well			
	20-Dec-17	7.21	934	21.8	0.48
	17-Jan-17	7.37	907	20.6	1.55
	19-May-15	7.52	994	19.8	3.33
	17-Nov-14	7.45	941	20.9	1.35
	1-May-14	7.70	1,043	19.1	1.77
	10-Oct-13	7.23	942	22.6	1.15
	25-Mar-13	6.64	1,021	17.6	0.97
	23-Aug-12	8.48	963	20.9	1.07
	21-Feb-12	NM	898	18.4	1.15
MW-4	Apr-14	Well plugged and abandoned			
	1-Oct-13	Well destroyed			
	25-Mar-13	6.42	946	18.0	1.20
	23-Aug-12	8.11	980	24.9	1.38
	22-Feb-12	6.09	981	13.8	1.21
MW-4R	17-Jun-21	7.42	832	21.2	0.8
	10-Oct-19	7.48	778.6	22.6	NM
	20-Dec-17	7.35	771	22.5	1.04
	17-Jan-17	7.35	864	20.3	1.73

TABLE 2. SUMMARY OF GROUNDWATER FIELD PARAMETERS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	pH	SpC (µS/cm)	Temp (°C)	DO (mg/L)
MW-4R (cont.)	19-May-15	7.60	664	19.8	1.32
	17-Nov-14	7.50	649	21.6	0.85
	1-May-14	7.69	922	20.0	2.18
MW-5	Apr-14	Well plugged and abandoned			
	1-Oct-13	Well dry			
	25-Mar-13	Well dry			
	22-Aug-12	Well dry			
	21-Feb-12	Well dry			
MW-6	Apr-14	Well plugged and abandoned			
	29-Apr-14	Well dry			
	1-Oct-13[1]	NM	NM	NM	NM
	25-Mar-13	NM	NM	NM	NM
	22-Aug-12	NM	NM	NM	NM
	22-Feb-12	6.37	6,310	15.6	NM
MW-6R	17-Nov-14	Well destroyed			
	1-May-14	7.93	880	20.0	2.19
MW-6RR	17-Jun-21	7.42	775	20.9	0.97
	10-Oct-19	7.51	783	23.3	NM
	20-Dec-17	7.39	770	22.0	1.00
	17-Jan-17	7.37	780	21.0	1.63
	19-May-15	7.54	734	19.7	1.10
	22-Dec-14	7.18	815	21.1	10.4
MW-29	May-14	Well plugged and abandoned			
	1-Oct-13	6.29	1,024	24.9	NM
	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	17-Jun-21	6.93	937	21.0	1.20
	10-Oct-19	7.13	896.6	23.4	NM
	20-Dec-17	6.87	975	18.9	1.60
	17-Jan-17	6.96	950	19.1	1.48
	19-May-15	7.06	488	19.3	2.82
	17-Nov-14	7.2	880	21.7	1.76
	1-May-14	7.59	984	19.0	1.53
	1-Oct-13	6.13	1,003	25.4	NM
	25-Mar-13	6.41	1,034	17.4	0.77
	23-Aug-12	7.79	1,090	25.1	2.1
	21-Feb-12	NM	859	17.8	1.08
BB-2	10-Oct-19	7.28	864	22.4	NM
	20-Dec-17	7.26	824	20.5	1.11

TABLE 2. SUMMARY OF GROUNDWATER FIELD PARAMETERS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	pH	SpC (µS/cm)	Temp (°C)	DO (mg/L)
BB-2 (cont.)	17-Jan-17	7.47	838	18.7	2.40
	19-May-15	7.44	882	18.1	2.39
	17-Nov-14	7.37	862	19.8	1.92
	1-May-14	7.77	945	17.7	1.74
	1-Oct-13	6.27	952	23.2	NM
	25-Mar-13	6.43	1,009	17.1	1.47
	23-Aug-12	7.61	1,002	26.9	1.19
	21-Feb-12	NM	798	17.5	2.32
NMW-1	17-Jun-21	6.80	1,311	21.8	0.50
	10-Oct-19	7.03	888.9	25.5	NM
	20-Dec-17	6.85	1,097	22.6	0.28
	17-Jan-17	7.03	948	20.1	1.42
	19-May-15	6.92	1,015	19.9	1.22
	17-Nov-14	7.09	986	23.1	1.06
	2-May-14	7.29	1,174	19.0	1.31
	1-Oct-13	6.30	1,091	26.0	NM
	26-Mar-13	6.31	1,124	17.1	0.63
	23-Aug-12	8.43	1,066	24.1	1.11
	21-Feb-12	NM	904	18.2	1.18
RNMW-2	17-Jun-21	7.08	967	21.4	1.20
	10-Oct-19	7.13	1,015	24.5	NM
	20-Dec-17	7.04	1,232	22.0	1.30
	17-Jan-17	7.26	933	20.4	1.78
	19-May-15	7.35	847	19.7	1.33
	17-Nov-14	7.32	871	22.2	0.56
	2-May-14	7.47	1,053	19.2	1.30
	1-Oct-13	6.49	1,051	24.5	NM
	26-Mar-13	6.43	1,048	18.6	0.74
	22-Aug-12	7.84	1,176	23.1	1.28
	21-Feb-12	NM	852	19.3	1.14
RNMW-3	17-Jun-21	7.20	1,087	21.7	1.40
	10-Oct-19	7.32	1,038	24.9	NM
	20-Dec-17	7.23	1,117	21.2	0.40
	17-Jan-17	7.25	628	20.8	2.01
	19-May-15	7.36	889	20.3	1.31
	17-Nov-14	7.32	1,007	22.5	1.48
	2-May-14	7.53	1,009	19.7	1.54
	1-Oct-13	6.37	1,065	25.0	NM
	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

TABLE 2. SUMMARY OF GROUNDWATER FIELD PARAMETERS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	pH	SpC (µS/cm)	Temp (°C)	DO (mg/L)
NMW-4	Apr-14	Well plugged and abandoned			
	1-Oct-131	NM	NM	NM	NM
	25-Mar-13	NM	NM	NM	NM
	23-Aug-12	NM	NM	NM	NM
	21-Feb-12	NM	NM	NM	NM
NMW-4R	17-Jun-21	7.32	615	20.4	2.52
	10-Oct-19	6.82	528.6	22.6	NM
	20-Dec-17	7.28	433	21.4	0.37
	17-Jan-17	7.42	567	19.3	1.75
	19-May-15	7.44	784	19.2	2.12
	17-Nov-14	7.36	513	20.9	1.31
	1-May-14	Developed at 4 gallons per minute; ~180 gallons removed			
W-34	May-14	Well plugged and abandoned			
	1-Oct-13	Well paved over			
	25-Mar-13	6.55	1,129	17.3	0.77
	22-Aug-12	7.59	822	23.4	1.02
	21-Feb-12	NM	820	18.5	1.07
W-35	10-Oct-19	Could not locate well			
	20-Dec-17	7.25	960	22.1	0.92
	17-Jan-17	7.31	818	19.6	1.69
	19-May-15	7.37	889	21.0	1.78
	17-Nov-14	7.28	1065	22.6	2.48
	2-May-14	7.44	1148	19.5	0.91
	1-Oct-13	Well paved over - uncovered May 2014			
	25-Mar-13	6.63	1,238	16.7	0.84
	22-Aug-12	7.73	1,091	25.0	0.96
	21-Feb-12	NM	852	17.7	0.97
W-36	10-Oct-19	Could not locate well			
	20-Dec-17	7.20	990	21.8	0.55
	17-Jan-17	7.19	862	19.6	1.82
	19-May-15	7.22	677	19.6	1.63
	17-Nov-14	7.24	847	22.1	1.66
	2-May-14	7.39	878	18.8	3.03
	1-Oct-13	Well paved over - uncovered May 2014			
	25-Mar-13	6.24	1,143	17.5	0.75
	22-Aug-12	8.14	976	24.6	1.06
	21-Feb-12	NM	863	18.0	1.25
W-37	May-14	Well plugged and abandoned			
	1-Oct-13	Well paved over			
	25-Mar-13	6.86	1,085	19.1	1.04

TABLE 2. SUMMARY OF GROUNDWATER FIELD PARAMETERS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	pH	SpC (µS/cm)	Temp (°C)	DO (mg/L)
W-37 (cont.)	22-Aug-12	6.82	1,012	24.3	1.15
	21-Feb-12	NM	819	19.9	1.21

NOTES:
[1] Unable to obtain parameters due to extremely poor recharge.
SpC = Specific conductance in microsiemens per centimeter (µS/cm)
Temp = Temperature in degrees Celsius (°C)
DO = Dissolved oxygen in milligrams per liter (mg/L)
NM = Not Measured

TABLE 3. SAMPLE ANALYTICAL AND QUALITY CONTROL REQUIREMENTS
ATEX 213, ALBUQUERQUE, NEW MEXICO

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

NOTES:
VOCs = Volatile Organic Compounds with naphthalenes
EPA = U.S. Environmental Protection Agency
mL = Milliliters
°C = Degrees Celcius

TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Total Naphthalenes
MW-1	29-Apr-14	Well plugged and abandoned					
	1-Oct-13	Well dry					
	22-Aug-12	Well dry					
	21-Feb-12	Well dry					
	26-Dec-06	Well dry					
	25-Sep-06	Well dry					
	17-May-06	Well dry					
	31-Jan-06	Well dry					
	3-Nov-05	Well dry					
	28-Jul-05	Well dry					
	22-Apr-04	<1.0	<1.0	4.8	<1.0	<1.0	4.3
	Jan-98	ND	110	320	370	**2,200**	NA
MW-1R	17-Jun-21	<1.0	<1.0	2.2	<1.5	<1.0	**36.6**
	10-Oct-19	<1.0	<1.0	1.5	<1.5	<1.0	13
	20-Dec-17	Well dry					
	17-Jan-17	<2.0	<2.0	<2.0	<3.0	<2.0	<8.0
	19-May-15	<1.0	<1.0	21	<1.5	<1.0	13
	17-Nov-14	<1.0	1.6	50	4.6	<1.0	**59.9**
	1-May-14	<10	<10	440	260	<10	**534**
MW-2	17-Jun-21	Could not locate well					
	10-Oct-19	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	20-Dec-17	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	17-Jan-17	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	19-May-15	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	17-Nov-14	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	1-May-14	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	1-Oct-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	25-Mar-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	22-Aug-12	<1.0	<1.0	<1.0	<1.5	3.0	<4.0
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	26-Dec-06	Well not sampled					
	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	Well not sampled					
	28-Jul-05	<1.0	<1.0	<1.0	<1.0	3.6	<10.0
	22-Apr-04	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0
	Jan-98	1.9	ND	0.7	0.7	10	NA
MW-3	20-Dec-17	2.4	1.4	17	7.1	<1.0	**190**
	17-Jan-17	1.7	1.6	16	7.2	<1.0	**166**
	19-May-15	2.3	1.4	12	8.4	<1.0	**127**
	17-Nov-14	3.5	<2.0	17	8.6	<2.0	**119**

TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Total Naphthalenes
MW-3 (cont.)	1-May-14	<1.0	<1.0	3.6	2.4	<1.0	24.6
	26-Mar-13	3.7	1.8	18	22	<1.0	**108**
	23-Aug-12	**6.4**	<5.0	19	28	<5.0	**60**
	21-Feb-12	**7.4**	<5.0	37	55	<5.0	**142**
	26-Dec-06	**160**	58	220	460	**530**	**610**
	25-Sep-06	**62**	11	37	100	**230**	**180**
	17-May-06	**46**	6.5	29	55	**230**	**142**
	31-Jan-06	**60**	<20	83	110	**500**	**170**
	3-Nov-05	**180**	9.7	58	47	**920**	**438**
	28-Jul-05	**52**	<10	14	<10	**410**	**90**
	22-Apr-04	**100**	<10	25	11	**320**	**98**
	Jan-98	**2,400**	110	320	370	**2,200**	NA
MW-4	29-Apr-14	Well plugged and abandoned					
	1-Oct-13	Well destroyed					
	25-Mar-13	<1.0	<1.0	<1.0	<1.5	62	<4.0
	23-Aug-12	<1.0	<1.0	<1.0	<1.5	46	<4.0
	22-Feb-12	<1.0	<1.0	<1.0	<1.5	18	<4.0
	26-Dec-06	**93**	<10	<10	<30	**790**	<100
	25-Sep-06	<1.0	<1.0	<1.0	<3.0	**580**	<10.0
	17-May-06	<1.0	<1.0	<1.0	<3.0	**180**	<10.0
	31-Jan-06	<1.0	<1.0	<1.0	<1.0	**220**	<10.0
	3-Nov-05	<5.0	<5.0	<5.0	<5.0	**500**	<50
	28-Jul-05	<1.0	<1.0	<1.0	<1.0	**720**	<10.0
	22-Apr-04	**590**	<10	<10	<10	**1400**	<100
MW-4R	17-Jun-21	<1.0	<1.0	<1.0	<1.5	1.3	<4.0
	10-Oct-19	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	20-Dec-17	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	17-Jan-17	<1.0	<1.0	<1.0	<1.5	7.0	<4.0
	19-May-15	<1.0	<1.0	<1.0	<1.5	3.5	<4.0
	17-Nov-14	<1.0	<1.0	<1.0	<1.5	8.0	<4.0
	1-May-14	**29**	<1.0	3.8	<1.5	55	**64.6**
MW-5	1-May-14	Well plugged and abandoned					
	1-Oct-13	Well dry					
	25-Mar-13	Well dry					
	22-Aug-12	Well dry					
	21-Feb-12	Well 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

TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Total Naphthalenes
MW-5 (cont.)	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	Well plugged and abandoned					
	1-Oct-13	Well dry					
	25-Mar-13	<1.0	<1.0	<1.0	<1.5	1.1	<4.0
	22-Aug-12	<1.0	<1.0	<1.0	<1.5	1.8	<4.0
	22-Feb-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	26-Dec-06	**33**	<10	16	<30	**720**	**395**
	25-Sep-06	**84**	<5.0	32	15	**1,200**	**630**
	17-May-06	**20**	<10	11	<30	**490**	**160**
	31-Jan-06	**24**	<10	20	13	**730**	**253**
	3-Nov-05	**46**	<5.0	28	16	**570**	**380**
	29-Jul-05	**45**	<20	<20	<20	**800**	**210**
	23-Apr-04	**50**	<10	14	15	**830**	**140**
MW-6R	17-Nov-14	Well destroyed					
	1-May-14	1.6	<1.0	6.6	<1.5	6.2	**55.5**
MW-6RR	17-Jun-21	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	10-Oct-19	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	20-Dec-17	3.4	<1.0	<1.0	<1.5	1.5	7.2
	17-Jan-17	<1.0	<1.0	<1.0	<1.5	<1.0	4.3
	19-May-15	<1.0	<1.0	24	3.2	4.6	**38.8**
	22-Dec-14	<5.0	<5.0	130	27	13	**262**
MW-29	1-May-14	Well plugged and abandoned					
	1-Oct-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	25-Mar-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	23-Aug-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	26-Dec-06	Well not sampled					
	25-Sep-06	<1.0	<1.0	<1.0	<1.0	7.5	<10.0
	17-May-06	Well not sampled					
	31-Jan-06	Well not sampled					
	3-Nov-05	Well not sampled					
	29-Jul-05	<1.0	<1.0	<1.0	<1.0	6.8	<10.0
	22-Apr-04	<1.0	<1.0	<1.0	<1.0	14	<10.0
	1-Jun-94	<0.5	<0.5	<0.5	<0.5	<2.5	NA
MW-38	17-Jun-21	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	10-Oct-19	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	20-Dec-17	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	17-Jan-17	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	19-May-15	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0

TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Total Naphthalenes
MW-38 (cont.)	17-Nov-14	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	1-May-14	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	1-Oct-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	25-Mar-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	23-Aug-12	1.5	<1.0	<1.0	<1.5	1.2	15
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	26-Dec-06	**13**	<1.0	2.5	<3.0	<1.5	12
	25-Sep-06	1.5	<1.0	<1.0	<3.0	<1.5	3.1
	17-May-06	1.4	<1.0	<1.0	<3.0	<1.5	<10.0
	31-Jan-06	2.5	<1.0	<1.0	<1.0	<1.0	2.5
	3-Nov-05	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0
	29-Jul-05	1.4	<1.0	<1.0	<1.0	<1.0	<10.0
	22-Apr-04	1.7	<1.0	<1.0	<1.0	<1.0	<10.0
	Jan-98	**46**	1.2	8.1	7.6	9	NA
BB-2	17-Jun-21	Not sampled - object lodged in well					
	10-Oct-19	<1.0	<1.0	3.8	<1.5	17	**232**
	20-Dec-17	<1.0	<1.0	<1.0	<1.5	20	4.2
	17-Jan-17	<1.0	<1.0	<1.0	<1.5	41	3.9
	19-May-15	<1.0	<1.0	<1.0	<1.5	27	3.9
	17-Nov-14	<1.0	<1.0	<1.0	<1.5	26	<4.0
	1-May-14	<1.0	<1.0	<1.0	<1.5	17	<4.0
	1-Oct-13	<1.0	<1.0	<1.0	<1.5	53	<4.0
	25-Mar-13	<1.0	<1.0	<1.0	<1.5	**150**	<4.0
	23-Aug-12	<1.0	<1.0	1.3	<1.5	94	17.0
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	**290**	<4.0
	26-Dec-06	Well not sampled					
	25-Sep-06	<1.0	<1.0	1.1	<1.0	<1.5	15.5
	17-May-06	Well not sampled					
	31-Jan-06	Well not sampled					
	3-Nov-05	Well not sampled					
	29-Jul-05	<1.0	<1.0	4.6	<1.0	<2.0	7.6
	22-Apr-04	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0
	Jan-98	**5.8**	ND	50	21	**1,200**	NA
NMW-1	17-Jun-21	**56**	<1.0	3.1	<1.5	11	14
	10-Oct-19	**84**	1.0	3.6	13	12	21.7
	20-Dec-17	**79**	1.0	3.0	4.7	11	23.3
	17-Jan-17	**220**	<5.0	47	32	16	**59**
	19-May-15	**430**	11	100	140	62	**140**
	17-Nov-14	**52**	<5.0	5.3	19	9.3	<20
	2-May-14	**190**	1.6	5.9	6.3	35	25.4
	1-Oct-13	**290**	8.4	3.1	39	44	**52.1**

TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Total Naphthalenes
NMW-1 (cont.)	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	Well not sampled due to presence of NAPL					
NMW-2/RNMW-2	17-Jun-21	**13**	<2.0	<2.0	<3.0	44	<8.0
	10-Oct-19	**120**	1.9	3.4	2.8	**110**	**80.2**
	20-Dec-17	<1.0	<1.0	<1.0	<1.5	18	<4.0
	17-Jan-17	<1.0	<1.0	<1.0	<1.5	23	<4.0
	19-May-15	**12**	<1.0	<1.0	<1.5	50	2.3
	17-Nov-14	<1.0	<1.0	<1.0	<1.5	62	<4.0
	2-May-14	**12**	<1.0	<1.0	<1.5	72	<4.0
	1-Oct-13	<1.0	<1.0	<1.0	<1.5	61	<4.0
	26-Mar-13	**99**	1.2	1.7	2.2	**220**	7.4
	22-Aug-12	**54**	<1.0	<1.0	<1.5	**290**	9.6
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	83	<4.0
	26-Dec-06	**47**	<10	<10	<30	**1,000**	20
	25-Sep-06	**20**	<10	16	<30	**1,300**	<100
	17-May-06	**310**	<1.0	31	19	**550**	14
	31-Jan-06	**11**	<1.0	45	4.1	**560**	3.0
	3-Nov-05	**74**	1.1	160	52	**590**	27.4
	28-Jul-05	**320**	11	**710**	120	**1300**	**39**
	23-Apr-04	Well not sampled due to presence of NAPL					
NMW-3/RNMW-3	17-Jun-21	<1.0	<1.0	<1.0	<1.5	11	<4.0
	10-Oct-19	1.5	<1.0	<1.0	<1.5	30	9.6
	20-Dec-17	2.0	<1.0	<1.0	<1.5	61	10
	17-Jan-17	1.3	<1.0	<1.0	<1.5	64	10
	19-May-15	<1.0	<1.0	<1.0	<1.5	46	<4.0
	17-Nov-14	1.1	<1.0	<1.0	<1.5	63	<4.0
	2-May-14	<1.0	<1.0	<1.0	<1.5	31	<4.0
	1-Oct-13	1.2	<1.0	<1.0	<1.5	83	4.0
	26-Mar-13	4.6	<1.0	<1.0	<1.5	86	5.4
	23-Aug-12	1.2	<1.0	<1.0	<1.5	**170**	5.5
	21-Feb-12	1.8	<1.0	<1.0	<1.5	**120**	4.9
	26-Dec-06	**6.4**	<5.0	<5.0	<15	**580**	<50

TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Total Naphthalenes
NMW-3/RNMW-3 (cont.)	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	Well not sampled due to presence of NAPL					
	Jan-98	Well not sampled due to presence of NAPL					
NMW-4	30-Apr-14	Well plugged and abandoned					
	1-Oct-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	25-Mar-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	23-Aug-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	22-Feb-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	26-Dec-06	<1.0	<1.0	<1.0	<3.0	<1.5	<10.0
	25-Sep-06	<1.0	<1.0	<1.0	<3.0	<1.5	<10.0
	17-May-06	<1.0	<1.0	<1.0	<3.0	9.7	<10.0
	31-Jan-06	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0
	3-Nov-05	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0
	29-Jul-05	<1.0	<1.0	<1.0	<1.0	<2.0	<10.0
	23-Apr-04	<1.0	<1.0	<1.0	<1.0	2.7	<10.0
	Jun-94	<0.5	<0.5	<0.5	<0.5	<2.5	NA
NMW-4R	17-Jun-21	<1.0	<1.0	<1.0	<1.5	3.1	<4.0
	10-Oct-19	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	20-Dec-17	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	17-Jan-17	<1.0	<1.0	<1.0	<1.5	2.0	<4.0
	19-May-15	<1.0	<1.0	<1.0	<1.5	18	<4.0
	17-Nov-14	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	1-May-14	**8.0**	2.6	<1.0	<1.5	11	<4.0
W-34	1-May-14	Well plugged and abandoned					
	1-Oct-13	Well paved over					
	25-Mar-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	22-Aug-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	26-Dec-06	Well not sampled					
	25-Sep-06	<1.0	<1.0	<1.0	<3.0	<1.5	<10.0
	17-May-06	Well not sampled					
	31-Jan-06	Well not sampled					
	3-Nov-05	Well not sampled					
	28-Jul-05	<1.0	<1.0	3.7	1.3	<1.0	<10.0
	6-May-04	<1.0	<1.0	6.7	3.4	<1.0	<10.0
	Jan-98	1.2	ND	7.6	7.2	<2.5	NA

TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Total Naphthalenes
W-35	10-Oct-19	Could not locate well					
	20-Dec-17	<2.0	<2.0	5.2	<3.0	<2.0	**127.9**
	17-Jan-17	<1.0	<1.0	16	<1.5	<1.0	**525**
	19-May-15	<1.0	<1.0	3.6	<1.5	<1.0	**45**
	17-Nov-14	<1.0	<1.0	15	<1.5	<1.0	**98.9**
	2-May-14	<1.0	<1.0	7.5	<1.5	<1.0	**124**
	1-Oct-13	Well paved over[1]					
	25-Mar-13	<1.0	<1.0	32	<1.5	<1.0	**399**
	22-Aug-12	<1.0	<1.0	6.9	<1.5	<1.0	**55.3**
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	26-Dec-06	Well not sampled					
	25-Sep-06	<1.0	<1.0	12	<3.0	<1.5	**188**
	17-May-06	Well not sampled					
	31-Jan-06	Well not sampled					
	3-Nov-05	Well not sampled					
	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	10-Oct-19	Could not locate well					
	20-Dec-17	<1.0	<1.0	4.1	<1.5	<1.0	**70.1**
	17-Jan-17	<1.0	<1.0	1.1	<1.5	<1.0	18
	19-May-15	<1.0	<1.0	2.6	<1.5	<1.0	**31**
	17-Nov-14	<1.0	<1.0	3.8	<1.5	<1.0	17
	2-May-14	<1.0	<1.0	2.4	<1.5	<1.0	12
	1-Oct-13	Well paved over[1]					
	25-Mar-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	22-Aug-12	<1.0	<1.0	2.3	<1.5	<1.0	11
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	26-Dec-06	<1.0	<1.0	15	4.5	<1.5	**55.3**
	25-Sep-06	<1.0	<1.0	23	3.0	<1.5	**81.7**
	17-May-06	<1.0	<1.0	3.0	<3.0	<1.5	4.1
	31-Jan-06	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0
	3-Nov-05	<1.0	<1.0	2.9	3.6	<1.0	3.3
	28-Jul-05	<1.0	<1.0	55	77	<1.0	**76.5**
	6-May-04	<10	<10	190	390	<10	**230**
	Jan-98	ND	4.4	39	56	12	NA
W-37	1-May-14	Well plugged and abandoned					
	1-Oct-13	Well paved over					
	25-Mar-13	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	22-Aug-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0
	21-Feb-12	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0

TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
ATEX 213, ALBUQUERQUE, NEW MEXICO

Well Number	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Total Naphthalenes
W-37 (cont.)	26-Dec-06	Well not sampled					
	25-Sep-06	<1.0	<1.0	12	<3.0	<1.5	<10.0
	17-May-06	Well not sampled					
	31-Jan-06	Well not sampled					
	3-Nov-05	Well not sampled					
	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
NMWQCC Standards		**5**	**1,000**	**700**	**620**	**100**	**30**

NOTES:
BOLD indicates concentration above the New Mexico Water Quality Control Commission (NMWQCC) standard.
All concentrations reported in micrograms per liter (µg/L).
[1] In May 2014, well was uncovered and a new vault cover, well seal, and "j-plug" were installed.
All data reported prior to 2012 from *Groundwater Monitoring Report, Atex #213 UST Release Site, Albuquerque, New Mexico* (Souder Miller Associates, 2007).
NA = Not analyzed
ND = Not detected
MTBE = Methyl tertiary-butyl ether

APPENDIX A
WELL SAMPLING FIELD FORMS

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: BB-2
Site: ATEX 2/3
Date gauged:
Time gauged:

Depth to PSH: ____ Feet
Depth to water: ____ Feet
Total depth: ____ Feet
NAPL thickness: ____ Feet
Well diameter: ____ Inches
Height of fluid column: ____ Feet
Volume in well: ____ Gallons
(3 well volumes = ____ gallons)

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

GROUNDWATER SAMPLING DATA

Time/date purged:
Purge Method:

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)

06-17-2024

Actual purge volume ____ gal.
Field measurements stabilized within ± 10%?
Time/date sampled:
Purged/sampled by: Gabrielle Begaye
Sample method:
Requested analyses:
Comments/observations: well U plug missing and object lodged in well at ~4.88 feet, well is a stick up with no lid near steel square tubing bollards

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID	MW-1R	Date gauged	06-17-2021
Site	ATEX 213	Time gauged	1200
Depth to PSH	— Feet	Well diameter	2 Inches
Depth to water	8.63 Feet	Height of fluid column	6.16 Feet
Total depth	14.79 Feet	Volume in well	1.05 Gallons
NAPL thickness	— Feet		

(3 well volumes = 3.14 gallons)

After Bailing NAPL

Depth to PSH _____ Feet

Depth to water _____ Feet

NAPL thickness _____ Feet

NAPL Recovered _____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged 1206/06-17-2021 Purge Method Hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1207	0.25	23.2	866	7.51	72.3	1.86
1209	1.50	20.9	832	7.50	42.3	—
1212	3.00	20.4	823	7.54	26.2	—
			06-17-2021			

Actual purge volume 3.25 gal. Field measurements stabilized within ± 10%? Yes

Time/date sampled 1214/06-17-2021 Purged/sampled by Galveston Beyonge

Sample method New bailer + twine

Requested analyses EPA 8260B

Comments/observations small vines in well from nearby tree

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: MW-2
Site: ATEX 213
Date gauged:
Time gauged:

Depth to PSH: ____ Feet
Well diameter: ____ Inches
Depth to water: ____ Feet
Height of fluid column: ____ Feet
Total depth: ____ Feet
Volume in well: ____ Gallons
NAPL thickness: ____ Feet

(3 well volumes = ____ gallons)

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

GROUNDWATER SAMPLING DATA

Time/date purged:
Purge Method:

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)

06-17-2021

Actual purge volume: ____ gal.
Field measurements stabilized within ± 10%?:
Time/date sampled: 06-17-2021
Purged/sampled by: Galveston Begayc
Sample method:
Requested analyses:
Comments/observations: well unable to locate

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

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320 Gold Avenue SW, Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID	MW-4R	Date gauged	06-17-2024
Site	ATEX 213	Time gauged	1022
Depth to PSH	— Feet	Well diameter	2 Inches
Depth to water	10.13 Feet	Height of fluid column	10.94 Feet
Total depth	21.07 Feet	Volume in well	1.86 Gallons
NAPL thickness	— Feet		

(3 well volumes = 5.58 gallons)

After Bailing NAPL

Depth to PSH _____ Feet

Depth to water _____ Feet

NAPL thickness _____ Feet

NAPL Recovered _____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged 1027/06-17-2024 Purge Method Hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1028	0.25	22.6	836	7.50	149.4	0.80
1033	2.75	21.5	839	7.38	114.7	—
1038	5.50	6PH 21.2	832	7.42	110.8	—
			06-17-2024			

Actual purge volume 5.75 gal. Field measurements stabilized within ± 10%? Yes

Time/date sampled 1040/06-17-2024 Purged/sampled by Galveston Begaye

Sample method New bailer + twine

Requested analyses EPA 8260B

Comments/observations water is light odor yellow

Well Casing Volumes

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

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

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: MW-6RR
Site: AJEX 213
Depth to PSH: — Feet
Depth to water: 10.50 Feet
Total depth: 20.00 Feet
NAPL thickness: — Feet

Date gauged: 06-17-2021
Time gauged: 1440
Well diameter: 2 Inches
Height of fluid column: 9.50 Feet
Volume in well: 1.61 Gallons

(3 well volumes = 4.85 gallons)

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

GROUNDWATER SAMPLING DATA

Time/date purged: 1448 / 06-17-2021
Purge Method: Hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1449	0.25	21.8	757	7.76	58.8	0.97
1452	2.50	21.1	766	7.46	54.7	—
1455	4.75	20.9	775	7.42	55.8	—

QA/QC 06-17-2021

Actual purge volume: 5.00 gal.
Field measurements stabilized within ± 10%? Yes
Time/date sampled: 1457 / 06-17-2021
Purged/sampled by: Galveston Begaye
Sample method: New bailer & twine
Requested analyses: EPA 8260B
Comments/observations: Slight color of yellow water

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

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320 Gold Avenue SW, Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID	MW-38	Date gauged	06-17-2021
Site	ATEX 213	Time gauged	1128
Depth to PSH	— Feet	Well diameter	2 Inches
Depth to water	8.58 Feet	Height of fluid column	3.55 Feet
Total depth	12-13 Feet	Volume in well	0.60 Gallons
NAPL thickness	— Feet		

(3 well volumes = 1.81 gallons)

After Bailing NAPL

Depth to PSH _____ Feet

Depth to water _____ Feet

NAPL thickness _____ Feet

NAPL Recovered _____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged 1134 / 06-17-2021 Purge Method Hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1135	0.25	23.1	542	6.89	126.4	~~7.39~~ 1.20
1137	0.75	21.4	982	6.83	139.0	—
1139	1.75	21.0	937	6.93	126.4	—

06-17-2021

Actual purge volume 2.00 gal. Field measurements stabilized within ± 10%? Yes

Time/date sampled 1142 / 06-17-2021 Purged/sampled by Catherine Beyaye

Sample method New bailer + twine

Requested analyses ~~EPA~~ 8260B

Comments/observations DO was too high, shut off YSI and reboot and DO had changed

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

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID	NMW-1	Date gauged	06-17-2021
Site	ATEX 213	Time gauged	1345
Depth to PSH	— Feet	Well diameter	2 Inches
Depth to water	9.16 Feet	Height of fluid column	5.97 Feet
Total depth	15.13 Feet	Volume in well	1.01 Gallons
NAPL thickness	— Feet		

(3 well volumes = 3.05 gallons)

After Bailing NAPL

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

GROUNDWATER SAMPLING DATA

Time/date purged 1351 / 06-17-2021 Purge Method Hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
1352	0.25	23.6	1350	6.78	40.6	0.50
1354	1.50	21.0	1325	6.79	-9.0	—
1356	3.00	21.8	1311	6.80	-9.4	—

06-17-2021

Actual purge volume 3.25 gal. Field measurements stabilized within ± 10%? Yes

Time/date sampled 1358/06-17-2021 Purged/sampled by Gabrielson Begaye

Sample method New bailer & tubing

Requested analyses EPA 8260B

Comments/observations Dark grey and strong odor of VOC

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

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320 Gold Avenue SW, Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: NMW-4R
Date gauged: 06-17-2021
Site: ATEX 213
Time gauged: 1053
Depth to PSH: — Feet
Well diameter: 2 Inches
Depth to water: 9.47 Feet
Height of fluid column: 10.43 Feet
Total depth: 19.90 Feet
Volume in well: 1.77 Gallons
NAPL thickness: — Feet
(3 well volumes = 5.32 gallons)

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

GROUNDWATER SAMPLING DATA

Time/date purged: 1058 / 06-17-2021
Purge Method: Hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1059	0.25	21.8	627.0	7.44	101.0	2.52
1103	2.50	20.8	618.1 ~~320.2~~	7.33	77.0	—
1108	5.25	20.4	615.0	7.32	65.0	—

06-17-2021

Actual purge volume: 5.50 gal.
Field measurements stabilized within ± 10%? Yes
Time/date sampled: 1110 / 06-17-2021
Purged/sampled by: Gaheton Begaye
Sample method: New bailer & twine
Requested analyses: EPA 8260B
Comments/observations: Slight yellow color water

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

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320 Gold Avenue SW, Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: RNMW-2 (~~RAMW~~)
Site: ATEX 213
Date gauged: 06-17-2021
Time gauged: 1415

Depth to PSH	— Feet	Well diameter	2 Inches
Depth to water	10.04 Feet	Height of fluid column	5.45 Feet
Total depth	15.49 Feet	Volume in well	0.93 Gallons
NAPL thickness	— Feet		

(3 well volumes = 2.78 gallons)

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

GROUNDWATER SAMPLING DATA

Time/date purged: 1421 / 06-17-2021 Purge Method: Hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1422	0.25	23.3	1019	7.07	51.7	1.20
1424	1.50	21.5	986	7.09	17.1	—
1426	2.75	21.4	967	7.08	7.0	—

06-17-2021

Actual purge volume: 3.00 gal.
Field measurements stabilized within ± 10%? Yes
Time/date sampled: 1429 / 06-17-2021
Purged/sampled by: Galveston Begaye
Sample method: New bailer & twine
Requested analyses: EPA 8260B
Comments/observations: slight color of yellow water

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

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320 Gold Avenue SW, Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID: RNMW-3
Site: ATEX 213
Date gauged: 06-17-2021
Time gauged: 1230

Depth to PSH: — Feet
Well diameter: 2 Inches
Depth to water: 9.84 Feet
Height of fluid column: 6.18 Feet
Total depth: 16.02 Feet
Volume in well: 1.05 Gallons
NAPL thickness: — Feet
(3 well volumes = 3.15 gallons)

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

GROUNDWATER SAMPLING DATA

Time/date purged: 1238/06-17-2021
Purge Method: Hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1239	0.25	23.1	1119	7.33	88.5	1.40
1243	1.50	21.9	1100	7.20	67.0	—
1247	3.00	21.7	1087	7.20	50.7	—

06-17-2021

Actual purge volume: 3.25 gal.
Field measurements stabilized within ± 10%? YES
Time/date sampled: 1250/06-17-2021
Purged/sampled by: Gabriel Begaye
Sample method: New bailer & twine
Requested analyses: ~~BTEX~~ 8260B
Comments/observations:

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

APPENDIX B
ANALYTICAL LABORATORY REPORT

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 25, 2021

Mike McVey

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

RE: Atex 213 OrderNo.: 2106985

Dear Mike McVey:

Hall Environmental Analysis Laboratory received 9 sample(s) on 6/17/2021 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: MW-1R
Project: Atex 213
Collection Date: 6/17/2021 12:14:00 PM
Lab ID: 2106985-001 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
Benzene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Toluene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Ethylbenzene	2.2	1.0		µg/L	1	6/22/2021 3:30:29 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Naphthalene	19	2.0		µg/L	1	6/22/2021 3:30:29 PM
1-Methylnaphthalene	9.6	4.0		µg/L	1	6/22/2021 3:30:29 PM
2-Methylnaphthalene	8.0	4.0		µg/L	1	6/22/2021 3:30:29 PM
Acetone	ND	10		µg/L	1	6/22/2021 3:30:29 PM
Bromobenzene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Bromoform	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Bromomethane	ND	3.0		µg/L	1	6/22/2021 3:30:29 PM
2-Butanone	ND	10		µg/L	1	6/22/2021 3:30:29 PM
Carbon disulfide	ND	10		µg/L	1	6/22/2021 3:30:29 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Chlorobenzene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Chloroethane	ND	2.0		µg/L	1	6/22/2021 3:30:29 PM
Chloroform	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Chloromethane	ND	3.0		µg/L	1	6/22/2021 3:30:29 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/22/2021 3:30:29 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Dibromomethane	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/22/2021 3:30:29 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: MW-1R
Project: Atex 213
Collection Date: 6/17/2021 12:14:00 PM
Lab ID: 2106985-001 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
1,1-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
2-Hexanone	ND	10		µg/L	1	6/22/2021 3:30:29 PM
Isopropylbenzene	12	1.0		µg/L	1	6/22/2021 3:30:29 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/22/2021 3:30:29 PM
Methylene Chloride	ND	3.0		µg/L	1	6/22/2021 3:30:29 PM
n-Butylbenzene	4.5	3.0		µg/L	1	6/22/2021 3:30:29 PM
n-Propylbenzene	40	1.0		µg/L	1	6/22/2021 3:30:29 PM
sec-Butylbenzene	3.5	1.0		µg/L	1	6/22/2021 3:30:29 PM
Styrene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/22/2021 3:30:29 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/22/2021 3:30:29 PM
Vinyl chloride	ND	1.0		µg/L	1	6/22/2021 3:30:29 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2021 3:30:29 PM
Surr: 1,2-Dichloroethane-d4	135	70-130	S	%Rec	1	6/22/2021 3:30:29 PM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	6/22/2021 3:30:29 PM
Surr: Dibromofluoromethane	94.4	70-130		%Rec	1	6/22/2021 3:30:29 PM
Surr: Toluene-d8	107	70-130		%Rec	1	6/22/2021 3:30:29 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: MW-4R
Project: Atex 213
Collection Date: 6/17/2021 10:40:00 AM
Lab ID: 2106985-002 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
Benzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Toluene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Ethylbenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Methyl tert-butyl ether (MTBE)	1.3	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Naphthalene	ND	2.0		µg/L	1	6/22/2021 4:56:43 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 4:56:43 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 4:56:43 PM
Acetone	ND	10		µg/L	1	6/22/2021 4:56:43 PM
Bromobenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Bromoform	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Bromomethane	ND	3.0		µg/L	1	6/22/2021 4:56:43 PM
2-Butanone	ND	10		µg/L	1	6/22/2021 4:56:43 PM
Carbon disulfide	ND	10		µg/L	1	6/22/2021 4:56:43 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Chlorobenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Chloroethane	ND	2.0		µg/L	1	6/22/2021 4:56:43 PM
Chloroform	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Chloromethane	ND	3.0		µg/L	1	6/22/2021 4:56:43 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/22/2021 4:56:43 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Dibromomethane	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/22/2021 4:56:43 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: MW-4R
Project: Atex 213
Collection Date: 6/17/2021 10:40:00 AM
Lab ID: 2106985-002 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
1,1-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
2-Hexanone	ND	10		µg/L	1	6/22/2021 4:56:43 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/22/2021 4:56:43 PM
Methylene Chloride	ND	3.0		µg/L	1	6/22/2021 4:56:43 PM
n-Butylbenzene	ND	3.0		µg/L	1	6/22/2021 4:56:43 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Styrene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/22/2021 4:56:43 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/22/2021 4:56:43 PM
Vinyl chloride	ND	1.0		µg/L	1	6/22/2021 4:56:43 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2021 4:56:43 PM
Surr: 1,2-Dichloroethane-d4	122	70-130		%Rec	1	6/22/2021 4:56:43 PM
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	6/22/2021 4:56:43 PM
Surr: Dibromofluoromethane	102	70-130		%Rec	1	6/22/2021 4:56:43 PM
Surr: Toluene-d8	105	70-130		%Rec	1	6/22/2021 4:56:43 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: MW-6RR
Project: Atex 213
Collection Date: 6/17/2021 2:57:00 PM
Lab ID: 2106985-003 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
Benzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Toluene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Ethylbenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Naphthalene	ND	2.0		µg/L	1	6/22/2021 5:25:29 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 5:25:29 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 5:25:29 PM
Acetone	ND	10		µg/L	1	6/22/2021 5:25:29 PM
Bromobenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Bromoform	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Bromomethane	ND	3.0		µg/L	1	6/22/2021 5:25:29 PM
2-Butanone	ND	10		µg/L	1	6/22/2021 5:25:29 PM
Carbon disulfide	ND	10		µg/L	1	6/22/2021 5:25:29 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Chlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Chloroethane	ND	2.0		µg/L	1	6/22/2021 5:25:29 PM
Chloroform	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Chloromethane	ND	3.0		µg/L	1	6/22/2021 5:25:29 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/22/2021 5:25:29 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Dibromomethane	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/22/2021 5:25:29 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: MW-6RR
Project: Atex 213
Collection Date: 6/17/2021 2:57:00 PM
Lab ID: 2106985-003 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
1,1-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
2-Hexanone	ND	10		µg/L	1	6/22/2021 5:25:29 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/22/2021 5:25:29 PM
Methylene Chloride	ND	3.0		µg/L	1	6/22/2021 5:25:29 PM
n-Butylbenzene	ND	3.0		µg/L	1	6/22/2021 5:25:29 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Styrene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/22/2021 5:25:29 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/22/2021 5:25:29 PM
Vinyl chloride	ND	1.0		µg/L	1	6/22/2021 5:25:29 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2021 5:25:29 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	6/22/2021 5:25:29 PM
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	6/22/2021 5:25:29 PM
Surr: Dibromofluoromethane	108	70-130		%Rec	1	6/22/2021 5:25:29 PM
Surr: Toluene-d8	111	70-130		%Rec	1	6/22/2021 5:25:29 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: MW-38
Project: Atex 213
Collection Date: 6/17/2021 11:42:00 AM
Lab ID: 2106985-004 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
Benzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Toluene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Ethylbenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Naphthalene	ND	2.0		µg/L	1	6/22/2021 5:54:16 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 5:54:16 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 5:54:16 PM
Acetone	ND	10		µg/L	1	6/22/2021 5:54:16 PM
Bromobenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Bromoform	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Bromomethane	ND	3.0		µg/L	1	6/22/2021 5:54:16 PM
2-Butanone	ND	10		µg/L	1	6/22/2021 5:54:16 PM
Carbon disulfide	ND	10		µg/L	1	6/22/2021 5:54:16 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Chlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Chloroethane	ND	2.0		µg/L	1	6/22/2021 5:54:16 PM
Chloroform	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Chloromethane	ND	3.0		µg/L	1	6/22/2021 5:54:16 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/22/2021 5:54:16 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Dibromomethane	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/22/2021 5:54:16 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: MW-38
Project: Atex 213
Collection Date: 6/17/2021 11:42:00 AM
Lab ID: 2106985-004 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
1,1-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
2-Hexanone	ND	10		µg/L	1	6/22/2021 5:54:16 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/22/2021 5:54:16 PM
Methylene Chloride	ND	3.0		µg/L	1	6/22/2021 5:54:16 PM
n-Butylbenzene	ND	3.0		µg/L	1	6/22/2021 5:54:16 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Styrene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/22/2021 5:54:16 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/22/2021 5:54:16 PM
Vinyl chloride	ND	1.0		µg/L	1	6/22/2021 5:54:16 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2021 5:54:16 PM
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	6/22/2021 5:54:16 PM
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	6/22/2021 5:54:16 PM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	6/22/2021 5:54:16 PM
Surr: Toluene-d8	112	70-130		%Rec	1	6/22/2021 5:54:16 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: NMW-1
Project: Atex 213
Collection Date: 6/17/2021 1:58:00 PM
Lab ID: 2106985-005 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
Benzene	56	1.0		µg/L	1	6/22/2021 6:23:05 PM
Toluene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Ethylbenzene	3.1	1.0		µg/L	1	6/22/2021 6:23:05 PM
Methyl tert-butyl ether (MTBE)	11	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Naphthalene	14	2.0		µg/L	1	6/22/2021 6:23:05 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 6:23:05 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 6:23:05 PM
Acetone	ND	10		µg/L	1	6/22/2021 6:23:05 PM
Bromobenzene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Bromoform	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Bromomethane	ND	3.0		µg/L	1	6/22/2021 6:23:05 PM
2-Butanone	ND	10		µg/L	1	6/22/2021 6:23:05 PM
Carbon disulfide	ND	10		µg/L	1	6/22/2021 6:23:05 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Chlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Chloroethane	ND	2.0		µg/L	1	6/22/2021 6:23:05 PM
Chloroform	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Chloromethane	ND	3.0		µg/L	1	6/22/2021 6:23:05 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/22/2021 6:23:05 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Dibromomethane	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/22/2021 6:23:05 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: NMW-1
Project: Atex 213
Collection Date: 6/17/2021 1:58:00 PM
Lab ID: 2106985-005 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
1,1-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
2-Hexanone	ND	10		µg/L	1	6/22/2021 6:23:05 PM
Isopropylbenzene	6.0	1.0		µg/L	1	6/22/2021 6:23:05 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/22/2021 6:23:05 PM
Methylene Chloride	ND	3.0		µg/L	1	6/22/2021 6:23:05 PM
n-Butylbenzene	ND	3.0		µg/L	1	6/22/2021 6:23:05 PM
n-Propylbenzene	16	1.0		µg/L	1	6/22/2021 6:23:05 PM
sec-Butylbenzene	2.0	1.0		µg/L	1	6/22/2021 6:23:05 PM
Styrene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/22/2021 6:23:05 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/22/2021 6:23:05 PM
Vinyl chloride	ND	1.0		µg/L	1	6/22/2021 6:23:05 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2021 6:23:05 PM
Surr: 1,2-Dichloroethane-d4	145	70-130	S	%Rec	1	6/22/2021 6:23:05 PM
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	6/22/2021 6:23:05 PM
Surr: Dibromofluoromethane	93.1	70-130		%Rec	1	6/22/2021 6:23:05 PM
Surr: Toluene-d8	114	70-130		%Rec	1	6/22/2021 6:23:05 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: NMW-4R
Project: Atex 213
Collection Date: 6/17/2021 11:10:00 AM
Lab ID: 2106985-006 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
Benzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Toluene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Ethylbenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Methyl tert-butyl ether (MTBE)	3.1	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Naphthalene	ND	2.0		µg/L	1	6/22/2021 6:51:54 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 6:51:54 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 6:51:54 PM
Acetone	ND	10		µg/L	1	6/22/2021 6:51:54 PM
Bromobenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Bromoform	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Bromomethane	ND	3.0		µg/L	1	6/22/2021 6:51:54 PM
2-Butanone	ND	10		µg/L	1	6/22/2021 6:51:54 PM
Carbon disulfide	ND	10		µg/L	1	6/22/2021 6:51:54 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Chlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Chloroethane	ND	2.0		µg/L	1	6/22/2021 6:51:54 PM
Chloroform	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Chloromethane	ND	3.0		µg/L	1	6/22/2021 6:51:54 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/22/2021 6:51:54 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Dibromomethane	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/22/2021 6:51:54 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: NMW-4R
Project: Atex 213
Collection Date: 6/17/2021 11:10:00 AM
Lab ID: 2106985-006 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
1,1-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
2-Hexanone	ND	10		µg/L	1	6/22/2021 6:51:54 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/22/2021 6:51:54 PM
Methylene Chloride	ND	3.0		µg/L	1	6/22/2021 6:51:54 PM
n-Butylbenzene	ND	3.0		µg/L	1	6/22/2021 6:51:54 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Styrene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/22/2021 6:51:54 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/22/2021 6:51:54 PM
Vinyl chloride	ND	1.0		µg/L	1	6/22/2021 6:51:54 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2021 6:51:54 PM
Surr: 1,2-Dichloroethane-d4	129	70-130		%Rec	1	6/22/2021 6:51:54 PM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	6/22/2021 6:51:54 PM
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	6/22/2021 6:51:54 PM
Surr: Toluene-d8	109	70-130		%Rec	1	6/22/2021 6:51:54 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: RNMW-2
Project: Atex 213
Collection Date: 6/17/2021 2:29:00 PM
Lab ID: 2106985-007
Matrix: AQUEOUS
Received Date: 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
Benzene	13	2.0		µg/L	2	6/22/2021 7:20:43 PM
Toluene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Ethylbenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Methyl tert-butyl ether (MTBE)	44	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Naphthalene	ND	4.0		µg/L	2	6/22/2021 7:20:43 PM
1-Methylnaphthalene	ND	8.0		µg/L	2	6/22/2021 7:20:43 PM
2-Methylnaphthalene	ND	8.0		µg/L	2	6/22/2021 7:20:43 PM
Acetone	ND	20		µg/L	2	6/22/2021 7:20:43 PM
Bromobenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Bromodichloromethane	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Bromoform	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Bromomethane	ND	6.0		µg/L	2	6/22/2021 7:20:43 PM
2-Butanone	ND	20		µg/L	2	6/22/2021 7:20:43 PM
Carbon disulfide	ND	20		µg/L	2	6/22/2021 7:20:43 PM
Carbon Tetrachloride	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Chlorobenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Chloroethane	ND	4.0		µg/L	2	6/22/2021 7:20:43 PM
Chloroform	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Chloromethane	ND	6.0		µg/L	2	6/22/2021 7:20:43 PM
2-Chlorotoluene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
4-Chlorotoluene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
cis-1,2-DCE	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	6/22/2021 7:20:43 PM
Dibromochloromethane	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Dibromomethane	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,2-Dichlorobenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,3-Dichlorobenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,4-Dichlorobenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Dichlorodifluoromethane	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,1-Dichloroethane	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,1-Dichloroethene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,2-Dichloropropane	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,3-Dichloropropane	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
2,2-Dichloropropane	ND	4.0		µg/L	2	6/22/2021 7:20:43 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: RNMW-2
Project: Atex 213
Collection Date: 6/17/2021 2:29:00 PM
Lab ID: 2106985-007 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
1,1-Dichloropropene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Hexachlorobutadiene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
2-Hexanone	ND	20		µg/L	2	6/22/2021 7:20:43 PM
Isopropylbenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
4-Isopropyltoluene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
4-Methyl-2-pentanone	ND	20		µg/L	2	6/22/2021 7:20:43 PM
Methylene Chloride	ND	6.0		µg/L	2	6/22/2021 7:20:43 PM
n-Butylbenzene	ND	6.0		µg/L	2	6/22/2021 7:20:43 PM
n-Propylbenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
sec-Butylbenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Styrene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
tert-Butylbenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	6/22/2021 7:20:43 PM
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
trans-1,2-DCE	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,1,1-Trichloroethane	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,1,2-Trichloroethane	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Trichloroethene (TCE)	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Trichlorofluoromethane	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
1,2,3-Trichloropropane	ND	4.0		µg/L	2	6/22/2021 7:20:43 PM
Vinyl chloride	ND	2.0		µg/L	2	6/22/2021 7:20:43 PM
Xylenes, Total	ND	3.0		µg/L	2	6/22/2021 7:20:43 PM
Surr: 1,2-Dichloroethane-d4	137	70-130	S	%Rec	2	6/22/2021 7:20:43 PM
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	2	6/22/2021 7:20:43 PM
Surr: Dibromofluoromethane	99.7	70-130		%Rec	2	6/22/2021 7:20:43 PM
Surr: Toluene-d8	110	70-130		%Rec	2	6/22/2021 7:20:43 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: RNMW-3
Project: Atex 213
Collection Date: 6/17/2021 12:50:00 PM
Lab ID: 2106985-008 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
Benzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Toluene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Ethylbenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Methyl tert-butyl ether (MTBE)	11	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Naphthalene	ND	2.0		µg/L	1	6/22/2021 7:49:29 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 7:49:29 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 7:49:29 PM
Acetone	ND	10		µg/L	1	6/22/2021 7:49:29 PM
Bromobenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Bromoform	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Bromomethane	ND	3.0		µg/L	1	6/22/2021 7:49:29 PM
2-Butanone	ND	10		µg/L	1	6/22/2021 7:49:29 PM
Carbon disulfide	ND	10		µg/L	1	6/22/2021 7:49:29 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Chlorobenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Chloroethane	ND	2.0		µg/L	1	6/22/2021 7:49:29 PM
Chloroform	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Chloromethane	ND	3.0		µg/L	1	6/22/2021 7:49:29 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/22/2021 7:49:29 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Dibromomethane	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/22/2021 7:49:29 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: RNMW-3
Project: Atex 213
Collection Date: 6/17/2021 12:50:00 PM
Lab ID: 2106985-008 **Matrix:** AQUEOUS **Received Date:** 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
1,1-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
2-Hexanone	ND	10		µg/L	1	6/22/2021 7:49:29 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/22/2021 7:49:29 PM
Methylene Chloride	ND	3.0		µg/L	1	6/22/2021 7:49:29 PM
n-Butylbenzene	ND	3.0		µg/L	1	6/22/2021 7:49:29 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Styrene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/22/2021 7:49:29 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/22/2021 7:49:29 PM
Vinyl chloride	ND	1.0		µg/L	1	6/22/2021 7:49:29 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2021 7:49:29 PM
Surr: 1,2-Dichloroethane-d4	131	70-130	S	%Rec	1	6/22/2021 7:49:29 PM
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	6/22/2021 7:49:29 PM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	6/22/2021 7:49:29 PM
Surr: Toluene-d8	108	70-130		%Rec	1	6/22/2021 7:49:29 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: Trip Blank
Project: Atex 213
Collection Date:
Lab ID: 2106985-009
Matrix: TRIP BLANK
Received Date: 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
Benzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Toluene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Ethylbenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Naphthalene	ND	2.0		µg/L	1	6/22/2021 8:18:11 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 8:18:11 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/22/2021 8:18:11 PM
Acetone	ND	10		µg/L	1	6/22/2021 8:18:11 PM
Bromobenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Bromoform	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Bromomethane	ND	3.0		µg/L	1	6/22/2021 8:18:11 PM
2-Butanone	ND	10		µg/L	1	6/22/2021 8:18:11 PM
Carbon disulfide	ND	10		µg/L	1	6/22/2021 8:18:11 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Chlorobenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Chloroethane	ND	2.0		µg/L	1	6/22/2021 8:18:11 PM
Chloroform	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Chloromethane	ND	3.0		µg/L	1	6/22/2021 8:18:11 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/22/2021 8:18:11 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Dibromomethane	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/22/2021 8:18:11 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering, Science and Technology
Client Sample ID: Trip Blank
Project: Atex 213
Collection Date:
Lab ID: 2106985-009
Matrix: TRIP BLANK
Received Date: 6/17/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
1,1-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
2-Hexanone	ND	10		µg/L	1	6/22/2021 8:18:11 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/22/2021 8:18:11 PM
Methylene Chloride	ND	3.0		µg/L	1	6/22/2021 8:18:11 PM
n-Butylbenzene	ND	3.0		µg/L	1	6/22/2021 8:18:11 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Styrene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/22/2021 8:18:11 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/22/2021 8:18:11 PM
Vinyl chloride	ND	1.0		µg/L	1	6/22/2021 8:18:11 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2021 8:18:11 PM
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	6/22/2021 8:18:11 PM
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	6/22/2021 8:18:11 PM
Surr: Dibromofluoromethane	98.9	70-130		%Rec	1	6/22/2021 8:18:11 PM
Surr: Toluene-d8	105	70-130		%Rec	1	6/22/2021 8:18:11 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2106985**

25-Jun-21

Client: EA Engineering, Science and Technology

Project: Atex 213

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **A79278**	RunNo: **79278**
Prep Date:	Analysis Date: **6/22/2021**	SeqNo: **2784564** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	107	70	130			
Toluene	22	1.0	20.00	0	109	70	130			
Chlorobenzene	19	1.0	20.00	0	95.7	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	106	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		110	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.0	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A79278**	RunNo: **79278**
Prep Date:	Analysis Date: **6/22/2021**	SeqNo: **2784565** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2106985**
25-Jun-21

Client: EA Engineering, Science and Technology
Project: Atex 213

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A79278**	RunNo: **79278**
Prep Date:	Analysis Date: **6/22/2021**	SeqNo: **2784565** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2106985**

25-Jun-21

Client: EA Engineering, Science and Technology

Project: Atex 213

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A79278**	RunNo: **79278**
Prep Date:	Analysis Date: **6/22/2021**	SeqNo: **2784565** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	12		10.00		122	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	10		10.00		104	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID: **2106985-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **MW-1R**	Batch ID: **A79278**	RunNo: **79278**
Prep Date:	Analysis Date: **6/22/2021**	SeqNo: **2784567** 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	23	1.0	20.00	0.3072	112	70	130			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	98.6	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	14		10.00		140	70	130			S
Surr: 4-Bromofluorobenzene	9.5		10.00		94.5	70	130			
Surr: Dibromofluoromethane	9.6		10.00		95.8	70	130			
Surr: Toluene-d8	11		10.00		109	70	130			

Sample ID: **2106985-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **MW-1R**	Batch ID: **A79278**	RunNo: **79278**
Prep Date:	Analysis Date: **6/22/2021**	SeqNo: **2784568** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	100	70	130	1.62	20	
Toluene	21	1.0	20.00	0.3072	105	70	130	6.77	20	
Chlorobenzene	20	1.0	20.00	0	97.9	70	130	4.74	20	
1,1-Dichloroethene	19	1.0	20.00	0	96.9	70	130	1.79	20	
Trichloroethene (TCE)	19	1.0	20.00	0	94.6	70	130	7.34	20	
Surr: 1,2-Dichloroethane-d4	14		10.00		145	70	130	0	0	S
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130	0	0	
Surr: Dibromofluoromethane	9.6		10.00		95.7	70	130	0	0	
Surr: Toluene-d8	11		10.00		105	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **EA Engineering** Work Order Number: **2106985** RcptNo: 1

Received By: **Scott Anderson** **6/17/2021 4:45:00 PM** SPL

Completed By: **Isaiah Ortiz** **6/18/2021 8:20:05 AM** I-Ox

Reviewed By: DAD 6.18.21

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☐	No ☑	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: T.C. 6-18-21

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	7.8	Good	Not Present			

Chain-of-Custody Record

Client: EA ENGINEERING

Mailing Address: 320 Gold AVE SW
Suite 1300 ABQ NM

Phone #: (505) 369-3149

email or Fax#: mmcvey@eaest.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: ATEX 213

Project #: 22301

Project Manager: M. McVey

Sampler: G. Begaye

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 7.8-0=7.8(°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. (JO 6.18.21) 2106985	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) - 8260B (VOC)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6/17/21	1214	A	MW-1R	3x40ml	HgCl2	001								X		
	1040		MW-4R			002								X		
	1457		MW-6RR			003								X		
	1142		MW-38			004								X		
	1358		NMW-1			005								X		
	1110		NMW-4R			006								X		
	1429		RNMW-2			007								X		
	1250		RNMW-3			008								X		
			TRIP BLANK			009										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
6/17/21	1645	Graham Begaye	SPA	CDO	6.17.21	16:45
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

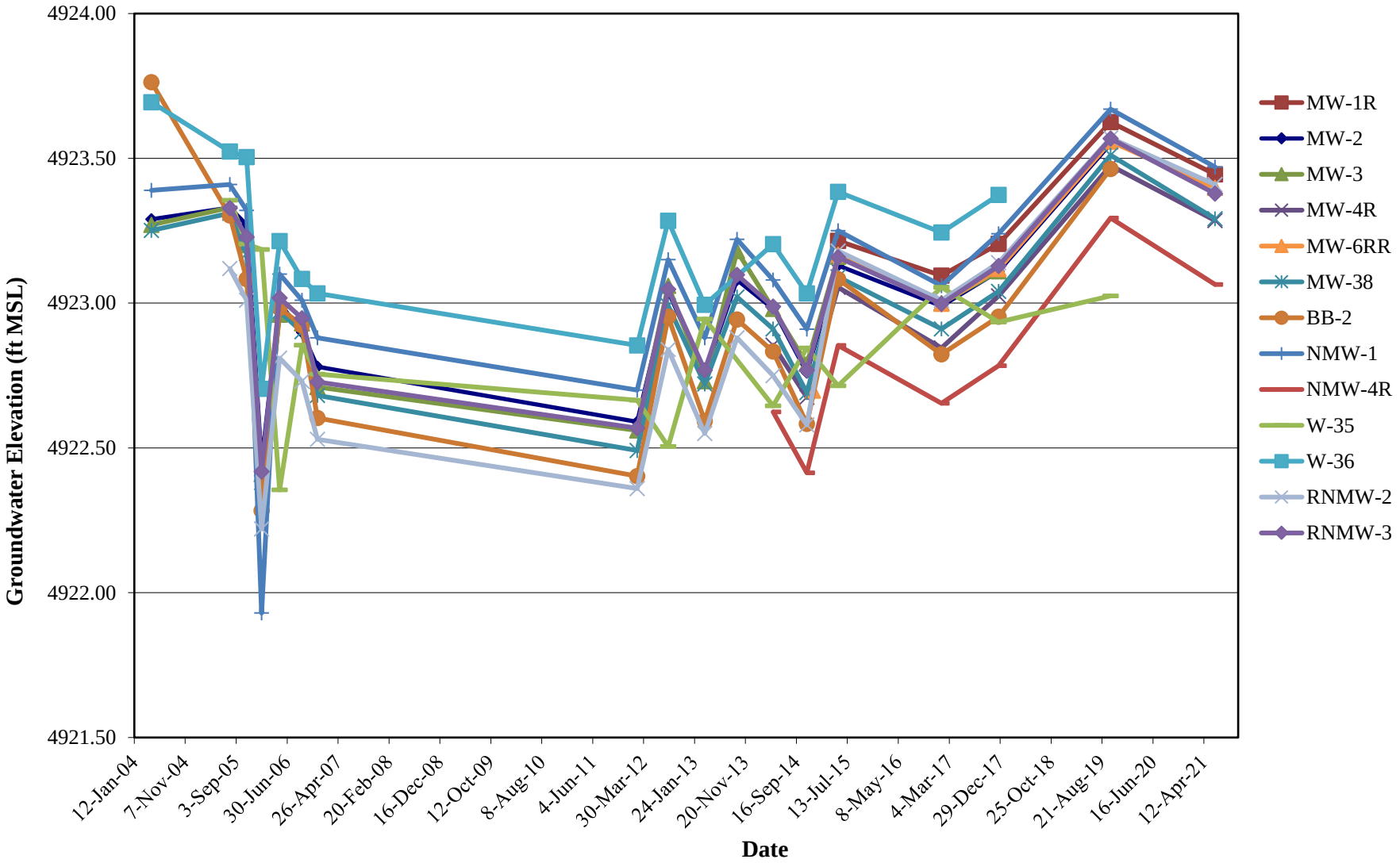
Remarks:

1 of 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.

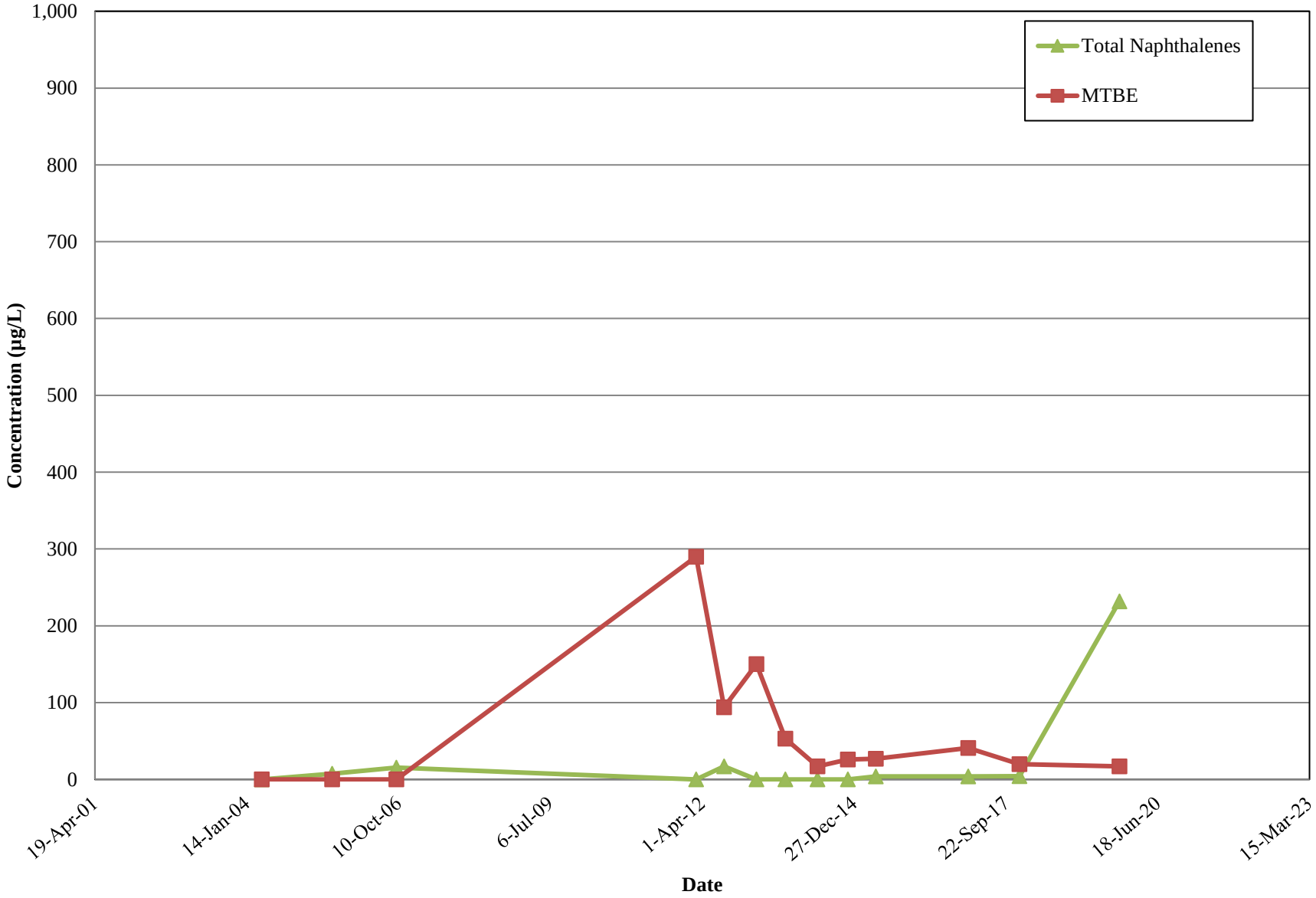
APPENDIX C
HYDROGRAPH

HYDROGRAPH FOR SITE MONITORING WELLS
ATEX 213, ALBUQUERQUE, NEW MEXICO

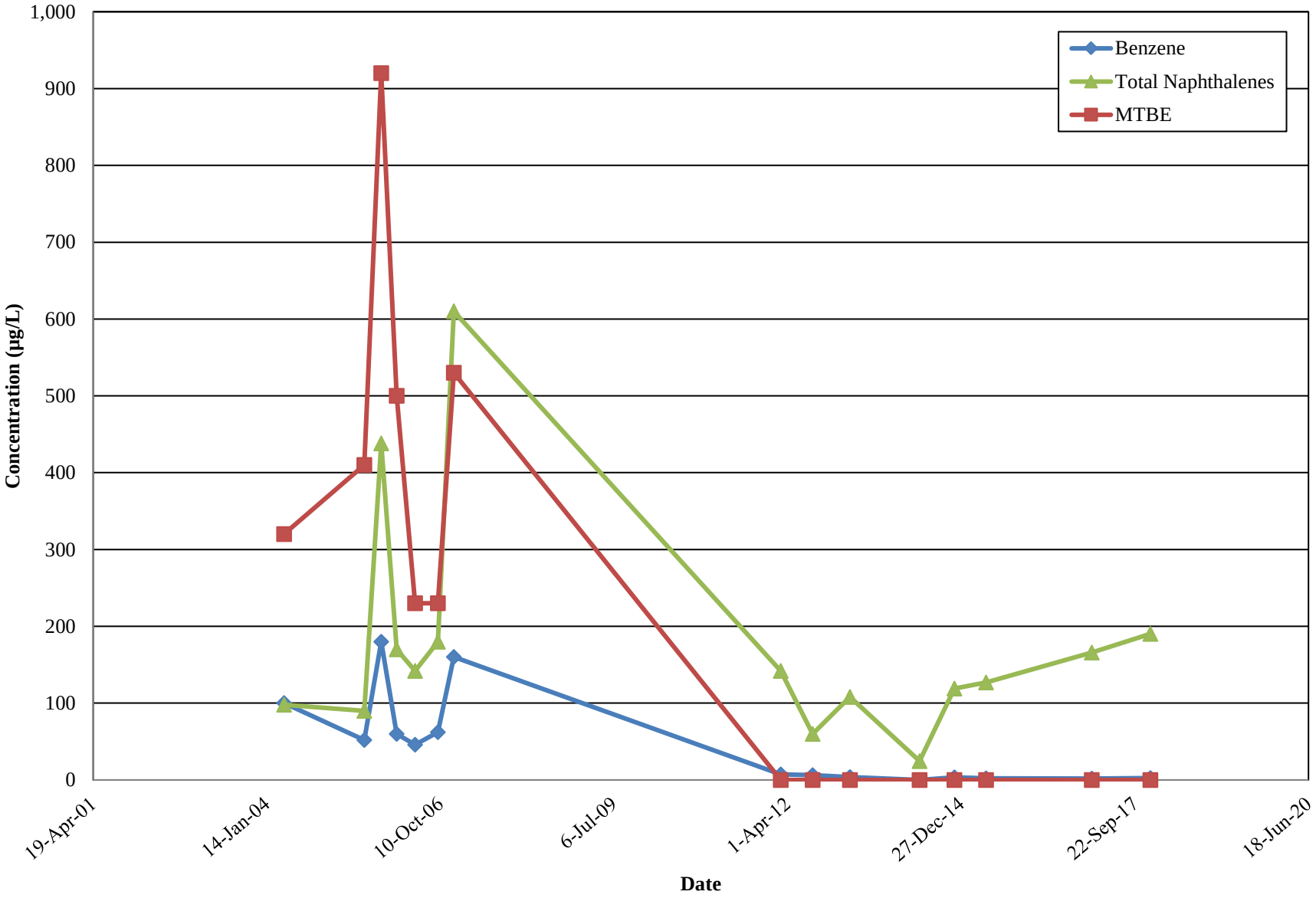


APPENDIX D
CONTAMINANT CONCENTRATION TRENDS

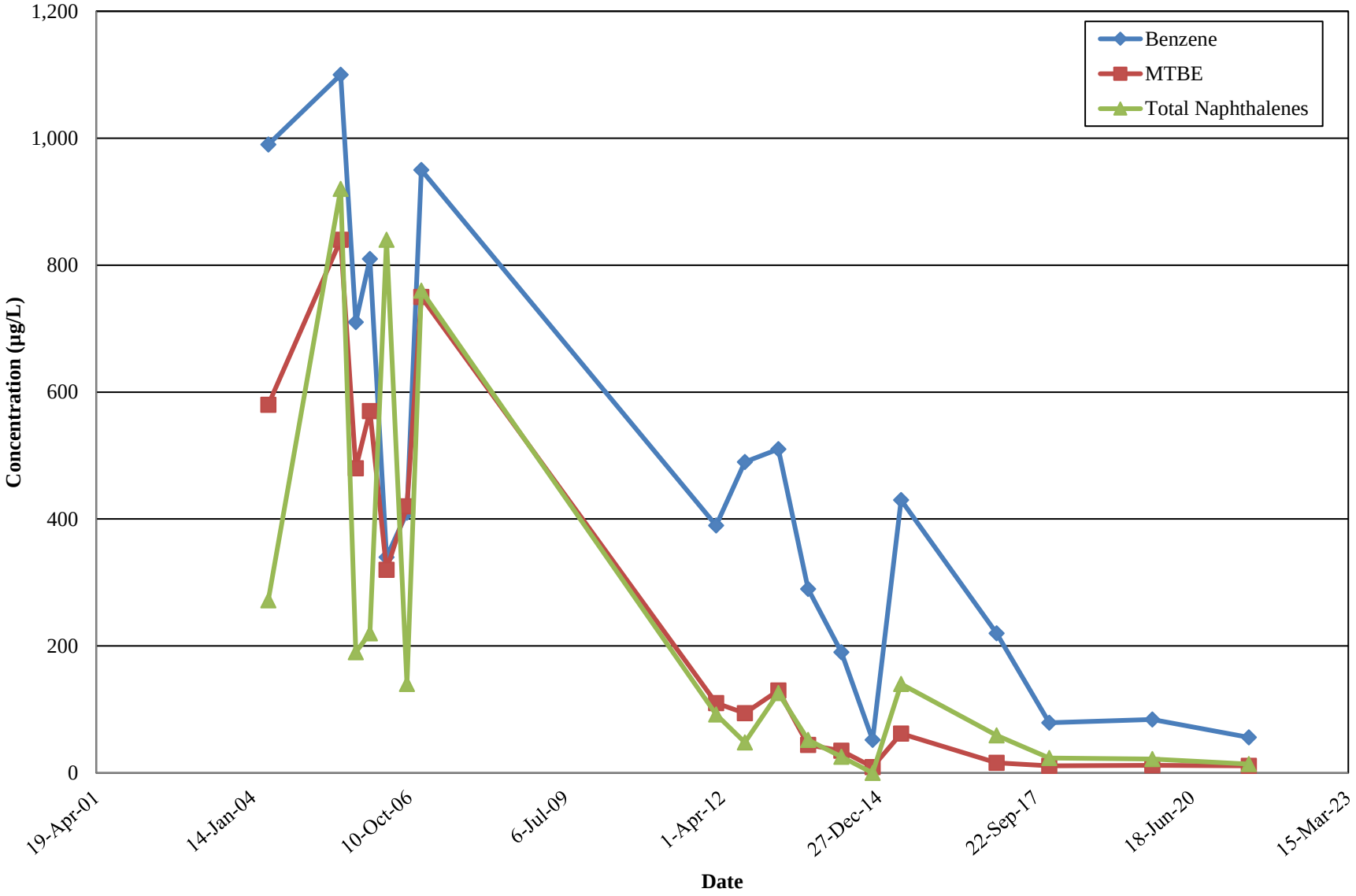
CONCENTRATION TRENDS IN BB-2
ATEX 213, ALBUQUERQUE, NEW MEXICO



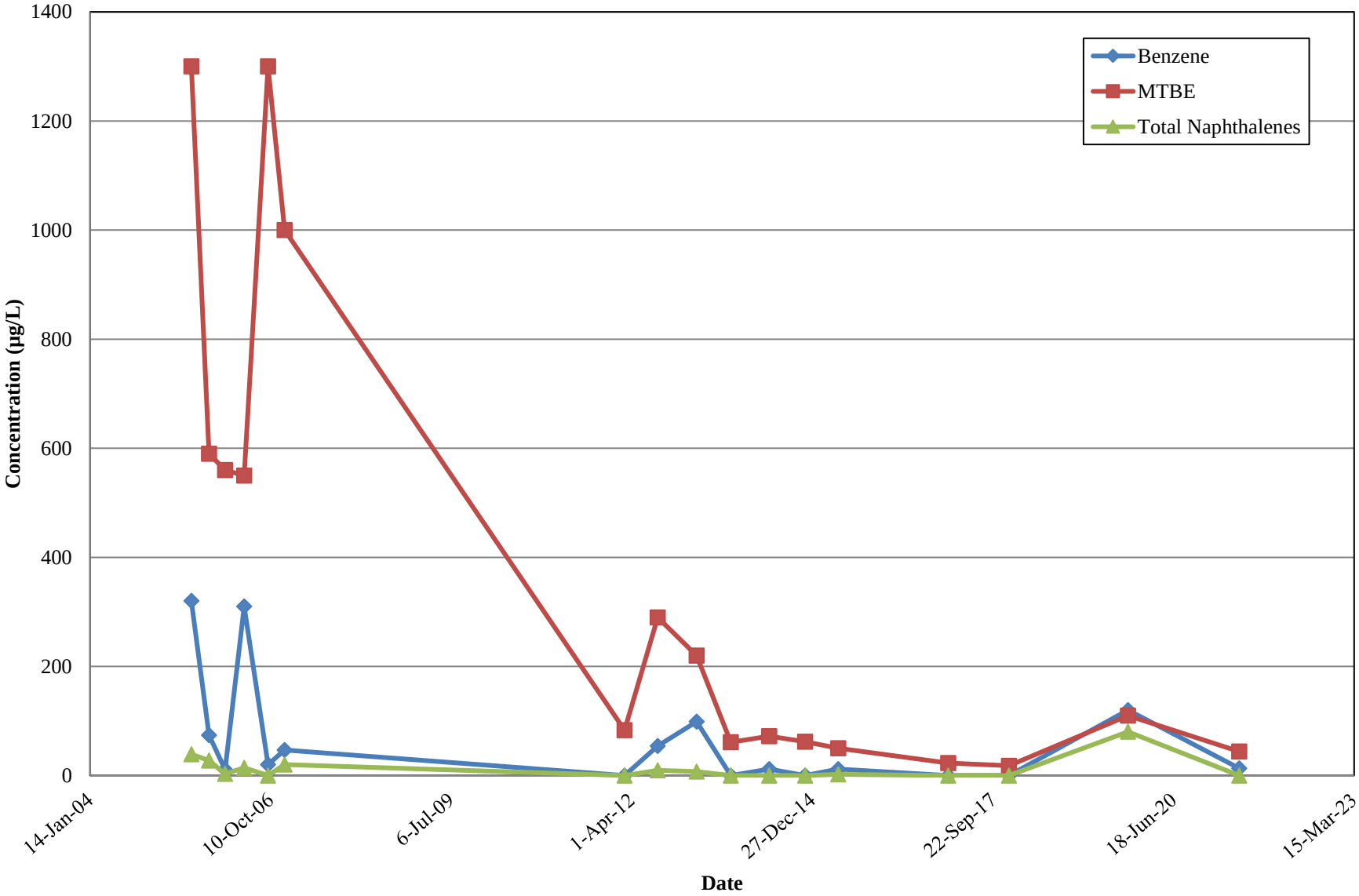
CONCENTRATION TRENDS IN MW-3
ATEX 213, ALBUQUERQUE, NEW MEXICO



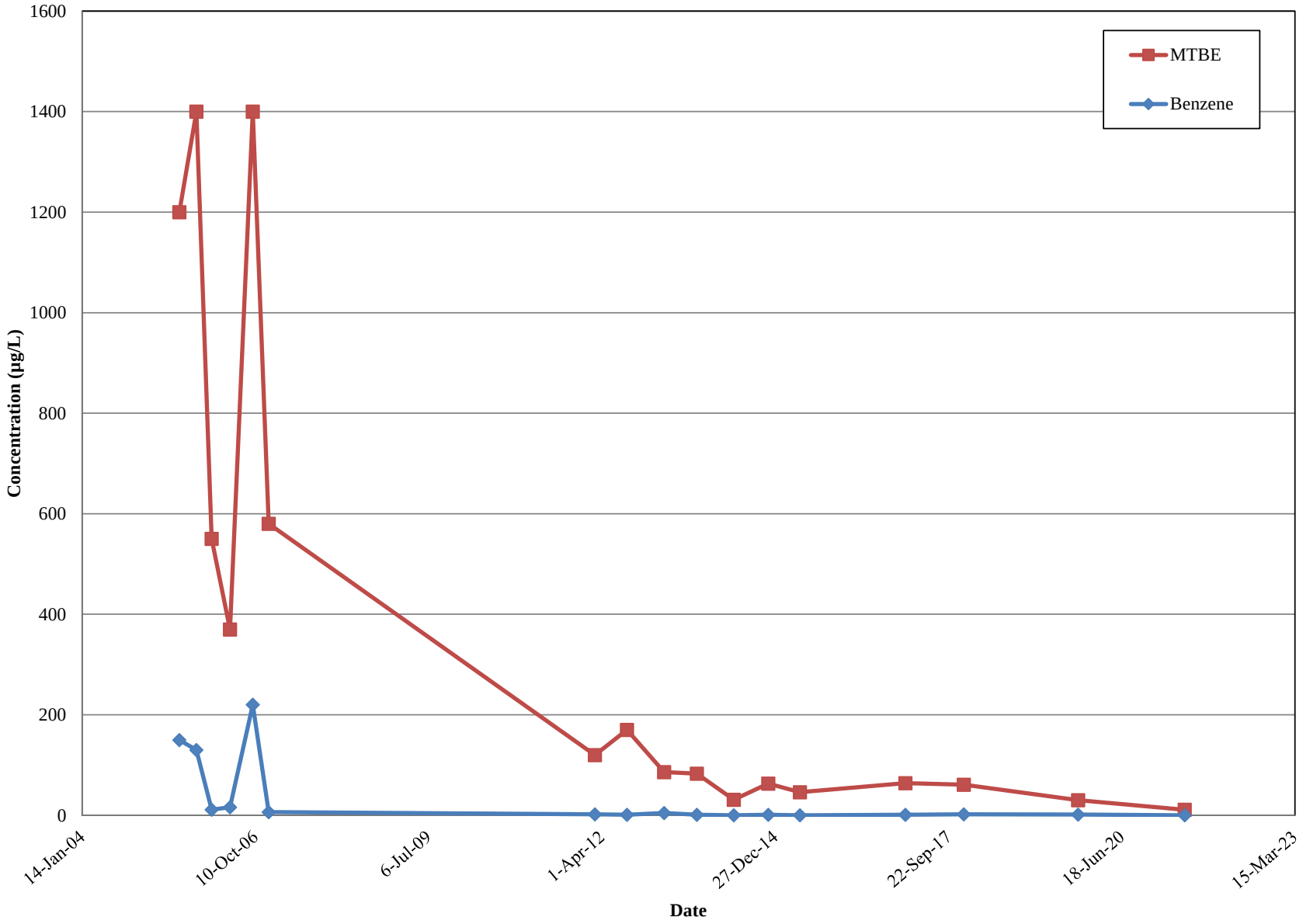
CONCENTRATION TRENDS IN NMW-1
ATEX 213, ALBUQUERQUE, NEW MEXICO



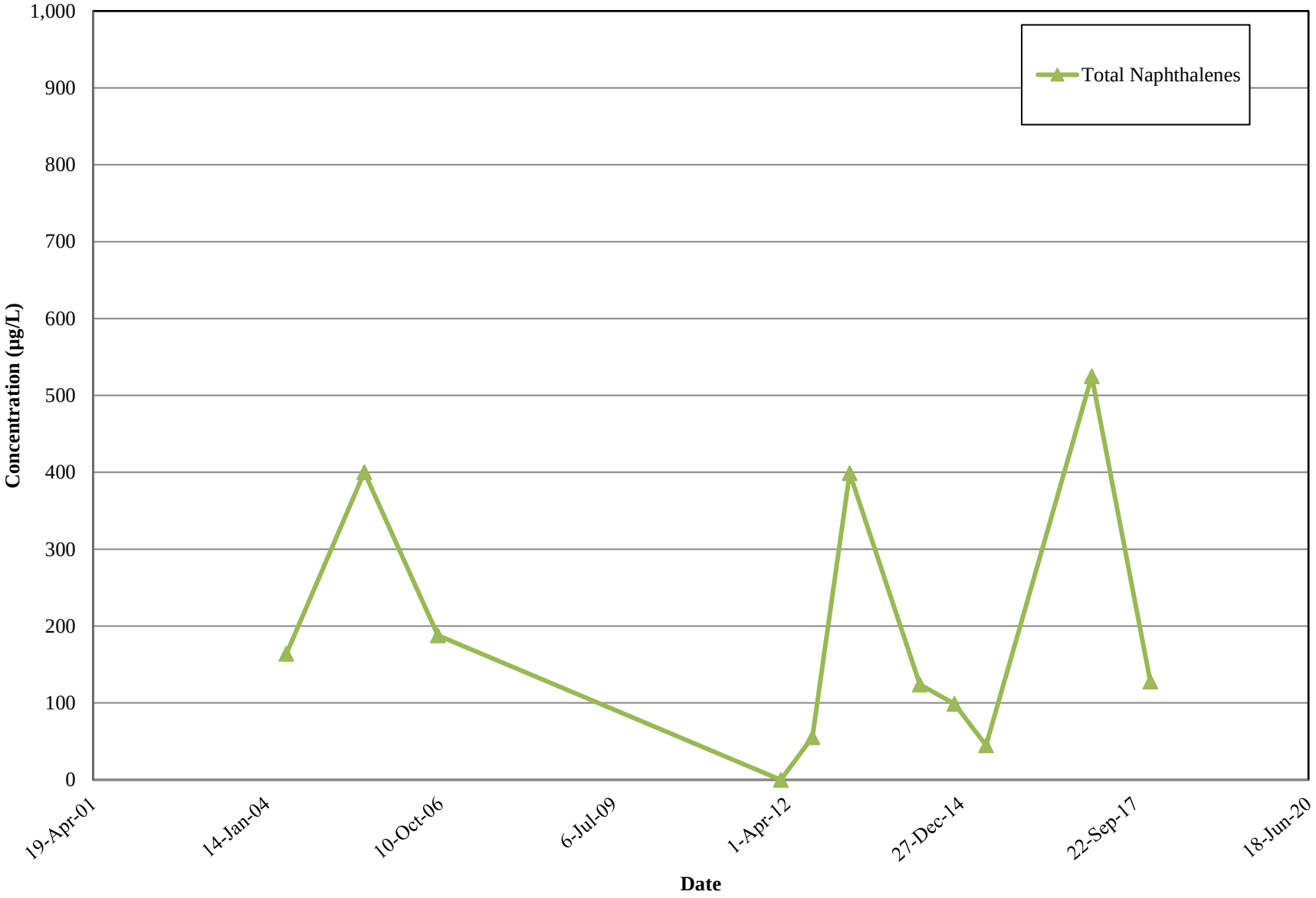
CONCENTRATION TRENDS IN RNMW-2
ATEX 213, ALBUQUERQUE, NEW MEXICO



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



CONCENTRATION TRENDS IN W-35
ATEX 213, ALBUQUERQUE, NEW MEXICO



CONCENTRATION TRENDS IN W-36
ATEX 213, ALBUQUERQUE, NEW MEXICO