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February 12, 2014

2014 FEB 17 AM 11: 22

Mr. Leonard Lowe
Environmental Bureau Chief
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

**RE: Second 2013 Semiannual Groundwater Monitoring Report
Former DCP Lee Gas Plant (GW-002)
Unit N Section 30, Township 17 South, Range 35 East**

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review one copy of the Second 2013 Semiannual Groundwater Monitoring Report for the Former DCP Lee Gas Plant located in Lea County, New Mexico (Unit N Section 30, Township 17 South, Range 35 East).

Groundwater monitoring activities were completed December 4, 2013. The data indicate that the dissolved phase hydrocarbon plume continues to attenuate to below NM WQCC groundwater standards before reaching the down-gradient boundary wells. The next groundwater monitoring event is scheduled for the first half of 2014.

If you have any questions regarding the report, please call at 303-605-1695 or e-mail me CECole@dcpmidstream.com.

Sincerely,

DCP Midstream, LP

Chandler E Cole
Senior Environmental Specialist

Enclosure

cc: Larry Johnson – OCD District Office, Hobbs
Environmental Files

Second Half Semi-Annual 2013 Groundwater Monitoring Summary Report

Former Lee Gas Plant
Lea County, New Mexico
GW-002

Prepared for:



370 17th St., Suite 2500
Denver, CO 80202

Prepared by:



6899 Pecos Street, Unit C
Denver, Colorado 80221

January 28, 2014

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1. Introduction

This report summarizes the results of the second half semi-annual groundwater monitoring and free phase hydrocarbon removal activities at the Former Lee Gas Plant (Site) in Lea County, New Mexico (Figure 1). Tasman Geosciences, LLC (Tasman) conducted these activities on behalf of DCP Midstream, LP (DCP). The field activities performed during the reporting period were conducted with the purpose of monitoring groundwater flow and quality conditions and assessing the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons in the Site subsurface. Current Site conditions were evaluated from field data and analytical laboratory results collected during the second half of 2013 as well as data collected during previous reporting periods.

2. Site Location and Background

The Site is located in the southwest quarter of the southeast quarter of Section 30, Township 17 South, Range 35 East (approximate coordinates 32.800 degrees north and -103.495 degrees west). It is approximately 0.45 miles southeast of the intersection of US Highway 238 and County Road 50. The area is sparsely populated and land use is primarily associated with livestock grazing and oil and gas production and gathering.

According to information provided in previous Site investigation reports, Lee was historically used as a gas processing and compression plant. In 1988, Phillips 66 Natural Gas Company was ordered to install four monitoring wells (MW-1 through MW-4) in accordance with the Resource Conservation and Recovery Act (RCRA). The first groundwater sampling event took place May 13, 1988 and identified impacts in the location of two former evaporation ponds north and east of the main plant. LNAPL was identified immediately above the water table at an approximate depth of 106 feet below ground surface. Several additional subsurface investigations took place in order to determine the extent of both the free and dissolved phase hydrocarbon plumes, requiring the installation of monitoring and recovery wells as specified below:

- MW-5 through MW-8 and RW-1: Installed May 1990; LNAPL recovery began on RW-1.
- MW-9 through MW-12: Installed October 1990.
- MW-13 and MW-14: Installed March 1991; MW-7, MW-8, and MW-10 were converted into recovery wells.
- MW-15 through MW-20: Installed February 1992.

Following installation of the final six wells, quarterly groundwater sampling commenced. BDM International, Inc. suggested initiation of additional remedial activities. A soil vapor extraction (SVE) and air sparge system operated between 1993 and 2004. Currently the Lee Gas Plant is sampled on a semi-annual basis.

3. Groundwater Monitoring

This section describes the groundwater field and laboratory activities performed during the reporting period. Monitoring activities included Site-wide groundwater gauging, LNAPL measurements, and groundwater sampling. Figure 2 illustrates the groundwater monitoring network utilized to perform these activities on December 4, 2013.

3.1 Groundwater and LNAPL Elevation Monitoring

Groundwater and LNAPL levels were measured in order to evaluate hydraulic characteristics and provide information regarding seasonal and annual fluctuations in groundwater elevations at the Site. During the second half semi-annual 2013 event, groundwater levels were measured at nineteen Site monitoring well locations.

Groundwater levels were measured on the north side of the well casing to the nearest 0.01-foot using an oil-water interface probe (IP). Groundwater level data were later converted to elevation (feet above mean sea level [AMSL]). Measured groundwater levels and calculated groundwater elevation data are presented in Table 1 and a second half semi-annual 2013 groundwater elevation contour map is illustrated on Figure 3. The presence of LNAPL, where detected by the IP, is also presented in Table 1.

Groundwater elevations ranged from 3,869.00 feet AMSL at monitoring well MW-20 to 3,872.83 feet AMSL at monitoring well MW-16. Groundwater flow at the Site generally trends to the southwest (Figure 3) with a gradient of approximately 0.0027 foot per foot between monitoring wells MW-16 and MW-20.

LNAPL was detected at the following locations, with measured thickness indicated in parenthesis:

- MW-5 (0.54-ft)
- MW-6 (0.09-ft)
- MW-8 (0.44-ft)
- MW-15 (0.22-ft)

3.2 Groundwater Quality Monitoring

Subsequent to the collection of groundwater level measurements at each monitoring well, groundwater samples were collected from fourteen of nineteen wells. Monitoring wells with detected LNAPL (MW-5, MW-6, MW-8, and MW-15), were not sampled. Additionally, MW-3 did not contain sufficient water to obtain a representative sample.

A minimum of three well casing volumes of groundwater were purged from each monitoring well prior to collecting groundwater samples. Groundwater samples were collected using dedicated polyethylene bailers, placed in clean laboratory supplied containers for the selected analytical methods and packed in an ice-filled cooler and maintained at approximately four degrees Celsius ($^{\circ}\text{C}$) for transportation to the

laboratory. Groundwater samples were shipped under chain-of-custody procedures to ALS Environmental (ALS) laboratory in Houston, Texas, for analysis.

Water quality samples were submitted for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260B.

Concentrations exceeding the applicable groundwater standard are summarized below.

- Benzene was detected at concentrations in excess of the New Mexico Water Quality Control Commission Standard of 0.01 milligrams per liter (mg/L) at six locations:
 - MW-7: 0.2 mg/L
 - MW-9: 9.4 mg/L
 - MW-10: 19.0 mg/L
 - MW-12: 3.7 mg/L
 - MW-14: 0.44 mg/L
 - MW-21: 1.8 mg/L
- LNAPL was detected at four (4) locations as indicated in Section 3.1 above.

Figure 4 shows all analytical results from the second half semi-annual 2013 event, in addition to the first half semi-annual 2013 analytical results.

Table 2 presents second half semi-annual 2013 analytical data as well as recent historical results. Laboratory analytical reports for the event are included in Appendix A. Historical analytical results through the December 2013 event are included in Appendix B.

3.3 Data Quality Assurance / Quality Control

A trip blank, matrix spike or matrix spike duplicate (MS/MSD) and one field duplicate sample (MW-9) were collected during the sampling event. The data were reviewed for compliance with the analytical method and the associated quality assurance/quality control (QA/QC) procedures. All samples were analyzed using the correct analytical methods and within the correct holding times. Chain of custody forms were in order and properly executed and indicate that samples were received at the proper temperature with no headspace. All data were reported using the correct method number and reporting units. The trip blank was fully in control, having no detections of targets.

Duplicate sample was in compliance with QA/QC standards. MW-9 and associated duplicate sample returned results for benzene of 9.4 mg/l and 9.1 mg/l, respectively.

The overall QA/QC assessment of the data, based on the data review, indicate that both field precision and overall data precision and accuracy are acceptable.

4. Remediation Activities

Measureable free phase hydrocarbons were detected during the reporting period in monitoring wells MW-5, MW-6, MW-8, and MW-15 as summarized in Table 2. LNAPL recovery at MW-15 was initiated during the reporting period as described below.

During the second half 2013, DCP installed a Clean Earth Technologies Magnum Spill Buster (Spill Buster) pump for automated LNAPL recovery at monitoring well MW-15. The Spill Buster is an automated free phase petroleum pumping system. It is specifically designed to remove LNAPL petroleum product from the water table. The Spill Buster's auto-seeking device allows the pump intake to automatically follow the elevation of the oil/water interface as it fluctuates in the recovery well. The unit is designed to specifically pump LNAPL material and will not pump any amount of water from the well.

The Spill Buster system is powered by a 24 VDC deep cycle battery/solar panel system located near the recovery well. An independent 100 gallon LNAPL collection tank with a high level cutoff switch is installed within a 150 gallon secondary containment trough near the recovery well. The Spill Buster pump and control equipment is housed in a secured enclosure and the discharge conveyance line is contained within a secondary containment pipe between the Spill Buster and the collection tank.

Spill Buster operation was initiated on September 14, 2013 and has operated continuously with little downtime due to pump cleaning and operational checks.

During the period between September 14, 2013 and December 4, 2013, the Spill Buster removed a total 129.54 gallons of LNAPL with an average extraction rate of 3.27 gallons per day (gpd). The extracted LNAPL material is subsequently disposed of at the Eunice, New Mexico disposal facility. A summary of LNAPL extraction is provided in the LNAPL Recovery Inspection table below.

LNAPL Recovery Tank Inspection Log

Date	Total Tank Depth (feet)	Depth to Product (feet)	Depth to Water (feet)	Volume of Product (gallons)	Volume of Water (gallons)	Accumulative Volume of Water & Product (Gallons)	Pump Rate (gallons per day)
Lee Booster Station - MW-15 Well (Spill Buster Installed 9/14/13)							
15-Sep-13	2.05	1.72	--	16.90	--	16.90	16.90
16-Sep-13	2.05	1.65	--	20.48	--	20.48	3.58
20-Sep-13	2.05	1.34	--	36.35	--	36.35	3.97
25-Sep-13	2.05	1.12	--	47.62	--	47.62	2.25
4-Oct-13	2.05	0.90	--	58.88	--	58.88	1.13
10-Oct-13	2.05	0.70	--	69.12	--	69.12	1.71
17-Oct-13	2.05	0.44	--	82.43	--	82.43	1.90
25-Oct-13	2.05	0.35	--	87.04	--	87.04	0.58
Tank emptied on October 31, 2013							
13-Nov-13	2.05	1.84	--	10.75	--	97.79	0.83
22-Nov-13	2.05	1.50	--	28.16	--	115.20	1.93
4-Dec-13	2.05	1.22	--	42.50	--	129.54	1.19
NOTE: One foot equals 51.22 gallons/ One tenth of a foot equals 5.12 gallons							

5. Conclusions

Comparison of the second half semi-annual 2013 monitoring data with historic information provides the following general observations:

- Based on historical groundwater elevations, the potentiometric surface has remained relatively stable with minor seasonal fluctuations.
- During the second half 2013, elevated benzene concentrations were observed for the first time since 2012 in MW-7 and MW-14. Down gradient monitoring wells MW-9, MW-10, MW-12 and MW-21 continue to exhibit benzene concentrations in exceedance of the New Mexico Water Quality Control Commission Groundwater Standard.
- Spill Buster operation at MW-15 continues to facilitate elevated LNAPL extraction rates at that well.

6. Recommendations

Based on evaluation of Site observations and monitoring results, the following recommendations have been developed for future activities:

- Continue semi-annual groundwater monitoring at the well locations illustrated on Figure 2 to assess trends in dissolved and free phase petroleum hydrocarbons.
- Continued operation of the Spill Buster LNAPL recovery system at MW-15 to address free phase petroleum thicknesses in the northern area of the Site.

Tables

TABLE 1
SECOND HALF SEMI ANNUAL 2013
SUMMARY OF GROUNDWATER ELEVATION DATA
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (1) (feet)	Depth to Product (1) (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (2) (feet)	TOC Elevation (feet amsl)	Groundwater Elevation* (feet amsl)	Groundwater Elevation Since Previous Event (3) (feet)
MW-3	12/15/2011	107.56			108.84	3980.27	3872.71	-0.02
MW-3	6/7/2012	107.70			108.84	3980.27	3872.57	-0.14
MW-3	12/6/2012	107.63			108.84	3980.27	3872.64	0.07
MW-3	6/5/2013	107.69			108.84	3980.27	3872.58	-0.06
MW-3	12/4/2013	107.73			108.84	3980.27	3872.54	-0.04
MW-5*	12/15/2011	107.52	106.70	0.82	112.64	3979.82	3872.92	-0.27
MW-5*	6/7/2012	107.85	107.12	0.73	112.64	3979.82	3872.52	-0.40
MW-5*	12/6/2012	107.79	107.41	0.38	112.64	3979.82	3872.32	-0.20
MW-5*	6/5/2013	108.02	107.58	0.44	112.64	3979.82	3872.13	-0.18
MW-5*	12/4/2013	108.26	107.72	0.54	112.64	3979.82	3871.97	-0.16
MW-6*	12/15/2011	108.79	108.69	0.10	113.20	3981.79	3873.08	-0.45
MW-6*	6/7/2012	109.13	109.00	0.13	113.20	3981.79	3872.76	-0.32
MW-6*	12/6/2012	109.22	109.16	0.06	113.20	3981.79	3872.62	-0.14
MW-6*	6/5/2013	109.43	109.37	0.06	113.20	3981.79	3872.41	-0.21
MW-6*	12/4/2013	109.55	109.46	0.09	113.20	3981.79	3872.31	-0.10
MW-7	12/15/2011	107.06			111.67	3978.45	3871.39	-0.37
MW-7	6/7/2012	107.35			111.67	3978.45	3871.10	-0.29
MW-7	12/6/2012	107.57			111.67	3978.45	3870.88	-0.22
MW-7	6/4/2013	107.51			111.67	3978.45	3870.94	0.06
MW-7	12/4/2013	107.86			111.67	3978.45	3870.59	-0.35
MW-8*	12/15/2011	108.59	108.19	0.40	110.82	3979.96	3871.67	-0.44
MW-8*	6/7/2012	108.90	108.61	0.29	110.82	3979.96	3871.28	-0.39
MW-8*	12/6/2012	109.05	108.80	0.25	110.82	3979.96	3871.10	-0.18
MW-8*	6/5/2013	109.22	108.98	0.24	110.82	3979.96	3870.92	-0.18
MW-8*	12/4/2013	109.49	109.05	0.44	110.82	3979.96	3870.80	-0.12
MW-9	12/16/2011	108.68			116.92	3980.17	3871.49	-0.48
MW-9	6/7/2012	109.00			116.92	3980.17	3871.17	-0.32
MW-9	12/7/2012	109.21			116.92	3980.17	3870.96	-0.21
MW-9	6/5/2013	109.13			116.92	3980.17	3871.04	0.08
MW-9	12/4/2013	109.50			116.92	3980.17	3870.67	-0.37
MW-10	12/15/2011	108.35			117.41	3979.66	3871.31	-0.36
MW-10	6/7/2012	108.71			117.41	3979.66	3870.95	-0.36
MW-10	12/7/2012	108.91			117.41	3979.66	3870.75	-0.20
MW-10	6/5/2013	108.88			117.41	3979.66	3870.78	0.03
MW-10	12/4/2013	108.25			117.41	3979.66	3871.41	0.63
MW-11	12/15/2011	107.60			117.98	3978.50	3870.90	-0.41
MW-11	6/8/2012	108.01			117.98	3978.50	3870.49	-0.41
MW-11	12/6/2012	108.04			117.98	3978.50	3870.46	-0.03
MW-11	6/4/2013	108.00			117.98	3978.50	3870.50	0.04
MW-11	12/4/2013	108.35			117.98	3978.50	3870.15	-0.35
MW-12	12/16/2011	108.06			117.35	3978.82	3870.76	-0.44
MW-12	6/7/2012	107.27			117.35	3978.82	3871.55	0.79
MW-12	12/7/2012	108.53			117.35	3978.82	3870.29	-1.26
MW-12	6/5/2013	108.54			117.35	3978.82	3870.28	-0.01
MW-12	12/4/2013	108.86			117.35	3978.82	3869.96	-0.32
MW-13	12/16/2011	109.92			117.27	3980.52	3870.60	-0.50
MW-13	6/7/2012	110.10			117.27	3980.52	3870.42	-0.18
MW-13	12/6/2012	110.33			117.27	3980.52	3870.19	-0.23
MW-13	6/4/2013	110.31			117.27	3980.52	3870.21	0.02
MW-13	12/4/2013	110.58			117.27	3980.52	3869.94	-0.27

TABLE 1
SECOND HALF SEMI ANNUAL 2013
SUMMARY OF GROUNDWATER ELEVATION DATA
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (1) (feet)	Depth to Product (1) (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (2) (feet)	TOC Elevation (feet amsl)	Groundwater Elevation* (feet amsl)	Groundwater Elevation Since Previous Event (3) (feet)
MW-14	12/15/2011	111.23			118.36	3982.23	3871.00	-0.47
MW-14	6/7/2012	111.50			118.36	3982.23	3870.73	-0.27
MW-14	12/7/2012	111.71			118.36	3982.23	3870.52	-0.21
MW-14	6/5/2013	111.64			118.36	3982.23	3870.59	0.07
MW-14	12/4/2013	111.91			118.36	3982.23	3870.32	-0.27
MW-15*	12/15/2011	111.96	107.55	4.41	122.70	3981.70	3873.05	-0.48
MW-15*	6/7/2012	NM	NM	NM	122.70	3981.70	NM	NM
MW-15*	12/7/2012	NM	NM	NM	122.70	3981.70	NM	NM
MW-15*	6/5/2013	112.66	108.23	4.43	122.70	3981.70	3872.36	-0.68
MW-15*	12/4/2013	109.59	109.37	0.22	122.70	3981.70	3872.28	-0.09
MW-16	12/15/2011	107.19			122.74	3980.80	3873.61	-0.46
MW-16	6/8/2012	107.45			122.74	3980.80	3873.35	-0.26
MW-16	12/6/2012	107.62			122.74	3980.80	3873.18	-0.17
MW-16	6/5/2013	107.63			122.74	3980.80	3873.17	-0.01
MW-16	12/4/2013	107.97			122.74	3980.80	3872.83	-0.34
MW-17	12/15/2011	109.67			124.12	3981.80	3872.13	-0.54
MW-17	6/7/2012	109.94			124.12	3981.80	3871.86	-0.27
MW-17	12/6/2012	110.11			124.12	3981.80	3871.69	-0.17
MW-17	6/4/2013	110.05			124.12	3981.80	3871.75	0.06
MW-17	12/4/2013	110.37			124.12	3981.80	3871.43	-0.32
MW-18	12/16/2011	111.09			125.42	3983.10	3872.01	-0.62
MW-18	6/7/2012	111.26			125.42	3983.10	3871.84	-0.17
MW-18	12/6/2012	111.43			125.42	3983.10	3871.67	-0.17
MW-18	6/4/2013	111.36			125.42	3983.10	3871.74	0.07
MW-18	12/4/2013	111.72			125.42	3983.10	3871.38	-0.36
MW-19	12/16/2011	110.98			126.56	3980.80	3869.82	-0.56
MW-19	6/7/2012	111.15			126.56	3980.80	3869.65	-0.17
MW-19	12/6/2012	111.33			126.56	3980.80	3869.47	-0.18
MW-19	6/4/2013	111.22			126.56	3980.80	3869.58	0.11
MW-19	12/4/2013	111.64			126.56	3980.80	3869.16	-0.42
MW-20	12/15/2011	113.72			128.22	3983.30	3869.58	-0.68
MW-20	6/7/2012	113.85			128.22	3983.30	3869.45	-0.13
MW-20	12/6/2012	113.95			128.22	3983.30	3869.35	-0.10
MW-20	6/4/2013	113.81			128.22	3983.30	3869.49	0.14
MW-20	12/4/2013	114.30			128.22	3983.30	3869.00	-0.49
MW-21	12/15/2011	109.70			123.59	NM	NM	
MW-21	6/7/2012	110.01			123.59	NM	NM	
MW-21	12/7/2012	110.15			123.59	NM	NM	
MW-21	6/5/2013	110.22			123.59	NM	NM	
MW-21	12/4/2013	110.46			124.59	NM	NM	

TABLE 1
SECOND HALF SEMI ANNUAL 2013
SUMMARY OF GROUNDWATER ELEVATION DATA
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (1) (feet)	Depth to Product (1) (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (2) (feet)	TOC Elevation (feet amsl)	Groundwater Elevation* (feet amsl)	Groundwater Elevation Since Previous Event (3) (feet)
MW-22	12/15/2011	109.38			148.62	NM	NM	
MW-22	6/7/2012	109.70			148.62	NM	NM	
MW-22	12/6/2012	109.86			148.62	NM	NM	
MW-22	6/5/2013	109.90			148.62	NM	NM	
MW-22	12/4/2013	110.16			149.62	NM	NM	
Average change in groundwater elevation since the previous monitoring event								-0.22

Notes:

1- Depths measured from the north edge of the well casing.

2- Total depths were collected and recorded during the second half semi-annual 2013 monitoring event (with the exception of wells that contained LNAPL).

3- Changes in groundwater elevation calculated by subtracting the measurement collected during the previous monitoring even from the measurement collected during the most recent monitoring event.

4- Data presented for well locations includes previous four sampling events, when available. Historic groundwater elevation data may be found in Appendix C.

Sample locations are shown on Figure 2 and a groundwater elevation contour map is shown on Figure 3.

5- MW-15 was not gauged during the second half semi-annual event due to an obstruction in the well at 110.76 feet below the top of casing.

amsl - feet above mean sea level.

TOC - top of casing

NM - not measured

* For wells that contained LNAPL, groundwater elevation was corrected for product thickness using the following calculation:

Groundwater elevation = (TOC Elevation - Measured Depth to Water) + (LNAPL Thickness in Well * LNAPL Density)

LNAPL density was assumed to be approximately 0.75 grams per cubic centimeter

TABLE 2
SECOND HALF SEMI ANNUAL 2013
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards		0.01 (mg/l)	0.75 (mg/l)	0.75 (mg/l)	0.62 (mg/l)	
MW-3	12/15/2011	NS	NS	NS	NS	
MW-3	6/7/2012	NS	NS	NS	NS	
MW-3	12/6/2012	NS	NS	NS	NS	
MW-3	6/5/2013	NS	NS	NS	NS	
MW-3	12/4/2013	NS	NS	NS	NS	
MW-5*	12/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5*	6/7/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5*	12/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5*	6/5/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5*	12/4/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6*	12/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6*	6/7/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6*	12/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6*	6/5/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6*	12/4/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-7	12/15/2011	0.0013	<0.002	<0.002	<0.004	
MW-7	6/7/2012	0.037	<0.005	<0.005	<0.015	
MW-7	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-7	6/4/2013	0.0062	<0.001	<0.001	<0.001	
MW-7	12/4/2013	0.2	<0.001	0.0073	0.010	
MW-8*	12/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-8*	6/7/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-8*	12/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-8*	6/5/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-8*	12/4/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	12/16/2011	12.5	<0.40	0.390	<0.80	
MW-9	6/7/2012	13.0	0.44	<0.025	<0.075	
MW-9	12/7/2012	13.0	0.89	<0.050	0.28	Duplicate sample collected
MW-9	6/5/2013	16.0	<0.010	0.96	0.38	Duplicate sample collected
MW-9	12/4/2013	9.4	<0.010	0.61	0.025	Duplicate sample collected
MW-10	12/15/2011	12.5	<0.40	0.204	<0.80	
MW-10	6/7/2012	29.0	0.19	<0.05	<0.15	
MW-10	12/7/2012	27.0	0.23	<0.050	<0.15	
MW-10	6/5/2013	26.0	<0.010	0.33	<0.010	
MW-10	12/4/2013	19	<0.010	0.30	<0.01	
MW-11	12/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-11	6/8/2012	<0.005	<0.005	<0.005	<0.015	
MW-11	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-11	6/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-11	12/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-12	12/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-12	6/7/2012	0.74	<0.005	<0.005	<0.015	
MW-12	12/7/2012	5.5	0.0086	<0.005	<0.015	
MW-12	6/5/2013	4.3	<0.005	<0.005	<0.005	
MW-12	12/4/2013	3.7	<0.0010	0.0011	<0.001	

TABLE 2
SECOND HALF SEMI ANNUAL 2013
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards		0.01 (mg/l)	0.75 (mg/l)	0.75 (mg/l)	0.62 (mg/l)	
MW-13	12/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-13	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-13	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-13	6/4/2013	0.0022	<0.001	<0.001	<0.001	
MW-13	12/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-14	12/15/2011	0.231	<0.002	0.0095	<0.004	
MW-14	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-14	12/7/2012	0.0024	<0.001	<0.001	<0.003	
MW-14	6/5/2013	0.0019	<0.001	<0.001	<0.001	
MW-14	12/4/2013	0.44	<0.001	<0.001	<0.001	
MW-15*	12/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-15*	6/7/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-15*	12/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-15*	6/5/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-15*	12/4/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-16	12/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	6/8/2012	<0.005	<0.005	<0.005	<0.015	
MW-16	12/6/2012	0.051	0.0013	0.0027	<0.003	
MW-16	6/5/2013	0.0086	<0.001	<0.001	<0.001	
MW-16	12/4/2013	0.078	0.0029	0.0028	0.0032	
MW-17	12/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-17	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-17	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-17	6/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-17	12/4/2013	0.0014	<0.001	<0.001	<0.001	
MW-18	12/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-18	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-18	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-18	6/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-18	12/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-19	12/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-19	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-19	6/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-19	12/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-20	12/15/2011	0.0013	<0.002	<0.002	<0.004	
MW-20	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-20	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-20	6/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-20	12/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-21	12/16/2011	0.671	<0.02	0.0513	<0.04	Duplicate sample collected
MW-21	6/7/2012	4.4	0.24	<0.025	0.086	Duplicate sample collected
MW-21	12/7/2012	1.9	0.24	<0.005	0.098	
MW-21	6/5/2013	0.78	<0.001	0.097	0.011	
MW-21	12/4/2013	1.8	<0.001	0.10	0.0064	

TABLE 2
SECOND HALF SEMI ANNUAL 2013
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards		0.01 (mg/l)	0.75 (mg/l)	0.75 (mg/l)	0.62 (mg/l)	
MW-22	12/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-22	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-22	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-22	6/5/2013	<0.001	<0.001	<0.001	<0.001	
MW-22	12/4/2013	<0.001	<0.001	<0.001	<0.001	

Notes:

1.) The environmental cleanup standards for water that are applicable to the Former Lee Gas Plant site are the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards.

2.) Data presented for all well locations includes previous four sampling events, when available. Historic groundwater elevation data may be found in Appendix C.

Bold red values indicate an exceedance of the NMWQCC groundwater standards for the Site.

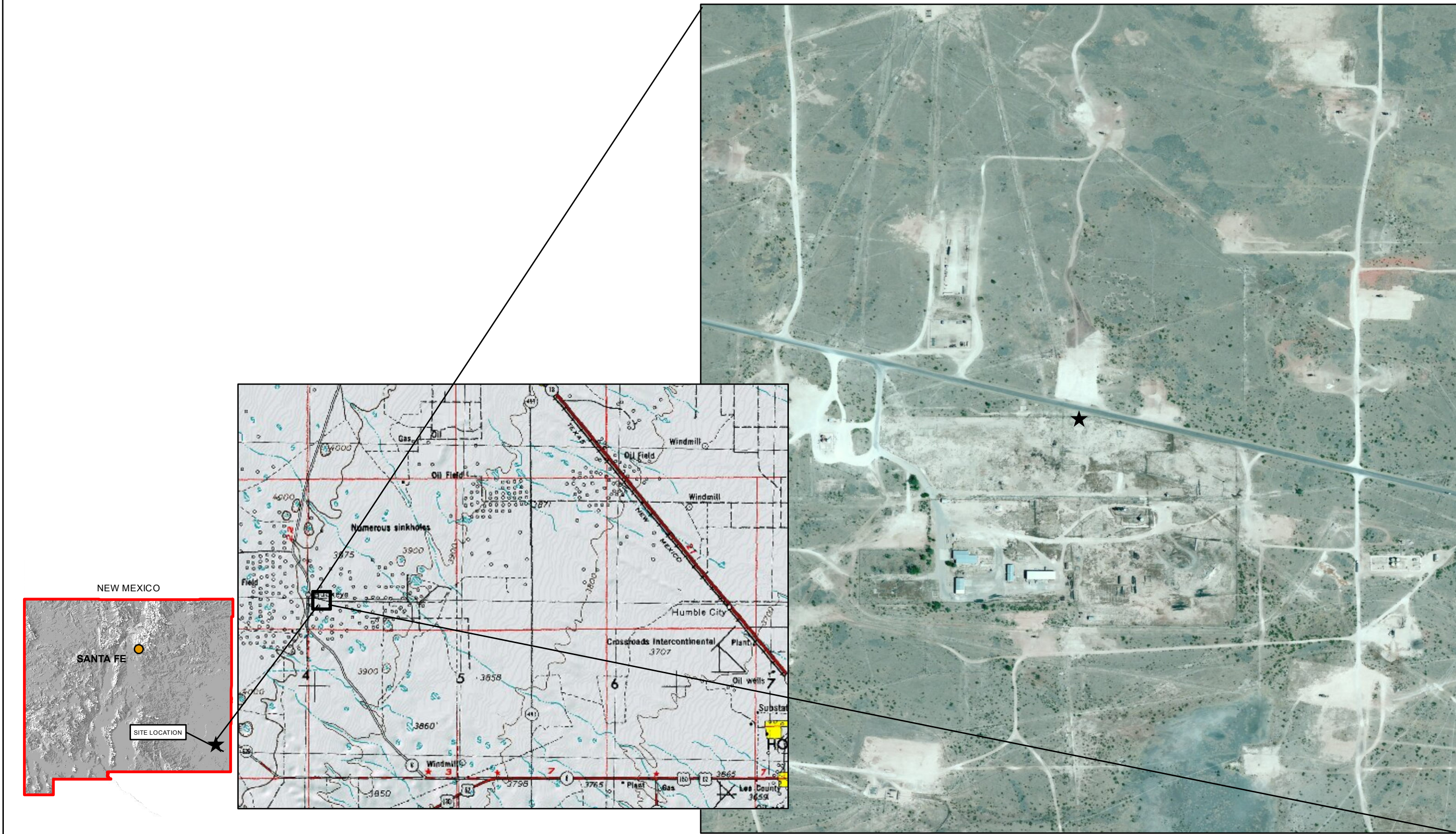
Sample locations are shown on Figure 2 and analytical results are illustrated on Figure 4.

LNAPL = Light Non-Aqueous Phase Liquid

NM = Not measured.

mg/L = milligrams per liter.

Figures



DATE: January 2014

DESIGNED BY: J. Barker

DRAWN BY: D. Arnold

TASMAN Tasman Geosciences, LLC
GEOSCIENCES 6899 Pecos Street - Unit C
Denver, CO 80221

**DCP Midstream
FORMER LEE GAS PLANT**

SITE LOCATION

Figure
1



DATE:	January 2014
DESIGNED BY:	J. Barker
DRAWN BY:	D. Arnold



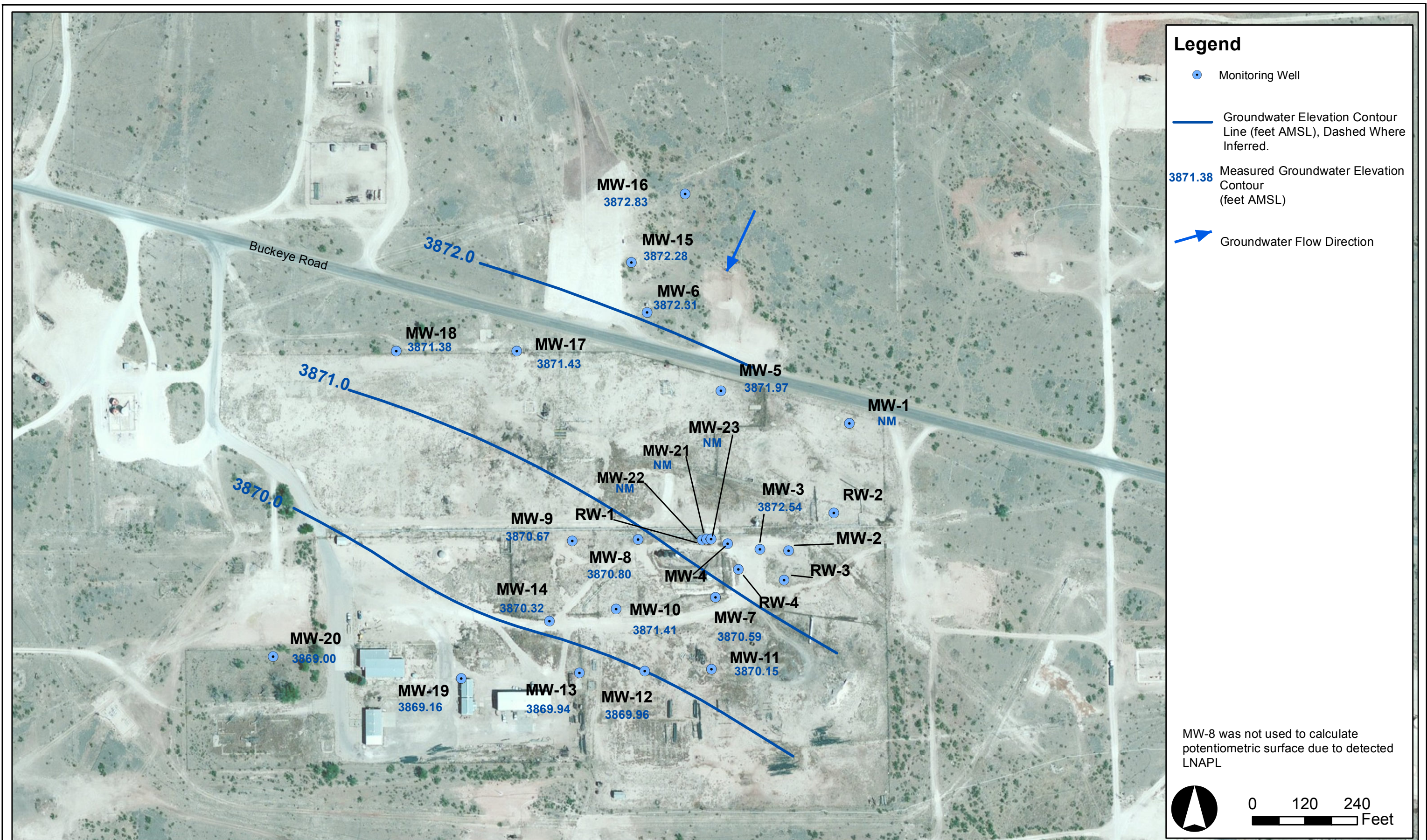
TASMAN
GEOSCIENCES

Tasman Geosciences, LLC
6899 Pecos Street - Unit C
Denver, CO 80221

**DCP Midstream
FORMER LEE GAS PLANT**

SITE MAP

**Figure
2**



DATE:
January 2014

DESIGNED BY:
J. Dawe

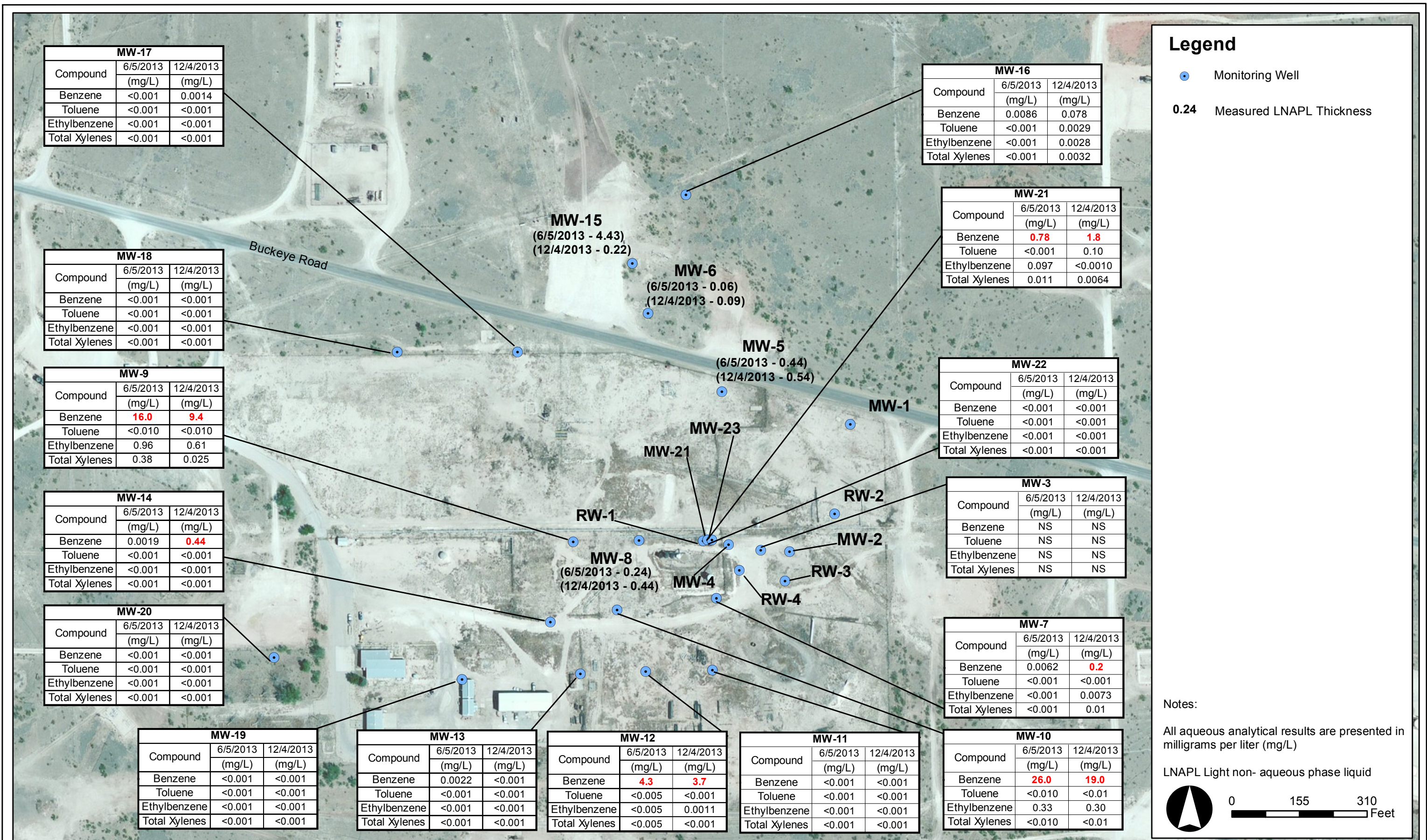
DRAWN BY:
D. Arnold



FORMER LEE GAS PLANT
Second Half 2013 Semi-Annual
Groundwater Monitoring
Summary Report

GROUNDWATER ELEVATION
CONTOUR MAP
(DECEMBER 4, 2013)

Figure
3



DATE:
January 2014

DESIGNED BY:
J. Barker

DRAWN BY:
D. Arnold



FORMER LEE GAS PLANT
Second Half 2013 Semi-Annual
Groundwater Monitoring
Summary Report

ANALYTICAL RESULTS
MAP

Figure
4

Appendix A

Laboratory Analytical Reports



13-Dec-2013

Christine Wasko
Tasman Geosciences
5690 Webster Street
Arvada, CO 80002

Tel: (720) 988-2024
Fax:

Re: Lee Plant

Work Order: **1312258**

Dear Christine,

ALS Environmental received 16 samples on 06-Dec-2013 11:17 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 30.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in black ink that reads "Sonia West".

Electronically approved by: Dayna.Fisher

Sonia West
Project Manager



Certificate No: T104704231-13-12

ADDRESS 10450 Stancliff Rd, Suite 210 Houston, Texas 77099-4338 | PHONE (281) 530-5656 | FAX (281) 530-5887

ALS GROUP USA, CORP. Part of the ALS Group An ALS Limited Company

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: Tasman Geosciences
Project: Lee Plant
Work Order: 1312258

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1312258-01	MW-7	Water		12/4/2013 15:00	12/6/2013 11:17	☐
1312258-02	MW-9	Water		12/5/2013 09:45	12/6/2013 11:17	☐
1312258-03	MW-10	Water		12/5/2013 10:50	12/6/2013 11:17	☐
1312258-04	MW-11	Water		12/4/2013 12:00	12/6/2013 11:17	☐
1312258-05	MW-12	Water		12/5/2013 08:30	12/6/2013 11:17	☐
1312258-06	MW-13	Water		12/4/2013 14:20	12/6/2013 11:17	☐
1312258-07	MW-14	Water		12/4/2013 13:30	12/6/2013 11:17	☐
1312258-08	MW-16	Water		12/4/2013 16:40	12/6/2013 11:17	☐
1312258-09	MW-17	Water		12/4/2013 09:50	12/6/2013 11:17	☐
1312258-10	MW-18	Water		12/4/2013 09:10	12/6/2013 11:17	☐
1312258-11	MW-19	Water		12/4/2013 11:15	12/6/2013 11:17	☐
1312258-12	MW-20	Water		12/4/2013 10:40	12/6/2013 11:17	☐
1312258-13	MW-21	Water		12/4/2013 12:30	12/6/2013 11:17	☐
1312258-14	MW-22	Water		12/4/2013 12:20	12/6/2013 11:17	☐
1312258-15	DUP	Water		12/4/2013	12/6/2013 11:17	☐
1312258-16	Trip Blank 112113-07	Water		12/4/2013	12/6/2013 11:17	☐

Client: Tasman Geosciences**Project:** Lee Plant**Work Order:** 1312258**Case Narrative**

Batch R158524, Volatiles 8260, Sample 1312345-18A: MS/MSD are for an unrelated sample.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
Project: Lee Plant
Sample ID: MW-7
Collection Date: 12/4/2013 03:00 PM

Work Order: 1312258
Lab ID: 1312258-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	0.20		0.0010	mg/L	1	12/11/2013 04:18 AM
Ethylbenzene	0.0073		0.0010	mg/L	1	12/11/2013 04:18 AM
Toluene	ND		0.0010	mg/L	1	12/11/2013 04:18 AM
Xylenes, Total	0.010		0.0010	mg/L	1	12/11/2013 04:18 AM
Surr: 1,2-Dichloroethane-d4	104		71-125	%REC	1	12/11/2013 04:18 AM
Surr: 4-Bromofluorobenzene	98.0		70-125	%REC	1	12/11/2013 04:18 AM
Surr: Dibromofluoromethane	99.3		74-125	%REC	1	12/11/2013 04:18 AM
Surr: Toluene-d8	96.9		75-125	%REC	1	12/11/2013 04:18 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
 Project: Lee Plant
 Sample ID: MW-9
 Collection Date: 12/5/2013 09:45 AM

Work Order: 1312258
 Lab ID: 1312258-02
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260		Analyst: PC	
Benzene	9.4		0.10	mg/L	100	12/12/2013 05:42 AM
Ethylbenzene	0.61		0.010	mg/L	10	12/12/2013 03:07 AM
Toluene	ND		0.010	mg/L	10	12/12/2013 03:07 AM
Xylenes, Total	0.025		0.010	mg/L	10	12/12/2013 03:07 AM
Surr: 1,2-Dichloroethane-d4	104		71-125	%REC	100	12/12/2013 05:42 AM
Surr: 1,2-Dichloroethane-d4	104		71-125	%REC	10	12/12/2013 03:07 AM
Surr: 4-Bromofluorobenzene	99.4		70-125	%REC	100	12/12/2013 05:42 AM
Surr: 4-Bromofluorobenzene	100		70-125	%REC	10	12/12/2013 03:07 AM
Surr: Dibromofluoromethane	98.9		74-125	%REC	100	12/12/2013 05:42 AM
Surr: Dibromofluoromethane	99.6		74-125	%REC	10	12/12/2013 03:07 AM
Surr: Toluene-d8	97.1		75-125	%REC	100	12/12/2013 05:42 AM
Surr: Toluene-d8	98.3		75-125	%REC	10	12/12/2013 03:07 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences

Project: Lee Plant

Work Order: 1312258

Sample ID: MW-10

Lab ID: 1312258-03

Collection Date: 12/5/2013 10:50 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	19		0.10	mg/L	100	12/12/2013 06:34 AM
Ethylbenzene	0.30		0.010	mg/L	10	12/12/2013 03:59 AM
Toluene	ND		0.010	mg/L	10	12/12/2013 03:59 AM
Xylenes, Total	ND		0.010	mg/L	10	12/12/2013 03:59 AM
Surr: 1,2-Dichloroethane-d4	104		71-125	%REC	100	12/12/2013 06:34 AM
Surr: 1,2-Dichloroethane-d4	103		71-125	%REC	10	12/12/2013 03:59 AM
Surr: 4-Bromofluorobenzene	98.3		70-125	%REC	100	12/12/2013 06:34 AM
Surr: 4-Bromofluorobenzene	100		70-125	%REC	10	12/12/2013 03:59 AM
Surr: Dibromofluoromethane	101		74-125	%REC	100	12/12/2013 06:34 AM
Surr: Dibromofluoromethane	99.3		74-125	%REC	10	12/12/2013 03:59 AM
Surr: Toluene-d8	96.5		75-125	%REC	100	12/12/2013 06:34 AM
Surr: Toluene-d8	98.4		75-125	%REC	10	12/12/2013 03:59 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
Project: Lee Plant
Sample ID: MW-11
Collection Date: 12/4/2013 12:00 PM

Work Order: 1312258
Lab ID: 1312258-04
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260		Analyst: PC	
Benzene	ND		0.0010	mg/L	1	12/11/2013 11:40 PM
Ethylbenzene	ND		0.0010	mg/L	1	12/11/2013 11:40 PM
Toluene	ND		0.0010	mg/L	1	12/11/2013 11:40 PM
Xylenes, Total	ND		0.0010	mg/L	1	12/11/2013 11:40 PM
Surr: 1,2-Dichloroethane-d4	101		71-125	%REC	1	12/11/2013 11:40 PM
Surr: 4-Bromofluorobenzene	98.9		70-125	%REC	1	12/11/2013 11:40 PM
Surr: Dibromofluoromethane	97.9		74-125	%REC	1	12/11/2013 11:40 PM
Surr: Toluene-d8	97.7		75-125	%REC	1	12/11/2013 11:40 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences

Project: Lee Plant

Work Order: 1312258

Sample ID: MW-12

Lab ID: 1312258-05

Collection Date: 12/5/2013 08:30 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	3.7		0.050	mg/L	50	12/12/2013 05:16 AM
Ethylbenzene	0.0011		0.0010	mg/L	1	12/11/2013 07:20 AM
Toluene	ND		0.0010	mg/L	1	12/11/2013 07:20 AM
Xylenes, Total	ND		0.0010	mg/L	1	12/11/2013 07:20 AM
Surr: 1,2-Dichloroethane-d4	104		71-125	%REC	50	12/12/2013 05:16 AM
Surr: 1,2-Dichloroethane-d4	103		71-125	%REC	1	12/11/2013 07:20 AM
Surr: 4-Bromofluorobenzene	100		70-125	%REC	50	12/12/2013 05:16 AM
Surr: 4-Bromofluorobenzene	98.5		70-125	%REC	1	12/11/2013 07:20 AM
Surr: Dibromofluoromethane	99.3		74-125	%REC	50	12/12/2013 05:16 AM
Surr: Dibromofluoromethane	98.0		74-125	%REC	1	12/11/2013 07:20 AM
Surr: Toluene-d8	99.0		75-125	%REC	50	12/12/2013 05:16 AM
Surr: Toluene-d8	98.0		75-125	%REC	1	12/11/2013 07:20 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
Project: Lee Plant
Sample ID: MW-13
Collection Date: 12/4/2013 02:20 PM

Work Order: 1312258
Lab ID: 1312258-06
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	ND		0.0010	mg/L	1	12/12/2013 12:31 AM
Ethylbenzene	ND		0.0010	mg/L	1	12/12/2013 12:31 AM
Toluene	ND		0.0010	mg/L	1	12/12/2013 12:31 AM
Xylenes, Total	ND		0.0010	mg/L	1	12/12/2013 12:31 AM
Surr: 1,2-Dichloroethane-d4	102		71-125	%REC	1	12/12/2013 12:31 AM
Surr: 4-Bromofluorobenzene	98.6		70-125	%REC	1	12/12/2013 12:31 AM
Surr: Dibromofluoromethane	99.2		74-125	%REC	1	12/12/2013 12:31 AM
Surr: Toluene-d8	97.4		75-125	%REC	1	12/12/2013 12:31 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences

Project: Lee Plant

Work Order: 1312258

Sample ID: MW-14

Lab ID: 1312258-07

Collection Date: 12/4/2013 01:30 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	0.44		0.0050	mg/L	5	12/12/2013 02:20 PM
Ethylbenzene	ND		0.0010	mg/L	1	12/12/2013 02:15 AM
Toluene	ND		0.0010	mg/L	1	12/12/2013 02:15 AM
Xylenes, Total	ND		0.0010	mg/L	1	12/12/2013 02:15 AM
Surr: 1,2-Dichloroethane-d4	103		71-125	%REC	5	12/12/2013 02:20 PM
Surr: 1,2-Dichloroethane-d4	105		71-125	%REC	1	12/12/2013 02:15 AM
Surr: 4-Bromofluorobenzene	99.0		70-125	%REC	5	12/12/2013 02:20 PM
Surr: 4-Bromofluorobenzene	99.2		70-125	%REC	1	12/12/2013 02:15 AM
Surr: Dibromofluoromethane	99.5		74-125	%REC	5	12/12/2013 02:20 PM
Surr: Dibromofluoromethane	100		74-125	%REC	1	12/12/2013 02:15 AM
Surr: Toluene-d8	97.0		75-125	%REC	5	12/12/2013 02:20 PM
Surr: Toluene-d8	97.7		75-125	%REC	1	12/12/2013 02:15 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
Project: Lee Plant
Sample ID: MW-16
Collection Date: 12/4/2013 04:40 PM

Work Order: 1312258
Lab ID: 1312258-08
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	0.078		0.0010	mg/L	1	12/11/2013 05:10 AM
Ethylbenzene	0.0028		0.0010	mg/L	1	12/11/2013 05:10 AM
Toluene	0.0029		0.0010	mg/L	1	12/11/2013 05:10 AM
Xylenes, Total	0.0032		0.0010	mg/L	1	12/11/2013 05:10 AM
Surr: 1,2-Dichloroethane-d4	102		71-125	%REC	1	12/11/2013 05:10 AM
Surr: 4-Bromofluorobenzene	97.8		70-125	%REC	1	12/11/2013 05:10 AM
Surr: Dibromofluoromethane	100		74-125	%REC	1	12/11/2013 05:10 AM
Surr: Toluene-d8	97.6		75-125	%REC	1	12/11/2013 05:10 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
 Project: Lee Plant
 Sample ID: MW-17
 Collection Date: 12/4/2013 09:50 AM

Work Order: 1312258
 Lab ID: 1312258-09
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260		Analyst: PC	
Benzene	0.0014		0.0010	mg/L	1	12/12/2013 12:05 AM
Ethylbenzene	ND		0.0010	mg/L	1	12/12/2013 12:05 AM
Toluene	ND		0.0010	mg/L	1	12/12/2013 12:05 AM
Xylenes, Total	ND		0.0010	mg/L	1	12/12/2013 12:05 AM
Surr: 1,2-Dichloroethane-d4	102		71-125	%REC	1	12/12/2013 12:05 AM
Surr: 4-Bromofluorobenzene	98.6		70-125	%REC	1	12/12/2013 12:05 AM
Surr: Dibromofluoromethane	96.6		74-125	%REC	1	12/12/2013 12:05 AM
Surr: Toluene-d8	97.3		75-125	%REC	1	12/12/2013 12:05 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
Project: Lee Plant
Sample ID: MW-18
Collection Date: 12/4/2013 09:10 AM

Work Order: 1312258
Lab ID: 1312258-10
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	ND		0.0010	mg/L	1	12/11/2013 06:02 AM
Ethylbenzene	ND		0.0010	mg/L	1	12/11/2013 06:02 AM
Toluene	ND		0.0010	mg/L	1	12/11/2013 06:02 AM
Xylenes, Total	ND		0.0010	mg/L	1	12/11/2013 06:02 AM
Surr: 1,2-Dichloroethane-d4	103		71-125	%REC	1	12/11/2013 06:02 AM
Surr: 4-Bromofluorobenzene	98.9		70-125	%REC	1	12/11/2013 06:02 AM
Surr: Dibromofluoromethane	99.7		74-125	%REC	1	12/11/2013 06:02 AM
Surr: Toluene-d8	97.9		75-125	%REC	1	12/11/2013 06:02 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
Project: Lee Plant
Sample ID: MW-19
Collection Date: 12/4/2013 11:15 AM

Work Order: 1312258
Lab ID: 1312258-11
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	ND		0.0010	mg/L	1	12/11/2013 06:28 AM
Ethylbenzene	ND		0.0010	mg/L	1	12/11/2013 06:28 AM
Toluene	ND		0.0010	mg/L	1	12/11/2013 06:28 AM
Xylenes, Total	ND		0.0010	mg/L	1	12/11/2013 06:28 AM
Surr: 1,2-Dichloroethane-d4	105		71-125	%REC	1	12/11/2013 06:28 AM
Surr: 4-Bromofluorobenzene	97.7		70-125	%REC	1	12/11/2013 06:28 AM
Surr: Dibromofluoromethane	101		74-125	%REC	1	12/11/2013 06:28 AM
Surr: Toluene-d8	97.0		75-125	%REC	1	12/11/2013 06:28 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
Project: Lee Plant
Sample ID: MW-20
Collection Date: 12/4/2013 10:40 AM

Work Order: 1312258
Lab ID: 1312258-12
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	ND		0.0010	mg/L	1	12/11/2013 06:54 AM
Ethylbenzene	ND		0.0010	mg/L	1	12/11/2013 06:54 AM
Toluene	ND		0.0010	mg/L	1	12/11/2013 06:54 AM
Xylenes, Total	ND		0.0010	mg/L	1	12/11/2013 06:54 AM
Surr: 1,2-Dichloroethane-d4	104		71-125	%REC	1	12/11/2013 06:54 AM
Surr: 4-Bromofluorobenzene	99.2		70-125	%REC	1	12/11/2013 06:54 AM
Surr: Dibromofluoromethane	101		74-125	%REC	1	12/11/2013 06:54 AM
Surr: Toluene-d8	96.4		75-125	%REC	1	12/11/2013 06:54 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
Project: Lee Plant
Sample ID: MW-21
Collection Date: 12/4/2013 12:30 PM

Work Order: 1312258
Lab ID: 1312258-13
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	1.8		0.050	mg/L	50	12/12/2013 01:33 PM
Ethylbenzene	0.10		0.0010	mg/L	1	12/12/2013 02:41 AM
Toluene	ND		0.0010	mg/L	1	12/12/2013 02:41 AM
Xylenes, Total	0.0064		0.0010	mg/L	1	12/12/2013 02:41 AM
Surr: 1,2-Dichloroethane-d4	103		71-125	%REC	50	12/12/2013 01:33 PM
Surr: 1,2-Dichloroethane-d4	102		71-125	%REC	1	12/12/2013 02:41 AM
Surr: 4-Bromofluorobenzene	102		70-125	%REC	50	12/12/2013 01:33 PM
Surr: 4-Bromofluorobenzene	99.7		70-125	%REC	1	12/12/2013 02:41 AM
Surr: Dibromofluoromethane	97.0		74-125	%REC	50	12/12/2013 01:33 PM
Surr: Dibromofluoromethane	97.9		74-125	%REC	1	12/12/2013 02:41 AM
Surr: Toluene-d8	98.3		75-125	%REC	50	12/12/2013 01:33 PM
Surr: Toluene-d8	100		75-125	%REC	1	12/12/2013 02:41 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
Project: Lee Plant
Sample ID: MW-22
Collection Date: 12/4/2013 12:20 PM

Work Order: 1312258
Lab ID: 1312258-14
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	ND		0.0010	mg/L	1	12/12/2013 12:57 AM
Ethylbenzene	ND		0.0010	mg/L	1	12/12/2013 12:57 AM
Toluene	ND		0.0010	mg/L	1	12/12/2013 12:57 AM
Xylenes, Total	ND		0.0010	mg/L	1	12/12/2013 12:57 AM
Surr: 1,2-Dichloroethane-d4	103		71-125	%REC	1	12/12/2013 12:57 AM
Surr: 4-Bromofluorobenzene	99.0		70-125	%REC	1	12/12/2013 12:57 AM
Surr: Dibromofluoromethane	99.7		74-125	%REC	1	12/12/2013 12:57 AM
Surr: Toluene-d8	97.6		75-125	%REC	1	12/12/2013 12:57 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences

Project: Lee Plant

Work Order: 1312258

Sample ID: DUP

Lab ID: 1312258-15

Collection Date: 12/4/2013

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	9.1		0.10	mg/L	100	12/12/2013 06:08 AM
Ethylbenzene	0.57		0.010	mg/L	10	12/12/2013 03:33 AM
Toluene	ND		0.010	mg/L	10	12/12/2013 03:33 AM
Xylenes, Total	0.022		0.010	mg/L	10	12/12/2013 03:33 AM
Surr: 1,2-Dichloroethane-d4	103		71-125	%REC	100	12/12/2013 06:08 AM
Surr: 1,2-Dichloroethane-d4	104		71-125	%REC	10	12/12/2013 03:33 AM
Surr: 4-Bromofluorobenzene	98.9		70-125	%REC	100	12/12/2013 06:08 AM
Surr: 4-Bromofluorobenzene	99.8		70-125	%REC	10	12/12/2013 03:33 AM
Surr: Dibromofluoromethane	98.8		74-125	%REC	100	12/12/2013 06:08 AM
Surr: Dibromofluoromethane	99.8		74-125	%REC	10	12/12/2013 03:33 AM
Surr: Toluene-d8	97.6		75-125	%REC	100	12/12/2013 06:08 AM
Surr: Toluene-d8	99.4		75-125	%REC	10	12/12/2013 03:33 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
Project: Lee Plant
Sample ID: Trip Blank 112113-07
Collection Date: 12/4/2013

Work Order: 1312258
Lab ID: 1312258-16
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			SW8260			Analyst: PC
Benzene	ND		0.0010	mg/L	1	12/11/2013 03:52 AM
Ethylbenzene	ND		0.0010	mg/L	1	12/11/2013 03:52 AM
Toluene	ND		0.0010	mg/L	1	12/11/2013 03:52 AM
Xylenes, Total	ND		0.0010	mg/L	1	12/11/2013 03:52 AM
Surr: 1,2-Dichloroethane-d4	103		71-125	%REC	1	12/11/2013 03:52 AM
Surr: 4-Bromofluorobenzene	97.9		70-125	%REC	1	12/11/2013 03:52 AM
Surr: Dibromofluoromethane	100		74-125	%REC	1	12/11/2013 03:52 AM
Surr: Toluene-d8	97.6		75-125	%REC	1	12/11/2013 03:52 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Work Order: 1312258
Client: Tasman Geosciences
Project: Lee Plant

DATES REPORT

Sample ID	Client Sample ID	Matrix	Collection Date	TCLP Date	Prep Date	Analysis Date
<u>Batch ID R158387</u> <u>Test Name:</u> <u>Low Level Volatiles - SW8260C</u>						
1312258-01A	MW-7	Water	12/4/2013 3:00:00 PM			12/11/2013 04:18 AM
1312258-05A	MW-12		12/5/2013 8:30:00 AM			12/11/2013 07:20 AM
1312258-08A	MW-16		12/4/2013 4:40:00 PM			12/11/2013 05:10 AM
1312258-10A	MW-18		12/4/2013 9:10:00 AM			12/11/2013 06:02 AM
1312258-11A	MW-19		12/4/2013 11:15:00 AM			12/11/2013 06:28 AM
1312258-12A	MW-20		12/4/2013 10:40:00 AM			12/11/2013 06:54 AM
1312258-16A	Trip Blank 112113-07		12/4/2013			12/11/2013 03:52 AM
<u>Batch ID R158465</u> <u>Test Name:</u> <u>Low Level Volatiles - SW8260C</u>						
1312258-02A	MW-9	Water	12/5/2013 9:45:00 AM			12/12/2013 03:07 AM
						12/12/2013 05:42 AM
1312258-03A	MW-10		12/5/2013 10:50:00 AM			12/12/2013 03:59 AM
						12/12/2013 06:34 AM
1312258-04A	MW-11		12/4/2013 12:00:00 PM			12/11/2013 11:40 PM
1312258-05A	MW-12		12/5/2013 8:30:00 AM			12/12/2013 05:16 AM
1312258-06A	MW-13		12/4/2013 2:20:00 PM			12/12/2013 12:31 AM
1312258-07A	MW-14		12/4/2013 1:30:00 PM			12/12/2013 02:15 AM
1312258-09A	MW-17		12/4/2013 9:50:00 AM			12/12/2013 12:05 AM
1312258-13A	MW-21		12/4/2013 12:30:00 PM			12/12/2013 02:41 AM
1312258-14A	MW-22		12/4/2013 12:20:00 PM			12/12/2013 12:57 AM
1312258-15A	DUP		12/4/2013			12/12/2013 03:33 AM
						12/12/2013 06:08 AM
<u>Batch ID R158524</u> <u>Test Name:</u> <u>Low Level Volatiles - SW8260C</u>						
1312258-07A	MW-14	Water	12/4/2013 1:30:00 PM			12/12/2013 02:20 PM
1312258-13A	MW-21		12/4/2013 12:30:00 PM			12/12/2013 01:33 PM

ALS Environmental

Date: 13-Dec-13

Client: Tasman Geosciences
Work Order: 1312258
Project: Lee Plant

QC BATCH REPORT

Batch ID: **R158387** Instrument ID **VOA6** Method: **SW8260**

MBLK	Sample ID: VBLKW-131210-R158387					Units: µg/L	Analysis Date: 12/10/2013 10:42 PM			
Client ID:	Run ID: VOA6_131210C					SeqNo: 3464511	Prep Date:	DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
Toluene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 1,2-Dichloroethane-d4	51.23	1.0	50	0	102	71-125	0			
Surr: 4-Bromofluorobenzene	49.29	1.0	50	0	98.6	70-125	0			
Surr: Dibromofluoromethane	50.07	1.0	50	0	100	74-125	0			
Surr: Toluene-d8	48.62	1.0	50	0	97.2	75-125	0			

LCS	Sample ID: VLCSW-131210-R158387					Units: µg/L	Analysis Date: 12/10/2013 09:50 PM			
Client ID:	Run ID: VOA6_131210C					SeqNo: 3464510	Prep Date:	DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.07	1.0	50	0	96.1	80-120				
Ethylbenzene	50.22	1.0	50	0	100	80-120				
Toluene	49.17	1.0	50	0	98.3	80-121				
Xylenes, Total	152.5	3.0	150	0	102	80-124				
Surr: 1,2-Dichloroethane-d4	50.75	1.0	50	0	101	71-125	0			
Surr: 4-Bromofluorobenzene	50.85	1.0	50	0	102	70-125	0			
Surr: Dibromofluoromethane	50.04	1.0	50	0	100	74-125	0			
Surr: Toluene-d8	50.25	1.0	50	0	100	75-125	0			

MS	Sample ID: 1312128-01AMS					Units: µg/L	Analysis Date: 12/11/2013 12:25 AM			
Client ID:	Run ID: VOA6_131210C					SeqNo: 3464515	Prep Date:	DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	446.4	10	500	0	89.3	80-120				
Ethylbenzene	460.4	10	500	0	92.1	80-120				
Toluene	454.8	10	500	0	91	80-121				
Xylenes, Total	1406	30	1500	0	93.8	80-124				
Surr: 1,2-Dichloroethane-d4	508.6	10	500	0	102	71-125	0			
Surr: 4-Bromofluorobenzene	503.9	10	500	0	101	70-125	0			
Surr: Dibromofluoromethane	500.9	10	500	0	100	74-125	0			
Surr: Toluene-d8	500.9	10	500	0	100	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tasman Geosciences
 Work Order: 1312258
 Project: Lee Plant

QC BATCH REPORT

Batch ID: **R158387** Instrument ID **VOA6** Method: **SW8260**

MSD		Sample ID: 1312128-01AMSD				Units: µg/L		Analysis Date: 12/11/2013 12:51 AM		
Client ID:		Run ID: VOA6_131210C				SeqNo: 3464516		Prep Date:		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	459.1	10	500	0	91.8	80-120	446.4	2.82	20	
Ethylbenzene	479.9	10	500	0	96	80-120	460.4	4.16	20	
Toluene	468.2	10	500	0	93.6	80-121	454.8	2.9	20	
Xylenes, Total	1439	30	1500	0	95.9	80-124	1406	2.3	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	504.4	10	500	0	101	71-125	508.6	0.816	20	
<i>Surr: 4-Bromofluorobenzene</i>	508.5	10	500	0	102	70-125	503.9	0.894	20	
<i>Surr: Dibromofluoromethane</i>	492.8	10	500	0	98.6	74-125	500.9	1.64	20	
<i>Surr: Toluene-d8</i>	503.9	10	500	0	101	75-125	500.9	0.581	20	

The following samples were analyzed in this batch:

1312258-01A	1312258-04A	1312258-05A
1312258-08A	1312258-09A	1312258-10A
1312258-11A	1312258-12A	1312258-16A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tasman Geosciences
Work Order: 1312258
Project: Lee Plant

QC BATCH REPORT

Batch ID: **R158465** Instrument ID **VOA6** Method: **SW8260**

MBLK	Sample ID: VBLKW-131211-R158465				Units: µg/L		Analysis Date: 12/11/2013 11:14 PM			
Client ID:	Run ID: VOA6_131211B				SeqNo: 3466330		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
Toluene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 1,2-Dichloroethane-d4	51.99	1.0	50	0	104	71-125	0			
Surr: 4-Bromofluorobenzene	49.06	1.0	50	0	98.1	70-125	0			
Surr: Dibromofluoromethane	49.97	1.0	50	0	99.9	74-125	0			
Surr: Toluene-d8	48.34	1.0	50	0	96.7	75-125	0			

LCS	Sample ID: VLCSW-131211-R158465				Units: µg/L		Analysis Date: 12/11/2013 10:22 PM			
Client ID:	Run ID: VOA6_131211B				SeqNo: 3466329		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	46.07	1.0	50	0	92.1	80-120				
Ethylbenzene	49	1.0	50	0	98	80-120				
Toluene	47.05	1.0	50	0	94.1	80-121				
Xylenes, Total	147.1	3.0	150	0	98.1	80-124				
Surr: 1,2-Dichloroethane-d4	49.89	1.0	50	0	99.8	71-125	0			
Surr: 4-Bromofluorobenzene	50.43	1.0	50	0	101	70-125	0			
Surr: Dibromofluoromethane	49.57	1.0	50	0	99.1	74-125	0			
Surr: Toluene-d8	49.71	1.0	50	0	99.4	75-125	0			

MS	Sample ID: 1312258-06AMS				Units: µg/L		Analysis Date: 12/12/2013 04:24 AM			
Client ID: MW-13	Run ID: VOA6_131211B				SeqNo: 3466342		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	51.47	1.0	50	0.2588	102	80-120				
Ethylbenzene	45.84	1.0	50	0	91.7	80-120				
Toluene	45.98	1.0	50	0	92	80-121				
Xylenes, Total	137.7	3.0	150	0	91.8	80-124				
Surr: 1,2-Dichloroethane-d4	50.28	1.0	50	0	101	71-125	0			
Surr: 4-Bromofluorobenzene	50.72	1.0	50	0	101	70-125	0			
Surr: Dibromofluoromethane	49.78	1.0	50	0	99.6	74-125	0			
Surr: Toluene-d8	49.78	1.0	50	0	99.6	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tasman Geosciences
 Work Order: 1312258
 Project: Lee Plant

QC BATCH REPORT

Batch ID: **R158465** Instrument ID **VOA6** Method: **SW8260**

MSD Sample ID: **1312258-06AMSD** Units: **µg/L** Analysis Date: **12/12/2013 04:50 AM**
 Client ID: **MW-13** Run ID: **VOA6_131211B** SeqNo: **3466343** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.18	1.0	50	0.2588	95.8	80-120	51.47	6.6	20	
Ethylbenzene	47.27	1.0	50	0	94.5	80-120	45.84	3.08	20	
Toluene	47.24	1.0	50	0	94.5	80-121	45.98	2.7	20	
Xylenes, Total	142.4	3.0	150	0	95	80-124	137.7	3.34	20	
Surr: 1,2-Dichloroethane-d4	50.61	1.0	50	0	101	71-125	50.28	0.638	20	
Surr: 4-Bromofluorobenzene	50.97	1.0	50	0	102	70-125	50.72	0.493	20	
Surr: Dibromofluoromethane	49.4	1.0	50	0	98.8	74-125	49.78	0.765	20	
Surr: Toluene-d8	50.21	1.0	50	0	100	75-125	49.78	0.858	20	

The following samples were analyzed in this batch:

1312258-02A	1312258-03A	1312258-04A
1312258-05A	1312258-06A	1312258-07A
1312258-09A	1312258-13A	1312258-14A
1312258-15A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tasman Geosciences
 Work Order: 1312258
 Project: Lee Plant

QC BATCH REPORT

Batch ID: **R158524** Instrument ID **VOA6** Method: **SW8260**

MBLK Sample ID: **VBLKW-131212-R158524** Units: **µg/L** Analysis Date: **12/12/2013 11:52 AM**
 Client ID: Run ID: **VOA6_131212A** SeqNo: **3467762** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Surr: 1,2-Dichloroethane-d4	50.89	1.0	50	0	102	71-125	0			
Surr: 4-Bromofluorobenzene	49.99	1.0	50	0	100	70-125	0			
Surr: Dibromofluoromethane	49.29	1.0	50	0	98.6	74-125	0			
Surr: Toluene-d8	49.69	1.0	50	0	99.4	75-125	0			

LCS Sample ID: **VLCSW-131212-R158524** Units: **µg/L** Analysis Date: **12/12/2013 10:44 AM**
 Client ID: Run ID: **VOA6_131212A** SeqNo: **3467761** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	47.52	1.0	50	0	95	80-120				
Surr: 1,2-Dichloroethane-d4	49.96	1.0	50	0	99.9	71-125	0			
Surr: 4-Bromofluorobenzene	50.48	1.0	50	0	101	70-125	0			
Surr: Dibromofluoromethane	48.84	1.0	50	0	97.7	74-125	0			
Surr: Toluene-d8	50.07	1.0	50	0	100	75-125	0			

MS Sample ID: **1312345-18AMS** Units: **µg/L** Analysis Date: **12/12/2013 12:42 PM**
 Client ID: Run ID: **VOA6_131212A** SeqNo: **3467764** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.9	1.0	50	102.9	-108	80-120				S
Surr: 1,2-Dichloroethane-d4	50.44	1.0	50	0	101	71-125	0			
Surr: 4-Bromofluorobenzene	50.59	1.0	50	0	101	70-125	0			
Surr: Dibromofluoromethane	49.44	1.0	50	0	98.9	74-125	0			
Surr: Toluene-d8	49.94	1.0	50	0	99.9	75-125	0			

MSD Sample ID: **1312345-18AMSD** Units: **µg/L** Analysis Date: **12/12/2013 01:08 PM**
 Client ID: Run ID: **VOA6_131212A** SeqNo: **3467765** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	137.3	1.0	50	102.9	68.8	80-120	48.9	95	20	SR
Surr: 1,2-Dichloroethane-d4	50.27	1.0	50	0	101	71-125	50.44	0.339	20	
Surr: 4-Bromofluorobenzene	50.92	1.0	50	0	102	70-125	50.59	0.639	20	
Surr: Dibromofluoromethane	49.6	1.0	50	0	99.2	74-125	49.44	0.317	20	
Surr: Toluene-d8	49.95	1.0	50	0	99.9	75-125	49.94	0.0128	20	

The following samples were analyzed in this batch:

1312258-07A 1312258-13A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tasman Geosciences
Project: Lee Plant
WorkOrder: 1312258

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

<u>Units Reported</u>	<u>Description</u>
mg/L	Milligrams per Liter

Sample Receipt Checklist

Client Name: **TASMAN GEOSCIENCES**

Date/Time Received: **06-Dec-13 11:17**

Work Order: **1312258**

Received by: **BFP**

Checklist completed by Robert D. Harris
eSignature

06-Dec-13
Date

Reviewed by: Sonia West
eSignature

09-Dec-13
Date

Matrices: **waters**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	<u>0.6c/0.6c c/u</u> <u>IR1</u>		
Cooler(s)/Kit(s):	<u>5178</u>		
Date/Time sample(s) sent to storage:	<u>12/6/13 16:25</u>		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☒
pH adjusted?	Yes ☐	No ☐	N/A ☒
pH adjusted by:	<u>-</u>		

Login Notes: Trip blank not on COC; logged in without analysis.

Client Contacted:

Date Contacted:

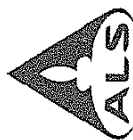
Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



Cincinnati, OH
+1 513 733 5336
Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511
Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 2

COC ID: 87022

1312258

TASMAN GEOSCIENCES, Tasman Geosciences

Project: Lee Plant 400128007 GN00

Environmental



Customer Information				Project Information			
Purchase Order	Project Name	Project Number	Lee Plant				
Work Order	Project Number	400128007 GN00					
Company Name	Bill To Company	DCP Midstream, LP					
Send Report To	Invoice Attn	Chandler Cole					
Address	Address	370 17th Street, Suite 2500					
City/State/Zip	City/State/Zip	Denver, Colorado 80102					
Phone	Phone						
Fax	Fax						
e-Mail Address	e-Mail Address						

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-7	12/4/13	1500	Water	HCl	3	X										
2	MW-9	12/5/13	945	Water													
3	MW-10	12/5/13	1050	Water													
4	MW-11	12/4/13	1200	Water													
5	MW-12	12/5/13	830	Water													
6	MW-13	12/4/13	1420	Water													
7	MW-13 MS	12/4/13	1420	Water													
8	MW-13 MSD	12/4/13	1420	Water													
9	MW-14	12/4/13	1230	Water													
10	MW-16	12/4/13	1140	Water													

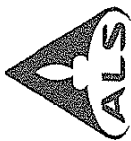
Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)		Results Due Date:	
Christine Wasko	Fedex	Std 10 WK Days	5 WK Days	Other	2 WK Days	24 Hour	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Christine Wasko	12/5/13	1300	Res. Lab		
			Received by (Laboratory):		
			Checked by (Laboratory):		

Preservative Key:		QC Package: (Check One Box Below)	
1-HCl	2-HNO ₃	Level II Std OC	Level III Std QC/Raw Data
3-H ₂ SO ₄	4-NaOH	Level IV SW846/CLP	Other / EDD

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Chain of Custody Form

Page 2 of 2

COC ID: 87021

Houston, TX
+1 281 530 5636
Middletown, PA
+1 717 944 5541

Spring City, PA
+1 610 948 4903
Salt Lake City, UT
+1 801 266 7700

South Charleston, WV
+1 304 356 3168
York, PA
+1 717 505 5280

Customer Information		Project Information		ALS Project Manager:		ALS Work Order #:	
Purchase Order		Project Name	Lee Plant	A	STEX (8260B)		
Work Order		Project Number	400128007 GN00	B			
Company Name	Tasman Geosciences	Bill To Company	DCP Midstream, LP	C			
Send Report To	Christine Wasko	Invoice Attn	Chandler Cole	D			
Address	5690 Webster Street	Address	370 17th Street, Suite 2500	E			
City/State/Zip	Anvada, CO 80002	City/State/Zip	Denver, Colorado 80102	F			
Phone	(720) 988-2024	Phone		G			
Fax		Fax		H			
e-Mail Address		e-Mail Address		I			
				J			

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-17	12/4/13	9:50	Water	He-1	3	X										
2	MW-18	12/4/13	9:10	Water													
3	MW-19	12/4/13	11:15	Water													
4	MW-20	12/4/13	10:40	Water													
5	MW-21	12/4/13	12:30	Water													
6	MW-22	12/4/13	12:20	Water													
7	DUP			Water													
8				Water													
9																	
10																	

Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)		Results Due Date:				
CHRISTINE WASKO		FedEx		☒ Std 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour						
Relinquished by:	Date: 12/5/13 Time: 1:30 PM	Received by:	Date: 12-6-13 Time: 11:17 AM	Notes: 10 Day TAT.						
Relinquished by:		Received by:								
Logged by (Laboratory):		Checked by (Laboratory):		Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)				
						☒ Level II Std CC ☐ TRRP Checklist				
						☐ Level III Std CC/Raw Data ☐ TRRP Level IV				
						☐ Level IV SW846/CLP ☐ Other / EDD				
Preservative Key:		1-HCl	2-HNO ₃	3-H ₂ SO ₄	4-NaOH	5-Na ₂ S ₂ O ₅	6-NaHSO ₄	7-Other	8-4°C	9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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1312258

ORIGIN ID: H0BA (281) 530-5656
 ALS LABORATORY GROUP
 10450 STANCLIFF RD STE 210
 HOUSTON, TX 770994338
 UNITED STATES US

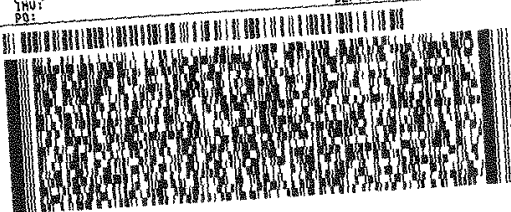
SHIP DATE: 05DEC13
 ACTWGT: 28.0 LB MAN
 CAD: /POS1424
 DIMS: 24x23x13 IN
 BILL SENDER

TO

ALS LABORATORY GROUP
10450 STANCLIFF RD
STE 210
HOUSTON TX 77099
 (281) 530-5656

REF:

DEPT:



FedEx
 Express



1 of 2
 TRK# 8042 4829 1394
 (0215)
 ## MASTER ##

FRI - 06 DEC 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099
 TX-US IAH



312 Fedex - Houston TX, US, 77099

ALS Environmental
 10450 Stancliff Rd., Ste 210
 Houston, Texas 77099
 Tel. 281 530 5656
 Fax. 281 530 5657

CUSTODY SEAL

Initialed: 12/13 Time: 1300
 Name: Orlando L. L. L.
 Company: ALS Environmental

Seal Broken By:

Date:

Appendix B

Historical Analytical Data

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-1	3/1/2008	1.4	0.0395	0.948	0.128	
MW-1	6/1/2008	2.75	0.054	2.17	0.232	
MW-1	9/1/2008	1.1	0.0375	0.845	0.131	
MW-1	12/1/2008	0.869	0.0385	0.581	0.0709	
MW-1	3/1/2009	0.288	0.0149	0.107	0.0395	
MW-1	5/1/2009	1.38	0.0705	0.175	0.065	
MW-1	9/1/2009	0.267	0.024	0.0332	0.0078	
MW-1	12/209	0.819	0.088	0.0267	0.012	
MW-1	3/1/2010	0.726	0.0879	0.107	0.0278	
MW-2	3/1/2008	8.98	0.135	6.58	0.765	
MW-2	6/1/2008	24.3	0.319	18.5	2.58	
MW-2	9/1/2008	21.7	0.443	9.79	4.25	
MW-2	12/1/2008	Not Sampled: Remediation Activities				
MW-2	3/1/2009	23.7	0.538	2.34	1.25	
MW-2	5/1/2009	32.7	0.791	1.31	1.69	
MW-2	9/1/2009	29.3	0.491	0.771	0.371	
MW-2	12/1/2009	28.5	0.57	0.347	0.177	
MW-2	3/1/2010	23.8	0.529	0.71	<1.2	
MW-3	9/27/2005	<0.47	<0.54	<0.48	<2.0	
MW-3	12/21/2006	<0.23	<0.54	<0.48	<1.1	
MW-3	3/1/2008	NS	NS	NS	NS	
MW-3	6/1/2008	NS	NS	NS	NS	
MW-3	9/1/2008	NS	NS	NS	NS	
MW-3	12/1/2008	NS	NS	NS	NS	
MW-3	3/1/2009	NS	NS	NS	NS	
MW-3	5/1/2009	NS	NS	NS	NS	
MW-3	9/1/2009	NS	NS	NS	NS	
MW-3	12/1/2009	NS	NS	NS	NS	
MW-3	3/1/2010	NS	NS	NS	NS	
MW-3	3/29/2010	NS	NS	NS	NS	
MW-3	9/24/2010	NS	NS	NS	NS	
MW-3	6/3/2011	NS	NS	NS	NS	
MW-3	12/15/2011	NS	NS	NS	NS	
MW-3	6/7/2012	NS	NS	NS	NS	
MW-3	12/6/2012	NS	NS	NS	NS	
MW-3	6/5/2013	NS	NS	NS	NS	
MW-3	12/4/2013	NS	NS	NS	NS	
MW-4	12/21/2006	0.03	0.0058	<0.48	0.0075	
MW-4	12/1/2009	NS	NS	NS	NS	
MW-4	6/1/2008	NS	NS	NS	NS	
MW-4	9/1/2008	NS	NS	NS	NS	
MW-4	12/1/2008	NS	NS	NS	NS	
MW-4	3/1/2009	NS	NS	NS	NS	
MW-4	5/1/2009	NS	NS	NS	NS	
MW-4	9/1/2009	NS	NS	NS	NS	
MW-4	12/1/2009	NS	NS	NS	NS	
MW-4	3/1/2010	NS	NS	NS	NS	

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-5	3/1/2008	NS	NS	NS	NS	
MW-5	3/29/2010	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	9/24/2010	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	6/3/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	12/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	6/7/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5*	12/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5*	6/5/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5*	12/4/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6	12/21/2006	<0.23	<0.54	<0.48	<1.1	
MW-6	3/29/2010	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6	9/24/2010	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6	6/3/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6	12/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6*	12/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6	6/7/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6*	6/5/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6*	12/4/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-7	9/24/2004	<1.0	0.0012	0.0017	<2.0	
MW-7	9/27/2005	0.001	<0.54	0.0025	<2.0	
MW-7	9/15/2006	0.74	<0.54	0.0056	0.0086	
MW-7	12/21/2006	<0.23	<0.54	<0.48	<1.1	
MW-7	9/20/2007	0.864	<0.00054	0.006	0.0137	
MW-7	9/17/2009	5.75	0.0018	0.002	0.0018	
MW-7	3/29/2010	4.98	0.0017	0.0146	0.0088	
MW-7	3/29/2010	4.98	0.0017	0.0146	0.0088	
MW-7	9/23/2010	0.976	0.00057	0.0083	<0.0017	
MW-7	9/24/2010	0.976	0.00057	0.0083	<0.0017	
MW-7	6/3/2011	<0.001	<0.002	<0.002	<0.004	
MW-7	6/3/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-7	12/15/2011	0.0013	<0.002	<0.002	<0.004	
MW-7	6/7/2012	0.037	<0.005	<0.005	<0.015	
MW-7	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-7	6/4/2013	0.0062	<0.001	<0.001	<0.001	
MW-7	12/4/2013	0.2	<0.001	0.0073	0.01	
MW-8	12/21/2006	<0.23	<0.54	<0.48	<1.1	
MW-8	3/29/2010	LNAPL	LNAPL	LNAPL	LNAPL	
MW-8	9/24/2010	LNAPL	LNAPL	LNAPL	LNAPL	
MW-8	6/3/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-8	12/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-8	6/7/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-8*	12/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-8*	6/5/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-8*	12/4/2013	LNAPL	LNAPL	LNAPL	LNAPL	

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-9	9/23/2004	2.4	<1.0	0.013	0.0027	
MW-9	9/27/2005	3.4	<0.54	0.053	0.0096	
MW-9	9/15/2006	10.9	<0.54	-	0.025	
MW-9	9/20/2007	22.6	<0.00054	0.27	0.0834	
MW-9	9/17/2009	10.2	<0.00043	0.212	0.0351	
MW-9	3/29/2010	0.376	<0.002	0.0016	<0.006	
MW-9	3/29/2010	0.376	<0.00043	0.0016	<0.0017	
MW-9	9/23/2010	0.0167	<0.00043	0.0008	<0.0017	
MW-9	9/24/2010	0.0167	<0.002	0.0008	<0.0017	
MW-9	6/3/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	12/16/2011	12.5	<0.40	0.390	<0.80	
MW-9	6/7/2012	13.0	0.44	<0.025	<0.075	
MW-9	12/7/2012	13.0	0.89	<0.050	0.28	Duplicate sample collected
MW-9	6/5/2013	16.0	<0.010	0.96	0.38	Duplicate sample collected
MW-9	12/4/2013	9.4	<0.010	0.61	0.025	Duplicate sample collected
MW-10	9/24/2004	0.022	<1.0	<1.0	<2.0	
MW-10	9/27/2005	0.0032	<0.54	<0.48	<2.0	
MW-10	9/15/2006	0.0025	<0.54	<0.48	<1.1	
MW-10	9/20/2007	3.67	<0.00054	0.0016	<0.0011	
MW-10	9/17/2009	3.58	<0.00043	0.0411	<0.0017	
MW-10	3/29/2010	0.192	<0.002	0.00095	<0.006	
MW-10	3/29/2010	0.192	<0.00043	0.00095	<0.0017	
MW-10	9/24/2010	12.2	<0.002	0.0723	0.0026	
MW-10	9/24/2010	12.2	<0.00043	0.0723	0.0026	
MW-10	6/3/2011	<0.001	<0.002	<0.002	<0.004	
MW-10	6/3/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-10	12/15/2011	12.5	<0.40	0.204	<0.80	
MW-10	6/7/2012	29.0	0.19	<0.05	<0.15	
MW-10	12/7/2012	27.0	0.23	<0.050	<0.15	
MW-10	6/5/2013	26.0	<0.010	0.33	<0.010	
MW-10	12/4/2013	19.0	<0.010	0.3	<0.01	
MW-11	9/23/2004	<1.0	<1.0	<1.0	<2.0	
MW-11	3/14/2005	<1.0	<1.0	<1.0	<2.0	
MW-11	9/26/2005	<0.47	<0.54	<0.48	<2.0	
MW-11	3/2/2006	<0.47	<0.54	<0.48	<2.0	
MW-11	9/14/2006	<0.23	<0.54	<0.48	<1.1	
MW-11	3/28/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-11	9/20/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-11	3/20/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-11	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-11	9/18/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-11	3/29/2010	<0.002	<0.002	<0.002	<0.006	
MW-11	3/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-11	9/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-11	9/24/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-11	6/3/2011	<0.001	<0.002	<0.002	<0.004	
MW-11	6/3/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-11	12/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-11	6/8/2012	<0.005	<0.005	<0.005	<0.015	
MW-11	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-11	6/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-11	12/4/2013	<0.001	<0.001	<0.001	<0.001	

**APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO**

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-12	9/23/2004	<1.0	<1.0	<1.0	<2.0	
MW-12	3/14/2005	<1.0	<1.0	<1.0	<2.0	
MW-12	9/26/2005	<0.47	<0.54	<0.48	<2.0	
MW-12	3/2/2006	<0.47	<0.54	<0.48	<2.0	
MW-12	9/14/2006	<0.23	<0.54	<0.48	<1.1	
MW-12	3/28/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-12	9/20/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-12	3/20/2008	<0.00046	0.00065	<0.00045	<0.0014	
MW-12	11/10/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-12	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-12	9/18/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-12	3/29/2010	<0.002	<0.002	<0.002	<0.006	
MW-12	3/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-12	9/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-12	9/24/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-12	6/3/2011	<0.001	<0.002	<0.002	<0.004	
MW-12	6/3/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-12	12/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-12	6/7/2012	0.74	<0.005	<0.005	<0.015	
MW-12	12/7/2012	5.5	0.0086	<0.005	<0.015	
MW-12	6/5/2013	4.3	<0.005	<0.005	<0.005	
MW-12	12/4/2013	3.7	<0.0010	0.0011	<0.001	
MW-13	9/23/2004	<1.0	<1.0	<1.0	<2.0	
MW-13	3/14/2005	<1.0	<1.0	<1.0	<2.0	
MW-13	9/26/2005	<0.47	<0.54	<0.48	<2.0	
MW-13	3/2/2006	<0.47	<0.54	<0.48	<2.0	
MW-13	9/14/2006	<0.23	<0.54	<0.48	<1.1	
MW-13	3/28/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-13	9/20/2007	0.00092	<0.00054	<0.00048	<0.0011	
MW-13	3/20/2008	<0.00046	0.0005	<0.00045	<0.0014	
MW-13	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-13	9/18/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-13	3/29/2010	<0.002	<0.002	<0.002	<0.006	
MW-13	3/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-13	9/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-13	9/24/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-13	6/3/2011	<0.001	<0.002	<0.002	<0.004	
MW-13	6/3/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-13	12/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-13	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-13	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-13	6/4/2013	0.0022	<0.001	<0.001	<0.001	
MW-13	12/4/2013	<0.001	<0.001	<0.001	<0.001	

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FORMER LEE GAS PLANT
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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-14	9/23/2004	<1.0	<1.0	<1.0	<2.0	
MW-14	9/27/2005	0.0017	<0.54	<0.48	<2.0	
MW-14	9/15/2006	0.14	<0.54	0.003	<1.1	
MW-14	9/20/2007	0.003	<0.00054	<0.00048	<0.0011	
MW-14	9/18/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-14	3/29/2010	NS	NS	NS	NS	
MW-14	9/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-14	9/24/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-14	6/3/2011	NS	NS	NS	NS	
MW-14	12/15/2011	0.231	<0.002	0.0095	<0.004	
MW-14	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-14	12/7/2012	0.0024	<0.001	<0.001	<0.003	
MW-14	6/5/2013	0.0019	<0.001	<0.001	<0.001	
MW-14	12/4/2013	0.44	<0.001	<0.001	<0.001	
MW-15	3/29/2010	LNAPL	LNAPL	LNAPL	LNAPL	
MW-15	9/24/2010	LNAPL	LNAPL	LNAPL	LNAPL	
MW-15	6/3/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-15	12/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-15	6/7/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-15*	12/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-15*	6/5/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-15*	12/4/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-16	9/23/2004	0.012	<1.0	<1.0	<2.0	
MW-16	9/26/2005	0.016	<0.54	<0.48	<2.0	
MW-16	9/14/2006	0.2	0.0097	0.0035	0.0078	
MW-16	9/20/2007	0.0309	0.0014	0.00053	0.0018	
MW-16	9/18/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-16	3/29/2010	NS	NS	NS	NS	
MW-16	9/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-16	9/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-16	6/3/2011	NS	NS	NS	NS	
MW-16	12/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	6/8/2012	<0.005	<0.005	<0.005	<0.015	
MW-16	12/6/2012	0.051	0.0013	0.0027	<0.003	
MW-16	6/5/2013	0.0086	<0.001	<0.001	<0.001	
MW-16	12/4/2013	0.078	0.0029	0.0028	0.0032	
MW-17	9/23/2004	<1.0	<1.0	<1.0	<2.0	
MW-17	9/26/2005	0.0018	<0.54	<0.48	<2.0	
MW-17	9/14/2006	<0.23	<0.54	<0.48	<1.1	
MW-17	9/20/2007	0.0118	<0.00054	<0.00048	<0.0011	
MW-17	9/18/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-17	3/29/2010	NS	NS	NS	NS	
MW-17	9/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-17	9/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-17	6/3/2011	NS	NS	NS	NS	
MW-17	12/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-17	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-17	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-17	6/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-17	12/4/2013	0.0014	<0.001	<0.001	<0.001	

APPENDIX B
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FORMER LEE GAS PLANT
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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-18	9/23/2004	<1.0	<1.0	<1.0	<2.0	
MW-18	9/26/2005	<0.47	<0.54	<0.48	<2.0	
MW-18	9/14/2006	<0.23	<0.54	<0.48	<1.1	
MW-18	9/20/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-18	9/17/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-18	3/29/2010	NS	NS	NS	NS	
MW-18	9/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-18	9/24/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-18	6/3/2011	NS	NS	NS	NS	
MW-18	12/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-18	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-18	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-18	6/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-18	12/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-19	9/23/2004	<1.0	<1.0	<1.0	<2.0	
MW-19	3/14/2005	<1.0	<1.0	<1.0	<2.0	
MW-19	9/26/2005	<0.47	<0.54	<0.48	<2.0	
MW-19	3/2/2006	<0.47	<0.54	<0.48	<2.0	
MW-19	9/14/2006	<0.23	<0.54	<0.48	<1.1	
MW-19	3/28/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-19	9/20/2007	0.001	<0.00054	<0.00048	<0.0011	
MW-19	3/20/2008	<0.00046	0.00061	<0.00045	<0.0014	
MW-19	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-19	9/17/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	3/29/2010	<0.002	<0.002	<0.002	<0.006	
MW-19	3/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	9/24/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	9/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-19	9/24/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	6/3/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	6/3/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-19	12/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-19	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-19	6/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-19	12/4/2013	<0.001	<0.001	<0.001	<0.001	

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LEA COUNTY, NEW MEXICO**

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-20	9/23/2004	<11	<11	<11	<22	
MW-20	3/14/2005	<1.0	<1.0	<1.0	<2.0	
MW-20	9/26/2005	<0.47	<0.54	<0.48		
MW-20	3/2/2006	<0.47	<0.54	<0.48	<2.0	
MW-20	9/14/2006	<0.23	<0.54	0.0023	<1.1	
MW-20	3/28/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-20	9/20/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-20	3/20/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-20	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-20	9/17/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-20	3/29/2010	<0.002	<0.002	<0.002	<0.006	
MW-20	3/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-20	9/24/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-20	9/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-20	9/24/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-20	6/3/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	6/3/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-20	12/15/2011	0.0013	<0.002	<0.002	<0.004	
MW-20	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-20	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-20	6/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-20	12/4/2013	<0.001	<0.001	<0.001	<0.001	
MW-21	9/23/2004	8.5	<1.0	0.14	0.2	
MW-21	3/14/2005	6.7	<1.0	0.17	0.29	
MW-21	9/27/2005	4.4	<0.54	0.087	0.11	
MW-21	3/2/2006	2.4	0.00062	0.069	0.11	
MW-21	9/15/2006	0.48	<0.54	0.023	0.034	
MW-21	3/28/2007	13.2	0.0059	0.839	0.883	
MW-21	9/20/2007	7.23	0.00067	0.462	0.321	
MW-21	3/20/2008	0.899	<0.00048	0.0399	0.0452	
MW-21	3/11/2009	0.216	<0.00048	0.0018	<0.0014	
MW-21	9/17/2009	12.1	0.0034	1.09	0.312	
MW-21	3/29/2010	14.8	0.00265	1.54	0.1945	
MW-21	3/29/2010	13.00	0.0023	1.32	0.0959	
MW-21	9/24/2010	11.555	0.0019	1.535	0.02645	
MW-21	9/25/2010	9.41	0.002	1.4	0.0104	
MW-21	6/3/2011	7.97	0.0012	0.536	<0.004	Duplicate sample collected
MW-21	6/3/2011	7.78	0.0011	0.465	<0.0020	
MW-21	12/16/2011	0.671	<0.02	0.0513	<0.04	Duplicate sample collected
MW-21	6/7/2012	4.4	0.24	<0.025	0.086	Duplicate sample collected
MW-21	12/7/2012	1.9	0.24	<0.005	0.098	
MW-21	6/5/2013	0.78	<0.001	0.097	0.011	
MW-21	12/4/2013	1.8	<0.0010	0.10	0.0064	

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HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
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LEA COUNTY, NEW MEXICO**

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-22	9/23/2004	0.0067	<1.0	<1.0	<2.0	
MW-22	9/27/2005	<0.47	<0.54	<0.48	<2.0	
MW-22	9/15/2006	0.011	<0.54	<0.48	<1.1	
MW-22	9/20/2007	0.00057	<0.00054	<0.00048	<0.0011	
MW-22	9/17/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-22	3/29/2010	NS	NS	NS	NS	
MW-22	9/24/2010	0.0114	<0.002	0.0033	<0.006	
MW-22	9/25/2010	0.0114	<0.00043	0.0033	<0.0017	
MW-22	6/3/2011	NS	NS	NS	NS	
MW-22	12/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-22	6/7/2012	<0.005	<0.005	<0.005	<0.015	
MW-22	12/6/2012	<0.001	<0.001	<0.001	<0.003	
MW-22	6/5/2013	<0.001	<0.001	<0.001	<0.001	
MW-22	12/4/2013	<0.001	<0.001	<0.001	<0.001	

Notes:

1.) The environmental cleanup standards for water that are applicable to the Former Lee Gas Plant site are the New Mexico Water Quality Control

Bold red values indicate an exceedance of the NMWQCC groundwater standards for the Site.

Sample locations are shown on Figure 2 and analytical results are illustrated on Figure 4.

LNAPL = Light Non-Aqueous Phase Liquid

NM = Not measured.

mg/L = milligrams per liter.