DCP Midstream
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March 5, 2013

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

RE: 4th Quarter 2012 Groundwater Monitoring Results
Hobbs Booster Station, Lea County New Mexico (AP-114)
Unit C and D, Section 4, Township 19 South, Range 38 East

Dear Mr. Lowe:

DCP Midstream, LP (DCP), is pleased to submit for your review, a one copy of the 4th Quarter 2012 Groundwater Monitoring Report for the DCP Hobbs Booster Station located in Hobbs, New Mexico (Unit C and D Section 4, T19S, R38E (32.696 degrees North, 103.156 degrees West).

If you have any questions regarding the report, please call me at 303-605-1718 or email me at swweathers@dcpmidstream.com.

Sincerely

DCP Midstream, LP

Stephen Weathers, P.G.
Principal Environmental Specialist

cc: Geoffrey Leking, Hobbs District (Copy on CD)
Environmental Files

Fourth Quarter 2012 Groundwater Monitoring and Activities Summary Report

Hobbs Booster Station
Lea County, New Mexico
AP-114

Prepared for:

DCP Midstream

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

Prepared by:

TASMAN GEOSCIENCES

6899 Pecos Street, Unit C
Denver, Colorado 80221

January 15, 2013

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1. Introduction

This report summarizes the remediation system activities and results of groundwater monitoring activities conducted during the fourth quarter of 2012, at the Hobbs Booster Station (Site) in Lea County, New Mexico (Figure 1). Tasman Geosciences, LLC (Tasman) conducted these activities on behalf of DCP Midstream, LP (DCP). The purpose of the groundwater monitoring activities described herein were to: a) determine the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons; b) measure groundwater levels; c) obtain groundwater samples for chemical analysis; and d) evaluate and present groundwater flow and quality conditions. The field data and laboratory analytical results collected during the reporting period were used to develop a groundwater elevation contour map and an analytical results map to evaluate current conditions at the Site.

2. Site Location and Background

The Site is located in New Mexico Oil Conservation Division (OCD) designated Units C and D, Section 4, Township 19 South, Range 38 East (Figure 1). The facility coordinates are 32.696 degrees north and 103.156 degrees west. This facility is no longer used as an active gas compression facility or product transfer Site; currently the Site is primarily used as a DCP field office and as an overhaul shop. All ancillary equipment and buildings associated with the former Booster Station have been decommissioned and/or demolished.

The Site currently has 30 groundwater monitoring wells, which are illustrated on Figure 2. Twenty-seven of the wells are located on the Site property while the other three wells, MW-23, MW-24, and MW-25, are located to the southeast of the property boundary on land currently owned by Occidental Permian.

An LNAPL recovery and soil vapor extraction (SVE) system utilizing LNAPL recovery pumps and vacuum blower units are present at the Site. There are 28 dual phase extraction wells (Figure 2) located on-Site including MW-4, MW-8, MW-11, and MW-13 which were previously converted from monitoring wells due to the historically high levels of LNAPL observed in those wells. Additionally, the Site operates an air-sparge (AS) cut-off system that was installed along the south-central Site boundary and includes 21 AS injection wells connected in series (Figure 2). LNAPL, AS, and SVE system operation and performance are described in Section 4.

3. Groundwater Monitoring

This section describes the field groundwater monitoring activities as well as laboratory analyses performed during the fourth quarter 2012 monitoring event. 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 and recorded for subsequent use to estimate groundwater purge volumes. During the fourth quarter 2012 monitoring event groundwater and LNAPL levels, if present, were measured at 23 monitoring well locations.

The wells were gauged on the north side of the well casing to the nearest 0.01-foot using an oil-water interface probe (IP). Groundwater levels were subsequently converted to elevations (feet above mean sea level [AMSL]).

Groundwater elevations collected during the fourth quarter 2012 monitoring event are presented in Table 1 and a groundwater elevation contour map is illustrated on Figure 3. Groundwater elevations ranged from 3567.41 feet AMSL in monitoring well MW-19D to 3576.18 feet AMSL at monitoring well MW-6. There was an average decrease in groundwater elevation of 0.14 feet from the previous quarter across the site. As illustrated on Figure 3, groundwater flow at the Site generally trends to the east with a gradient of approximately 0.004 foot per foot between monitoring wells MW-6 and MW-21.

LNAPL was detected in nine of the measured groundwater monitoring wells with thicknesses ranging between 0.03-feet in MW-18 to 7.03-feet in MW-12. Calculated groundwater elevation data in these wells were corrected to account for LNAPL thickness and density.

3.2 Groundwater Quality Monitoring

Prior to collecting groundwater samples, groundwater levels, the presence of LNAPL, and the total depth of the wells (in wells without LNAPL) were measured as previously described. A minimum of three well casing volumes of groundwater (calculated from total depth of the well and groundwater level measurements) was then purged using dedicated polyethylene bailers from the subject well prior to the collection of groundwater samples. Groundwater samples were collected using dedicated polyethylene bailers, placed in clean laboratory supplied containers specific to the selected analytical methods and 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 Accutest Laboratories (Accutest) in Wheat Ridge, Colorado, for analysis.

Water quality samples were collected from 11 monitoring wells during the fourth quarter 2012 monitoring event conducted on December 5, 2012. MW-1, MW-2, MW-9, MW-10, MW-12, MW-17, MW-18, TW-K, and TW-N were not sampled due to the presence of measurable LNAPL detected in these wells. Water quality samples were submitted to Accutest 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 December 5, 2012 event. Analytical results are also summarized on Figure 4. Laboratory analytical reports for the event are included in Appendix A and historical analytical results up to and including the December 2012 event are contained in Appendix B.

Water quality parameters were collected during the fourth quarter 2012 monitoring event and were used to confirm groundwater stabilization prior to sample collection. The Site monitoring wells did not require collection of more than three (3) purge volumes to achieve parameter stabilization. As such, the analytical data are considered to be representative of Site conditions in that a minimum 3 purge volumes were evacuated from all sampled monitoring wells during the fourth quarter 2012 event.

3.3 Data Quality Assurance / Quality Control

A trip blank, matrix spike or matrix spike duplicate (MS/MSD) and one field duplicate sample (MW-15) 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 samples collected at MW-15 were in compliance with QA/QC standards. MW-15 and associated duplicate sample returned results for benzene of 0.0027 mg/l and 0.0025 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 System Performance

Remediation system activities are described in this section. The performance sections for the LNAPL, SVE, and AS systems are based on historic data as well as data collected during the reporting period.

4.1 Remediation System Layout

The remediation system consists of 28- dual phase extraction wells that can be configured to operate in SVE, LNAPL recovery, or combined SVE and LNAPL recovery. The recovery well array spans an area that

is approximately 1,000 feet east to west and 800 feet north to south (estimated 15 acres of surface area). In addition to the extraction well network, there are 22 AS wells aligned west and east to create an 870-foot long dissolved phase hydrocarbon boundary control feature.

4.2 SVE Performance Evaluation

The SVE system was shut down during the second quarter 2012 to allow for equilibration and gauging of LNAPL and groundwater fluid levels at the Site recovery wells. The SVE system will remain off as interim fluid level and LNAPL recovery data are gathered in preparation for modifications to the existing product collection system.

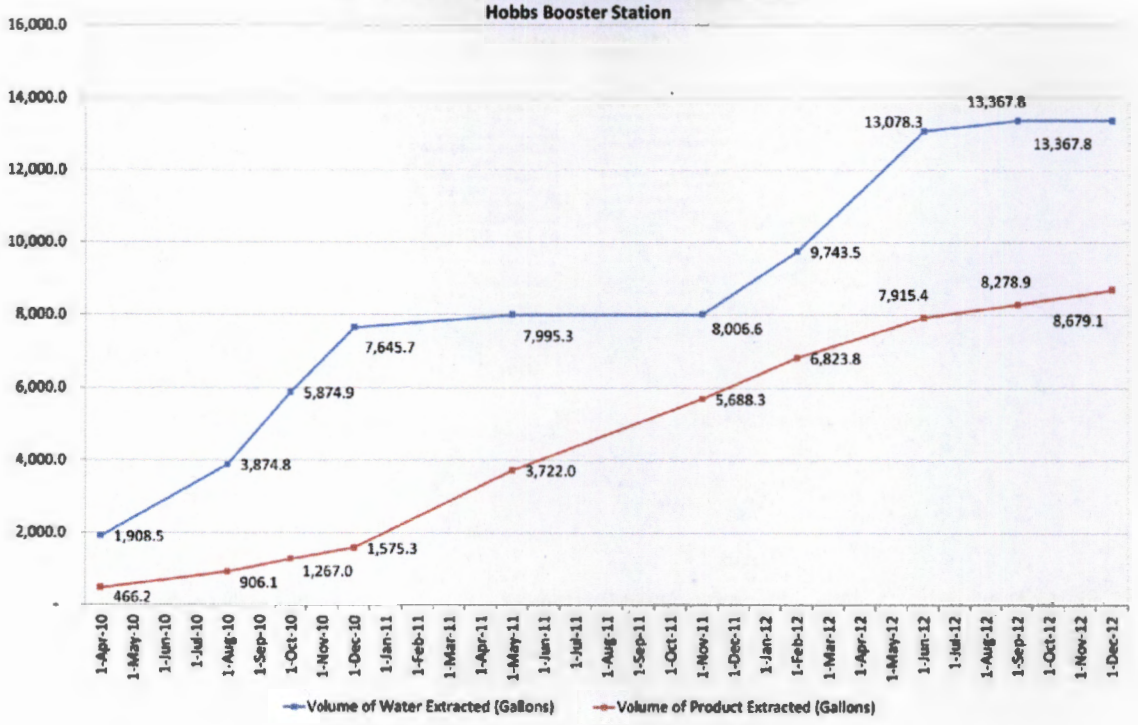
4.3 LNAPL Recovery Performance Evaluation

The LNAPL recovery system has recovered 31,379.1 gallons of LNAPL since it became operational in January 2005. During the reporting period two spill buster units were in operation at monitoring well locations PW-JJ and PW-G. A total of 400.24 gallons of LNAPL was recovered from these well locations at an average extraction rate of 3.84 gallons per day (gpd) at PW-JJ and 0.51 gpd at PW-G. Both units have operated with no downtime and have maintained minimal LNAPL thickness in the recovery wells. Incremental and cumulative recovery volumes through the fourth quarter 2012 are summarized in Table 3 and illustrated on Table 4 below. LNAPL recovery rates have stabilized through the fourth quarter of 2012 and incidental groundwater extraction has been completely eliminated.

Table 3 – Liquid Recovery Summary

Date	Volume of Water Extracted (Gallons)	Total Water (Gallons)	Volume of Product Extracted (Gallons)	Cumulative LNAPL Recovery (Gallons)
26-Apr-10	1,908.5	1,908.5	466.2	466.2
5-Aug-10	1,966.3	3,874.8	439.9	906.1
18-Oct-10	2,000.1	5,874.9	360.9	1,267.0
20-Dec-10	1,770.8	7,645.7	308.3	1,575.3
23-May-11	349.6	7,995.3	2,146.7	3,722.0
21-Nov-11	11.3	8,006.6	1,966.3	5,688.3
20-Feb-12	1,736.9	9,743.5	853.4	6,823.8
28-Jun-12	3,334.8	13,078.3	473.7	7,915.4
25-Sep-12	289.5	13,367.8	363.5	8,278.9
5-Dec-12	-	13,367.8	400.2	8,679.1

Table 4
Totalized Recovered Groundwater and LNAPL Volumes
Hobbs Booster Station



4.4 Air Sparge Performance Evaluation

The AS system has continued to operate on a 24-hour per day basis with minor down time due to routine scheduled equipment maintenance. The primary evaluation criteria for AS performance is tied to the dissolved phase hydrocarbon concentrations present in groundwater downgradient to the AS well alignment. Monitoring wells MW-14, MW-15, and MW-23, located immediately downgradient from the sparge curtain, provide ideal monitoring locations for observing effects the AS system has on impacted groundwater as it passes through the treatment zone. On the east end of the AS system, monitoring well MW-14 continues to exhibit low dissolved benzene concentrations, however, MW-23 which is located immediately downgradient to MW-14, continues to have no detectable concentrations of benzene or other dissolved petroleum hydrocarbons. On the west end of the AS system, lab data indicates that no dissolved phase hydrocarbon impacts are present in the vicinity of MW-15.

5. Conclusions

This section of the report presents conclusions from the findings of fourth quarter 2012 groundwater monitoring and remediation system O&M activities.

- Of the eleven monitoring wells sampled this quarter, one (MW-14) had persisting benzene concentrations in exceedence of the New Mexico Water Quality Control Commission Standard.

In addition, point-of-compliance wells located downgradient of the source area continue to indicate that LNAPL and/or dissolved phase impacts have not migrated beyond the historic area of impact. As confirmed by the information cited above, the remedial approach at the Site is effectively addressing the hydrocarbon impacts in the historic release area and preventing the hydrocarbon plume from advancing downgradient;

- Based on decreasing benzene concentrations in the vicinity of the AS trench, the cut off system appears to be addressing dissolved phase hydrocarbon concentrations in groundwater along both the eastern and western alignment of the trench, and;

- LNAPL recovery rates have stabilized from 1st quarter 2012, due primarily to the Spill Buster pump in operation at PW-JJ. Based on the success of the PW-JJ unit, initiation of LNAPL recovery utilizing a Spill Buster Pump at PW-G was initiated during the third quarter of 2012 to further mitigate LNAPL at the boundary of the recovery system. Design and installation plans for installation of additional Spill Buster units throughout the extraction well network are currently under development.

6. Recommendations

Based on evaluation of current and historical groundwater and LNAPL data as well as remediation system performance data, recommendations have been developed for future activities, as described below:

- Ongoing quarterly groundwater monitoring and sampling activities will provide for continued monitoring of dissolved phase BTEX concentration and LNAPL trends;

- Continue AS and LNAPL recovery system operation and maintenance, and;

- Continue product pump evaluation and further refine plans to augment LNAPL recovery at the Site.

Tables

TABLE 1
FOURTH QUARTER 2012
SUMMARY OF GROUNDWATER ELEVATION DATA
HOBBS 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*	12/8/2011	55.52	50.51	5.01	NM	3626.06	3574.30	-0.47
MW-1*	3/8/2012	55.85	50.89	4.96	NM	3626.06	3573.93	-0.37
MW-1*	6/6/2012	56.22	51.20	5.02	NM	3626.06	3573.61	-0.32
MW-1*	9/6/2012	56.36	51.34	5.02	NM	3626.06	3573.47	-0.14
MW-1*	12/5/2012	56.45	51.58	4.87	NM	3626.06	3573.26	-0.20
MW-2*	12/8/2011	49.10	45.69	3.41	NM	3623.14	3576.60	-1.02
MW-2*	3/8/2012	48.20	45.95	2.25	NM	3623.14	3576.63	0.03
MW-2*	6/6/2012	49.76	46.30	3.46	NM	3623.14	3575.98	-0.65
MW-2*	9/6/2012	50.90	46.40	4.50	NM	3623.14	3575.62	-0.36
MW-2*	12/5/2012	50.03	46.63	3.40	NM	3623.14	3575.66	0.05
MW-3	3/29/2011	45.42					3577.59	
MW-3	6/21/2011	45.85					3577.16	
MW-3	9/16/2011	46.37			55.80	3623.01	3576.64	-0.52
MW-3	12/8/2011	46.78			55.80	3623.01	3576.23	-0.41
MW-3	3/9/2012	47.10			55.80	3623.01	3575.91	-0.32
MW-3	6/6/2012	47.43			55.80	3623.01	3575.58	-0.33
MW-3	9/6/2012	47.55			55.80	3623.01	3575.46	-0.12
MW-3	12/5/2012	47.71			55.80	3623.01	3575.30	-0.16
MW-5	3/29/2011	52.74					3576.42	
MW-5	6/21/2011	52.40					3576.76	
MW-5	9/15/2011	53.40			59.20	3629.16	3575.76	-0.66
MW-5	12/8/2011	54.11			59.20	3629.16	3575.05	-0.71
MW-5	3/9/2012	54.42			59.20	3629.16	3574.74	-0.31
MW-5	6/6/2012	54.80			59.20	3629.16	3574.36	-0.38
MW-5	9/6/2012	54.95			59.20	3629.16	3574.21	-0.15
MW-5	12/5/2012	55.08			59.20	3629.16	3574.08	-0.13
MW-6	3/29/2011	48.65					3578.28	
MW-6	6/21/2011	49.02					3577.91	
MW-6	9/16/2011	49.52			56.46	3626.93	3577.41	-0.87
MW-6	12/8/2011	49.85			56.46	3626.93	3577.08	-0.33
MW-6	3/9/2012	50.16			56.46	3626.93	3576.77	-0.31
MW-6	6/6/2012	50.53			56.46	3626.93	3576.40	-0.37
MW-6	9/6/2012	50.60			56.46	3626.93	3576.33	-0.07
MW-6	12/5/2012	50.75			56.46	3626.93	3576.18	-0.15
MW-7	3/29/2011	41.64					3579.76	
MW-7	6/21/2011	41.80					3579.60	
MW-7	9/16/2011	NM			NM	3621.40	NM	NM
MW-7	12/8/2011	43.94			46.21	3621.40	3577.46	NM
MW-7	3/9/2012	44.31			46.21	3621.40	3577.09	-0.37
MW-7	6/6/2012	44.60			46.21	3621.40	3576.80	-0.29
MW-7	9/6/2012	DRY			46.75	3621.40	NM	NM
MW-7	12/5/2012	NM			46.75	3621.40	NM	NM
MW-8	3/29/2011	47.61	45.07	2.54			3578.08	
MW-8	9/15/2011	NM			NM	3623.62	NM	NM
MW-9*	3/29/2011	57.60	51.54	6.06			3572.56	
MW-9*	6/21/2011	57.91	51.82	6.09			3572.27	
MW-9*	9/16/2011	58.02	51.74	6.28	NM	3625.21	3571.90	-0.66
MW-9*	12/8/2011	58.44	52.16	6.28	NM	3625.21	3571.48	-0.42
MW-9*	3/9/2012	58.60	52.70	5.90	NM	3625.21	3571.04	-0.44
MW-9*	6/6/2012	59.08	52.90	6.18	NM	3625.21	3570.77	-0.27
MW-9*	9/6/2012	59.30	52.99	6.31	NM	3625.21	3570.64	-0.12
MW-9*	12/5/2012	59.48	53.15	6.33	NM	3625.21	3570.48	-0.16

TABLE 1
FOURTH QUARTER 2012
SUMMARY OF GROUNDWATER ELEVATION DATA
HOBBS 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-10	3/29/2011	46.14					3574.93	
MW-10	6/21/2011	46.49					3574.58	
MW-10	9/16/2011	46.99			58.28	3621.07	3574.08	-0.85
MW-10	12/8/2011	46.92			58.28	3621.07	3574.15	0.07
MW-10*	3/12/2012	49.31	47.35	1.96	58.28	3621.07	3573.23	-0.92
MW-10*	6/6/2012	49.46	47.85	1.61	58.28	3621.07	3572.82	-0.41
MW-10*	9/6/2012	50.75	47.74	3.01	58.28	3621.07	3572.58	-0.24
MW-10*	12/5/2012	51.14	47.82	3.32	58.28	3621.07	3572.42	-0.16
MW-12*	3/29/2011	28.33	51.75	6.58			3573.64	
MW-12*	6/21/2011	59.20	51.84	7.36			3573.41	
MW-12*	9/16/2011	59.86	51.58	8.28	NM	3626.60	3572.95	-0.69
MW-12*	12/8/2011	60.02	52.00	8.02	NM	3626.60	3572.60	-0.36
MW-12*	3/8/2012	60.22	52.36	7.86	NM	3626.60	3572.28	-0.32
MW-12*	6/6/2012	60.34	52.61	7.73	NM	3626.60	3572.06	-0.22
MW-12*	9/6/2012	59.41	52.81	6.60	NM	3626.60	3572.14	0.08
MW-12*	12/5/2012	60.08	53.05	7.03	NM	3626.60	3571.79	-0.35
MW-13	3/29/2011	53.93	52.66	1.27			3573.41	
MW-13	9/15/2011	NM			NM	3626.30	NM	NM
MW-14	3/29/2011	48.35					3573.07	
MW-14	6/21/2011	48.37					3573.05	
MW-14	9/16/2011	49.25			62.94	3621.42	3572.17	-0.90
MW-14	12/6/2011	49.52			62.94	3621.42	3571.90	-0.27
MW-14	3/9/2012	50.05			62.94	3621.42	3571.37	-0.53
MW-14	6/6/2012	50.45			62.94	3621.42	3570.97	-0.40
MW-14	9/6/2012	50.65			62.94	3621.42	3570.77	-0.20
MW-14	12/5/2012	50.75			62.94	3621.42	3570.67	-0.10
MW-15	3/29/2011	44.09					3575.30	
MW-15	6/21/2011	44.51					3574.88	
MW-15	9/16/2011	45.02			58.17	3619.39	3574.37	-0.93
MW-15	12/6/2011	45.30			58.17	3619.39	3574.09	-0.28
MW-15	3/9/2012	45.86			58.17	3619.39	3573.53	-0.56
MW-15	6/6/2012	46.26			58.17	3619.39	3573.13	-0.40
MW-15	9/6/2012	46.42			58.17	3619.39	3572.97	-0.16
MW-15	12/5/2012	46.54			58.17	3619.39	3572.85	-0.12
MW-16	3/29/2011	44.37					3577.50	
MW-16	6/21/2011	44.79					3577.08	
MW-16	9/16/2011	45.31			56.35	3621.87	3576.56	-0.94
MW-16	12/6/2011	45.55			56.35	3621.87	3576.32	-0.24
MW-16	3/9/2012	46.05			56.35	3621.87	3575.82	-0.50
MW-16	6/6/2012	46.32			56.35	3621.87	3575.55	-0.27
MW-16	9/6/2012	46.53			56.35	3621.87	3575.34	-0.21
MW-16	12/5/2012	46.68			56.35	3621.87	3575.19	-0.15
MW-17*	3/29/2011	54.25	53.46	0.79			3570.35	
MW-17*	6/21/2011	54.46	53.71	0.75			3570.09	
MW-17*	9/16/2011	53.66	54.47	0.81	NM	3623.94	3570.89	0.54
MW-17*	12/8/2011	54.82	54.10	0.72	NM	3623.94	3569.66	-1.23
MW-17*	3/8/2012	55.40	54.50	0.90	NM	3623.94	3569.22	-0.44
MW-17*	6/6/2012	55.70	54.72	0.98	NM	3623.94	3568.98	-0.24
MW-17*	9/6/2012	55.65	54.88	0.77	NM	3623.94	3568.87	-0.11
MW-17*	12/5/2012	55.84	55.03	0.81	NM	3623.94	3568.71	-0.16

TABLE 1
FOURTH QUARTER 2012
SUMMARY OF GROUNDWATER ELEVATION DATA
HOBBS 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-18*	3/29/2011	54.53					3569.77	
MW-18*	6/21/2011	54.83	54.77	0.06			3569.52	
MW-18*	9/15/2011	54.51	54.71	0.20	NM	3624.30	3569.94	0.17
MW-18*	12/8/2011	55.21	55.08	0.13	NM	3624.30	3569.19	-0.75
MW-18*	3/8/2012	55.52	55.30	0.22	NM	3624.30	3568.95	-0.24
MW-18*	6/6/2012	55.81	55.61	0.20	NM	3624.30	3568.64	-0.30
MW-18*	9/6/2012	56.10	55.94	0.16	NM	3624.30	3568.32	-0.32
MW-18*	12/5/2012	56.13	56.10	0.03	NM	3624.30	3568.19	-0.13
MW-19	3/29/2011	54.42					3569.70	
MW-19	6/21/2011	54.75					3569.37	
MW-19	9/15/2011	55.18			65.15	3624.12	3568.94	-0.76
MW-19	12/6/2011	55.46			65.15	3624.12	3568.66	-0.28
MW-19	3/9/2012	55.85			65.15	3624.12	3568.27	-0.39
MW-19	6/6/2012	56.25			65.15	3624.12	3567.87	-0.40
MW-19	9/6/2012	56.36			65.15	3624.12	3567.76	-0.11
MW-19	12/5/2012	56.48			65.15	3624.12	3567.64	-0.12
MW-19D	3/29/2011	54.33					3569.46	
MW-19D	6/21/2011	54.74					3569.05	
MW-19D	9/15/2011	55.15			78.75	3623.79	3568.64	-0.82
MW-19D	12/6/2011	55.41			78.75	3623.79	3568.38	-0.26
MW-19D	3/9/2012	55.82			78.75	3623.79	3567.97	-0.41
MW-19D	6/6/2012	56.09			78.75	3623.79	3567.70	-0.27
MW-19D	9/6/2012	56.30			78.75	3623.79	3567.49	-0.21
MW-19D	12/5/2012	56.38			78.75	3623.79	3567.41	-0.08
MW-20	3/29/2011	51.97					3569.52	
MW-20	6/21/2011	52.32					3569.17	
MW-20	9/16/2011	52.75			60.80	3621.49	3568.74	-0.78
MW-20	12/6/2011	53.00			60.80	3621.49	3568.49	-0.25
MW-20	3/9/2012	53.45			60.80	3621.49	3568.04	-0.45
MW-20	6/6/2012	53.79			60.80	3621.49	3567.70	-0.34
MW-20	9/6/2012	53.91			60.80	3621.49	3567.58	-0.12
MW-20	12/5/2012	54.06			60.80	3621.49	3567.43	-0.15
MW-21	3/29/2011	53.72					3570.53	
MW-21	6/21/2011	54.19					3570.06	
MW-21	9/15/2011	54.59			62.75	3624.25	3569.66	-0.87
MW-21	12/6/2011	54.84			62.75	3624.25	3569.41	-0.25
MW-21	3/9/2012	55.30			62.75	3624.25	3568.95	-0.46
MW-21	6/6/2012	55.67			62.75	3624.25	3568.58	-0.37
MW-21	9/6/2012	55.84			62.75	3624.25	3568.41	-0.17
MW-21	12/5/2012	55.96			62.75	3624.25	3568.29	-0.12
MW-22	3/29/2011	55.49					3569.67	
MW-22	6/21/2011	55.76					3569.40	
MW-22	9/15/2011	56.23			62.00	3625.16	3568.93	-0.74
MW-22	12/6/2011	56.51			62.00	3625.16	3568.65	-0.28
MW-22	3/9/2012	56.86			62.00	3625.16	3568.30	-0.35
MW-22	6/6/2012	57.29			62.00	3625.16	3567.87	-0.43
MW-22	9/6/2012	57.37			62.00	3625.16	3567.79	-0.08
MW-22	12/5/2012	57.46			62.00	3625.16	3567.70	-0.09
MW-23	3/29/2011	47.94					3573.22	
MW-23	6/21/2011	48.34					3572.82	
MW-23	9/15/2011	48.84			56.21	3621.16	3572.32	-0.90
MW-23	12/6/2011	49.15			56.21	3621.16	3572.01	-0.31
MW-23	3/9/2012	49.65			56.21	3621.16	3571.51	-0.50
MW-23	6/6/2012	50.10			56.21	3621.16	3571.06	-0.45
MW-23	9/6/2012	50.22			56.21	3621.16	3570.94	-0.12
MW-23	12/5/2012	50.36			56.21	3621.16	3570.80	-0.14

TABLE 1
FOURTH QUARTER 2012
SUMMARY OF GROUNDWATER ELEVATION DATA
HOBBS 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-24	3/29/2011	45.98					3573.29	
MW-24	3/11/2011	46.36					3572.91	
MW-24	9/15/2011	46.90			56.77	3619.27	3572.37	-0.92
MW-24	12/6/2011	47.21			56.77	3619.27	3572.06	-0.31
MW-24	3/9/2012	47.75			56.77	3619.27	3571.52	-0.54
MW-24	6/6/2012	48.15			56.77	3619.27	3571.12	-0.40
MW-24	9/6/2012	48.35			56.77	3619.27	3570.92	-0.20
MW-24	12/5/2012	48.51			56.77	3619.27	3570.76	-0.16
MW-25	3/29/2011	47.04					3572.69	
MW-25	6/21/2011	47.40					3572.33	
MW-25	9/15/2011	47.91			56.29	3619.73	3571.82	-0.87
MW-25	12/6/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/7/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/8/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/9/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/10/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/11/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/12/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/13/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/14/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/15/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/16/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/17/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/18/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/19/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/20/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/21/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/22/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/23/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/24/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/25/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	12/26/2011	48.15			56.29	3619.73	3571.58	-0.24
MW-25	3/9/2012	48.73			56.29	3619.73	3571.00	-0.58
MW-25	6/6/2012	49.11			56.29	3619.73	3570.62	-0.38
MW-25	9/6/2012	49.31			56.29	3619.73	3570.42	-0.20
MW-25	12/5/2012	49.44			56.29	3619.73	3570.29	-0.13
TW-H	3/29/2011	46.02					3576.28	
TW-H	6/21/2011	46.42					3575.88	
TW-H	9/15/2011	NM			NM	3622.30	NM	NM
TW-H	12/8/2011	NM			NM	3622.30	NM	NM
TW-H	3/8/2012	NM			NM	3622.30	NM	NM
TW-H	6/6/2012	NM			NM	3622.30	NM	NM
TW-H	9/6/2012	NM			NM	3622.30	NM	NM
TW-H	12/5/2012	NM			NM	3622.30	NM	NM
TW-K*	3/29/2011	62.66	55.51	7.15			3572.13	
TW-K*	6/21/2011	62.47	55.71	6.76			3572.00	
TW-K*	9/16/2011	62.10	55.67	6.43		3628.95	3571.67	-0.46
TW-K*	12/8/2011	62.15	56.04	6.11		3628.95	3571.38	-0.29
TW-K*	3/8/2012	62.70	57.50	5.20		3628.95	3570.15	-1.23
TW-K*	6/6/2012	62.21	56.71	5.50		3628.95	3570.87	0.71
TW-K*	9/6/2012	62.10	56.90	5.20		3628.95	3570.75	-0.11
TW-K*	12/5/2012	62.07	57.07	5.00		3628.95	3570.63	-0.12

TABLE 1
FOURTH QUARTER 2012
SUMMARY OF GROUNDWATER ELEVATION DATA
HOBBS 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)
TW-N*	3/29/2011	55.60	54.48	1.12			3577.29	
TW-N*	6/21/2011	57.24	54.30	2.94			3577.14	
TW-N*	9/16/2011	59.13	53.71	5.42		3631.98	3576.92	-0.38
TW-N*	12/8/2011	59.30	53.95	5.35		3631.98	3576.69	-0.22
TW-N*	3/8/2012	59.24	54.25	4.99		3631.98	3576.48	-0.21
TW-N*	6/6/2012	59.31	54.52	4.79		3631.98	3576.26	-0.22
TW-N*	9/6/2012	59.27	54.71	4.56		3631.98	3576.13	-0.13
TW-N*	12/5/2012	59.14	54.92	4.22		3631.98	3576.01	-0.13
Average change in groundwater elevation since the previous monitoring event								-0.14

Notes:

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

2- Total depths were collected and recorded during the fourth quarter 2012 monitoring event. Total depths were not collected in wells that contained LNAPL.

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

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 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:

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
FOURTH QUARTER 2012
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
HOBBS 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	12/6/2011	NS	NS	NS	NS	
MW-3	3/9/2012	<0.001	<0.002	0.0019	<0.004	
MW-3	6/6/2012	NS	NS	NS	NS	
MW-3	9/6/2012	<0.001	<0.002	0.0022	0.0023	
MW-3	12/5/2012	NS	NS	NS	NS	
MW-5	12/6/2011	NS	NS	NS	NS	
MW-5	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-5	6/6/2012	NS	NS	NS	NS	
MW-5	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-5	12/5/2012	NS	NS	NS	NS	
MW-6	12/6/2011	NS	NS	NS	NS	
MW-6	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-6	6/6/2012	NS	NS	NS	NS	
MW-6	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-6	12/5/2012	NS	NS	NS	NS	
MW-7	12/6/2011	NS	NS	NS	NS	
MW-7	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-7	6/6/2012	NS	NS	NS	NS	
MW-7	9/6/2012	NS	NS	NS	NS	
MW-7	12/5/2012	NS	NS	NS	NS	
MW-10	12/6/2011	NS	NS	NS	NS	
MW-10	3/9/2012	NS	NS	NS	NS	
MW-10	6/6/2012	NS	NS	NS	NS	
MW-10	9/6/2012	NS	NS	NS	NS	
MW-10	12/5/2012	NS	NS	NS	NS	
MW-14	12/6/2011	**0.0787**	<0.002	0.0017	<0.004	Duplicate sample collected
MW-14	3/9/2012	**0.0523**	<0.002	0.00066	<0.004	
MW-14	6/6/2012	**0.0335**	<0.002	0.00064	<0.003	
MW-14	9/6/2012	**0.105**	<0.002	0.0012	<0.003	
MW-14	12/5/2012	**0.129**	<0.002	0.00081	<0.003	
MW-15	12/6/2011	0.0053	<0.002	0.0106	<0.004	
MW-15	3/9/2012	0.0059	<0.002	0.0097	<0.004	Duplicate 1 sample collected
MW-15	6/6/2012	0.0041	<0.002	<0.002	<0.003	Duplicate sample collected
MW-15	9/6/2012	0.0033	<0.002	<0.002	<0.003	Duplicate 1 sample collected
MW-15	12/5/2012	0.0027	<0.002	<0.002	<0.003	Duplicate sample collected
MW-16	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-16	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-16	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-16	12/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-19	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-19	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-19	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-19	12/5/2012	<0.001	<0.002	<0.002	<0.003	

TABLE 2
FOURTH QUARTER 2012
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
HOBBS 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-19D	12/6/2011	0.0015	<0.002	<0.002	<0.004	
MW-19D	3/9/2012	0.0015	<0.002	<0.002	<0.004	Duplicate 2 sample collected
MW-19D	6/6/2012	0.00079	<0.002	<0.002	<0.003	
MW-19D	9/6/2012	0.00072	<0.002	<0.002	<0.003	Duplicate 2 sample collected
MW-19D	12/5/2012	0.0030	<0.002	0.00069	<0.003	
MW-20	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	3/9/2012	0.00033	<0.002	<0.002	<0.004	
MW-20	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-20	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-20	12/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-21	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-21	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-21	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-21	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-21	12/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-22	12/6/2011	0.0028	<0.002	<0.002	<0.004	
MW-22	3/9/2012	0.0034	<0.002	0.00046	<0.004	
MW-22	6/6/2012	0.0031	<0.002	0.00045	<0.003	
MW-22	9/6/2012	0.0021	<0.002	<0.002	<0.003	
MW-22	12/5/2012	0.0033	<0.002	0.00055	0.0031	
MW-23	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-23	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-23	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-23	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-23	12/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-24	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-24	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-24	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-24	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-24	12/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-25	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-25	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-25	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-25	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-25	12/5/2012	<0.001	<0.002	<0.002	<0.003	

Notes:

1.) The environmental cleanup standards for groundwater that are applicable to this Site are the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards.

2.) Data presented for all other well locations includes 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.

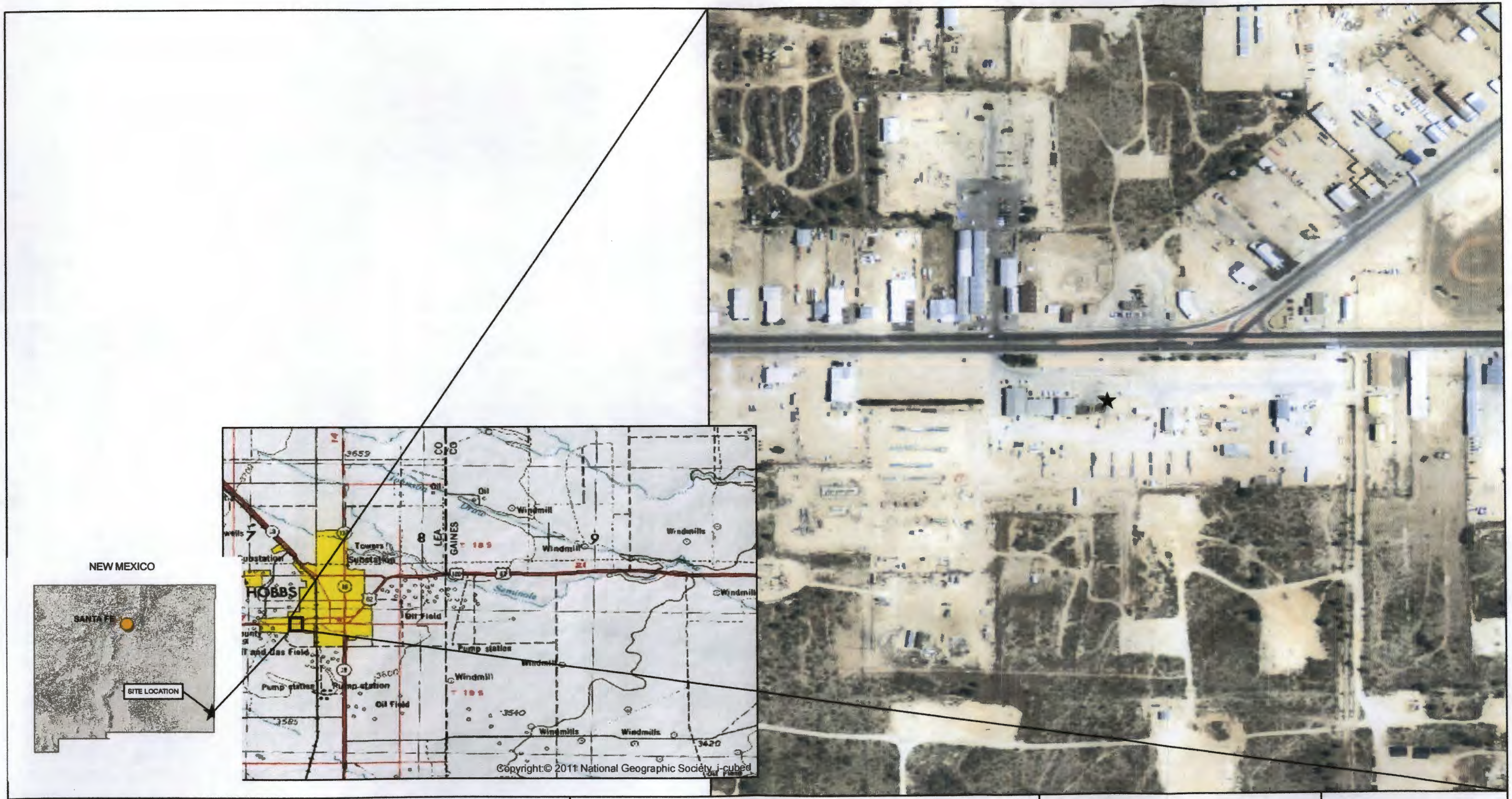
Sample locations are shown on Figure 2 and analytical results are illustrated on Figure 4.

LNAPL = Light Non-Aqueous Phase Liquid

NS = Not sampled.

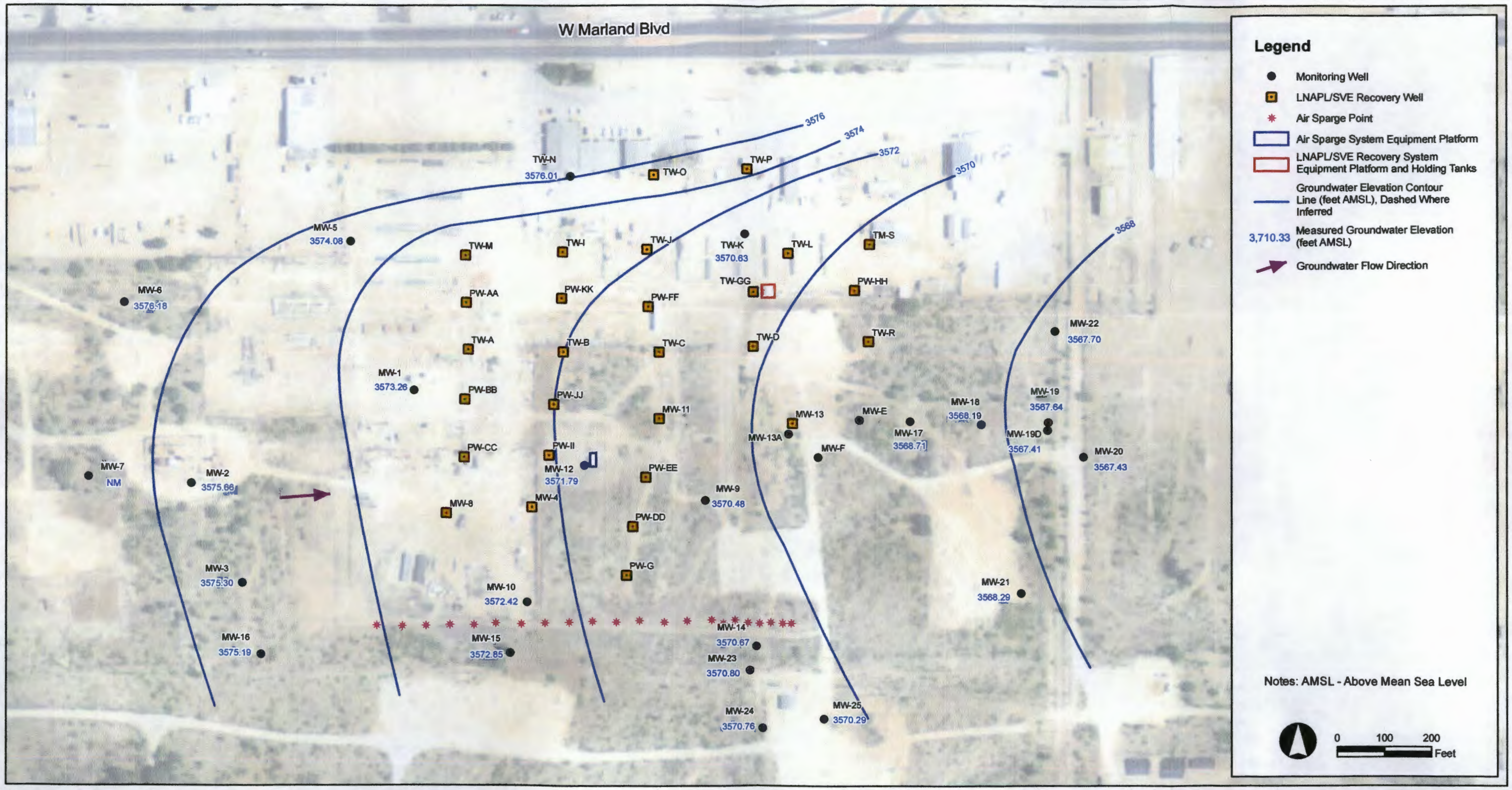
mg/L = milligrams per liter.

Figures

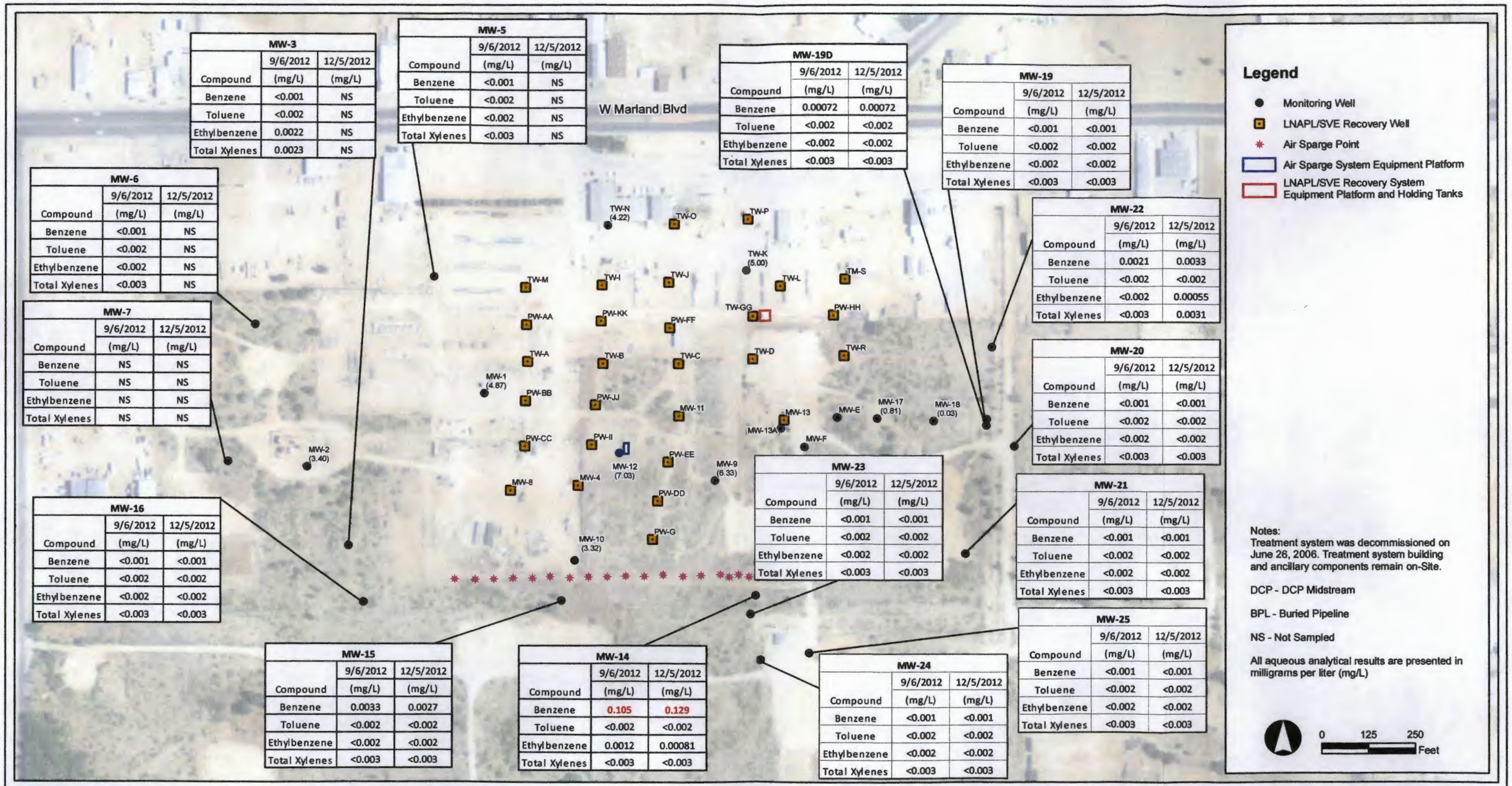


DESIGNED BY: C. Wasko DRAWN BY: J. Clonts SHEET CHK'D BY: CROSS CHK'D BY: APPROVED BY: APPROVED BY:	TASMAN GEOSCIENCES Tasman Geosciences, LLC 6899 Pecos Street - Unit C Denver, CO 80221 303 487 1228	**HOBBS BOOSTER STATION**	SITE LOCATION	FIGURE 1

DESIGNED BY: C. Wasko DRAWN BY: J. Clonts SHEET CHK'D BY: CROSS CHK'D BY: APPROVED BY: APPROVED BY:	TASMAN GEOSCIENCES Tasman Geosciences, LLC 6899 Pecos Street - Unit C Denver, CO 80221 303 487 1228	**HOBBS BOOSTER STATION**	SITE MAP	FIGURE 2



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	**HOBBS BOOSTER STATION** *Fourth Quarter 2012 Groundwater Monitoring Summary Report*	GROUNDWATER ELEVATION CONTOUR MAP (DECEMBER 5, 2012)	FIGURE 3



MW-3		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	<0.001	NS
Toluene	<0.002	NS
Ethylbenzene	0.0022	NS
Total Xylenes	0.0023	NS

MW-5		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	<0.001	NS
Toluene	<0.002	NS
Ethylbenzene	<0.002	NS
Total Xylenes	<0.003	NS

MW-19D		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	0.00072	0.00072
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003

MW-19		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003

MW-6		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	<0.001	NS
Toluene	<0.002	NS
Ethylbenzene	<0.002	NS
Total Xylenes	<0.003	NS

MW-22		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	0.0021	0.0033
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	0.00055
Total Xylenes	<0.003	0.0031

MW-7		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	NS	NS
Toluene	NS	NS
Ethylbenzene	NS	NS
Total Xylenes	NS	NS

MW-20		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003

MW-16		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003

MW-23		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003

MW-21		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003

MW-15		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	0.0033	0.0027
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003

MW-14		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	0.105	0.129
Toluene	<0.002	<0.002
Ethylbenzene	0.0012	0.00081
Total Xylenes	<0.003	<0.003

MW-24		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003

MW-25		
	9/6/2012	12/5/2012
Compound	(mg/L)	(mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003

Legend

- Monitoring Well
- LNAPL/SVE Recovery Well
- Air Sparge Point
- Air Sparge System Equipment Platform
- LNAPL/SVE Recovery System Equipment Platform and Holding Tanks

Notes:
Treatment system was decommissioned on June 26, 2006. Treatment system building and ancillary components remain on-Site.

DCP - DCP Midstream

BPL - Buried Pipeline

NS - Not Sampled

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

0 125 250 Feet

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

HOBBS BOOSTER STATION

Fourth Quarter 2012 Groundwater Monitoring Summary Report

ANALYTICAL RESULTS MAP

FIGURE 4

Appendix A

Laboratory Analytical Report

Mountain States ACCUTEST LABORATORIES

12/13/12

Technical Report for

DCP Midstream, LP

TASMCOA:DCP Hobbs Booster Station

Accutest Job Number: D41669

Sampling Date: 12/05/12

Report to:

Tasman Geosciencec LLC
5690 Webster Street
Arvada, CO 80002
swweathers@dcpmidstream.com; jimdawe@tasman-geo.com;
cwasko@tasman-geo.com
ATTN: Jim Dawe

Total number of pages in report: **38**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Brad Madadian
Laboratory Director

Client Service contact: Shea Greiner 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW), UT (NELAP CO00049), TX (T104704511-12-1)

Sections: 1 2 3 4 5 6

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Sample Summary

DCP Midstream, LP

Job No: D41669

TASMCOA:DCP Hobbs Booster Station

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D41669-1	12/05/12	08:55	CW	12/08/12	AQ	Ground Water	MW-14
D41669-2	12/05/12	09:25	CW	12/08/12	AQ	Ground Water	MW-15
D41669-3	12/05/12	10:10	CW	12/08/12	AQ	Ground Water	MW-16
D41669-3D	12/05/12	10:10	CW	12/08/12	AQ	Water Dup/MSD	MW-16
D41669-3M	12/05/12	10:10	CW	12/08/12	AQ	Water Matrix Spike	MW-16
D41669-4	12/05/12	11:35	CW	12/08/12	AQ	Ground Water	MW-19
D41669-5	12/05/12	11:30	CW	12/08/12	AQ	Ground Water	MW-19D
D41669-6	12/05/12	12:30	CW	12/08/12	AQ	Ground Water	MW-20
D41669-7	12/05/12	10:55	CW	12/08/12	AQ	Ground Water	MW-21
D41669-8	12/05/12	11:55	CW	12/08/12	AQ	Ground Water	MW-22
D41669-9	12/05/12	08:30	CW	12/08/12	AQ	Ground Water	MW-23
D41669-10	12/05/12	08:00	CW	12/08/12	AQ	Ground Water	MW-24
D41669-11	12/05/12	08:05	CW	12/08/12	AQ	Ground Water	MW-25

Sample Summary
(continued)

DCP Midstream, LP

Job No: D41669

TASMCOA:DCP Hobbs Booster Station

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
D41669-12	12/05/12	00:00	CW	12/08/12	AQ	Ground Water	DUP-1
D41669-13	12/05/12	00:00	CW	12/08/12	AQ	Trip Blank Water	TRIP BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	DCP Midstream, LP	**Job No**	D41669
Site:	TASMCOA:DCP Hobbs Booster Station	**Report Date**	12/13/2012 11:27:16 A

On 12/08/2012, 12 sample(s), 1 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 0.9 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D41669 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix AQ **Batch ID:** V3V1289

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D41670-5MS, D41670-5MSD were used as the QC samples indicated.

Matrix AQ **Batch ID:** V7V926

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D41668-8MS, D41668-8MSD were used as the QC samples indicated.
- D41669-9: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.
- D41669-10: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.

Matrix AQ **Batch ID:** V7V927

- All samples were analyzed within the recommended method holding time.
- Sample(s) D41669-3MS, D41669-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- D41669-1: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.

Matrix AQ **Batch ID:** V7V928

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D41671-7MS, D41671-7MSD were used as the QC samples indicated.
- D41671-7MSD: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.
- D41671-7MS: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D41669
Account: DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station
Collected: 12/05/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D41669-1	**MW-14**					
Benzene [a]		0.129	0.0010	0.00027	mg/l	SW846 8260B
Ethylbenzene [a]		0.00081 J	0.0020	0.00033	mg/l	SW846 8260B
D41669-2	**MW-15**					
Benzene		0.0027	0.0010	0.00027	mg/l	SW846 8260B
D41669-3	**MW-16**					
No hits reported in this sample.						
D41669-4	**MW-19**					
No hits reported in this sample.						
D41669-5	**MW-19D**					
Benzene		0.0030	0.0010	0.00027	mg/l	SW846 8260B
Ethylbenzene		0.00069 J	0.0020	0.00033	mg/l	SW846 8260B
D41669-6	**MW-20**					
No hits reported in this sample.						
D41669-7	**MW-21**					
No hits reported in this sample.						
D41669-8	**MW-22**					
Benzene		0.0033	0.0010	0.00027	mg/l	SW846 8260B
Ethylbenzene		0.00055 J	0.0020	0.00033	mg/l	SW846 8260B
Xylene (total)		0.0031	0.0030	0.0020	mg/l	SW846 8260B
D41669-9	**MW-23**					
No hits reported in this sample.						
D41669-10	**MW-24**					
No hits reported in this sample.						

Summary of Hits

Job Number: D41669
Account: DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station
Collected: 12/05/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D41669-11	**MW-25**					
No hits reported in this sample.						
D41669-12	**DUP-1**					
Benzene		0.0025	0.0010	0.00027	mg/l	SW846 8260B
D41669-13	**TRIP BLANK**					
No hits reported in this sample.						

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

Mountain States ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	D41669-1	**Date Sampled:**	12/05/12
Matrix:	AQ - Ground Water	**Date Received:**	12/08/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TASMCOA:DCP Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	7V17082.D	1	12/11/12	JL	n/a	n/a	V7V927
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.129	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	0.00081	0.0020	0.00033	mg/l	J
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		62-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	95%		69-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-15
Lab Sample ID: D41669-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP Hobbs Booster Station

Date Sampled: 12/05/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17083.D	1	12/11/12	JL	n/a	n/a	V7V927
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0027	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		62-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	94%		69-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-16
Lab Sample ID: D41669-3
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP Hobbs Booster Station

Date Sampled: 12/05/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17084.D	1	12/11/12	JL	n/a	n/a	V7V927
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		62-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	92%		69-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-19
Lab Sample ID: D41669-4
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP Hobbs Booster Station

Date Sampled: 12/05/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17098.D	1	12/11/12	JL	n/a	n/a	V7V928
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		62-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	91%		69-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-19D
Lab Sample ID: D41669-5
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP Hobbs Booster Station

Date Sampled: 12/05/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17088.D	1	12/11/12	JL	n/a	n/a	V7V927
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0030	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	0.00069	0.0020	0.00033	mg/l	J
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	94%		62-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	94%		69-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-20
Lab Sample ID: D41669-6
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP Hobbs Booster Station

Date Sampled: 12/05/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17089.D	1	12/11/12	JL	n/a	n/a	V7V927
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	94%		62-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	92%		69-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-21		
Lab Sample ID:	D41669-7	**Date Sampled:**	12/05/12
Matrix:	AQ - Ground Water	**Date Received:**	12/08/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TASMCOA:DCP Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17090.D	1	12/11/12	JL	n/a	n/a	V7V927
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		62-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	92%		69-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-22
Lab Sample ID: D41669-8
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP Hobbs Booster Station

Date Sampled: 12/05/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17066.D	1	12/10/12	JL	n/a	n/a	V7V926
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0033	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	0.00055	0.0020	0.00033	mg/l	J
1330-20-7	Xylene (total)	0.0031	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	92%		62-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	94%		69-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-23		
Lab Sample ID:	D41669-9	**Date Sampled:**	12/05/12
Matrix:	AQ - Ground Water	**Date Received:**	12/08/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TASMCOA:DCP Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	7V17067.D	1	12/10/12	JL	n/a	n/a	V7V926
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	92%		62-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	94%		69-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24		
Lab Sample ID:	D41669-10	**Date Sampled:**	12/05/12
Matrix:	AQ - Ground Water	**Date Received:**	12/08/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TASMCOA:DCP Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	7V17068.D	1	12/10/12	JL	n/a	n/a	V7V926
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		62-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	91%		69-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-25
Lab Sample ID: D41669-11
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP Hobbs Booster Station

Date Sampled: 12/05/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17069.D	1	12/10/12	JL	n/a	n/a	V7V926
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	95%		62-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	92%		69-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-1
Lab Sample ID: D41669-12
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP Hobbs Booster Station

Date Sampled: 12/05/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V22058.D	1	12/10/12	BR	n/a	n/a	V3V1289
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0025	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	120%		62-130%
2037-26-5	Toluene-D8	110%		70-130%
460-00-4	4-Bromofluorobenzene	91%		69-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	D41669-13	**Date Sampled:**	12/05/12
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/08/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TASMCOA:DCP Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17065.D	1	12/10/12	JL	n/a	n/a	V7V926
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00033	mg/l	
1330-20-7	Xylene (total)	ND	0.0030	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		62-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	94%		69-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Mountain States ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

4036 Youngfield Street, Wheat Ridge, CO 80033
TEL. 303-425-6021 FAX: 303-425-6854
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: D41669

Client / Reporting Information

Company Name: DCP Midstream ~~Tasman Geosciences~~
Street Address: 5690 Webster Street
City: Arvada CO 80002
Project Contact: Christine Wasko cwasko@tasman-geo.com
Phone #: 702-409-8791
Sampler(s) Name(s): Christine Wasko

Project Information

Project Name: DCP HOBBS BOOSTER STATION
Street:
City: State:
Project #: RC - GN00 Project - 400128005
Client Purchase Order #:
Project Manager: Jim Dawe jimdawe@tasman-geo.com

Billing Information (if different from Report to)

Company Name: DCP Midstream
Street Address: PO Box 4870
City: Portland OR 97208-4870
Attention: Steve Weathers SWWeathers@dcpmidstream.com

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260BTX	LAB USE ONLY
	MW-14		12/5/12	855	CW	GW	3	3								X	01
	MW-15			925		GW	3	3								X	02
	MW-16			1010		GW	3	3								X	03
	MW-19			1135		GW	3	3								X	04
	MW-19d			1130		GW	3	3								X	05
	MW-20			1230		GW	3	3								X	06
	MW-21			1055		GW	3	3								X	07
	MW-22			1155		GW	3	3								X	08
	MW-23			830		GW	3	3								X	09
	MW-24			800		GW	3	3								X	10
	MW-25			805		GW	3	3								X	11
	[redacted]															X	

Turnaround Time (Business days)

- [ ] Std. 15 Business Days
- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day Emergency
- [ ] 2 Day Emergency
- [ ] 1 Day Emergency
- [x] STD 5 business Days per contract

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] COMMBN
- [ ] COMMBN+
- [ ] State Forms Required
- [ ] Send Forms to State
- [ ] Report by Fax
- [x] Report by PDF
- [ ] EDD Format

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial BN = Results/QC/Narrative (+ = chromatograms)

Comments / Special Instructions

Email results to Steve Weathers

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:
1		12/7/12 1200	1 Bob
2	Relinquished By:	Date Time:	Received By: 2
3	Relinquished by Sampler:	Date Time:	Received By: 3
4	Relinquished By:	Date Time: 12/8/12 0:05	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5

Custody Seal #: | [x] Intact [ ] Not Intact | Preserved where applicable | On Ice | Cooler Temp. 0.9°C

5.1 5

D41669: Chain of Custody
Page 1 of 3

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL. 303-425-6021 FAX: 303-425-6854
www.accutest.com

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # D41669

Client / Reporting Information

Company Name: DCP Midstream / ~~Tasman Geosciences~~
Street Address: 5690 Webster Street
City: Arvada CO 80002
Project Contact: Christine Wasko cwasko@tasman-geo.com
Phone #: 720-409-8791
Sampler(s) Name(s): Christine Wasko

Project Information

Project Name: DCP HOBBS BOOSTER STATION
Street:
City: State:
Project #: RC - GN00 Project - 400128005
Client Purchase Order #:
Project Manager: Jim Dawe jimdawe@tasman-geo.com

Billing Information (If different from Report to)

Company Name: DCP Midstream
Street Address: PO Box 4870
City: Portland OR 97208-4870
Attention: Steve Weathers SWWeathers@dcpmidstream.com

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260BTX		MS/MSD for V8260BTX								LAB USE ONLY
	MW-16 MS/MSD		12/5/12	1010	CW	GW	6	6										X								03
	DUP-1				CW	GW	3	3								X										12
	TRIP BLANK						2	2								X										13 TB

Turnaround Time (Business days)

- [ ] Std. 15 Business Days
- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day Emergency
- [ ] 2 Day Emergency
- [ ] 1 Day Emergency
- [x] STD 5 business Days per contract

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] COMMBN
- [ ] COMMBN+
- [ ]
- [ ] State Forms Required
- [ ] Send Forms to State
- [ ] Report by Fax
- [x] Report by PDF
- [ ] EDD Format

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial BN = Results/QC/Narrative (+ = chromatograms)

Comments / Special Instructions

Email results to Steve Weathers

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		12/7/12 1700	1 Fedex	2		2
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	[ ] Intact [ ] Not Intact	Preserved where applicable [ ] On Ice [ ] Cooler Temp.

5.1 5

D41669: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D41669 **Client:** DCP MIDSTREAM **Immediate Client Services Action Required:** No

Date / Time Received: 12/8/2012 10:05:00 AM **No. Coolers:** 1 **Client Service Action Required at Login:** No

Project: DCP HOBBS BOOSTER STATION **Airbill #'s:** FX

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	
2. Trip Blank listed on COC:	☐		☐	
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume rec'd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:(303) 425-6021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www/accutest.com

D41669: Chain of Custody
Page 3 of 3

Mountain States ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V926-MB	7V17051.D	1	12/10/12	JL	n/a	n/a	V7V926

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-8, D41669-9, D41669-10, D41669-11, D41669-13

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.27	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.33	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	93%	62-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	91%	69-130%

Method Blank Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V1289-MB	3V22051.D	1	12/10/12	BR	n/a	n/a	V3V1289

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.27	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.33	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	111%	62-130%
2037-26-5	Toluene-D8	106%	70-130%
460-00-4	4-Bromofluorobenzene	92%	69-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	4.41	12	ug/l	JN
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V927-MB	7V17072.D	1	12/10/12	JL	n/a	n/a	V7V927

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-1, D41669-2, D41669-3, D41669-5, D41669-6, D41669-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.27	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.33	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	94%	62-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	93%	69-130%

Method Blank Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V928-MB	7V17093.D	1	12/11/12	JL	n/a	n/a	V7V928

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.27	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.33	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	92%	62-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	91%	69-130%

Blank Spike Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V926-BS	7V17052.D	1	12/10/12	JL	n/a	n/a	V7V926

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-8, D41669-9, D41669-10, D41669-11, D41669-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	47.3	95	70-130
100-41-4	Ethylbenzene	50	49.1	98	70-130
108-88-3	Toluene	50	49.8	100	70-130
1330-20-7	Xylene (total)	150	152	101	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	93%	62-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	96%	69-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V1289-BS	3V22052.D	1	12/10/12	BR	n/a	n/a	V3V1289

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	51.3	103	70-130
100-41-4	Ethylbenzene	50	51.4	103	70-130
108-88-3	Toluene	50	49.9	100	70-130
1330-20-7	Xylene (total)	150	154	103	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	110%	62-130%
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	95%	69-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V927-BS	7V17073.D	1	12/11/12	JL	n/a	n/a	V7V927

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-1, D41669-2, D41669-3, D41669-5, D41669-6, D41669-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	47.6	95	70-130
100-41-4	Ethylbenzene	50	49.3	99	70-130
108-88-3	Toluene	50	50.5	101	70-130
1330-20-7	Xylene (total)	150	153	102	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	93%	62-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	95%	69-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V928-BS	7V17094.D	1	12/11/12	JL	n/a	n/a	V7V928

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	46.7	93	70-130
100-41-4	Ethylbenzene	50	48.9	98	70-130
108-88-3	Toluene	50	49.5	99	70-130
1330-20-7	Xylene (total)	150	152	101	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	92%	62-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	95%	69-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D41668-8MS	7V17059.D	1	12/10/12	JL	n/a	n/a	V7V926
D41668-8MSD	7V17060.D	1	12/10/12	JL	n/a	n/a	V7V926
D41668-8	7V17058.D	1	12/10/12	JL	n/a	n/a	V7V926

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-8, D41669-9, D41669-10, D41669-11, D41669-13

CAS No.	Compound	D41668-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	45.6	91	46.4	93	2	62-130/30
100-41-4	Ethylbenzene	ND		50	48.1	96	48.2	96	0	63-130/30
108-88-3	Toluene	ND		50	48.8	98	48.8	98	0	60-130/30
1330-20-7	Xylene (total)	ND		150	149	99	149	99	0	67-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D41668-8	Limits
17060-07-0	1,2-Dichloroethane-D4	96%	93%	93%	62-130%
2037-26-5	Toluene-D8	99%	98%	97%	70-130%
460-00-4	4-Bromofluorobenzene	97%	95%	91%	69-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D41670-5MS	3V22060.D	1	12/10/12	BR	n/a	n/a	V3V1289
D41670-5MSD	3V22061.D	1	12/10/12	BR	n/a	n/a	V3V1289
D41670-5	3V22059.D	1	12/10/12	BR	n/a	n/a	V3V1289

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-12

CAS No.	Compound	D41670-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	52.9	106	52.5	105	1	62-130/30
100-41-4	Ethylbenzene	ND		50	52.8	106	52.6	105	0	63-130/30
108-88-3	Toluene	ND		50	51.7	103	51.1	102	1	60-130/30
1330-20-7	Xylene (total)	ND		150	160	107	158	105	1	67-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D41670-5	Limits
17060-07-0	1,2-Dichloroethane-D4	111%	114%	111%	62-130%
2037-26-5	Toluene-D8	104%	105%	104%	70-130%
460-00-4	4-Bromofluorobenzene	97%	93%	88%	69-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D41669-3MS	7V17085.D	1	12/11/12	JL	n/a	n/a	V7V927
D41669-3MSD	7V17086.D	1	12/11/12	JL	n/a	n/a	V7V927
D41669-3	7V17084.D	1	12/11/12	JL	n/a	n/a	V7V927

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-1, D41669-2, D41669-3, D41669-5, D41669-6, D41669-7

CAS No.	Compound	D41669-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	45.5	91	45.6	91	0	62-130/30
100-41-4	Ethylbenzene	ND		50	47.1	94	47.2	94	0	63-130/30
108-88-3	Toluene	ND		50	47.9	96	48.3	97	1	60-130/30
1330-20-7	Xylene (total)	ND		150	146	97	147	98	1	67-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D41669-3	Limits
17060-07-0	1,2-Dichloroethane-D4	94%	94%	91%	62-130%
2037-26-5	Toluene-D8	98%	98%	98%	70-130%
460-00-4	4-Bromofluorobenzene	96%	96%	92%	69-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D41669
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D41671-7MS [a]	7V17102.D	1	12/11/12	JL	n/a	n/a	V7V928
D41671-7MSD [a]	7V17103.D	1	12/11/12	JL	n/a	n/a	V7V928
D41671-7 [a]	7V17101.D	1	12/11/12	JL	n/a	n/a	V7V928

The QC reported here applies to the following samples: **Method:** SW846 8260B

D41669-4

CAS No.	Compound	D41671-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	45.5	91	45.3	91	0	62-130/30
100-41-4	Ethylbenzene	ND		50	47.4	95	47.5	95	0	63-130/30
108-88-3	Toluene	ND		50	47.7	95	48.2	96	1	60-130/30
1330-20-7	Xylene (total)	ND		150	147	98	149	99	1	67-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D41671-7	Limits
17060-07-0	1,2-Dichloroethane-D4	92%	92%	91%	62-130%
2037-26-5	Toluene-D8	97%	97%	97%	70-130%
460-00-4	4-Bromofluorobenzene	96%	96%	92%	69-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

* = Outside of Control Limits.

Appendix B

Historical Analytical Results

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
HOBBS 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	9/15/2005	**0.017**	<0.54	0.047	0.066	
MW-3	6/21/2006	0.0018	<0.54	0.14	0.089	
MW-3	9/21/2009	<0.00050	<0.00043	0.0123	0.0031	
MW-3	9/14/2005	0.0025	<0.54	0.24	0.17	
MW-3	6/27/2007	0.0012	<0.00054	0.207	0.0977	
MW-3	9/14/2010	<0.00030	<0.0010	0.0134	-	
MW-3	3/29/2011	NS	NS	NS	NS	
MW-3	9/16/2011	<0.001	<0.002	0.0246	0.0135	
MW-3	12/6/2011	NS	NS	NS	NS	
MW-3	3/9/2012	<0.001	<0.002	0.0019	<0.004	
MW-3	6/6/2012	NS	NS	NS	NS	
MW-3	9/6/2012	<0.001	<0.002	0.0022	0.0023	
MW-3	12/5/2012	NS	NS	NS	NS	
MW-5	9/14/2005	<0.47	<0.54	<0.48	<2.0	
MW-5	6/21/2006	<0.23	<0.54	<0.48	<1.1	
MW-5	6/27/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-5	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-5	9/14/2010	<0.00030	<0.0010	<0.00030	-	
MW-5	3/29/2011	NS	NS	NS	NS	
MW-5	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-5	12/6/2011	NS	NS	NS	NS	
MW-5	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-5	6/6/2012	NS	NS	NS	NS	
MW-5	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-5	12/5/2012	NS	NS	NS	NS	
MW-6	6/21/2006	<0.23	<0.54	<0.48	<1.1	
MW-6	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-6	9/14/2005	<0.47	<0.54	<0.48	<2.0	
MW-6	6/27/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-6	9/14/2010	<0.00030	<0.0010	<0.00030	-	
MW-6	3/29/2011	NS	NS	NS	NS	
MW-6	9/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-6	12/6/2011	NS	NS	NS	NS	
MW-6	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-6	6/6/2012	NS	NS	NS	NS	
MW-6	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-6	12/5/2012	NS	NS	NS	NS	

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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-7	6/21/2006	<0.23	<0.54	<0.48	<1.1	
MW-7	6/27/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-7	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-7	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-7	9/29/2010	<0.00030	<0.0010	<0.00030	-	
MW-7	3/29/2011	NS	NS	NS	NS	
MW-7	9/16/2011	NS	NS	NS	NS	
MW-7	12/6/2011	NS	NS	NS	NS	
MW-7	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-7	6/6/2012	NS	NS	NS	NS	
MW-7	9/6/2012	NS	NS	NS	NS	
MW-7	12/5/2012	NS	NS	NS	NS	
MW-10	6/21/2006	**0.62**	0.02	0.19	0.26	
MW-10	6/27/2007	**0.42**	0.0037	0.221	0.31	
MW-10	9/21/2009	**0.0813**	<0.0022	0.343	0.0115	
MW-10	9/14/2010	**0.123**	<0.0050	0.274	-	
MW-10	3/29/2011	NS	NS	NS	NS	
MW-10	9/16/2011	**0.213**	<0.01	0.135	<0.02	Duplicate sample collected
MW-10	12/6/2011	NS	NS	NS	NS	
MW-10	3/9/2012	NS	NS	NS	NS	
MW-10	6/6/2012	NS	NS	NS	NS	
MW-10	9/6/2012	NS	NS	NS	NS	
MW-10	12/5/2012	NS	NS	NS	NS	

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SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
HOBBS 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-14	3/29/2011	0.0901	0.0041	<0.002	<0.002	
MW-14	6/21/2011	0.187	<0.002	<.0043	<0.004	
MW-14	3/29/2011	<0.001	<0.002	0.0039	<0.002	
MW-14	6/21/2011	0.0048	<0.002	0.0012	<0.004	
MW-14	3/23/2005	**0.085**	<0.40	0.024	0.0043	
MW-14	3/28/2006	**0.022**	<0.54	0.0068	0.0026	
MW-14	6/21/2006	**0.014**	0.00095	0.005	0.0042	
MW-14	9/27/2006	**0.18**	0.013	0.015	0.026	
MW-14	12/20/2006	**0.5**	0.021	0.029	0.059	
MW-14	9/6/2007	**0.603**	0.00088	0.0194	0.0243	
MW-14	11/28/2007	**0.431**	<0.0027	0.0155	0.0075	
MW-14	3/6/2008	**0.627**	<0.0024	0.0372	0.0228	
MW-14	12/2/2008	**0.38**	<0.00048	0.0172	<0.0014	
MW-14	3/9/2009	**0.341**	<0.00048	0.017	<0.0014	
MW-14	5/26/2009	**0.285**	<0.0024	0.0104	<0.0068	
MW-14	9/21/2009	**0.205**	<0.00043	0.008	<0.0017	
MW-14	12/20/2009	**0.165**	<0.00043	0.0037	<0.0017	
MW-14	6/8/2005	**0.48**	0.0041	0.073	0.013	
MW-14	9/14/2005	**0.077**	<0.54	0.0088	<2.0	
MW-14	12/13/2005	**0.045**	<0.54	0.0099	0.003	
MW-14	3/29/2007	**0.881**	0.0116	0.0368	0.0809	
MW-14	6/27/2007	**1.11**	0.0112	0.0421	0.104	
MW-14	9/14/2010	**0.11**	<0.0010	0.0024	-	
MW-14	3/9/2010	<0.40	<1.0	<1.0	-	
MW-14	6/14/2010	**0.081**	<1.0	0.0017	-	
MW-14	12/7/2010	**0.118**	<0.0010	0.002	-	
MW-14	3/29/2011	**0.0901**	<0.0010	0.0041	0.0011	
MW-14	3/29/2011	0.0901	0.0041	<0.002	<0.002	
MW-14	6/21/2011	**0.187**	<0.0010	0.0043	<0.0020	
MW-14	6/21/2011	0.187	<0.002	<.0043	<0.004	
MW-14	9/15/2011	**0.15**	<0.002	0.0024	<0.004	
MW-14	12/6/2011	**0.0787**	<0.002	0.0017	<0.004	Duplicate sample collected
MW-14	3/9/2012	**0.0523**	<0.002	0.00066	<0.004	
MW-14	6/6/2012	**0.0335**	<0.002	0.00064	<0.003	
MW-14	9/6/2012	**0.105**	<0.002	0.0012	<0.003	
MW-14	12/5/2012	**0.129**	<0.002	0.00081	<0.003	

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SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
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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-15	3/23/2005	<0.40	<0.40	<0.40	<0.80	
MW-15	6/8/2005	<0.40	0.0048	0.0034	<0.80	
MW-15	9/14/2005	<0.47	<0.54	0.0022	<2.0	
MW-15	12/13/2005	<0.47	<0.54	<0.48	<2.0	
MW-15	3/28/2006	<0.23	<0.54	0.0049	<1.1	
MW-15	6/21/2006	<0.23	<0.54	0.02	0.0038	
MW-15	9/27/2006	0.002	<0.54	<0.48	<1.1	
MW-15	12/20/2006	<0.23	<0.54	<0.48	<1.1	
MW-15	3/29/2007	0.0012	<0.00054	0.0045	<0.0011	
MW-15	6/27/2007	0.00042	<0.00054	0.0014	<0.0011	
MW-15	9/6/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-15	11/28/2007	<0.0012	<0.0027	<0.0024	<0.0055	
MW-15	3/6/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-15	12/2/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-15	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-15	5/26/2009	0.0024	<0.00048	0.0413	<0.0014	
MW-15	9/21/2009	0.0033	<0.00043	0.0501	<0.0017	
MW-15	12/20/2009	0.00093	<0.00043	0.0137	<0.0017	
MW-15	9/14/2010	0.00075	<0.0010	0.0015	-	
MW-15	3/9/2010	0.0041	<1.0	0.099	-	
MW-15	6/14/2010	0.0055	<1.0	0.16	-	
MW-15	12/7/2010	<0.00030	<0.0010	0.0011	-	
MW-15	3/29/2011	0.00035	<0.0010	0.0039	0.0012	
MW-15	3/29/2011	<0.001	<0.002	0.0039	<0.002	
MW-15	6/21/2011	0.0048	<0.0010	0.0012	<0.0020	
MW-15	6/21/2011	0.0048	<0.002	0.0012	<0.004	
MW-15	9/15/2011	0.0054	<0.002	0.0124	<0.004	
MW-15	12/6/2011	0.0053	<0.002	0.0106	<0.004	
MW-15	3/9/2012	0.0059	<0.002	0.0097	<0.004	Duplicate-1 sample collected
MW-15	6/6/2012	0.0041	<0.002	<0.002	<0.003	Duplicate sample collected
MW-15	9/6/2012	0.0033	<0.002	<0.002	<0.003	Duplicate-1 sample collected
MW-15	12/5/2012	0.0027	<0.002	<0.002	<0.003	Duplicate sample collected

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SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
HOBBS BOOSTER STATION
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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-16	3/23/2005	<0.40	<0.40	<0.40	<0.80	
MW-16	3/28/2006	<0.23	<0.54	<0.48	<1.1	
MW-16	6/21/2006	<0.23	<0.54	<0.48	<1.1	
MW-16	9/27/2006	<0.23	<0.54	<0.48	<1.1	
MW-16	12/20/2006	<0.23	<0.54	<0.48	<1.1	
MW-16	9/6/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-16	11/28/2007	<0.0012	<0.0027	<0.0024	<0.0055	
MW-16	3/6/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-16	12/2/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-16	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-16	5/26/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-16	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-16	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-16	6/8/2005	<0.40	0.013	<0.40	<0.80	
MW-16	9/14/2005	<0.47	<0.54	<0.48	<2.0	
MW-16	12/13/2005	<0.47	<0.54	<0.48	<2.0	
MW-16	3/29/2007	0.00043	<0.00054	<0.00048	<0.0011	
MW-16	6/27/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-16	9/14/2010	<0.00030	<0.0010	<0.00030	-	
MW-16	3/9/2010	**0.15**	<1.0	0.0028	-	
MW-16	6/14/2010	<0.30	<1.0	<0.30	-	
MW-16	12/7/2010	<0.00030	<0.0010	<0.00030	-	
MW-16	3/29/2011	<0.00030	<0.0010	<0.00030	0.0012	
MW-16	3/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-16	6/21/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-16	6/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-16	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-16	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-16	12/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-18	6/21/2006	**0.013**	0.0017	0.031	0.023	
MW-18	12/2/2008	**0.0216**	<0.00048	0.0221	0.0183	
MW-18	9/21/2009	**0.0445**	0.0026	0.0297	0.0264	
MW-18	6/27/2007	**0.0214**	0.0016	0.0475	0.0178	

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SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
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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-19	3/23/2005	0.0019	<0.40	<0.40	<0.80	
MW-19	3/28/2006	<0.23	<0.54	<0.48	<1.1	
MW-19	6/21/2006	<0.23	<0.54	<0.48	<1.1	
MW-19	12/20/2006	0.0007	<0.54	<0.48	<1.1	
MW-19	9/6/2007	0.00053	<0.00054	<0.00048	<0.0011	
MW-19	11/28/2007	0.00054	<0.00054	<0.00048	<0.0011	
MW-19	3/6/2008	0.00054	<0.00048	<0.00045	<0.0014	
MW-19	12/2/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-19	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-19	5/26/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-19	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	6/8/2005	0.0012	0.00072	<0.40	<0.80	
MW-19	9/14/2005	<0.47	<0.54	<0.48	<2.0	
MW-19	12/13/2005	<0.47	<0.54	<0.48	<2.0	
MW-19	3/29/2007	0.00075	<0.00054	<0.00048	<0.0011	
MW-19	6/27/2007	0.00071	<0.00054	<0.00048	<0.0011	
MW-19	9/14/2010	0.00036	<0.0010	<0.00030	-	
MW-19	3/9/2010	0.00051	<1.0	<1.0	-	
MW-19	6/14/2010	<0.30	<1.0	<0.30	-	
MW-19	12/7/2010	<0.00030	<0.0010	0.00068	-	
MW-19	3/29/2011	<0.00030	<0.0010	<0.00030	0.0008	
MW-19	3/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-19	6/21/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-19	6/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-19	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-19	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-19	12/5/2012	<0.001	<0.002	<0.002	<0.003	

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
HOBBS 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-19D	6/21/2006	0.0011	<0.54	<0.48	<1.1	
MW-19D	3/23/2005	0.00073	<0.40	<0.40	<0.80	
MW-19D	3/28/2006	<0.23	<0.54	<0.48	<1.1	
MW-19D	9/27/2006	<0.23	<0.54	<0.48	<1.1	
MW-19D	12/20/2006	0.0018	<0.54	0.00074	<1.1	
MW-19D	9/6/2007	0.00072	<0.00054	<0.00048	<0.0011	
MW-19D	11/28/2007	0.00093	<0.00054	<0.00048	<0.0011	
MW-19D	3/6/2008	0.001	<0.00048	<0.00045	<0.0014	
MW-19D	12/2/2008	0.0016	<0.00048	<0.00045	<0.0014	
MW-19D	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-19D	5/26/2009	0.00074	<0.00048	<0.00045	<0.0014	
MW-19D	9/21/2009	0.0011	<0.00043	<0.00055	<0.0017	
MW-19D	12/20/2009	0.0009	<0.00043	<0.00055	<0.0017	
MW-19D	6/8/2005	0.0011	0.0012	<0.40	<0.80	
MW-19D	9/14/2005	<0.47	<0.54	<0.48	<2.0	
MW-19D	3/29/2007	0.0007	<0.00054	<0.00048	<0.0011	
MW-19D	6/27/2007	0.00074	<0.00054	<0.00048	<0.0011	
MW-19D	12/13/2005	<0.47	<0.54	<0.48	<2.0	
MW-19D	9/14/2010	0.00086	<0.0010	<0.00030	-	
MW-19D	3/9/2010	0.0009	<1.0	<1.0	-	
MW-19D	6/14/2010	0.00037	<1.0	<0.30	-	
MW-19D	12/7/2010	0.00085	<0.0010	<0.00030	-	
MW-19D	3/29/2011	0.00091	<0.0010	<0.00030	0.00074	
MW-19D	3/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-19D	6/21/2011	0.00056	<0.0010	<0.00050	<0.0020	
MW-19D	6/21/2011	.0006 J	<0.002	<0.002	<0.004	
MW-19D	9/15/2011	0.0014	<0.002	<0.002	<0.004	
MW-19D	12/6/2011	0.0015	<0.002	<0.002	<0.004	
MW-19D	3/9/2012	0.0015	<0.002	<0.002	<0.004	Duplicate-2 sample collected
MW-19D	6/6/2012	0.00079	<0.002	<0.002	<0.003	
MW-19D	9/6/2012	0.00072	<0.002	<0.002	<0.003	Duplicate-2 sample collected
MW-19D	12/5/2012	0.0030	<0.002	0.00069	<0.003	
MW-19S	9/27/2006	<0.23	<0.54	<0.48	<1.1	

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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-20	3/23/2005	<0.40	<0.40	<0.40	<0.80	
MW-20	3/28/2006	<0.23	<0.54	<0.48	<1.1	
MW-20	6/21/2006	<0.23	<0.54	<0.48	<1.1	
MW-20	9/27/2006	<0.23	<0.54	<0.48	<1.1	
MW-20	12/20/2006	0.00028	<0.54	<0.48	<1.1	
MW-20	9/6/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-20	11/28/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-20	3/6/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-20	12/2/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-20	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-20	5/26/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-20	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-20	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-20	6/8/2005	<0.40	<0.40	<0.40	<0.80	
MW-20	9/14/2005	<0.47	<0.54	<0.48	<2.0	
MW-20	12/13/2005	<0.47	<0.54	<0.48	<2.0	
MW-20	3/29/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-20	6/27/2007	0.00033	<0.00054	<0.00048	<0.0011	
MW-20	9/14/2010	<0.00030	<0.0010	<0.00030	-	
MW-20	3/9/2010	<0.40	<1.0	<1.0	-	
MW-20	6/14/2010	<0.30	<1.0	<0.30	-	
MW-20	12/7/2010	<0.00030	<0.0010	<0.00030	-	
MW-20	3/29/2011	<0.00030	<0.0010	<0.00030	0.0006	
MW-20	3/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-20	6/21/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-20	6/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	3/9/2012	0.00033	<0.002	<0.002	<0.004	
MW-20	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-20	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-20	12/5/2012	<0.001	<0.002	<0.002	<0.003	

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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-21	3/23/2005	<0.40	<0.40	<0.40	<0.80	
MW-21	3/28/2006	<0.23	<0.54	<0.48	<1.1	
MW-21	6/21/2006	<0.23	<0.54	<0.48	<1.1	
MW-21	9/27/2006	<0.23	<0.54	<0.48	<1.1	
MW-21	12/20/2006	<0.23	<0.54	<0.48	<1.1	
MW-21	9/6/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-21	11/28/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-21	3/6/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-21	12/2/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-21	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-21	5/26/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-21	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-21	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-21	6/8/2005	<0.40	<0.40	<0.40	<0.80	
MW-21	9/14/2005	<0.47	<0.54	<0.48	<2.0	
MW-21	12/13/2005	<0.47	<0.54	<0.48	<2.0	
MW-21	3/29/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-21	6/27/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-21	9/14/2010	<0.00030	<0.0010	<0.00030	-	
MW-21	3/9/2010	<0.40	<1.0	<1.0	-	
MW-21	6/14/2010	<0.30	<1.0	<0.30	-	
MW-21	12/7/2010	<0.00030	<0.0010	<0.00030	-	
MW-21	3/29/2011	<0.00030	<0.0010	<0.00030	0.00076	
MW-21	3/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-21	6/21/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-21	6/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-21	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-21	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-21	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-21	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-21	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-21	12/5/2012	<0.001	<0.002	<0.002	<0.003	

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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-22	3/23/2005	0.0013	<0.40	<0.40	<0.80	
MW-22	6/8/2005	<0.40	0.0025	0.00073	0.0021	
MW-22	9/14/2005	0.0066	<0.54	<0.48	<2.0	
MW-22	12/13/2005	0.0059	<0.54	<0.48	<2.0	
MW-22	3/28/2006	0.006	<0.54	<0.48	<1.1	
MW-22	6/21/2006	0.0034	<0.54	0.00054	<1.1	
MW-22	9/27/2006	<0.23	<0.54	<0.48	<1.1	
MW-22	12/20/2006	0.00089	<0.54	<0.48	<1.1	
MW-22	3/29/2007	0.00067	<0.00054	<0.00048	<0.0011	
MW-22	6/27/2007	0.00076	<0.00054	<0.00048	<0.0011	
MW-22	9/6/2007	<0.00023	<0.00054	<0.00048	<0.0011	
MW-22	11/28/2007	0.001	<0.00054	<0.00048	<0.0011	
MW-22	3/6/2008	0.0015	<0.00048	<0.00045	<0.0014	
MW-22	12/2/2008	0.0064	<0.00048	<0.00045	<0.0014	
MW-22	3/9/2009	0.0048	<0.00048	<0.00045	0.0043	
MW-22	5/26/2009	0.0046	<0.00048	0.00069	0.002	
MW-22	9/21/2009	0.0026	<0.00043	<0.00055	<0.0017	
MW-22	12/20/2009	0.0028	<0.00043	<0.00055	<0.0017	
MW-22	3/29/2011	0.0034	<0.002	<0.002	0.0022	
MW-22	6/21/2011	0.0041	<0.002	.0005 J	<0.004	
MW-22	9/15/2011	0.0037	<0.002	<0.002	<0.004	
MW-22	12/6/2011	0.0028	<0.002	<0.002	<0.004	
MW-22	3/9/2012	0.0034	<0.002	0.00046	<0.004	
MW-22	6/6/2012	0.0031	<0.002	0.00045	<0.003	
MW-22	9/6/2012	0.0021	<0.002	<0.002	<0.003	
MW-22	12/5/2012	0.0033	<0.002	0.00055	0.0031	
MW-23	12/2/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-23	3/9/2009	0.00049	<0.00048	<0.00045	<0.0014	
MW-23	5/26/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-23	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-23	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-23	9/14/2010	<0.00030	<0.0010	<0.00030	-	
MW-23	3/9/2010	<0.40	<1.0	<1.0	-	
MW-23	6/14/2010	<0.30	<1.0	<0.30	-	
MW-23	12/7/2010	<0.00030	<0.0010	<0.00030	-	
MW-23	3/29/2011	<0.00030	<0.0010	<0.00030	0.00063	
MW-23	3/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-23	6/21/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-23	6/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-23	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-23	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-23	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-23	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-23	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-23	12/5/2012	<0.001	<0.002	<0.002	<0.003	

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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-24	12/2/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-24	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-24	5/26/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-24	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-24	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-24	9/14/2010	<0.00030	<0.0010	<0.00030	-	
MW-24	3/9/2010	<0.40	<1.0	<1.0	-	
MW-24	6/14/2010	<0.30	<1.0	<0.30	-	
MW-24	12/7/2010	<0.00030	<0.0010	<0.00030	-	
MW-24	3/29/2011	<0.00030	<0.0010	<0.00030	<0.00060	
MW-24	3/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-24	6/21/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-24	6/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-24	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-24	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-24	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-24	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-24	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-24	12/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-25	12/2/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-25	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-25	5/26/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-25	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-25	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-25	9/14/2010	<0.00030	<0.0010	<0.00030	-	
MW-25	3/9/2010	<0.40	<1.0	<1.0	-	
MW-25	6/14/2010	<0.30	<1.0	<0.30	-	
MW-25	12/7/2010	<0.00030	<0.0010	<0.00030	-	
MW-25	3/29/2011	<0.00030	<0.0010	<0.00030	0.00099	
MW-25	3/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-25	6/21/2011	<0.00025	<0.0010	<0.00050	<0.0020	
MW-25	6/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-25	9/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-25	12/6/2011	<0.001	<0.002	<0.002	<0.004	
MW-25	3/9/2012	<0.001	<0.002	<0.002	<0.004	
MW-25	6/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-25	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-25	12/5/2012	<0.001	<0.002	<0.002	<0.003	

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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-A	6/25/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-A	9/1/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-A	11/17/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-A	3/25/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-A	6/8/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-A	9/21/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-A	12/16/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-A	3/11/2011	<0.00050	<0.00043	<0.00055	<0.0017	
MW-A	6/14/2011	<0.00025	<0.00026	<0.00025	<0.00071	
MW-A	9/27/2011	<0.00025	<0.00026	<0.00025	<0.00071	
MW-A	12/13/2011	<0.00025	<0.00026	<0.00025	<0.00071	
MW-A	6/19/2012	<0.00025	<0.00026	<0.00025	<0.00071	
MW-A	3/27/2012	<0.00025	<0.00026	<0.00025	<0.00071	
MW-B	6/25/2009	**1.49**	0.27	0.411	**2.75**	
MW-B	9/1/2009	**1.42**	0.195	0.38	**2.93**	
MW-B	11/17/2009	**0.199**	0.0029	0.0685	0.159	
MW-B	3/25/2010	**0.199**	0.0078	0.112	0.375	
MW-B	6/8/2010	**0.438**	0.0202	0.161	**0.836**	
MW-B	9/21/2010	**0.572**	0.0217	0.167	**0.885**	
MW-B	12/16/2010	**0.154**	0.0146	0.0528	0.239	
MW-B	3/11/2011	**0.36**	0.0199	0.175	**0.742**	
MW-B	6/14/2011	**0.295**	0.0092	0.135	0.584	
MW-B	9/27/2011	**0.225**	0.0008	0.147	0.464	
MW-B	12/13/2011	**0.357**	0.01	0.157	0.581	
MW-C	6/25/2009	**0.0543**	0.00072	0.0119	0.053	
MW-C	9/1/2009	**0.0828**	0.0013	0.0231	0.132	
MW-C	11/17/2009	**0.03**	<0.00043	0.0093	0.053	
MW-C	3/25/2010	**0.0482**	0.003	0.0169	0.141	
MW-C	6/8/2010	**0.0204**	0.0011	0.0085	0.0523	
MW-C	9/21/2010	**0.124**	0.0031	0.0504	0.276	
MW-C	12/16/2010	**0.0107**	0.00059	0.0051	0.0252	
MW-C	3/11/2011	**0.0958**	0.0057	0.0424	0.235	
MW-C	6/14/2011	**0.066**	0.0028	0.0298	0.145	
MW-C	9/27/2011	**0.0403**	0.00073	0.0199	0.0944	
MW-C	12/13/2011	**0.112**	0.0043	0.0298	0.2	
MW-C	6/19/2012	**0.0668**	0.0019	0.0201	0.135	
MW-C	3/27/2012	**0.037**	0.0012	0.0114	0.0758	

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
HOBBS 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-D	6/25/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-D	9/1/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-D	11/17/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-D	3/25/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-D	6/8/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-D	9/21/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-D	12/16/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-D	3/11/2011	<0.00050	<0.00043	<0.00055	<0.0017	
MW-D	6/14/2011	<0.00025	<0.00026	<0.00025	<0.00071	
MW-D	9/27/2011	<0.00025	<0.00026	<0.00025	<0.00071	
MW-D	12/13/2011	<0.00025	<0.00026	<0.00025	<0.00071	
MW-D	6/19/2012	<0.00025	<0.00026	<0.00025	<0.00071	
MW-D	3/27/2012	<0.00025	<0.00026	<0.00025	<0.00071	
MW-F	6/25/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-F	9/1/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-F	11/17/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-F	3/25/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-F	6/8/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-F	9/21/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-F	12/16/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-F	3/11/2011	<0.00050	<0.00043	<0.00055	<0.0017	
MW-F	6/14/2011	<0.00025	<0.00026	<0.00025	<0.00071	
MW-F	9/27/2011	<0.00025	<0.00026	<0.00025	<0.00071	
MW-F	12/13/2011	<0.00025	<0.00026	<0.00025	<0.00071	
MW-F	6/19/2012	<0.00025	<0.00026	<0.00025	<0.00071	
MW-F	3/27/2012	<0.00025	<0.00026	<0.00025	<0.00071	
SP-1	3/19/2008	0.00075	<0.00048	<0.00045	<0.0014	
SP-2	3/19/2008	0.0042	0.005	<0.00045	<0.0014	
SP-3	3/19/2008	0.0012	0.0015	<0.00045	<0.0014	

Notes:

1.) The environmental cleanup standards for groundwater that are applicable to this Site are the New Mexico Water Quality Control Commission

2.) Data presented for all other well locations includes previous four sampling events, when available. Historic groundwater analytical results for **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

NS = Not sampled.

mg/L = milligrams per liter.