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Denver, Colorado 80202
303-605-1893 – main
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May 30, 2013

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

RE: First 2013 Semi Annual Groundwater Monitoring Report
DCP Monument Booster Station (1RP-156-0)
Unit B Section 33, Township 19 South, Range 37 East

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review one copy of the First 2013 Semi Annual Groundwater Monitoring Report for the DCP Monument Booster Station located in Lea County, New Mexico (Unit B Section 33, Township 19 South, Range 37 East).

Groundwater monitoring activities were completed on February 21, 2013. The data indicate that the groundwater conditions remain stable. The next semi-annual monitoring event is scheduled for the second half of 2013.

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

Chandler E Cole
Senior Environmental Specialist

Enclosure

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

First Half 2013 Semi-Annual Groundwater Monitoring Summary Report

Monument Booster Station
Lea County, New Mexico
1RP-156-0

Prepared for:

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

Prepared by:

6899 Pecos Street, Unit C
Denver, CO 80221

April 25, 2013

Table of Contents

1. Introduction

This report summarizes semi-annual groundwater monitoring and remediation activities conducted during the first half of 2013 at the Monument Booster Station (Site) in Lea County, New Mexico (Figure 1). Tasman Geosciences, LLC (Tasman) conducted these activities on behalf of DCP Midstream (DCP). The field activities described herein were performed with the purpose of: a) determining the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons; b) measuring groundwater levels; c) obtaining groundwater samples for chemical analysis; and d) evaluating groundwater flow and quality conditions. The field data and laboratory analytical results were used to develop a groundwater elevation map, an analytical results map, and LNAPL versus time and groundwater elevation graphs, to evaluate current conditions at the Site.

2. Site Location and Background

The Site is located in New Mexico Oil Conservation Division (OCD) designated Unit B, Section 33, Township 19 South, Range 37 East (Figure 1). The facility coordinates are 32.6240 degrees north and 103.2555 degrees west. This facility is active and continues to be used for gas compression and other activities. DCP also owns the property to the south and east that is contiguous to the fenced facility boundary (Figure 2).

In 1992 three underground storage tanks (USTs) that formerly contained used oil and pipeline liquids (oil and/or natural gas liquid condensate) near the main compressor building were removed. At that time and again in 1994, hydrocarbon-impacted soils (approximately 1,000 cubic yards) were excavated and removed from the Site. Also in 1994, subsurface soil and groundwater investigation activities were initiated to define the horizontal and vertical extent of residual hydrocarbon impacts. In 1994, two groundwater monitoring wells were installed and six soil borings were advanced. In 1995, six additional monitoring wells were installed and one soil boring was advanced.

Hand bailing of LNAPL was initiated in monitoring wells MW-1 and MW-5 in 1995/1996. In 1997, the LNAPL remediation technique was modified to an automated pneumatic product recovery pumping system (Xitech system) in these wells. Around 1999/2000, the Xitech system was taken out of service at both wells and replaced by product absorbent socks and hand bailing. Sometime in mid-2000, the product removal activities ceased while groundwater monitoring continued.

The Site currently has eight groundwater monitoring wells (MW-1, MW-1D, MW-2, MW-3, MW-4, MW-5, MW-6 and MW-7). Seven of the wells are located on the gas compressor facility, and MW-3 is located in the southeast corner of the adjacent DCP owned property. Well MW-2 is located in the northwest corner of the gas compressor facility and is considered the up-gradient well for the Site. Based on previous data, it appears that a release occurred near the former pipeline liquids aboveground storage tank (AST) located near wells MW-1 and MW-1D in the center of the gas compressor facility along the

eastern property boundary (Figure 2). Since 1994/1995, monitoring wells MW-1 and MW-5 have continued to exhibit measurable LNAPL.

3. Groundwater Monitoring

This section describes the field groundwater monitoring activities as well as the laboratory analyses performed during the reporting period. Monitoring activities included Site-wide groundwater gauging, LNAPL measurements, groundwater purging and sampling, and subsequent packaging and shipping of the samples to the laboratory for chemical analyses. Figure 2 illustrates the groundwater monitoring network utilized to perform these activities at the Site.

3.1 Groundwater and LNAPL Elevation Monitoring

Groundwater and LNAPL levels were measured in order to evaluate hydraulic characteristics and provide information regarding fluctuations in groundwater and LNAPL elevations at the Site. In addition, wells that did not have LNAPL present were measured for total depth in order to estimate groundwater purge volumes. During the first half 2013 semi-annual monitoring event, groundwater levels and LNAPL thickness was measured at eight 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 levels were later converted to elevations (feet above mean sea level [AMSL]). LNAPL levels, where indicated by the IP, were also recorded.

Groundwater level measurements collected during the first half 2013 semi-annual monitoring event are presented in Table 1, and the first half 2013 semi-annual groundwater elevation contour map is illustrated on Figure 3. Groundwater elevations ranged from 3,559.65 feet AMSL at monitoring well MW-3 to 3,566.01 feet AMSL at monitoring well MW-2. As illustrated on Figure 3, groundwater flow at the Site generally trends to the southeast with a gradient of approximately 0.0065 foot per foot between monitoring wells MW-2 and MW-3.

LNAPL was detected at MW-1 (1.39-feet) and MW-5 (1.31-feet) with measured thicknesses indicated in parenthesis.

3.2 Groundwater Quality Monitoring

Groundwater levels, the presence of LNAPL, and total depth (in wells without LNAPL) were measured in Site monitoring wells prior to sampling. Subsequently, a minimum of three well casing volumes of groundwater (calculated from total depth of the well and groundwater level measurements) were purged using polyethylene bailers from the subject well prior to collecting groundwater samples. Groundwater samples were collected using the same dedicated polyethylene bailers, placed in clean laboratory supplied containers for the selected analytical methods, packed in an ice-filled cooler and maintained at approximately four (4) degrees Celsius (^{0}C) for transportation. Groundwater samples

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

Water quality samples were collected from six of eight wells. MW-1 and MW-5 were not sampled due to the presence of measurable LNAPL detected in the well. Water quality samples were submitted to ALS for benzene, toluene, ethylbenzene, and xylene (BTEX) analyses by United States Environmental Protection Agency (USEPA) Method 8260B.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the February 2013 event. Analytical results were compared to the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards. Laboratory analytical reports for the event are included in Appendix A and analytical results are summarized on Figure 4. The analytical results for monitoring wells sampled are as follows:

- MW-2, MW-3, MW-4 and MW-6: BTEX concentrations were below laboratory detection limits at these sample locations;
- MW-7: Benzene and ethylbenzene were detected above laboratory detection limits but below NMWQCC groundwater standards;
- MW-1D: Benzene was detected over the NMWQCC groundwater standards limit of 0.01 mg/L at a concentration of 0.016 mg/L.

A table of historical analytical results through the February 2013 event may be found in Appendix B.

Water quality parameters were collected during the first half 2013 monitoring event. Monitoring wells did not require collection of more than three purge volumes to achieve parameter stabilization. As such, the analytical data are considered to be representative of Site conditions in that a minimum of 3 purge volumes were removed from all sampled monitoring wells during the first half 2013 semi-annual event.

3.3 Data Quality Assurance / Quality Control

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. A trip blank, matrix spike or matrix spike duplicate (MS/MSD) and field duplicate sample from well MW-7 were collected during the sampling event. The trip blank was fully in control, having no detections of targets.

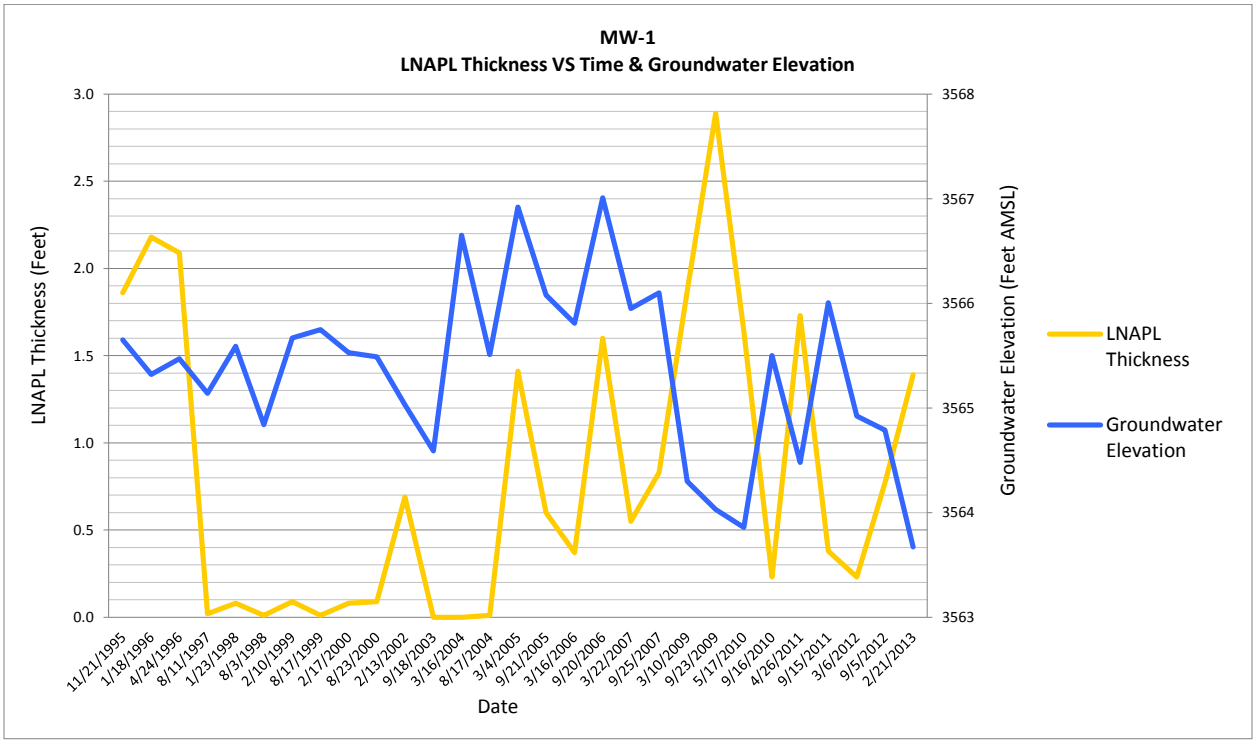
The duplicate sample collected at MW-7 was in compliance with QA/QC standards. MW-7 and associated duplicate sample returned results for benzene of 0.0057 mg/l and 0.0059 mg/l, respectively.

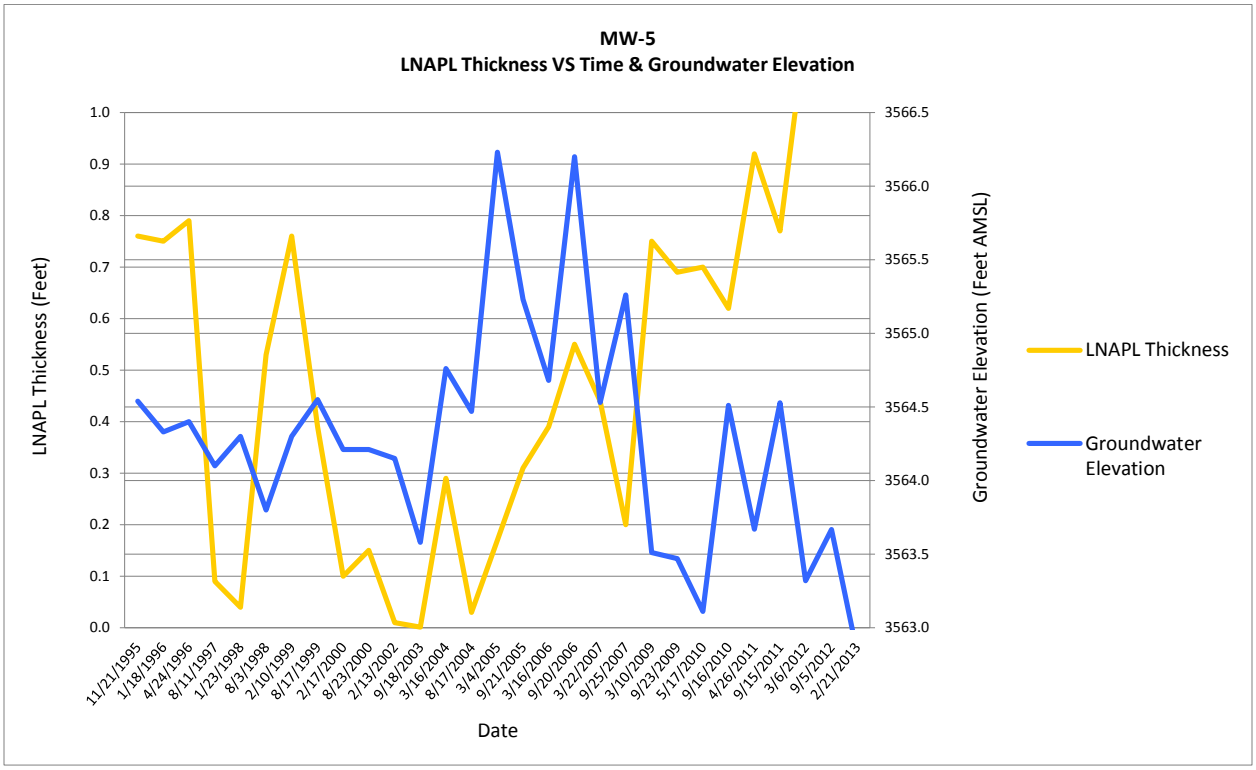
The overall QA/QC assessment of the data, based on the data review, indicate that both field precision and overall data precision and accuracy are acceptable.

4. Remediation Activities

Based on the historic and recent data, natural attenuation remains an effective remediation strategy for the dissolved and free phase petroleum hydrocarbon plumes on Site. Down-gradient monitoring wells MW-3, MW-4 and MW-6, which act as "point of compliance" wells along continue to exhibit non-detect dissolved-phase BTEX concentrations in groundwater.

As illustrated in the graphs below, LNAPL thickness in MW-1 and MW-5 does not appear to exhibit any seasonal fluctuation trends or a relationship to groundwater levels.




MW-5
LNAPL Thickness VS Time & Groundwater Elevation
LNAPL Thickness (Feet)
Groundwater Elevation (Feet AMSL)
Date
LNAPL Thickness
Groundwater Elevation
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
3566.5
3566.0
3565.5
3565.0
3564.5
3564.0
3563.5
3563.0
11/21/1995
1/18/1996
4/24/1996
8/11/1997
1/23/1998
8/3/1998
2/10/1999
8/17/1999
2/17/2000
8/23/2000
2/13/2002
9/18/2003
3/16/2004
8/17/2004
3/4/2005
9/21/2005
3/16/2006
9/20/2006
3/22/2007
9/25/2007
3/10/2009
9/23/2009
5/17/2010
9/16/2010
4/26/2011
9/15/2011
3/6/2012
9/5/2012
2/21/2013

5. Conclusions

During the first half 2013 semi-annual event, only one of the six monitoring wells (MW-1D) sampled contained dissolved-phase hydrocarbon impacts above the NMWQCC groundwater standards. This monitoring well has been non-detect since sampling was initiated in May 1995. It is located immediately up-gradient to both MW-1 and MW-7, which exhibits persistent LNAPL and intermittently dissolved petroleum hydrocarbon concentrations above NMWQCC groundwater standards, respectively. During the first half 2013, the groundwater elevation observed at MW-1D was approximately one foot lower than the September 2012 groundwater elevation. However, there does not appear to be a significant correlation between groundwater elevation and detected benzene concentrations.

Measurable LNAPL remains at MW-1 and MW-5. Considering the apparent minimal subsurface aerial extent of LNAPL and minimal extent of dissolved-phase hydrocarbons at the Site, the residual source material does not appear significant in terms of emplaced volume. The persistence of LNAPL in the vicinity of MW-1 and MW-5 (detected at these well for approximately 15 years) and absence of down gradient free phase hydrocarbons and dissolved-phase impacts in groundwater indicates that the residual constituents of concern are not particularly mobile in the subsurface and natural attenuation is continuing at the Site.

Key factors that may be affecting mobility of LNAPL at the Site likely include the transmissivity of the subsurface formation and the hydraulic gradient across the Site. There appears to be minimal hydraulic gradient potential at the Site, so even though the subsurface may be transmissive the overall plume velocity is slow and therefore does not influence LNAPL mobility. Biodegradation of source material over distance and time from the point of release are likely occurring because dissolved-phase BTEX constituents in groundwater are minimal near the residual LNAPL and further are confirmed (“point of compliance” wells along the down gradient property boundary continue to be non-detect for all BTEX constituents) to be maintained on Site.

Ongoing semi-annual groundwater sampling activities will provide for continued monitoring of Site dissolved-phase BTEX concentrations and LNAPL trends.

6. Recommendations

Based on evaluation of first half 2013 Site observations and monitoring results, continued semi-annual groundwater monitoring and sampling at existing monitoring locations illustrated on Figure 2 is recommended.

Tables

TABLE 1
FIRST HALF 2013 SEMI-ANNUAL
SUMMARY OF GROUNDWATER ELEVATION DATA
MONUMENT BOOSTER STATION
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)	Change in Groundwater Elevation Since Previous Event (3) (feet)
MW-1	4/26/2011	27.97	26.24	1.73		3591.15	3564.48	-1.02
MW-1	9/15/2011	25.43	25.05	0.38		3591.15	3566.01	1.53
MW-1	3/6/2012	26.40	26.17	0.23		3591.15	3564.92	-1.08
MW-1	9/5/2012	26.94	26.17	0.77		3591.15	3564.79	-0.14
MW-1	2/21/2013	28.52	27.13	1.39		3591.15	3563.67	-1.11
MW-1D	4/26/2011	26.49				3591.31	3564.82	-0.86
MW-1D	9/15/2011	25.17			36.36	3591.31	3566.14	1.32
MW-1D	3/6/2012	26.67			36.36	3591.31	3564.64	-1.50
MW-1D	9/5/2012	26.40			36.36	3591.31	3564.91	0.27
MW-1D	2/21/2013	27.43			36.36	3591.31	3563.88	-1.03
MW-2	4/26/2011	29.49				3596.30	3566.81	-0.45
MW-2	9/15/2011	28.99			43.26	3596.30	3567.31	0.50
MW-2	3/6/2012	29.71			43.26	3596.30	3566.59	-0.72
MW-2	9/5/2012	29.36			43.26	3596.30	3566.94	0.35
MW-2	2/21/2013	30.29			43.26	3596.30	3566.01	-0.93
MW-3	4/26/2011	22.65				3583.86	3561.21	-0.17
MW-3	9/15/2011	23.51			35.70	3583.86	3560.35	-0.86
MW-3	3/6/2012	23.57			35.70	3583.86	3560.29	-0.06
MW-3	9/5/2012	23.88			35.70	3583.86	3559.98	-0.31
MW-3	2/21/2013	24.21			35.70	3583.86	3559.65	-0.33
MW-4	4/26/2011	26.60				3588.77	3562.17	-0.70
MW-4	9/15/2011	26.65			38.99	3588.77	3562.12	-0.05
MW-4	3/6/2012	26.91			38.99	3588.77	3561.86	-0.26
MW-4	9/5/2012	26.95			38.99	3588.77	3561.82	-0.04
MW-4	2/21/2013	27.35			38.99	3588.77	3561.42	-0.40
MW-5	4/26/2011	29.18	28.26	0.92		3592.16	3563.67	-0.84
MW-5	9/15/2011	28.21	27.44	0.77		3592.16	3564.53	0.86
MW-5	3/6/2012	29.71	28.55	1.16		3592.16	3563.32	-1.21
MW-5	9/5/2012	29.40	28.19	1.21		3592.16	3563.67	0.35
MW-5	2/21/2013	30.31	29.00	1.31		3592.16	3562.83	-0.83
MW-6	4/26/2011	25.47				3587.93	3562.46	-1.08
MW-6	9/15/2011	25.28			39.51	3587.93	3562.65	0.19
MW-6	3/6/2012	25.99			39.51	3587.93	3561.94	-0.71
MW-6	9/5/2012	25.81			39.51	3587.93	3562.12	0.18
MW-6	2/21/2013	26.26			39.51	3587.93	3561.67	-0.45
MW-7	4/26/2011	26.00				3589.40	3563.40	-0.76
MW-7	9/15/2011	25.07			35.85	3589.40	3564.33	0.93
MW-7	3/6/2012	26.30			35.85	3589.40	3563.10	-1.23
MW-7	9/5/2012	25.97			35.85	3589.40	3563.43	0.33
MW-7	2/21/2013	26.97			35.85	3589.40	3562.43	-1.00
							Average change in groundwater elevation since the previous monitoring event	-0.76

Notes:

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

2- Total depths were collected and recorded during the first 2013 semi-annual monitoring event.

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

Data presented for all well locations includes previous four sampling events, when available. Historic groundwater analytical results for these locations may be found in Appendix B.

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

amsl - feet above mean sea level.

TOC - top of casing

NM - not measured

* Groundwater elevation was corrected for product thickness using the following calculation:

Water table elevation = Water Elevation in Well + ([LNAPL Thickness in Well] * [LNAPL Density])
LNAPL density was assumed to be approximately 0.75 grams per cubic centimeter

TABLE 2
FIRST HALF 2013 SEMI-ANNUAL
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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	9/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	3/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	9/5/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	2/21/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1D	4/26/2011	<0.001	<0.002	<0.002	<0.002	
MW-1D	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-1D	3/6/2012	<0.005	<0.005	<0.005	<0.015	
MW-1D	9/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-1D	2/21/2013	**0.016**	<0.001	<0.001	<0.003	
MW-2	4/26/2011	<0.001	<0.002	<0.002	<0.002	
MW-2	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-2	3/6/2012	<0.005	<0.005	<0.005	<0.015	
MW-2	9/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-2	2/21/2013	<0.001	<0.001	<0.001	<0.003	
MW-3	4/26/2011	<0.001	<0.002	<0.002	<0.002	
MW-3	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-3	3/6/2012	<0.005	<0.005	<0.005	<0.015	
MW-3	9/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-3	2/21/2013	<0.001	<0.001	<0.001	<0.003	
MW-4	4/26/2011	<0.001	<0.002	<0.002	<0.002	
MW-4	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-4	3/6/2012	<0.005	<0.005	<0.005	<0.015	
MW-4	9/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-4	2/21/2013	<0.001	<0.001	<0.001	<0.003	
MW-5	9/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	3/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	9/5/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	2/21/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-6	4/26/2011	<0.001	<0.002	<0.002	<0.002	
MW-6	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-6	3/6/2012	<0.005	<0.005	<0.005	<0.015	
MW-6	9/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-6	2/21/2013	<0.001	<0.001	<0.001	<0.003	
MW-7	4/26/2011	0.0091/**0.0104**	<0.01/<0.01	0.0042/0.0041	<0.01/<0.01	
MW-7	9/15/2011	**0.394**	<0.01	0.149	0.0442	Duplicate sample collected
MW-7	3/6/2012	0.0098	<0.005	0.0088	<0.015	
MW-7	9/5/2012	**0.014**	<0.005	0.01	<0.015	Duplicate sample collected
MW-7	2/21/2013	0.0059	<0.001	0.0049	<0.003	Duplicate sample collected

Notes:

1.) The environmental cleanup standards for water that are applicable to the Monument Booster Station are the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards.

2.) Monitoring well locations MW-1 and MW-5 have historically exhibited measurable LNAPL during groundwater monitoirng events. Therefore, those wells have not been sampled.

3.) Data presented for well locations include previous four sampling events, when available. Historic groundwater analytical results for these locations may be found in Appendix B.

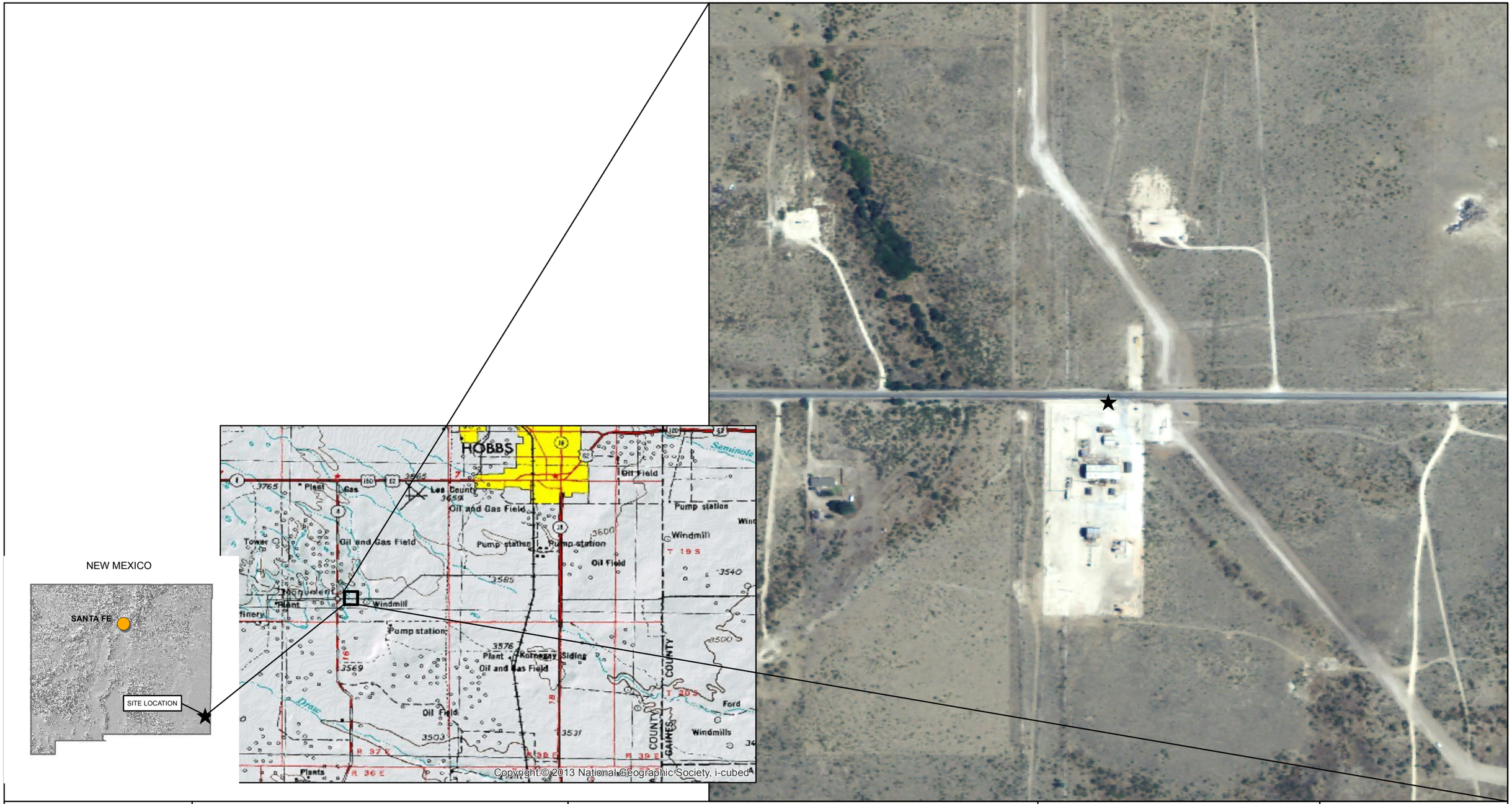
Bold red values indicate an exceedance of the NMWQCC groundwater standards for the Site.

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

LNAPL = Light Non-Aqueous Phase Liquid

mg/L = milligrams per liter.

Figures



DESIGNED BY: C. Wasko

DRAWN BY: J. Clonts

SHEET CHK'D BY: _____

CROSS CHK'D BY: _____

APPROVED BY: _____

APPROVED BY: _____

TASMAN GEOSCIENCES

Tasman Geosciences, LLC
6899 Pecos Street - Unit C
Denver, CO 80221
303 487 1228

MONUMENT BOOSTER STATION

Groundwater Monitoring Summary Report

SITE LOCATION

FIGURE 1

DESIGNED BY: C. Wasko
DRAWN BY: J. Clonts
SHEET CHK'D BY:
CROSS CHK'D BY:
APPROVED BY:
APPROVED BY:

TASMAN GEOSCIENCES
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303 487 1228

MONUMENT BOOSTER STATION

Groundwater Monitoring Summary Report

SITE MAP

FIGURE 2

DESIGNED BY: C. Wasko
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SHEET CHK'D BY:
CROSS CHK'D BY:
APPROVED BY:
APPROVED BY:

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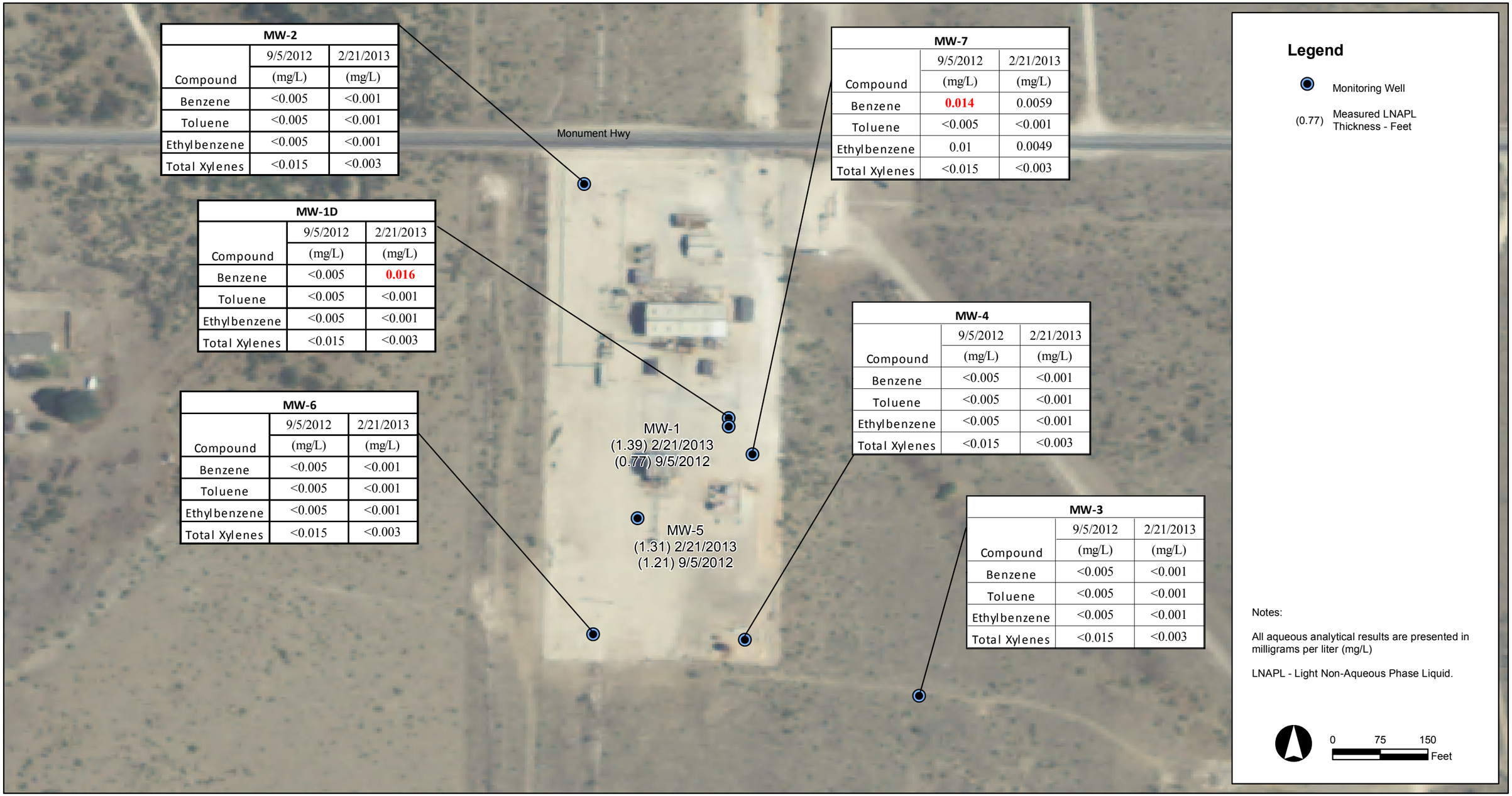
MONUMENT BOOSTER STATION

First Half 2013 Groundwater Monitoring Summary Report

GROUNDWATER ELEVATION CONTOUR MAP (FEBRUARY 21, 2013)

FIGURE 3



MW-2		
Compound	9/5/2012 (mg/L)	2/21/2013 (mg/L)
Benzene	<0.005	<0.001
Toluene	<0.005	<0.001
Ethylbenzene	<0.005	<0.001
Total Xylenes	<0.015	<0.003

MW-1D		
Compound	9/5/2012 (mg/L)	2/21/2013 (mg/L)
Benzene	<0.005	**0.016**
Toluene	<0.005	<0.001
Ethylbenzene	<0.005	<0.001
Total Xylenes	<0.015	<0.003

MW-6		
Compound	9/5/2012 (mg/L)	2/21/2013 (mg/L)
Benzene	<0.005	<0.001
Toluene	<0.005	<0.001
Ethylbenzene	<0.005	<0.001
Total Xylenes	<0.015	<0.003

MW-7		
Compound	9/5/2012 (mg/L)	2/21/2013 (mg/L)
Benzene	**0.014**	0.0059
Toluene	<0.005	<0.001
Ethylbenzene	0.01	0.0049
Total Xylenes	<0.015	<0.003

MW-4		
Compound	9/5/2012 (mg/L)	2/21/2013 (mg/L)
Benzene	<0.005	<0.001
Toluene	<0.005	<0.001
Ethylbenzene	<0.005	<0.001
Total Xylenes	<0.015	<0.003

MW-3		
Compound	9/5/2012 (mg/L)	2/21/2013 (mg/L)
Benzene	<0.005	<0.001
Toluene	<0.005	<0.001
Ethylbenzene	<0.005	<0.001
Total Xylenes	<0.015	<0.003

Legend

Monitoring Well

(0.77) Measured LNAPL Thickness - Feet

Notes:

All aqueous analytical results are presented in milligrams per liter (mg/L)

LNAPL - Light Non-Aqueous Phase Liquid.

0 75 150 Feet

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CROSS CHK'D BY:
APPROVED BY:
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Denver, CO 80221
303 487 1228

MONUMENT BOOSTER STATION

First Half 2013 Groundwater Monitoring Summary Report

ANALYTICAL RESULTS MAP

FIGURE 4

Appendix A

Laboratory Analytical Report

26-Feb-2013

Christine Wasko
Tasman Geosciences
5690 Webster Street
Arvada, CO 80002

Tel: (720) 988-2024
Fax:

Re: Monument Booster Station

Work Order: **1302791**

Dear Christine,

ALS Environmental received 8 samples on 23-Feb-2013 09:20 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 17.

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

Sincerely,

Electronically approved by: Luke F. Hernandez

Sonia West
Project Manager

NELAP ACCREDITED TNI LABORATORY

Certificate No: T104704231-12-10

ALS Environmental

Date: 26-Feb-13

Client: Tasman Geosciences
Project: Monument Booster Station
Work Order: **1302791**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1302791-01	MW-1D	Water		2/21/2013 11:35	2/23/2013 09:20	☐
1302791-02	MW-2	Water		2/21/2013 09:30	2/23/2013 09:20	☐
1302791-03	MW-3	Water		2/21/2013 08:20	2/23/2013 09:20	☐
1302791-04	MW-4	Water		2/21/2013 10:15	2/23/2013 09:20	☐
1302791-05	MW-6	Water		2/21/2013 09:40	2/23/2013 09:20	☐
1302791-06	MW-7	Water		2/21/2013 11:20	2/23/2013 09:20	☐
1302791-07	DUPLICATE	Water		2/21/2013	2/23/2013 09:20	☐
1302791-08	Trip Blank	Water		2/21/2013	2/23/2013 09:20	☐

Client:	Tasman Geosciences
Project:	Monument Booster Station
Work Order:	1302791

Case Narrative

No exceptions.

ALS Environmental

Date: *26-Feb-13*

Client: Tasman Geosciences
Project: Monument Booster Station
Work Order: 1302791
Sample ID: MW-1D
Lab ID: 1302791-01
Collection Date: 2/21/2013 11:35 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	**0.016**		**0.0010**	**mg/L**	1	2/26/2013 03:33 AM
Ethylbenzene	ND		0.0010	mg/L	1	2/26/2013 03:33 AM
Toluene	ND		0.0010	mg/L	1	2/26/2013 03:33 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/26/2013 03:33 AM
Surr: 1,2-Dichloroethane-d4	*111*		*71-125*	*%REC*	1	2/26/2013 03:33 AM
Surr: 4-Bromofluorobenzene	*101*		*70-125*	*%REC*	1	2/26/2013 03:33 AM
Surr: Dibromofluoromethane	*102*		*74-125*	*%REC*	1	2/26/2013 03:33 AM
Surr: Toluene-d8	*103*		*78-123*	*%REC*	1	2/26/2013 03:33 AM

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

ALS Environmental

Date: *26-Feb-13*

Client: Tasman Geosciences
Project: Monument Booster Station
Work Order: 1302791
Sample ID: MW-2
Lab ID: 1302791-02
Collection Date: 2/21/2013 09:30 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	ND		0.0010	mg/L	1	2/25/2013 11:07 PM
Ethylbenzene	ND		0.0010	mg/L	1	2/25/2013 11:07 PM
Toluene	ND		0.0010	mg/L	1	2/25/2013 11:07 PM
Xylenes, Total	ND		0.0030	mg/L	1	2/25/2013 11:07 PM
Surr: 1,2-Dichloroethane-d4	*112*		*71-125*	*%REC*	1	2/25/2013 11:07 PM
Surr: 4-Bromofluorobenzene	*101*		*70-125*	*%REC*	1	2/25/2013 11:07 PM
Surr: Dibromofluoromethane	*104*		*74-125*	*%REC*	1	2/25/2013 11:07 PM
Surr: Toluene-d8	*103*		*78-123*	*%REC*	1	2/25/2013 11:07 PM

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

ALS Environmental

Date: *26-Feb-13*

Client: Tasman Geosciences
Project: Monument Booster Station
Work Order: 1302791
Sample ID: MW-3
Lab ID: 1302791-03
Collection Date: 2/21/2013 08:20 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	ND		0.0010	mg/L	1	2/26/2013 03:58 AM
Ethylbenzene	ND		0.0010	mg/L	1	2/26/2013 03:58 AM
Toluene	ND		0.0010	mg/L	1	2/26/2013 03:58 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/26/2013 03:58 AM
Surr: 1,2-Dichloroethane-d4	*108*		*71-125*	*%REC*	1	2/26/2013 03:58 AM
Surr: 4-Bromofluorobenzene	*102*		*70-125*	*%REC*	1	2/26/2013 03:58 AM
Surr: Dibromofluoromethane	*101*		*74-125*	*%REC*	1	2/26/2013 03:58 AM
Surr: Toluene-d8	*103*		*78-123*	*%REC*	1	2/26/2013 03:58 AM

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

ALS Environmental

Date: *26-Feb-13*

Client: Tasman Geosciences
Project: Monument Booster Station
Work Order: 1302791
Sample ID: MW-4
Lab ID: 1302791-04
Collection Date: 2/21/2013 10:15 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	ND		0.0010	mg/L	1	2/26/2013 04:22 AM
Ethylbenzene	ND		0.0010	mg/L	1	2/26/2013 04:22 AM
Toluene	ND		0.0010	mg/L	1	2/26/2013 04:22 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/26/2013 04:22 AM
Surr: 1,2-Dichloroethane-d4	*109*		*71-125*	*%REC*	1	2/26/2013 04:22 AM
Surr: 4-Bromofluorobenzene	*103*		*70-125*	*%REC*	1	2/26/2013 04:22 AM
Surr: Dibromofluoromethane	*103*		*74-125*	*%REC*	1	2/26/2013 04:22 AM
Surr: Toluene-d8	*102*		*78-123*	*%REC*	1	2/26/2013 04:22 AM

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

ALS Environmental

Date: *26-Feb-13*

Client: Tasman Geosciences
Project: Monument Booster Station
Work Order: 1302791
Sample ID: MW-6
Lab ID: 1302791-05
Collection Date: 2/21/2013 09:40 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	ND		0.0010	mg/L	1	2/26/2013 04:46 AM
Ethylbenzene	ND		0.0010	mg/L	1	2/26/2013 04:46 AM
Toluene	ND		0.0010	mg/L	1	2/26/2013 04:46 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/26/2013 04:46 AM
Surr: 1,2-Dichloroethane-d4	*110*		*71-125*	*%REC*	1	2/26/2013 04:46 AM
Surr: 4-Bromofluorobenzene	*106*		*70-125*	*%REC*	1	2/26/2013 04:46 AM
Surr: Dibromofluoromethane	*102*		*74-125*	*%REC*	1	2/26/2013 04:46 AM
Surr: Toluene-d8	*102*		*78-123*	*%REC*	1	2/26/2013 04:46 AM

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

ALS Environmental

Date: *26-Feb-13*

Client: Tasman Geosciences
Project: Monument Booster Station
Work Order: 1302791
Sample ID: MW-7
Lab ID: 1302791-06
Collection Date: 2/21/2013 11:20 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	**0.0057**		**0.0010**	**mg/L**	1	2/26/2013 05:10 AM
Ethylbenzene	**0.0049**		**0.0010**	**mg/L**	1	2/26/2013 05:10 AM
Toluene	ND		0.0010	mg/L	1	2/26/2013 05:10 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/26/2013 05:10 AM
Surr: 1,2-Dichloroethane-d4	*108*		*71-125*	*%REC*	1	2/26/2013 05:10 AM
Surr: 4-Bromofluorobenzene	*105*		*70-125*	*%REC*	1	2/26/2013 05:10 AM
Surr: Dibromofluoromethane	*100*		*74-125*	*%REC*	1	2/26/2013 05:10 AM
Surr: Toluene-d8	*103*		*78-123*	*%REC*	1	2/26/2013 05:10 AM

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

ALS Environmental

Date: *26-Feb-13*

Client: Tasman Geosciences
Project: Monument Booster Station
Work Order: 1302791
Sample ID: DUPLICATE
Lab ID: 1302791-07
Collection Date: 2/21/2013
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	**0.0059**		**0.0010**	**mg/L**	1	2/26/2013 05:34 AM
Ethylbenzene	**0.0049**		**0.0010**	**mg/L**	1	2/26/2013 05:34 AM
Toluene	ND		0.0010	mg/L	1	2/26/2013 05:34 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/26/2013 05:34 AM
Surr: 1,2-Dichloroethane-d4	*109*		*71-125*	*%REC*	1	2/26/2013 05:34 AM
Surr: 4-Bromofluorobenzene	*105*		*70-125*	*%REC*	1	2/26/2013 05:34 AM
Surr: Dibromofluoromethane	*102*		*74-125*	*%REC*	1	2/26/2013 05:34 AM
Surr: Toluene-d8	*103*		*78-123*	*%REC*	1	2/26/2013 05:34 AM

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

ALS Environmental

Date: *26-Feb-13*

Client: Tasman Geosciences
Project: Monument Booster Station
Work Order: 1302791
Sample ID: Trip Blank
Lab ID: 1302791-08
Collection Date: 2/21/2013
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	ND		0.0010	mg/L	1	2/25/2013 10:42 PM
Ethylbenzene	ND		0.0010	mg/L	1	2/25/2013 10:42 PM
Toluene	ND		0.0010	mg/L	1	2/25/2013 10:42 PM
Xylenes, Total	ND		0.0030	mg/L	1	2/25/2013 10:42 PM
Surr: 1,2-Dichloroethane-d4	*109*		*71-125*	*%REC*	1	2/25/2013 10:42 PM
Surr: 4-Bromofluorobenzene	*102*		*70-125*	*%REC*	1	2/25/2013 10:42 PM
Surr: Dibromofluoromethane	*103*		*74-125*	*%REC*	1	2/25/2013 10:42 PM
Surr: Toluene-d8	*102*		*78-123*	*%REC*	1	2/25/2013 10:42 PM

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

Batch ID: **R143252** Instrument ID **VOA4** Method: **SW8260**

MBLK Sample ID: **VBLKW2-130225-R143252** Units: **µg/L** Analysis Date: **2/25/2013 10:18 PM**

Client ID: Run ID: **VOA4_130225C** SeqNo: **3123594** 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	1.0								
Surr: 1,2-Dichloroethane-d4	53.1	1.0	*50*	0	*106*	*71-125*	0			
Surr: 4-Bromofluorobenzene	51.42	1.0	*50*	0	*103*	*70-125*	0			
Surr: Dibromofluoromethane	50.53	1.0	*50*	0	*101*	*74-125*	0			
Surr: Toluene-d8	51.7	1.0	*50*	0	*103*	*78-123*	0			

LCS Sample ID: **VLCSW2-130225-R143252** Units: **µg/L** Analysis Date: **2/25/2013 09:06 PM**

Client ID: Run ID: **VOA4_130225C** SeqNo: **3123592** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	49.77	1.0	50	0	99.5	80-120	0			
Ethylbenzene	52.76	1.0	50	0	106	80-120	0			
Toluene	52.07	1.0	50	0	104	80-121	0			
Xylenes, Total	157.5	1.0	150	0	105	80-124	0			
Surr: 1,2-Dichloroethane-d4	51.92	1.0	*50*	0	*104*	*71-125*	0			
Surr: 4-Bromofluorobenzene	56.01	1.0	*50*	0	*112*	*70-125*	0			
Surr: Dibromofluoromethane	49.84	1.0	*50*	0	*99.7*	*74-125*	0			
Surr: Toluene-d8	51.2	1.0	*50*	0	*102*	*78-123*	0			

LCSD Sample ID: **VLCSDW2-130225-R143252** Units: **µg/L** Analysis Date: **2/25/2013 09:30 PM**

Client ID: Run ID: **VOA4_130225C** SeqNo: **3123593** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.21	1.0	50	0	96.4	80-120	49.77	3.18	20	
Ethylbenzene	51.1	1.0	50	0	102	80-120	52.76	3.18	20	
Toluene	51.03	1.0	50	0	102	80-121	52.07	2.03	20	
Xylenes, Total	152.7	1.0	150	0	102	80-124	157.5	3.13	20	
Surr: 1,2-Dichloroethane-d4	53.04	1.0	*50*	0	*106*	*71-125*	51.92	*2.14*	*20*	
Surr: 4-Bromofluorobenzene	55.37	1.0	*50*	0	*111*	*70-125*	56.01	*1.15*	*20*	
Surr: Dibromofluoromethane	50.54	1.0	*50*	0	*101*	*74-125*	49.84	*1.4*	*20*	
Surr: Toluene-d8	51.77	1.0	*50*	0	*104*	*78-123*	51.2	*1.11*	*20*	

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

Client: Tasman Geosciences
Work Order: 1302791
Project: Monument Booster Station

QC BATCH REPORT

Batch ID: **R143252** Instrument ID **VOA4** Method: **SW8260**

MS Sample ID: **1302791-02AMS** Units: **µg/L** Analysis Date: **2/25/2013 11:31 PM**

Client ID: **MW-2** Run ID: **VOA4_130225C** SeqNo: **3123597** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	52.9	1.0	50	0	106	80-120	0			
Ethylbenzene	55.6	1.0	50	0	111	80-120	0			
Toluene	55.86	1.0	50	0	112	80-121	0			
Xylenes, Total	167	1.0	150	0	111	80-124	0			
Surr: 1,2-Dichloroethane-d4	52.43	1.0	*50*	0	*105*	*71-125*	0			
Surr: 4-Bromofluorobenzene	55.78	1.0	*50*	0	*112*	*70-125*	0			
Surr: Dibromofluoromethane	50.19	1.0	*50*	0	*100*	*74-125*	0			
Surr: Toluene-d8	51.72	1.0	*50*	0	*103*	*78-123*	0			

MSD Sample ID: **1302791-02AMSD** Units: **µg/L** Analysis Date: **2/25/2013 11:55 PM**

Client ID: **MW-2** Run ID: **VOA4_130225C** SeqNo: **3123598** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	53.88	1.0	50	0	108	80-120	52.9	1.85	20	
Ethylbenzene	56.69	1.0	50	0	113	80-120	55.6	1.94	20	
Toluene	55.98	1.0	50	0	112	80-121	55.86	0.204	20	
Xylenes, Total	169.7	1.0	150	0	113	80-124	167	1.59	20	
Surr: 1,2-Dichloroethane-d4	52.6	1.0	*50*	0	*105*	*71-125*	52.43	*0.322*	*20*	
Surr: 4-Bromofluorobenzene	55.38	1.0	*50*	0	*111*	*70-125*	55.78	*0.727*	*20*	
Surr: Dibromofluoromethane	50.25	1.0	*50*	0	*100*	*74-125*	50.19	*0.109*	*20*	
Surr: Toluene-d8	51.41	1.0	*50*	0	*103*	*78-123*	51.72	*0.605*	*20*	

The following samples were analyzed in this batch:

1302791-01A	1302791-02A	1302791-03A
1302791-04A	1302791-05A	1302791-06A
1302791-07A	1302791-08A	

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

ALS Environmental

Date: 26-Feb-13

Client: Tasman Geosciences
Project: Monument Booster Station
WorkOrder: **1302791**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	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

Acronym	Description
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

Units Reported	Description
mg/L	Milligrams per Liter

ALS Environmental

Sample Receipt Checklist

Client Name: **TASMAN GEOSCIENCES** Date/Time Received: **23-Feb-13 09:20**

Work Order: **1302791** Received by: **RDN**

Checklist completed by Rachel D. Naran (eSignature) 23-Feb-13 (Date) Reviewed by: Sonia West (eSignature) 25-Feb-13 (Date)

Matrices: water
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):	2.1c u/c	005	
Cooler(s)/Kit(s):	4889		
Date/Time sample(s) sent to storage:	2/23/13 11:08		
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:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

Cincinnati, OH +1 513 733 5336 | Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600 | Holland, MI +1 616 399 6070

Chain of Custody Fo

Page ___ of ___

COC ID: 75667

1302791

TASMAN GEOSCIENCES: Tasman Geosciences

Project: Monument Booster Station 400128008 GN00

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Monument Booster Station	A	BTEX (8260)
Work Order		Project Number	400128008 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	
				F	
City/State/Zip	Arvada, CO 80002	City/State/Zip	Denver, Colorado 80102	G	
Phone	(720) 988-2024	Phone		H	
Fax		Fax		I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-1D	2/21/13	1135	Water	HCl	3	X										☐
2	MW-2		930	Water													☐
3	MW-2 MS		930	Water													☐
4	MW-2 MSD		930	Water													☐
5	MW-3		820	Water													☐
6	MW-4		1015	Water													☐
7	MW-6		940	Water													☐
8	~~MW-5~~ MW-7		1120	Water													☐
9	Duplicate	—	—	Water													☐
10																	

Sampler(s) Please Print & Sign: Christine Wasko CW

Shipment Method: FedEx

Required Turnaround Time: (Check Box) ☑ Std 10 WK Days ☐ 5 WK Days ☐ Other ☐ 2 WK Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date: 2/22/13	Time: 1530	Received by: FedEx	Notes: 10 Day TAT
Relinquished by:	Date: 2/23/13	Time: 09:20	Received by (Laboratory): CW AS	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
☑ Level II Std QC ☐ TRRP CheckList
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other / EDD ___

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 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.
Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
All information must be completed accurately.

ALS Environmental 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887 BURTON	CUSTODY SEAL Date: 2/22/13 Time: 1545 Name: Christopher Kietzka Company: Parmer	Seal Broken By: RW Date: 2/23/13

1 of 2
TRK# 0215 8013 7024 9422
MASTER
X0 SGRA

SATURDAY ### A1
PRIORITY OVERNIGHT

77099
TX-US IAH

1302791

Appendix B

Historical Analytical Results

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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	9/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	3/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	9/5/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	2/21/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1D	5/16/1995	**0.018**	0.015	0.006	0.016	
MW-1D	11/15/1995	0.003	0.002	<0.001	0.001	
MW-1D	1/18/1996	0.004	0.003	<0.001	0.009	
MW-1D	4/24/1996	<0.001	<0.001	<0.001	<0.001	
MW-1D	1/22/1997	0.001	0.001	<0.001	<0.001	
MW-1D	8/11/1997	<0.001	<0.001	<0.001	<0.001	
MW-1D	1/23/1998	<0.001	<0.001	<0.001	<0.001	
MW-1D	8/3/1998	<0.001	<0.001	<0.001	<0.001	
MW-1D	2/10/1999	<0.001	<0.001	<0.001	<0.001	
MW-1D	8/17/1999	<0.001	<0.001	<0.001	<0.001	
MW-1D	2/17/2000	0.002	0.003	<0.001	0.001	
MW-1D	8/23/2000	<0.005	<0.005	<0.005	<0.005	
MW-1D	2/8/2001	<0.001	<0.001	<0.001	0.001	
MW-1D	7/30/2001	<0.001	<0.001	<0.001	<0.001	
MW-1D	2/13/2002	<0.001	<0.001	<0.001	<0.001	
MW-1D	9/27/2002	<0.001	<0.001	<0.001	<0.001	
MW-1D	4/25/2003	<0.005	<0.005	<0.005	<0.005	
MW-1D	9/18/2003	0.002	<0.001	<0.001	<0.001	
MW-1D	3/17/2004	<0.001	<0.001	<0.001	<0.001	
MW-1D	8/17/2004	<0.001	<0.001	<0.001	<0.001	
MW-1D	3/4/2005	<0.001	<0.001	<0.001	<0.001	
MW-1D	9/21/2005	<0.001	<0.001	<0.001	<0.001	
MW-1D	3/16/2006	<0.001	<0.001	<0.001	<0.001	
MW-1D	9/20/2006	<0.001	<0.001	<0.001	<0.001	
MW-1D	3/22/2007	<0.001	<0.001	<0.001	<0.001	
MW-1D	9/25/2007	<0.001	<0.001	<0.001	<0.001	
MW-1D	3/19/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-1D	3/20/2008	<0.002	<0.002	<0.002	<0.006	
MW-1D	9/17/2008	<0.002	<0.002	<0.002	<0.002	
MW-1D	3/10/2009	<0.002/<0.002	<0.002/<0.002	<0.002/<0.002	<0.006/<0.006	
MW-1D	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-1D	9/23/2009	<0.002	<0.002	<0.002	<0.006	
MW-1D	9/23/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-1D	5/17/2010	<0.002	<0.002	<0.002	<0.006	
MW-1D	5/17/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-1D	9/16/2010	<0.002	<0.002	<0.002	<0.004	
MW-1D	9/16/2010	<0.00030	<0.0010	<0.00030	-	
MW-1D	4/26/2011	<0.001	<0.002	<0.002	<0.002	
MW-1D	4/26/2011	<0.00030	<0.0010	<0.00030	<0.00060	
MW-1D	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-1D	3/6/2012	<0.005	<0.005	<0.005	<0.015	
MW-1D	9/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-1D	2/21/2013	**0.016**	<0.001	<0.001	<0.003	

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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-2	5/16/1995	<0.001	<0.001	<0.001	<0.001	
MW-2	11/15/1995	NS	0.006	0.002		
MW-2	1/18/1996	<0.001	<0.001	<0.001	<0.001	
MW-2	4/24/1996	<0.001	<0.001	<0.001	<0.001	
MW-2	1/22/1997	<0.001	<0.001	<0.001	<0.001	
MW-2	8/11/1997	<0.001	<0.001	<0.001	<0.001	
MW-2	1/23/1998	<0.001	<0.001	<0.001	<0.001	
MW-2	8/3/1998	<0.001	<0.001	<0.001	<0.001	
MW-2	2/10/1999	<0.001	<0.001	<0.001	<0.001	
MW-2	8/17/1999	0.017	0.002	0.013	0.003	
MW-2	2/17/2000	<0.001	<0.001	<0.001	<0.001	
MW-2	8/23/2000	<0.001	<0.001	<0.001	<0.001	
MW-2	2/8/2001	<0.001	<0.001	<0.001	<0.001	
MW-2	7/30/2001	<0.001	<0.001	<0.001	<0.001	
MW-2	2/13/2002	<0.001	<0.001	<0.001	<0.001	
MW-2	9/27/2002	<0.001	<0.001	<0.001	<0.001	
MW-2	4/25/2003	<0.001	<0.001	<0.001	<0.001	
MW-2	9/18/2003	0.002	<0.001	<0.001	<0.001	
MW-2	3/17/2004	<0.001	<0.001	<0.001	<0.001	
MW-2	8/17/2004	<0.001	<0.001	<0.001	<0.001	
MW-2	3/4/2005	<0.001	<0.001	<0.001	<0.001	
MW-2	9/21/2005	<0.001	<0.001	<0.001	<0.001	
MW-2	3/16/2006	<0.001	<0.001	<0.001	<0.001	
MW-2	9/20/2006	<0.001	<0.001	<0.001	<0.001	
MW-2	3/22/2007	<0.001	<0.001	<0.001	<0.001	
MW-2	9/25/2007	<0.001	<0.001	<0.001	<0.001	
MW-2	3/19/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-2	3/20/2008	<0.002	<0.002	<0.002	<0.006	
MW-2	9/17/2008	<0.002	<0.002	<0.002	<0.006	
MW-2	3/10/2009	<0.002	<0.002	<0.002	<0.006	
MW-2	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-2	9/23/2009	<0.002	<0.002	<0.002	<0.006	
MW-2	9/23/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-2	5/17/2010	<0.002	<0.002	<0.002	<0.006	
MW-2	5/17/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-2	9/16/2010	<0.001	<0.002	<0.002	<0.004	
MW-2	9/16/2010	<0.00030	<0.0010	<0.00030	-	
MW-2	4/26/2011	<0.001	<0.002	<0.002	<0.002	
MW-2	4/26/2011	<0.00030	<0.0010	<0.00030	<0.00060	
MW-2	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-2	3/6/2012	<0.005	<0.005	<0.005	<0.015	
MW-2	9/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-2	2/21/2013	<0.001	<0.001	<0.001	<0.003	

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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-3	5/16/1995	<0.001	<0.001	<0.001	<0.001	
MW-3	11/15/1995	<0.001	<0.001	<0.001	<0.001	
MW-3	1/18/1996	<0.001	<0.001	<0.001	<0.001	
MW-3	4/24/1996	<0.001	<0.001	<0.001	<0.001	
MW-3	1/22/1997	<0.001	<0.001	<0.001	<0.001	
MW-3	8/11/1997	<0.001	<0.001	<0.001	<0.001	
MW-3	1/23/1998	<0.001	<0.001	<0.001	<0.001	
MW-3	8/3/1998	0.007	<0.001	<0.001	<0.001	
MW-3	2/10/1999	<0.005	<0.005	<0.005	<0.005	
MW-3	8/17/1999	0.043	<0.005	<0.005	<0.005	
MW-3	2/17/2000	0.021	<0.005	<0.005	<0.005	
MW-3	8/23/2000	0.006	<0.005	<0.005	<0.005	
MW-3	2/8/2001	0.004	0.001	0.002	0.005	
MW-3	7/30/2001	0.002	<0.001	<0.001	<0.001	
MW-3	2/13/2002	0.002	<0.001	<0.001	<0.001	
MW-3	9/27/2002	<0.005	<0.005	<0.005	<0.005	
MW-3	4/25/2003	<0.005	<0.005	<0.005	<0.005	
MW-3	9/18/2003	0.002	<0.001	<0.001	<0.001	
MW-3	3/17/2004	<0.001	<0.001	<0.001	<0.001	
MW-3	8/17/2004	<0.001	<0.001	<0.001	<0.001	
MW-3	3/4/2005	<0.001	<0.001	<0.001	<0.001	
MW-3	9/21/2005	<0.001	<0.001	<0.001	<0.001	
MW-3	3/16/2006	<0.001	<0.001	<0.001	<0.001	
MW-3	9/20/2006	<0.001	<0.001	<0.001	<0.001	
MW-3	3/22/2007	<0.001	<0.001	<0.001	<0.001	
MW-3	9/25/2007	<0.001	<0.001	<0.001	<0.001	
MW-3	3/19/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-3	3/20/2008	<0.002	<0.002	<0.002	<0.006	
MW-3	9/17/2008	<0.002	<0.002	<0.002	<0.006	
MW-3	3/10/2009	<0.002	<0.002	<0.002	<0.006	
MW-3	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-3	9/23/2009	<0.002	<0.002	<0.002	<0.006	
MW-3	9/23/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-3	5/17/2010	<0.002	<0.002	<0.002	<0.006	
MW-3	5/17/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-3	9/16/2010	<0.001	<0.002	<0.002	<0.004	
MW-3	9/16/2010	<0.00030	<0.0010	<0.00030	-	
MW-3	4/26/2011	<0.001	<0.002	<0.002	<0.002	
MW-3	4/26/2011	<0.00030	<0.0010	<0.00030	<0.00060	
MW-3	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-3	3/6/2012	<0.005	<0.005	<0.005	<0.015	
MW-3	9/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-3	2/21/2013	<0.001	<0.001	<0.001	<0.003	

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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-4	5/16/1995	<0.001	<0.001	<0.001	<0.001	
MW-4	11/15/1995	NS	0.006	0.002	0.1	
MW-4	1/18/1996	0.003	<0.001	<0.001	<0.001	
MW-4	4/24/1996	<0.002	<0.002	<0.002	<0.002	
MW-4	1/22/1997	0.002	<0.001	<0.001	<0.001	
MW-4	8/11/1997	0.001	<0.001	<0.001	<0.001	
MW-4	1/23/1998	<0.001	<0.001	<0.001	<0.001	
MW-4	8/3/1998	<0.001	<0.001	<0.001	<0.001	
MW-4	2/10/1999	<0.001	<0.001	<0.001	<0.001	
MW-4	8/17/1999	<0.001	<0.001	<0.001	0.001	
MW-4	2/17/2000	<0.005	<0.005	<0.005	<0.005	
MW-4	8/23/2000	<0.005	<0.005	<0.005	<0.005	
MW-4	2/8/2001	0.002	<0.001	<0.001	0.002	
MW-4	7/30/2001	<0.001	<0.001	<0.001	<0.001	
MW-4	2/13/2002	NS	NS	NS	NS	
MW-4	9/27/2002	NS	NS	NS	NS	
MW-4	4/25/2003	<0.001	<0.001	<0.001	<0.001	
MW-4	9/18/2003	<0.001	<0.001	<0.001	<0.001	
MW-4	3/17/2004	<0.001	<0.001	<0.001	<0.001	
MW-4	8/17/2004	<0.001	<0.001	<0.001	<0.001	
MW-4	3/4/2005	<0.001	<0.001	<0.001	<0.001	
MW-4	9/21/2005	<0.001	<0.001	<0.001	<0.001	
MW-4	3/16/2006	<0.001	<0.001	<0.001	<0.001	
MW-4	9/20/2006	<0.002	<0.001	<0.001	0.0043	
MW-4	3/22/2007	<0.002	<0.001	<0.001	0.0036	
MW-4	9/25/2007	<0.002	<0.001	<0.001	<0.001	
MW-4	3/19/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-4	3/20/2008	<0.002	<0.002	<0.002	<0.006	
MW-4	9/17/2008	<0.002	<0.002	<0.002	<0.006	
MW-4	3/10/2009	<0.002	<0.002	<0.002	<0.006	
MW-4	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-4	9/23/2009	<0.002	<0.002	<0.002	<0.006	
MW-4	9/23/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-4	5/17/2010	<0.002	<0.002	<0.002	<0.006	
MW-4	5/17/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-4	9/16/2010	<0.001	<0.002	<0.002	<0.004	
MW-4	9/16/2010	<0.00030	<0.0010	<0.00030	-	
MW-4	4/26/2011	<0.001	<0.002	<0.002	<0.002	
MW-4	6/2/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-4	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-4	3/6/2012	<0.005	<0.005	<0.005	<0.015	
MW-4	9/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-4	2/21/2013	<0.001	<0.001	<0.001	<0.003	
MW-5	9/15/2011	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	3/6/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	9/5/2012	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	2/21/2013	LNAPL	LNAPL	LNAPL	LNAPL	

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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-6	11/15/1995	0.003	0.001	<0.001	0.003	
MW-6	1/18/1996	0.002	<0.001	<0.001	<0.001	
MW-6	4/24/1996	<0.001	<0.001	<0.001	<0.001	
MW-6	1/22/1997	0.001	<0.001	<0.001	<0.001	
MW-6	8/11/1997	<0.001	<0.001	<0.001	0.001	
MW-6	1/23/1998	<0.001	<0.001	<0.001	<0.001	
MW-6	8/3/1998	<0.001	<0.001	<0.001	<0.001	
MW-6	2/10/1999	<0.001	<0.001	<0.001	0.014	
MW-6	8/17/1999	0.002	<0.001	<0.001	0.012	
MW-6	2/17/2000	<0.001	0.004	<0.001	0.006	
MW-6	8/23/2000	<0.001	0.004	<0.001	0.011	
MW-6	2/8/2001	<0.001	<0.001	<0.001	0.011	
MW-6	7/30/2001	<0.001	<0.001	<0.001	<0.001	
MW-6	2/13/2002	<0.001	<0.001	<0.001	<0.001	
MW-6	9/27/2002	<0.005	<0.005	<0.005	<0.005	
MW-6	4/25/2003	<0.001	<0.001	<0.001	<0.001	
MW-6	9/18/2003	0.002	<0.001	0.002	0.001	
MW-6	3/17/2004	<0.001	<0.001	<0.001	<0.001	
MW-6	8/17/2004	<0.001	<0.001	<0.001	<0.001	
MW-6	3/4/2005	0.0061	<0.001	0.0032	<0.001	
MW-6	9/21/2005	<0.001	<0.001	<0.001	<0.001	
MW-6	3/16/2006	<0.001	<0.001	<0.001	<0.001	
MW-6	9/20/2006	0.0391	<0.001	0.0287	0.0194	
MW-6	3/22/2007	<0.001	<0.001	<0.001	0.0013	
MW-6	9/25/2007	<0.001	<0.001	<0.001	<0.001	
MW-6	3/20/2008	NS	NS	NS	NS	
MW-6	9/17/2008	NS	NS	NS	NS	
MW-6	3/10/2009	NS	NS	NS	NS	
MW-6	9/23/2009	0.035	<0.002	0.0215	.0052J	
MW-6	9/23/2009	**0.035**	<0.00043	0.0215	0.0052	
MW-6	5/17/2010	<0.002	<0.002	<0.002	<0.006	
MW-6	5/17/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-6	9/16/2010	<0.001	<0.002	<0.002	<0.004	
MW-6	9/16/2010	<0.00030	<0.0010	<0.00030	-	
MW-6	4/26/2011	<0.001	<0.002	<0.002	<0.002	
MW-6	6/2/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-6	3/6/2012	<0.005	<0.005	<0.005	<0.015	
MW-6	9/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-6	2/21/2013	<0.001	<0.001	<0.001	<0.003	

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SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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-7	11/15/1995	**0.465**	0.205	<0.001	0.163	
MW-7	1/18/1996	**1.13**	0.476	0.003	0.365	
MW-7	4/24/1996	**0.585**	0.251	<0.002	0.013	
MW-7	1/22/1997	**0.896**	0.24	<0.005	0.33	
MW-7	8/11/1997	**0.317**	0.155	0.2	0.049	
MW-7	1/23/1998	**0.876**	0.486	<0.005	0.181	
MW-7	8/3/1998	**0.094**	0.064	<0.005	0.007	
MW-7	2/10/1999	**0.597**	0.44	<0.005	0.12	
MW-7	8/17/1999	**0.705**	0.06	<0.005	0.556	
MW-7	2/17/2000	**0.573**	0.49	<0.005	0.226	
MW-7	8/23/2000	**0.546**	0.484	0.006	0.177	
MW-7	2/8/2001	**0.355**	0.424	<0.005	0.052	
MW-7	7/30/2001	**0.017**	0.058	<0.005	<0.005	
MW-7	2/13/2002	**0.228**	0.094	<0.005	0.5	
MW-7	9/27/2002	**0.015**	0.017	<0.005	<0.005	
MW-7	4/25/2003	**0.157**	0.192	<0.005	0.02	
MW-7	9/18/2003	**0.018**	0.023	<0.001	0.004	
MW-7	3/17/2004	**0.125**	0.108	<0.10	0.033	
MW-7	8/17/2004	**0.237**	0.081	<0.20	<0.020	
MW-7	3/4/2005	**.125/.121**	<0.001	0.0467/0.0453	0.0202	
MW-7	9/21/2005	**.15/0.148**	<0.001	0.079/0.0789	0.0248	
MW-7	3/16/2006	**0.191**	0.0032	0.073	<0.001	
MW-7	9/20/2006	**0.236**	<0.001	0.176	0.187	
MW-7	3/22/2007	**0.209/0.215**	<0.05/<0.01	.149/.121	0.116/0.0532	
MW-7	9/25/2007	**0.465/0.458**	<0.01/<0.01	.318/.314	.0307/0.302	
MW-7	3/19/2008	**0.161**	<0.00048	0.057	0.0295	
MW-7	3/20/2008	**0.161/0.169**	<0.002/<0.002	.057/.0637	0.0295/0.0325	
MW-7	9/17/2008	**0.083**	<0.002	0.0475	0.0204	
MW-7	3/10/2009	**0.039**	<0.002	0.0177	0.0052 J	
MW-7	3/11/2009	**0.0339**	<0.00048	0.0177	0.0052	
MW-7	9/23/2009	**0.0332**	<0.00043	0.0176	0.0033	
MW-7	9/23/2009	**0.0332/<0.002**	<0.002/<0.002	.0176/<0.002	0.0033J/<0.006	
MW-7	5/17/2010	**0.0201/0.0198**	<0.002/<0.002	.0095/.0092	0.0033J/0.0033J	
MW-7	5/17/2010	**0.0201**	<0.00043	0.0095	0.0033	
MW-7	9/16/2010	**0.522/0.512**	<0.01/<0.01	0.294/0.289	0.0383/0.0378	
MW-7	9/16/2010	**0.522**	<0.0050	0.294	-	
MW-7	4/26/2011	0.0091/**0.0104**	<0.01/<0.01	0.0042/0.0041	<0.01/<0.01	
MW-7	4/26/2011	0.0091	<0.0050	0.0042	<0.0030	
MW-7	9/15/2011	**0.394**	<0.01	0.149	0.0442	Duplicate sample collected
MW-7	3/6/2012	0.0098	<0.0050	0.0088	<0.015	
MW-7	9/5/2012	**0.014**	<0.005	0.01	<0.015	Duplicate sample collected
MW-7	2/21/2013	0.0059	<0.001	0.0049	<0.003	Duplicate sample collected

Notes:
The environmental cleanup standards for water that are applicable to the Monument Booster Station are the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards.
Monitoring well locations MW-1 and MW-5 have historically exhibited measurable LNAPL during groundwater monitoirng events. Therefore, those wells have not been sampled.
Data presented for well locations include previous four sampling events, when available. Historic groundwater analytical results for these locations may be found in Appendix B.
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.