AP-114

3rd Qtr. GW Mon.Rep. Hobbs Booster Stn.

November 2014

From:	Weathers, Stephen W
To:	Lowe, Leonard, EMNRD
Cc:	Oberding, Tomas, EMNRD
Subject:	DCP Midstream Hobbs Booster Station (AP-114) 3rd Q 2014 Groundwater Monitoring Report
Date:	Monday, November 10, 2014 8:02:45 AM
Attachments:	OCDHobbBoosterGWLtr11-10-14.doc Hobbs_3Q14_GW Report_Final.pdf

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Mr. Lowe

Attached you will find the 3rd Q 2014 Hobbs Booster Groundwater Monitoring Report and the associated cover letter.

If you have any questions or concerns, please give me a call.

Thanks

Stephen W Weathers, P.G.
Principal Environmental Specialist
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DCP Midstream
370 17th Street, Suite 2500
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303-595-3331
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November 10, 2014

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

RE: 3rd Quarter 2014 Groundwater Monitoring Results
Hobbs Booster Station, Lea County New Mexico (AP-114)
Unit C and D, Section 4, Township 19 South, Range 38 East

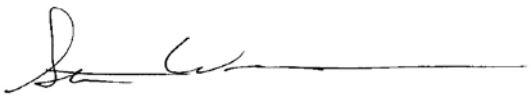
Dear Mr. Lowe:

DCP Midstream, LP (DCP), is pleased to submit for your review, a one copy of the 3rd Quarter 2014 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: Tomas Oberding, Hobbs District (Via Email)
Environmental Files

Third Quarter 2014 Groundwater Monitoring 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

October 31, 2014

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1. Introduction

This report summarizes the remediation system activities and results of groundwater monitoring activities conducted during the third quarter 2014, at the Hobbs Booster Station (Site) in Lea County, New Mexico (Figure 1). Tasman Geosciences, LLC (Tasman) performed these activities on behalf of DCP Midstream, LP (DCP). The groundwater monitoring activities described herein were conducted to monitor the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons, measure groundwater levels, obtain groundwater samples for laboratory analysis, and evaluate groundwater flow and quality conditions. Field data and laboratory analytical results from field efforts conducted on September 22 to 24, 2014 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 approximately 32.414 degrees north and 103.092 degrees west. This facility is no longer used as an active gas compression facility; 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 in 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 are present at the Site. There are 28 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 historically high levels of LNAPL. Additionally, the Site operates a groundwater air sparge curtain 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 performed during the third quarter 2014 monitoring event on September 22 to 24, 2014. Monitoring activities included Site-wide groundwater gauging, LNAPL measurements, groundwater purging and sampling, and subsequent packaging and shipping of the samples for laboratory analysis. 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. During the third

quarter 2014 monitoring event groundwater and LNAPL levels, where present, were measured at 30 monitoring well locations.

The monitoring 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 and LNAPL elevations collected during the reporting period as well as historic elevations are presented in Table 1. A third quarter 2014 groundwater elevation map, included as Figure 3, indicates that groundwater flow at the Site trends to the east. Groundwater elevations ranges, average elevation change from the previous monitoring event, and the calculated hydraulic gradient at the Site are summarized in the table below.

Summary of Measured Hydraulic Parameters

	Third Quarter 2014 (9/22/14 – 9/24/14)
Maximum Elevation (Well ID)	3574.61 (MW-6)
Minimum Elevation (Well ID)	3565.65 (MW-19D)
Average Change from Previous Monitoring Event – All Wells	0.09 foot
Hydraulic Gradient (ft/ft) / (Well IDs)	0.0046 (MW-6 to MW-19D)

LNAPL was detected in twelve of the measured groundwater monitoring wells with thicknesses ranging between 0.02 feet in MW-18 to 5.63 feet in MW-9. Calculated groundwater elevation data in these wells were corrected to account for LNAPL thickness.

Groundwater and/or LNAPL measurements were not obtained from select monitoring points as summarized below:

- TW-K: Probe malfunction
- TW-N: Not accessible due to ongoing construction work
- TW-Q: Well cannot be located – presumed destroyed
- TW-T: Casing bent – requires repair (LNAPL present)
- TW-U: Probe malfunction (LNAPL present)
- TW-V: Casing bent – requires repair (LNAPL present)

3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements, groundwater samples were collected from select monitoring wells that did not contain measurable LNAPL. A minimum of three well casing volumes of groundwater (calculated from total depth of the well and groundwater level measurements) was then purged 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, packed in an ice-filled cooler and maintained at approximately four degrees Celsius (^{0}C) for transportation to the

laboratory. Groundwater samples were then shipped under chain-of-custody procedures to Accutest Laboratories (Accutest) in Wheat Ridge, Colorado, for analysis.

Third quarter 2014 water quality samples were collected from 14 monitoring wells on September 22 and 23, 2014. Additional monitoring wells were not sampled during the third quarter 2014 event due to the presence of LNAPL. These wells are reflected on Table 1.

Water quality samples were submitted to Accutest for benzene, toluene, ethylbenzene, and total xylenes (BTEX) analyses by United States Environmental Protection Agency (USEPA) Method 8260B.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the third quarter 2014. Analytical results are also displayed in Figure 4. Historic analytical results up to and including the third quarter 2014 event are contained in Appendix A and the laboratory analytical report is included in Appendix B.

Analytical results indicate that BTEX concentrations were below laboratory detection limits in 9 of the total 14 sampled wells. Detections were noted in MW-14 and MW-22 (as displayed on Figure 4); including benzene concentrations of 0.100 mg/l (0.0673 mg/l duplicate) at MW-14 and 0.0626 mg/l (0.062 mg/l duplicate) at MW-22.

3.3 Data Quality Assurance / Quality Control

A trip blank, matrix spike / matrix spike duplicate (MS/MSD) and 2 field duplicate samples (MW-14 and MW-22) 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. QA/QC items of note for the third quarter 2014 include the following:

- Target analytes were not detected in the trip blank.
- MW-14 and the associated duplicate sample exhibited benzene concentrations of 0.100 mg/l and 0.0673 mg/l, respectively, yielding a Relative Percentage Difference (RPD) of 39. The cause of the elevated RPD is not apparent based on evaluation of the laboratory batch and QC data, which do not indicate variability in the analysis of the two samples. Further, the reproducibility indicated by the MW-22 duplicate (see below) does not support elevated variability based on field conditions or collection practices. Although an elevated RPD exists, these results should be considered reflective of field conditions given that they are in-line with historic results and both values yield the same interpretation relative to NMWQCC groundwater standards.
- MW-22 and the associated duplicate sample exhibited benzene concentrations of 0.0626 mg/l and 0.0620 mg/l, respectively, yielding a RPD of <1. This result indicate very good correlation between the primary and duplicate samples.

The overall QA/QC assessment, based on the data review, indicates that overall data precision and accuracy are acceptable.

4. Remediation System Performance

This section includes a description of the active remediation system at the Site along with observations and modifications to the system components during the third quarter 2014. An evaluation of system performance is also provided based on collected information.

4.1 Remediation System Layout

The array of remediation wells and other infrastructure at the Site is referred to herein as the System. The System consists of 28 extraction wells, 22 Air Sparge (AS) wells, two (2) Soil Vapor Extraction (SVE) blowers, an AS blower, and ancillary piping and conveyance lines, as displayed on Figure 2.

The extraction wells, which are currently used for LNAPL recovery, are aligned along several north-south "legs." The AS wells are aligned east-west along the southern portion of the property to create an approximately 870-foot long "sparge curtain" intended to volatilize dissolved-phase constituents that enter the treatment zone.

Overall, the System covers an approximate 1,000 foot (east-west) by 800 foot (north-south) area, or approximately 18-acres.

4.2 Vacuum-Enhanced Extraction Observations

As referenced within the previous monitoring report, the SVE infrastructure at the Site was utilized to induce a minor vacuum upon the "Leg #3" extraction wells TW-O, TW-J, PW-FF, TW-C, MW-11, PW-EE, PW-DD, and PW-G. Vacuum was initiated on December 4, 2013 to evaluate the potential increased LNAPL recovery (using Spill Buster pumps) with the applied vacuum as opposed to without. Observations collected during the third quarter 2014 related to vacuum application at these wells include:

- The Spill Buster pumps use an automatic pump reel, and therefore it is not feasible to create a complete seal at the wellheads without obstructing the pump movement. The use of fernco-type fittings, however, allowed a minor vacuum to be applied to the subsurface.
- The SVE system operated continuously through June 25, 2014 on Leg #3. However, subsequent to the June 25, 2014 O&M event, vacuum was discontinued due to Spill Buster malfunctions as described in the following Section.
- Vacuum was not applied at the extraction wells during the third quarter 2014, however vacuum evaluation efforts may be revisited subsequent to Spill Buster repair.

4.3 LNAPL Recovery System Performance Evaluation

The LNAPL Recovery portion of the System includes 28 Magnum Spill Buster units (manufactured by Clean Earth Technology) which are installed at wells within the extraction well network. The full scale system has been operational since May 1, 2013. The recovery units were integrated into the existing LNAPL infrastructure which includes conveyance lines and a 100 barrel steel holding tank where recovered LNAPL is accumulated.

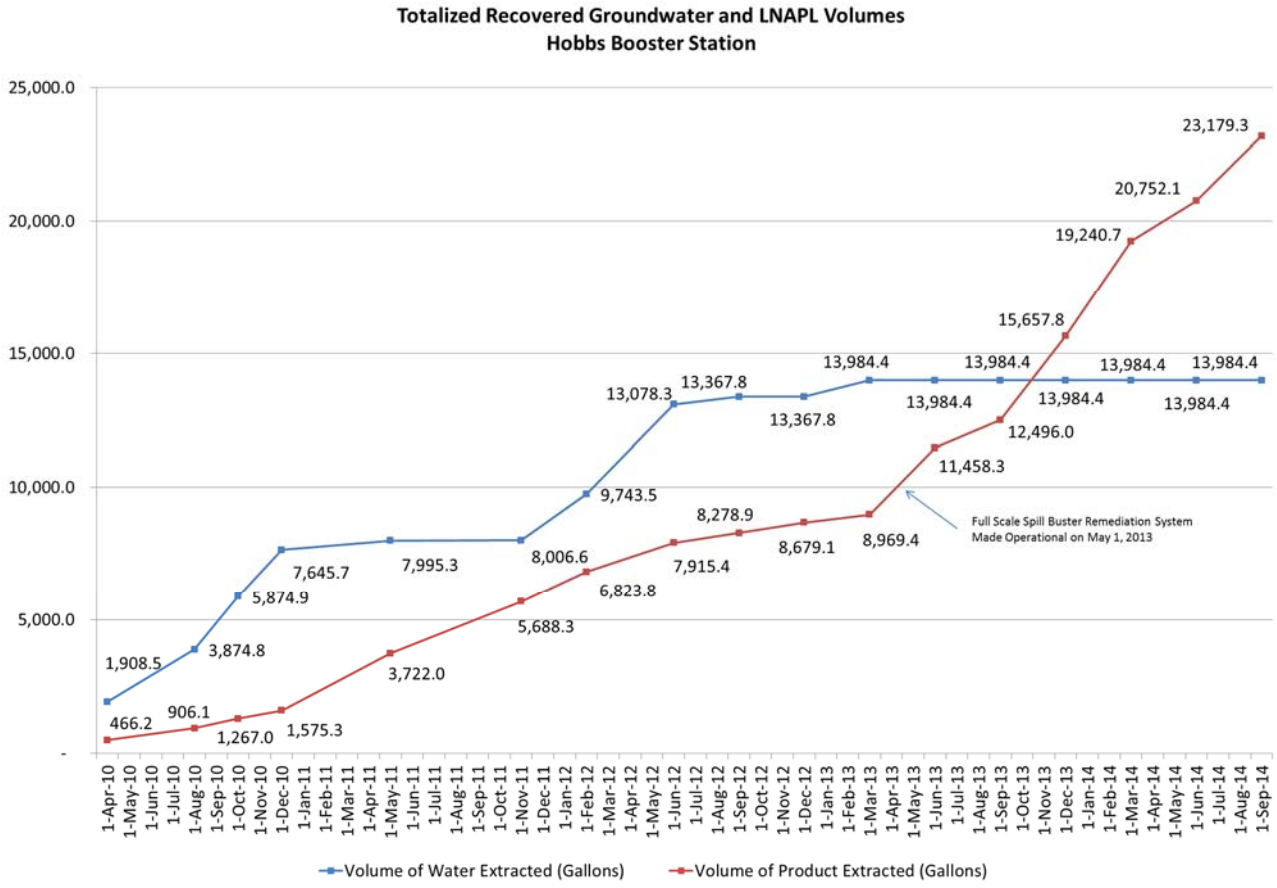
Specific measurements and observations associated with the LNAPL Recovery System include:

- A total volume of 2,427.2 gallons of LNAPL were recovered from the extraction wells during the third quarter 2014 (measured between June 27, 2014 and September 22, 2014).
- Subsequent to Spill Buster Installation, approximately **14,208 gallons** of LNAPL have been removed over **17 months** (May 2013 through September 2014) exhibiting extraction rates above those achieved with previous recovery efforts.
    - Product accumulation volumes for specific time periods are summarized in the Liquid Recovery Summary table below.
- During the previous quarter, it was reported that 11 of the Spill Buster pumps were determined to be faulty. During the course of the third quarter 2014, the faulty units were returned to the manufacturer for repair.
- Fifteen of the remaining active Spill Buster pumps were left in the automatic recovery setting at extraction wells PW-BB, MW-8, PW-KK, TW-B, PW-JJ, PW-II, MW-4, PW-FF, TW-C, MW-11, PW-EE, PW-DD, PW-G, TW-GG & MW-13.

Incremental and cumulative recovery volumes from April 2010 through September 22, 2014 are summarized in the table and graph below.

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
25-Mar-13	616.6	13,984.4	290.3	8,969.4
24-Jun-13	-	13,984.4	2,488.9	11,458.3
25-Sep-13	-	13,984.4	1,037.7	12,496.0
26-Dec-13	-	13,984.4	3,161.8	15,657.8
21-Mar-14	-	13,984.4	3,582.9	19,240.7
27-Jun-14	-	13,984.4	1,511.4	20,752.1
22-Sep-14	-	13,984.4	2,427.2	23,179.3



In addition to the above remediation efforts, a single solar-powered Spill Buster unit (and adjacent 500-gallon poly holding tank) was operated at monitoring well MW-12 during the third quarter 2014. Operation at MW-12 was initiated on December 18, 2013 and during the third quarter (June 27, 2014 to September, 2014) the Spill Buster at MW-12 removed **381 gallons** of LNAPL.

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 of 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 the effects of the AS system 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 dissolved phase hydrocarbon impacts are below the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards in the vicinity of MW-15.

5. Conclusions

This section of the report presents conclusions from the findings of third quarter 2014 groundwater monitoring and remediation system O&M activities.

- LNAPL recovery rates have continued to remain at increased levels following installation of the Spill Buster units and incidental groundwater recovery has been eliminated.
- The AS portion of the System appears to continue to prevent the migration of LNAPL and dissolved-phase impacts across the treatment zone.
- MW-14 continues to exhibit dissolved phase detections of benzene above the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards for benzene. However, adjacent monitoring points have not indicated continued migration of these impacts, thereby suggesting a relatively stable dissolved-phase petroleum hydrocarbon plume.
- MW-22 exhibited a benzene concentration (0.0626 mg/l) that is higher than the NMWQCC standard of 0.01 mg/l. The result indicates an additional increase from historic data at this point and this well will continue to be evaluated to determine if there is a sustained upward trend at this location.

6. Recommendations

Based on evaluation of current and historic data, the following recommendations for ongoing Site monitoring and remediation efforts have been developed:

- Continue quarterly and annual groundwater monitoring and sampling activities to monitor dissolved phase BTEX concentration and LNAPL trends.
- Continue operation, monitoring, and maintenance of the Spill Buster LNAPL extraction system.
- Install the 11 Spill Buster units that were returned to Clean Earth upon completion of repairs and evaluate the continued operation of those units.
- Recommence SVE operation on discrete legs of the LNAPL extraction system pending installation of repaired Spill Buster units.
- Continue to monitor the LNAPL extraction rate at MW-12. The solar unit may be relocated based on evaluation of extraction rate and LNAPL thickness at that location.
- Continue to evaluate MW-22 benzene values to determine if a trend is developing.

Tables

TABLE 1
THIRD QUARTER 2014
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*	09/10/2013	57.00	52.84	4.16	NM	3626.06	3572.18	-0.54
MW-1*	12/02/2013	57.03	52.57	4.46	NM	3626.06	3572.38	0.19
MW-1*	02/27/2014	57.17	52.82	4.35	NM	3626.06	3572.15	-0.22
MW-1*	06/03/2014	57.49	53.24	4.25	NM	3626.06	3571.76	-0.39
MW-1*	09/24/2014	57.30	53.30	4.00	NM	3626.06	3571.76	0.00
MW-2*	09/10/2013	50.65	47.43	3.22	NM	3623.14	3574.91	-0.12
MW-2*	12/02/2013	50.76	47.61	3.15	NM	3623.14	3574.74	-0.16
MW-2*	02/27/2014	50.98	47.84	3.14	NM	3623.14	3574.52	-0.23
MW-2*	06/25/2014	51.50	48.38	3.12	NM	3623.14	3573.98	-0.53
MW-2*	09/24/2014	51.05	48.15	2.90	NM	3623.14	3574.27	0.28
MW-3	09/10/2013	47.53			55.80	3623.01	3575.48	0.74
MW-3	12/02/2013	48.71			55.80	3623.01	3574.30	-1.18
MW-3	02/27/2014	48.95			NM	3623.01	3574.06	-0.24
MW-3	06/03/2014	49.40			55.80	3623.01	3573.61	-0.45
MW-3	09/22/2014	49.09			55.75	3623.01	3573.92	0.31
MW-5	09/10/2013	55.89			59.20	3629.16	3573.27	-0.40
MW-5	12/02/2013	55.58			59.20	3629.16	3573.58	0.31
MW-5	02/27/2014	56.19			NM	3629.16	3572.97	-0.61
MW-5	06/03/2014	56.58			59.26	3629.16	3572.58	-0.39
MW-5	09/22/2014	56.30			59.50	3629.16	3572.86	0.28
MW-6	09/10/2013	51.48			56.46	3626.93	3575.45	-0.29
MW-6	12/02/2013	51.64			56.46	3626.93	3575.29	-0.16
MW-6	02/27/2014	51.84			NM	3626.93	3575.09	-0.20
MW-6	06/03/2014	52.25			56.50	3626.93	3574.68	-0.41
MW-6	09/22/2014	52.32			56.46	3626.93	3574.61	-0.07
MW-7	09/10/2013	45.30			46.21	3621.40	3576.10	-0.94
MW-7	12/02/2013	45.22			46.21	3621.40	3576.18	0.08
MW-7	02/27/2014	45.50			NM	3621.40	3575.90	-0.28
MW-7	06/03/2014	DRY			44.42	3621.40	DRY	NM
MW-7	09/22/2014	DRY			45.28	3621.40	DRY	NM
MW-9*	09/10/2013	60.14	54.00	6.14	NM	3625.21	3569.68	-0.27
MW-9*	12/02/2013	60.21	54.12	6.09	NM	3625.21	3569.57	-0.11
MW-9*	02/27/2014	60.35	54.33	6.02	NM	3625.21	3569.38	-0.19
MW-9*	06/03/2014	60.69	54.78	5.91	NM	3625.21	3568.95	-0.42
MW-9*	09/24/2014	60.54	54.91	5.63	NM	3625.21	3568.89	-0.06
MW-10*	9/10/2013 (4)	50.13	49.79	0.34	58.28	3621.07	3571.20	-0.66
MW-10*	12/2/2013 (4)	50.73	50.59	0.14	58.28	3621.07	3570.45	-0.75
MW-10*	02/27/2014	52.50	48.88	3.62	NM	3621.07	3571.29	0.84
MW-10*	06/03/2014	52.92	49.38	3.54	NM	3621.07	3570.81	-0.48
MW-10*	09/24/2014	52.25	48.90	3.35	NM	3621.07	3571.33	0.53
MW-12*	09/10/2013	60.31	54.06	6.25	NM	3626.60	3570.98	-0.27
MW-12*	12/02/2013	NM	NM	NM	NM	3626.60	NM	NM
MW-12*	02/27/2014 (4)	NM	NM	NM	NM	3626.60	NM	NM
MW-12*	06/03/2014 (4)	NM	NM	NM	NM	3626.60	NM	NM
MW-12*	09/22/2014 (4)	56.81	56.49	0.32	62.51	3626.60	3570.03	NA
MW-14	09/10/2013	51.66			62.94	3621.42	3569.76	-0.14
MW-14	12/02/2013	51.80			62.94	3621.42	3569.62	-0.14
MW-14	02/27/2014	51.87			NM	3621.42	3569.55	-0.07
MW-14	06/03/2014	52.41			62.94	3621.42	3569.01	-0.54
MW-14	09/23/2014	52.36			62.76	3621.42	3569.06	0.05

TABLE 1
THIRD QUARTER 2014
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-15	09/10/2013	47.47			58.17	3619.39	3571.92	-0.37
MW-15	12/02/2013	47.61			58.17	3619.39	3571.78	-0.14
MW-15	02/27/2014	47.86			NM	3619.39	3571.53	-0.25
MW-15	06/03/2014	48.27			58.30	3619.39	3571.12	-0.41
MW-15	09/23/2014	47.49			58.37	3619.39	3571.90	0.78
MW-16	09/10/2013	47.51			56.35	3621.87	3574.36	-0.29
MW-16	12/02/2013	47.68			56.35	3621.87	3574.19	-0.17
MW-16	02/27/2014	47.94			NM	3621.87	3573.93	-0.26
MW-16	06/03/2014	48.39			56.35	3621.87	3573.48	-0.45
MW-16	09/22/2014	47.96			56.10	3621.87	3573.91	0.43
MW-17*	09/10/2013	56.65	55.85	0.80	NM	3623.94	3567.89	-0.32
MW-17*	12/02/2013	56.73	56.00	0.73	NM	3624.94	3568.76	0.87
MW-17*	02/27/2014	56.89	56.19	0.70	NM	3624.94	3568.58	-0.18
MW-17*	06/03/2014	57.29	56.58	0.71	NM	3624.94	3568.18	-0.39
MW-17*	09/24/2014	57.45	56.75	0.70	NM	3624.94	3568.02	-0.17
MW-18*	09/10/2013	56.94	56.78	0.16	NM	3624.30	3567.48	-0.16
MW-18*	12/02/2013	57.10	57.07	0.03	NM	3625.30	3568.22	0.74
MW-18*	02/27/2014	57.32	57.18	0.14	NM	3625.30	3568.09	-0.14
MW-18*	06/03/2014	57.66	57.64	0.02	NM	3625.30	3567.66	-0.43
MW-18*	09/24/2014	57.83	57.81	0.02	NM	3625.30	3567.49	-0.17
MW-19	09/10/2013	57.33			65.15	3624.12	3566.79	-0.38
MW-19	12/02/2013	57.49			65.15	3624.12	3566.63	-0.16
MW-19	02/27/2014	57.69			NM	3624.12	3566.43	-0.20
MW-19	06/03/2014	58.03			65.17	3624.12	3566.09	-0.34
MW-19	09/23/2014	58.18			64.98	3624.12	3565.94	-0.15
MW-19D	09/10/2013	57.31			78.75	3623.79	3566.48	-0.45
MW-19D	12/02/2013	57.45			78.75	3623.79	3566.34	-0.14
MW-19D	02/27/2014	57.66			NM	3623.79	3566.13	-0.21
MW-19D	06/03/2014	58.03			78.75	3623.79	3565.76	-0.37
MW-19D	09/23/2014	58.14			78.59	3623.79	3565.65	-0.11
MW-20	09/10/2013	54.94			60.80	3621.49	3566.55	-0.42
MW-20	12/02/2013	55.06			60.80	3621.49	3566.43	-0.12
MW-20	02/27/2014	55.29			NM	3621.49	3566.20	-0.23
MW-20	06/03/2014	55.62			60.75	3621.49	3565.87	-0.33
MW-20	09/23/2014	55.75			60.75	3621.49	3565.74	-0.13
MW-21	09/10/2013	56.85			62.75	3624.25	3567.40	-0.38
MW-21	12/02/2013	56.97			62.75	3624.25	3567.28	-0.12
MW-21	02/27/2014	57.18			NM	3624.25	3567.07	-0.21
MW-21	06/03/2014	57.57			62.75	3624.25	3566.68	-0.39
MW-21	09/22/2014	57.64			62.73	3624.25	3566.61	-0.07
MW-22	09/10/2013	58.37			62.00	3625.16	3566.79	-0.51
MW-22	12/02/2013	58.49			62.00	3625.16	3566.67	-0.12
MW-22	02/27/2014	58.71			NM	3625.16	3566.45	-0.22
MW-22	06/03/2014	59.06			62.01	3625.16	3566.10	-0.35
MW-22	09/23/2014	59.15			61.84	3625.16	3566.01	-0.09
MW-23	09/10/2013	51.26			56.21	3621.16	3569.90	-0.35
MW-23	12/02/2013	51.37			56.21	3621.16	3569.79	-0.11
MW-23	02/27/2014	51.47			NM	3621.16	3569.69	-0.10
MW-23	06/03/2014	52.01			56.03	3621.16	3569.15	-0.54
MW-23	09/23/2014	52.03			57.34	3621.16	3569.13	-0.02

TABLE 1
THIRD QUARTER 2014
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	09/10/2013	49.36			56.77	3619.27	3569.91	-0.40
MW-24	12/02/2013	49.49			56.77	3619.27	3569.78	-0.13
MW-24	02/27/2014	49.59			NM	3619.27	3569.68	-0.10
MW-24	06/03/2014	50.13			56.47	3619.27	3569.14	-0.54
MW-24	09/22/2014	50.15			56.55	3619.27	3569.12	-0.02
MW-25	09/10/2013	50.32			56.29	3619.73	3569.41	-0.37
MW-25	12/02/2013	50.45			56.29	3619.73	3569.28	-0.13
MW-25	02/27/2014	50.53			NM	3619.73	3569.20	-0.08
MW-25	06/03/2014	51.07			56.30	3619.73	3568.66	-0.54
MW-25	09/22/2014	51.10			56.43	3619.73	3568.63	-0.03
TW-H	06/03/2013	NM			NM	3622.30	NM	NM
TW-H	09/10/2013	NM			NM	3622.30	NM	NM
TW-H	02/27/2014	NM			NM	3622.30	NM	NM
TW-H*	06/03/2014	52.11	49.22	2.89	NM	3622.30	3572.36	NM
TW-H*	09/24/2014	51.45	48.94	2.51	54.40	3622.30	3572.73	0.38
TW-K*	09/10/2013	62.19	58.15	4.04		3628.95	3569.79	-0.57
TW-K*	12/02/2013	62.12	58.07	4.05		3628.95	3569.87	0.08
TW-K*	02/27/2014	TD	58.35	>3.72	62.07	3628.95	NM	NM
TW-K*	06/03/2014	62.18	58.74	3.44	NM	3628.95	3569.35	NM
TW-K*	09/24/2014	NM	NM	NM	NM	NM	NM	NM
TW-N*	09/10/2013	59.24	55.69	3.55		3631.98	3575.40	-0.36
TW-N*	12/02/2013	59.16	55.40	3.76		3631.98	3575.64	0.24
TW-N*	02/27/2014	TD	56.02	>3.18	59.20	3631.98	NM	NM
TW-N*	06/03/2014	59.28	58.39	0.89	NM	3631.98	3573.37	NM
TW-N*	09/24/2014	Not Accessible - Construction Activity						
TW-Q	06/03/2014	NM	NM	NM	NM	NM	NA	NA
TW-Q	09/24/2014	Well Not Located - Presumed Destroyed						
TW-T* (5)	06/03/2014	63.71	60.09	3.62	63.88	NM	NA	NA
TW-T* (5)	09/24/2014	Casing Bent - Requires Repair						
TW-U* (5)	06/03/2014	63.94	60.61	3.33	63.94	NM	NA	NA
TW-U* (5)	09/24/2014	Probe Malfunction - LNAPL verified with bailer						
TW-V (5)	06/03/2014	61.61			63.62	NM	NA	NA
TW-V (5)	09/24/2014	Casing Bent - Requires Repair						
TW-W (5)	06/03/2014	61.62	58.36	3.26	62.17	NM	NA	NA
TW-W (5)	09/25/2014	> TD	58.18	>4.07	62.25			
Average change in groundwater elevation (06/03/14 to 09/24/14)								0.09

Notes:

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

2- Total depths were collected and recorded during the third quarter 2014 monitoring event, unless otherwise noted.

3- Changes in groundwater elevation calculated by subtracting the reading for each previous monitoring event.

4 - Denotes that a Spill Buster NAPL pump was installed in the well, resulting in reduced NAPL thickness and/or lack of ability to obtain measurements.

5 - TOC values are not currently available for these locations.

This table includes groundwater elevation data from the previous four monitoring events. Additional historic elevation data are available on request.

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

amsl - feet above mean sea level.

TOC - top of casing.

NM - Not Measured.

DRY - Insufficient water in well casing for gauging.

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

Groundwater elevation = (TOC Elevation - Measured Depth to Water) + (LNAPL Thickness in Well * LNAPL Relative Density)
LNAPL relative density is assumed to be approximately 0.75

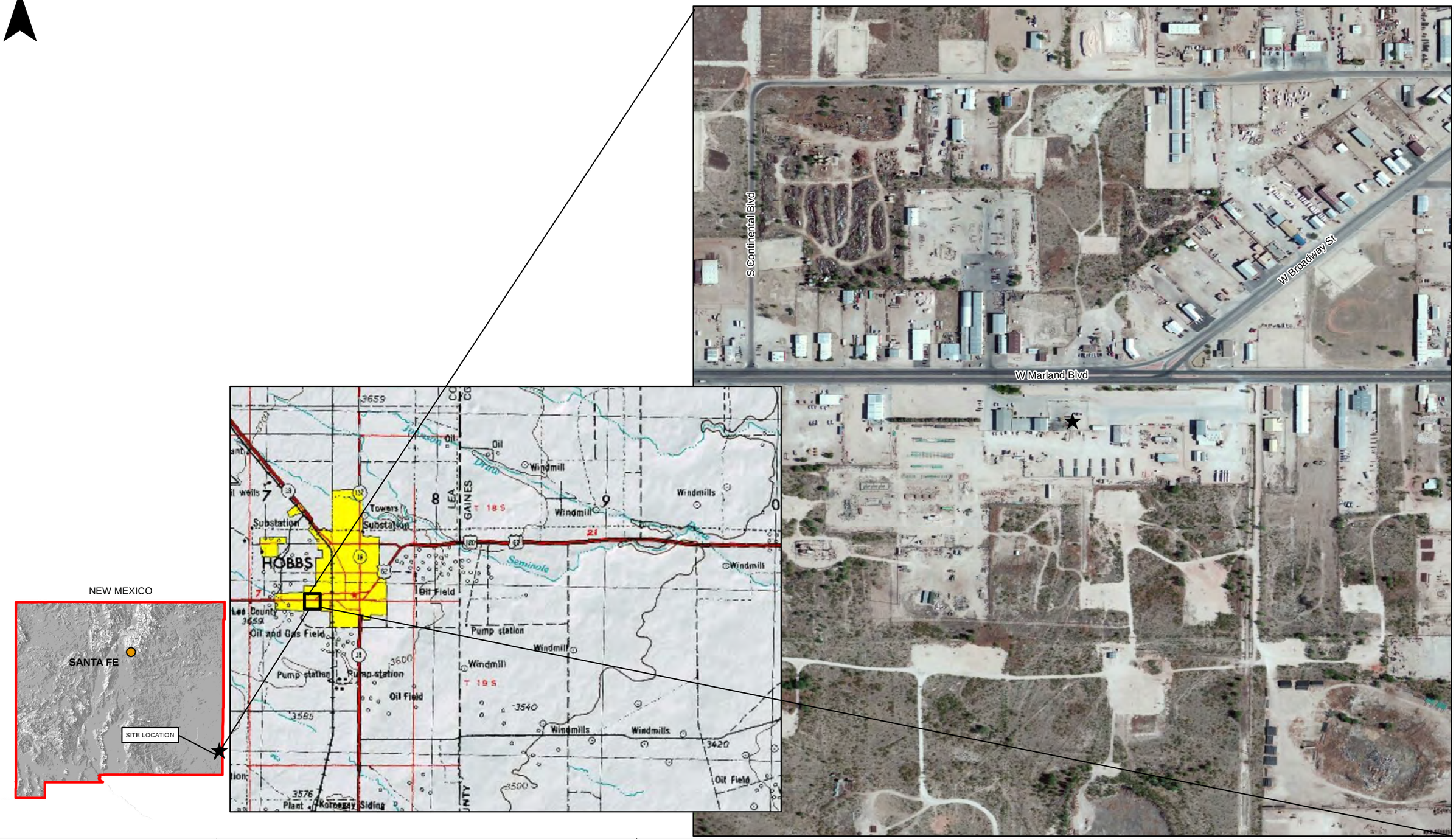
TABLE 2
THIRD QUARTER 2014
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
HOBBS BOOSTER STATION
LEA COUNTY, NEW MEXICO

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	09/24/2014	LNAPL				Annual Event
MW-2	09/24/2014	LNAPL				Annual Event
MW-3	09/22/2014	<0.001	<0.001	<0.001	<0.001	Annual Sample
MW-5	09/22/2014	<0.001	<0.001	<0.001	<0.001	Annual Sample
MW-6	09/22/2014	<0.001	<0.001	<0.001	<0.001	Annual Sample
MW-7	09/22/2014	Dry				Annual Event
MW-9	09/24/2014	LNAPL				Annual Event
MW-10	09/24/2014	LNAPL				Annual Event
MW-12	09/22/2014	LNAPL				Annual Event
MW-14	09/23/2014	**0.100**	<0.001	0.00066 J	0.0026	Duplicate A Sample Collected
MW-14 (Duplicate)	09/23/2014	**0.0673**	<0.001	0.00064 J	0.0017	
MW-15	09/22/2014	0.0027	<0.001	<0.001	<0.001	
MW-16	09/23/2014	<0.001	<0.001	<0.001	<0.001	MS/MSD Collected
MW-17	09/24/2014	LNAPL				Annual Event
MW-18	09/24/2014	LNAPL				Annual Event
MW-19	09/23/2014	<0.001	<0.001	<0.001	<0.001	
MW-19D	09/23/2014	0.0076	<0.001	0.0022	<0.001	
MW-20	09/23/2014	<0.001	<0.001	<0.001	<0.001	
MW-21	09/22/2014	<0.001	<0.001	<0.001	<0.001	
MW-22	09/23/2014	**0.0626**	<0.001	0.0019	0.0092	Duplicate B Sample Collected
MW-22 (Duplicate)	09/23/2014	**0.0620**	<0.001	0.0029	0.0086	
MW-23	09/22/2014	<0.001	<0.001	<0.001	<0.001	
MW-24	09/22/2014	<0.001	<0.001	<0.001	<0.001	
MW-25	09/22/2014	<0.001	<0.001	<0.001	<0.001	
Trip Blank	09/22/2014	<0.001	<0.001	<0.001	<0.001	

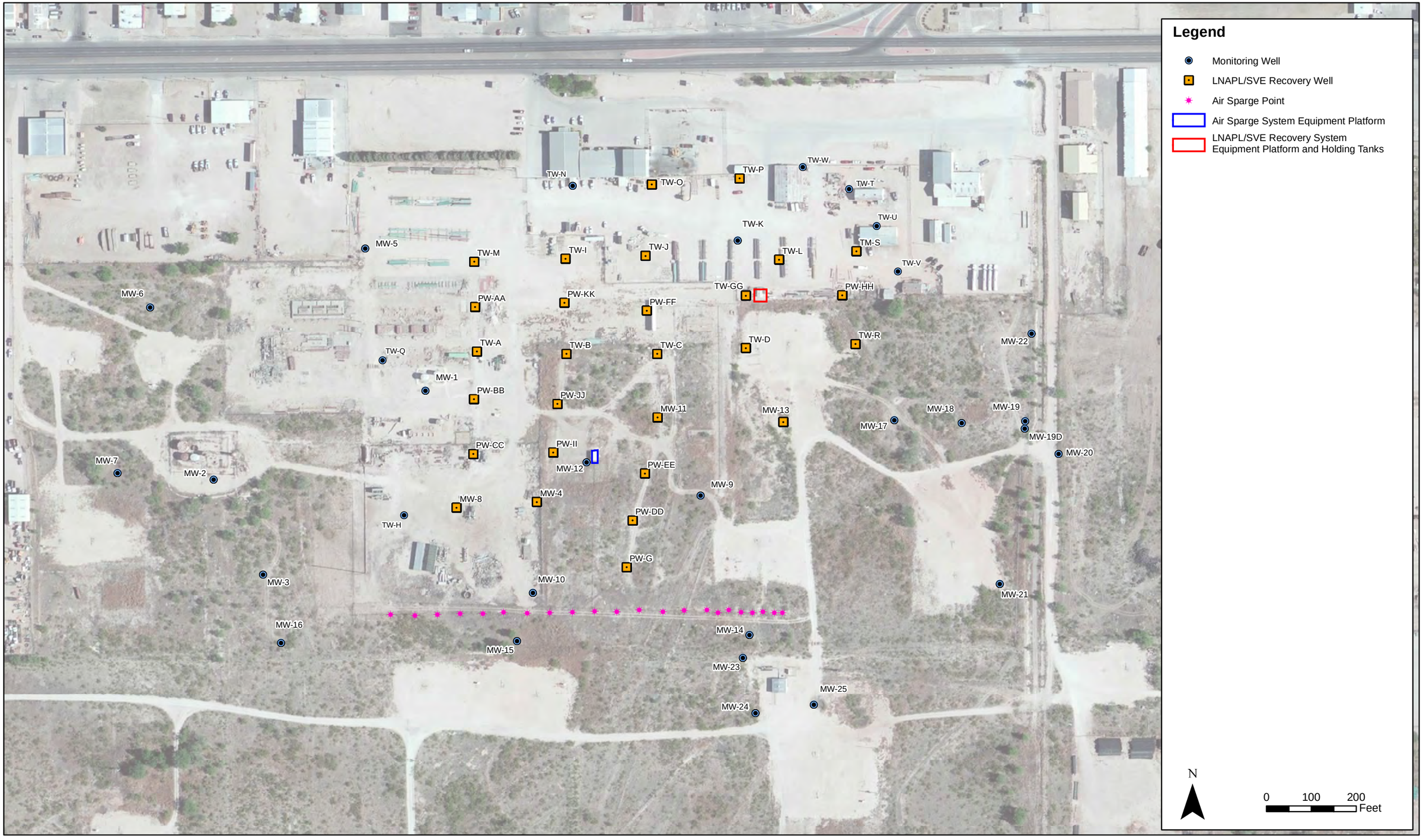
Notes:
The environmental cleanup standards for groundwater that are applicable to this Site are the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards.
Data are presented for the current reporting period. Historic groundwater analytical data are located in Appendix A.
Bold values 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.
J = Indicates an estimated value

Figures

N



DATE: October 2014 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN GEOSCIENCES **Tasman Geosciences, LLC** **6899 Pecos Street - Unit C** **Denver, CO 80221**	**DCP Midstream** **Hobbs Booster Station** Units C and D, Section 4, Township 19 South, Range 38 East Lea County, New Mexico	Site Location Map	Figure 1



DATE: October 2014 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN GEOSCIENCES **Tasman Geosciences, LLC** **6899 Pecos Street - Unit C** **Denver, CO 80221**	**DCP Midstream** **Hobbs Booster Station** Third Quarter 2014 Groundwater Monitoring Summary Report	Site Map with Monitoring Well Locations	Figure 2

W Marland Blvd

TW-N NM
TW-O
TW-P
TW-W NM
TW-T NM
TW-U NM
TW-K NM
TM-S
TW-L
TW-V NM
TW-M
TW-I
TW-J
MW-5 3572.86
MW-6 3574.61
PW-AA
PW-KK
PW-FF
TW-GG
PW-HH
TW-A
TW-B
TW-C
TW-D
TW-R
MW-22 3566.01
TW-Q NM
MW-1 3571.76
PW-BB
PW-JJ
MW-11
MW-13
MW-18 3567.49*
MW-19 3565.64
MW-17 3568.02*
MW-19D 3565.65
MW-20 3565.74
PW-CC
PW-II
MW-7 DRY
MW-2 3574.27*
MW-12 3570.03*
PW-EE
MW-9 3568.89*
MW-4
MW-8
PW-DD
TW-H 3572.73*
PW-G
MW-10 3571.33*
MW-3 3573.92
MW-21 3566.61
MW-16 3573.91
MW-14 3569.06
MW-15 3571.00
MW-23 3569.13
MW-25 3568.63
MW-24 3569.12
3574.0
3573.0
3572.0
3571.0
3570.0
3569.0
3568.0
3567.0
3566.0

Legend

- Monitoring Well
- LNAPL/SVE Recovery Well
- Air Sparge Point
- Air Sparge System Equipment Platform
- LNAPL/SVE Recovery System Equipment Platform and Holding Tanks
- Groundwater Elevation Contour (Dashed where Inferred)
- 3566.01 Measured Groundwater Elevation (feet AMSL)
- Groundwater Flow Direction

Notes:

NS - Not Sampled

NM - Not Measured

LNAPL - Light Non-Aqueous Phase Liquid

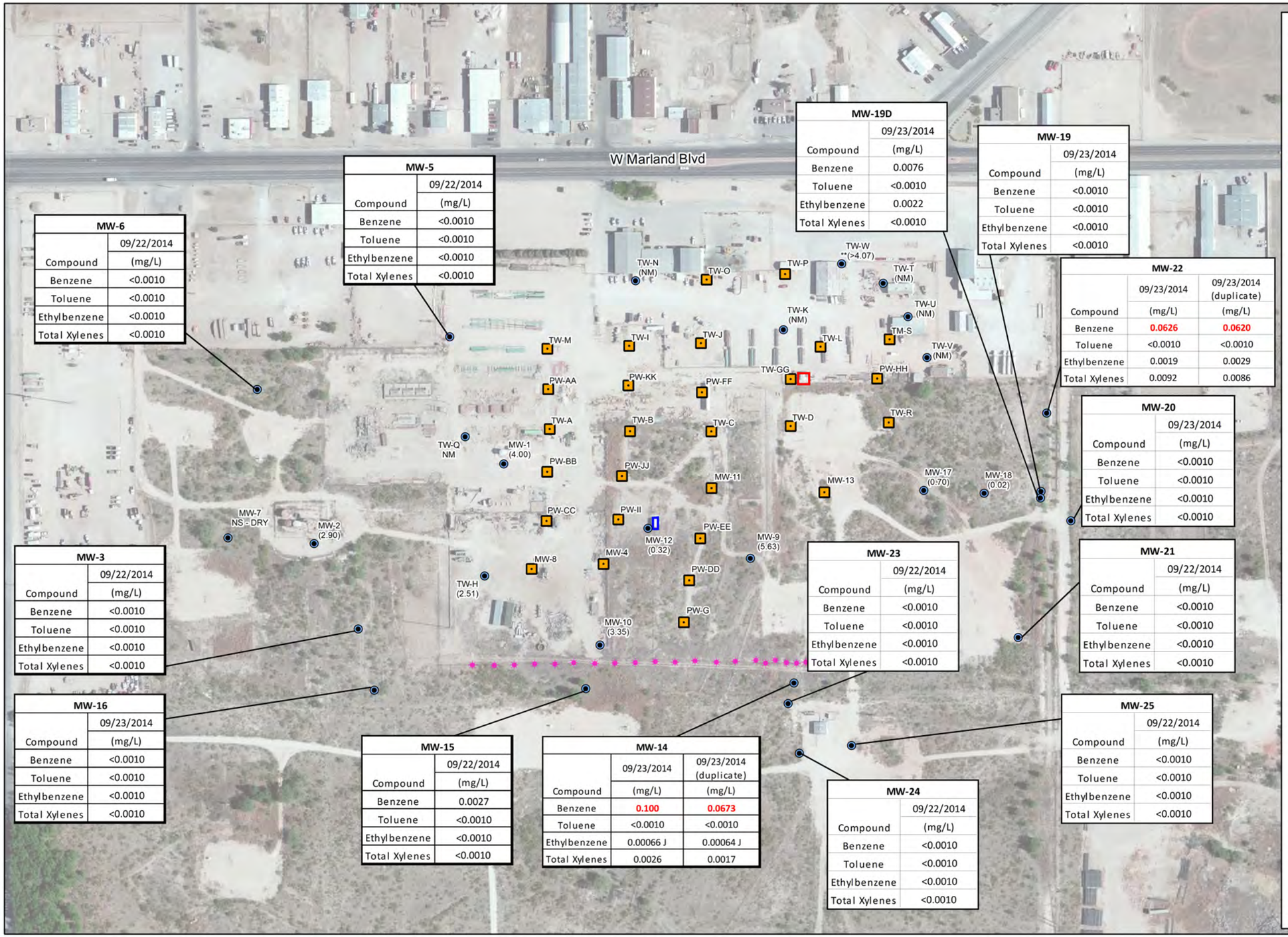
* The groundwater elevation value was corrected due to the presence of NAPL as follows: (Measured Groundwater Elevation) + (NAPL thickness * NAPL Relative Density of 0.75)

AMSL - Above Mean Sea Level

N

0 100 200 Feet

DATE: October 2014 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN GEOSCIENCES Tasman Geosciences, LLC 6899 Pecos Street - Unit C Denver, CO 80221	**DCP Midstream** **Hobbs Booster Station** Third Quarter 2014 Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (September 22 - 24, 2014)	Figure 3



MW-19D

Compound	09/23/2014 (mg/L)
Benzene	0.0076
Toluene	<0.0010
Ethylbenzene	0.0022
Total Xylenes	<0.0010

MW-19

Compound	09/23/2014 (mg/L)
Benzene	<0.0010
Toluene	<0.0010
Ethylbenzene	<0.0010
Total Xylenes	<0.0010

MW-5

Compound	09/22/2014 (mg/L)
Benzene	<0.0010
Toluene	<0.0010
Ethylbenzene	<0.0010
Total Xylenes	<0.0010

MW-6

Compound	09/22/2014 (mg/L)
Benzene	<0.0010
Toluene	<0.0010
Ethylbenzene	<0.0010
Total Xylenes	<0.0010

MW-22

Compound	09/23/2014 (mg/L)	09/23/2014 (duplicate) (mg/L)
Benzene	0.0626	0.0620
Toluene	<0.0010	<0.0010
Ethylbenzene	0.0019	0.0029
Total Xylenes	0.0092	0.0086

MW-20

Compound	09/23/2014 (mg/L)
Benzene	<0.0010
Toluene	<0.0010
Ethylbenzene	<0.0010
Total Xylenes	<0.0010

MW-3

Compound	09/22/2014 (mg/L)
Benzene	<0.0010
Toluene	<0.0010
Ethylbenzene	<0.0010
Total Xylenes	<0.0010

MW-23

Compound	09/22/2014 (mg/L)
Benzene	<0.0010
Toluene	<0.0010
Ethylbenzene	<0.0010
Total Xylenes	<0.0010

MW-21

Compound	09/22/2014 (mg/L)
Benzene	<0.0010
Toluene	<0.0010
Ethylbenzene	<0.0010
Total Xylenes	<0.0010

MW-16

Compound	09/23/2014 (mg/L)
Benzene	<0.0010
Toluene	<0.0010
Ethylbenzene	<0.0010
Total Xylenes	<0.0010

MW-15

Compound	09/22/2014 (mg/L)
Benzene	0.0027
Toluene	<0.0010
Ethylbenzene	<0.0010
Total Xylenes	<0.0010

MW-14

Compound	09/23/2014 (mg/L)	09/23/2014 (duplicate) (mg/L)
Benzene	0.100	0.0673
Toluene	<0.0010	<0.0010
Ethylbenzene	0.00066 J	0.00064 J
Total Xylenes	0.0026	0.0017

MW-24

Compound	09/22/2014 (mg/L)
Benzene	<0.0010
Toluene	<0.0010
Ethylbenzene	<0.0010
Total Xylenes	<0.0010

MW-25

Compound	09/22/2014 (mg/L)
Benzene	<0.0010
Toluene	<0.0010
Ethylbenzene	<0.0010
Total Xylenes	<0.0010

Legend

- Monitoring Well
- LNAPL/SVE Recovery Well
- Air Sparge Point
- Air Sparge System Equipment Platform
- LNAPL/SVE Recovery System Equipment Platform and Holding Tanks
- (5.91) Measured LNAPL Thickness

NMWQCC Groundwater Standards

Compound	(mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62

Notes:

NS - Not Sampled

NM - Not Measured

LNAPL - Light Non Aqueous Phase Liquid

** LNAPL levels collected; TOC level is pending

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

N

0 130 260 Feet

DATE: October 2014

DESIGNED BY: T.Johansen

DRAWN BY: D. Arnold

TASMAN GEOSCIENCES

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

DCP Midstream
Hobbs Booster Station
Third Quarter 2014 Groundwater Monitoring Summary Report

Analytical Results Map (September 22-24, 2014)

Figure 4

Appendix A

Historic Analytical Results

APPENDIX A
HISTORIC ANALYTICAL RESULTS
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	09/15/2005	**0.017**	<0.002	0.047	0.066	
MW-1	02/27/2014	LNAPL				Sampled Annually
MW-1	06/03/2014	LNAPL				Sampled Annually
MW-1	09/24/2014	LNAPL				Annual Event
MW-2	02/27/2014	LNAPL				Sampled Annually
MW-2	06/03/2014	LNAPL				Sampled Annually
MW-2	09/24/2014	LNAPL				Annual Event
MW-3	09/14/2005	0.0025	<0.002	0.24	0.17	
MW-3	06/21/2006	0.0018	<0.002	0.14	0.089	
MW-3	06/27/2007	0.0012	<0.002	0.207	0.0977	
MW-3	09/21/2009	<0.002	<0.002	0.0123	0.0031	
MW-3	09/14/2010	<0.001	<0.002	0.0134	-	
MW-3	03/29/2011	NS	NS	NS	NS	
MW-3	09/16/2011	<0.001	<0.002	0.0246	0.0135	
MW-3	12/06/2011	NS	NS	NS	NS	
MW-3	03/09/2012	<0.001	<0.002	0.0019	<0.004	
MW-3	06/06/2012	NS	NS	NS	NS	
MW-3	09/06/2012	<0.001	<0.002	0.0022	0.0023	
MW-3	12/05/2012	NS	NS	NS	NS	
MW-3	02/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-3	06/03/2013	NS	NS	NS	NS	
MW-3	09/10/2013	<0.001	<0.002	0.0023	<0.003	
MW-3	12/02/2013	NS	NS	NS	NS	
MW-3	02/27/2014	NS	NS	NS	NS	Sampled Annually
MW-3	06/03/2014	NS	NS	NS	NS	Sampled Annually
MW-3	09/22/2014	<0.001	<0.001	<0.001	<0.001	Annual Sample
MW-5	09/14/2005	<0.002	<0.002	<0.002	<0.006	
MW-5	06/21/2006	<0.002	<0.002	<0.002	<0.006	
MW-5	06/27/2007	<0.002	<0.002	<0.002	<0.006	
MW-5	09/21/2009	<0.002	<0.002	<0.002	<0.006	
MW-5	09/14/2010	<0.001	<0.002	<0.002	-	
MW-5	03/29/2011	NS	NS	NS	NS	
MW-5	09/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-5	12/06/2011	NS	NS	NS	NS	
MW-5	03/09/2012	<0.001	<0.002	<0.002	<0.004	
MW-5	06/06/2012	NS	NS	NS	NS	
MW-5	09/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-5	12/05/2012	NS	NS	NS	NS	
MW-5	02/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-5	06/03/2013	NS	NS	NS	NS	
MW-5	09/10/2013	<0.001	<0.002	<0.002	<0.003	
MW-5	12/02/2013	NS	NS	NS	NS	
MW-5	02/27/2014	NS	NS	NS	NS	Sampled Annually
MW-5	06/03/2014	NS	NS	NS	NS	Sampled Annually
MW-5	09/22/2014	<0.001	<0.001	<0.001	<0.001	Annual Sample

APPENDIX A
HISTORIC ANALYTICAL RESULTS
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-6	09/14/2005	<0.002	<0.002	<0.002	<0.006	
MW-6	06/21/2006	<0.002	<0.002	<0.002	<0.006	
MW-6	06/27/2007	<0.002	<0.002	<0.002	<0.006	
MW-6	09/21/2009	<0.002	<0.002	<0.002	<0.006	
MW-6	09/14/2010	<0.001	<0.002	<0.002	-	
MW-6	03/29/2011	NS	NS	NS	NS	
MW-6	09/16/2011	<0.001	<0.002	<0.002	<0.004	
MW-6	12/06/2011	NS	NS	NS	NS	
MW-6	03/09/2012	<0.001	<0.002	<0.002	<0.004	
MW-6	06/06/2012	NS	NS	NS	NS	
MW-6	09/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-6	12/05/2012	NS	NS	NS	NS	
MW-6	02/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-6	06/03/2013	NS	NS	NS	NS	
MW-6	09/10/2013	<0.001	<0.002	<0.002	<0.003	
MW-6	12/02/2013	NS	NS	NS	NS	
MW-6	02/27/2014	NS	NS	NS	NS	Sampled Annually
MW-6	06/03/2014	NS	NS	NS	NS	Sampled Annually
MW-6	09/22/2014	<0.001	<0.001	<0.001	<0.001	Annual Sample
MW-7	06/21/2006	<0.002	<0.002	<0.002	<0.006	
MW-7	06/27/2007	<0.002	<0.002	<0.002	<0.006	
MW-7	03/09/2009	<0.002	<0.002	<0.002	<0.006	
MW-7	09/21/2009	<0.002	<0.002	<0.002	<0.006	
MW-7	09/29/2010	<0.001	<0.002	<0.002	-	
MW-7	03/29/2011	NS	NS	NS	NS	
MW-7	09/16/2011	NS	NS	NS	NS	
MW-7	12/06/2011	NS	NS	NS	NS	
MW-7	03/09/2012	<0.001	<0.002	<0.002	<0.004	Sampled Annually
MW-7	06/06/2012	NS	NS	NS	NS	Sampled Annually
MW-7	09/06/2012	NS	NS	NS	NS	Insufficient water to sample
MW-7	12/05/2012	NS	NS	NS	NS	Sampled Annually
MW-7	02/19/2013	NS	NS	NS	NS	Sampled Annually
MW-7	06/03/2013	NS	NS	NS	NS	Sampled Annually
MW-7	09/10/2013	NS	NS	NS	NS	Insufficient water to sample
MW-7	12/02/2013	NS	NS	NS	NS	Sampled Annually
MW-7	02/27/2014	NS	NS	NS	NS	Sampled Annually
MW-7	06/03/2014	NS	NS	NS	NS	Sampled Annually
MW-7	09/22/2014	Dry				Annual Event

APPENDIX A
HISTORIC ANALYTICAL RESULTS
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-9	02/27/2014	LNAPL				Sampled Annually
MW-9	06/03/2014	LNAPL				Sampled Annually
MW-9	09/24/2014	LNAPL				Annual Event
MW-10	06/21/2006	**0.62**	0.0195	0.19	0.26	
MW-10	06/27/2007	**0.42**	0.0037	0.221	0.31	
MW-10	09/21/2009	**0.0813**	<0.002	0.343	0.0115	
MW-10	09/14/2010	**0.123**	<0.002	0.274	-	
MW-10	03/29/2011	NS	NS	NS	NS	
MW-10	09/16/2011	**0.213**	<0.002	0.135	<0.02	Duplicate sample collected
MW-10	12/06/2011	NS	NS	NS	NS	
MW-10	03/09/2012	NS	NS	NS	NS	
MW-10	06/06/2012	NS	NS	NS	NS	
MW-10	09/06/2012	NS	NS	NS	NS	
MW-10	12/05/2012	NS	NS	NS	NS	
MW-10	02/19/2013	LNAPL				
MW-10	06/03/2013	LNAPL				
MW-10	09/10/2013	LNAPL				
MW-10	12/02/2013	LNAPL				
MW-10	02/27/2014	LNAPL				Sampled Annually
MW-10	06/03/2014	LNAPL				Sampled Annually
MW-10	09/24/2014	LNAPL				Annual Event
MW-12	02/27/2014	LNAPL				Sampled Annually
MW-12	06/03/2014	LNAPL				Sampled Annually
MW-12	09/22/2014	LNAPL				Annual Event

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		**0.01**	**0.75**	**0.75**	**0.62**	
MW-14	03/23/2005	**0.085**	<0.001	0.024	0.0043	
MW-14	06/08/2005	**0.48**	0.0041	0.073	0.013	
MW-14	09/14/2005	**0.077**	<0.002	0.0088	<2.0	
MW-14	12/13/2005	**0.045**	<0.002	0.0099	0.003	
MW-14	03/28/2006	**0.022**	<0.002	0.0068	0.0026	
MW-14	06/21/2006	**0.014**	0.00095	0.005	0.0042	
MW-14	09/27/2006	**0.18**	0.014	0.015	0.026	
MW-14	12/20/2006	**0.5**	0.020	0.029	0.059	
MW-14	03/29/2007	**0.881**	0.0115	0.0368	0.0809	
MW-14	06/27/2007	**1.11**	0.0100	0.0421	0.104	
MW-14	09/06/2007	**0.603**	0.00088	0.0194	0.0243	
MW-14	11/28/2007	**0.431**	<0.0027	0.0155	0.0075	
MW-14	03/06/2008	**0.627**	0.04	0.0372	0.0228	
MW-14	12/02/2008	**0.38**	<0.002	0.0172	<0.0014	
MW-14	03/09/2009	**0.341**	<0.002	0.017	<0.0014	
MW-14	05/26/2009	**0.285**	<0.01	0.0104	<0.0068	
MW-14	09/21/2009	**0.205**	<0.002	0.008	<0.0017	
MW-14	12/20/2009	**0.165**	<0.002	0.0037	<0.0017	
MW-14	03/09/2010	<0.40	<0.002	<1.0	-	
MW-14	06/14/2010	**0.081**	<0.002	0.0017	-	
MW-14	09/14/2010	**0.11**	<0.002	0.0024	-	
MW-14	12/07/2010	**0.118**	<0.002	0.002	-	
MW-14	03/29/2011	0.0901	<0.002	<0.002	<0.002	
MW-14	03/29/2011	<0.001	<0.002	0.0039	<0.002	
MW-14	03/29/2011	**0.0901**	<0.0010	0.0041	0.0011	
MW-14	03/29/2011	0.0901	0.0041	<0.002	<0.002	
MW-14	06/21/2011	0.187	<0.002	<.0043	<0.004	
MW-14	06/21/2011	0.0048	<0.002	0.0012	<0.004	
MW-14	06/21/2011	**0.187**	<0.0010	0.0043	<0.0020	
MW-14	06/21/2011	**0.187**	<0.002	<.0043	<0.004	
MW-14	09/15/2011	**0.15**	<0.002	0.0024	<0.004	
MW-14	12/06/2011	**0.0787**	<0.002	0.0017	<0.004	Duplicate sample collected
MW-14	03/09/2012	**0.0523**	<0.002	0.00066	<0.004	
MW-14	06/06/2012	**0.0335**	<0.002	0.00064	<0.003	
MW-14	09/06/2012	**0.105**	<0.002	0.0012	<0.003	
MW-14	12/05/2012	**0.129**	<0.002	0.00081	<0.003	
MW-14	02/19/2013	**0.0603**	<0.002	0.00084	<0.003	
MW-14	06/03/2013	**0.0461**	<0.002	0.0012	<0.003	Duplicate sample collected
MW-14	09/10/2013	**0.0959**	<0.002	0.0016	<0.003	Duplicate A sample collected
MW-14	12/02/2013	**0.0636**	<0.002	0.0011	<0.003	Duplicate A sample collected
MW-14	02/27/2014	**0.1050**	<0.002	0.0012 J	0.0021 J	Duplicate sample collected
MW-14 - Duplicate	02/27/2014	**0.1170**	<0.002	0.0012 J	0.0022 J	
MW-14	06/03/2014	**0.0265**	<0.002	0.00084 J	<0.003	Duplicate sample collected
MW-14 - Duplicate	06/03/2014	**0.0209**	<0.002	0.00058 J	<0.003	
MW-14	09/23/2014	**0.100**	<0.001	0.00066 J	0.0026	Duplicate A Sample Collected
MW-14 (Duplicate)	09/23/2014	**0.0673**	<0.001	0.00064 J	0.0017	

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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	03/23/2005	<0.001	<0.002	<0.002	<0.006	
MW-15	06/08/2005	<0.001	<0.002	0.0034	<0.006	
MW-15	09/14/2005	<0.002	<0.002	0.0022	<0.006	
MW-15	12/13/2005	<0.002	<0.002	<0.002	<0.006	
MW-15	03/28/2006	<0.002	<0.002	0.0049	<0.006	
MW-15	06/21/2006	<0.002	<0.002	0.02	<0.006	
MW-15	09/27/2006	0.002	<0.002	<0.002	<0.006	
MW-15	12/20/2006	<0.002	<0.002	<0.002	<0.006	
MW-15	03/29/2007	0.0012	<0.002	0.0045	<0.006	
MW-15	06/27/2007	0.00042	<0.002	0.0014	<0.006	
MW-15	09/06/2007	<0.002	<0.002	<0.002	<0.006	
MW-15	11/28/2007	<0.0012	<0.002	<0.002	<0.006	
MW-15	03/06/2008	<0.002	<0.002	<0.002	<0.006	
MW-15	12/02/2008	<0.002	<0.002	<0.002	<0.006	
MW-15	03/09/2009	<0.002	<0.002	<0.002	<0.006	
MW-15	05/26/2009	0.0024	<0.002	0.0413	<0.006	
MW-15	09/21/2009	0.0033	<0.002	0.0501	<0.006	
MW-15	12/20/2009	0.00093	<0.002	0.0137	<0.006	
MW-15	03/09/2010	0.0041	<0.002	0.099	-	
MW-15	06/14/2010	0.0055	<0.002	0.16	-	
MW-15	09/14/2010	0.00075	<0.002	0.0015	-	
MW-15	12/07/2010	<0.001	<0.002	0.0011	-	
MW-15	03/29/2011	0.00035	<0.002	0.0039	0.0012	
MW-15	03/29/2011	<0.001	<0.002	0.0039	<0.002	
MW-15	06/21/2011	0.0048	<0.0010	0.0012	<0.0020	
MW-15	06/21/2011	0.0048	<0.002	0.0012	<0.004	
MW-15	09/15/2011	0.0054	<0.002	0.0124	<0.004	
MW-15	12/06/2011	0.0053	<0.002	0.0106	<0.004	
MW-15	03/09/2012	0.0059	<0.002	0.0097	<0.004	Duplicate-1 sample collected
MW-15	06/06/2012	0.0041	<0.002	<0.002	<0.003	Duplicate sample collected
MW-15	09/06/2012	0.0033	<0.002	<0.002	<0.003	Duplicate-1 sample collected
MW-15	12/05/2012	0.0027	<0.002	<0.002	<0.003	Duplicate sample collected
MW-15	02/19/2013	0.0020	<0.002	<0.002	<0.003	Duplicate A sample collected
MW-15	06/03/2013	0.0019	<0.002	<0.002	<0.003	
MW-15	09/10/2013	0.0022	<0.002	<0.002	<0.003	
MW-15	12/02/2013	0.0017	<0.002	<0.002	<0.003	
MW-15	02/27/2014	0.0021	<0.002	<0.002	<0.003	
MW-15	06/03/2014	0.0019	<0.002	<0.002	<0.003	
MW-15	09/22/2014	0.0027	<0.001	<0.001	<0.001	

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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	03/23/2005	<0.001	<0.002	<0.002	<0.006	
MW-16	06/08/2005	<0.001	<0.002	<0.002	<0.006	
MW-16	09/14/2005	<0.002	<0.002	<0.002	<0.006	
MW-16	12/13/2005	<0.002	<0.002	<0.002	<0.006	
MW-16	03/28/2006	<0.002	<0.002	<0.002	<0.006	
MW-16	06/21/2006	<0.002	<0.002	<0.002	<0.006	
MW-16	09/27/2006	<0.002	<0.002	<0.002	<0.006	
MW-16	12/20/2006	<0.002	<0.002	<0.002	<0.006	
MW-16	03/29/2007	0.00043	<0.002	<0.002	<0.006	
MW-16	06/27/2007	<0.002	<0.002	<0.002	<0.006	
MW-16	09/06/2007	<0.002	<0.002	<0.002	<0.006	
MW-16	11/28/2007	<0.0012	<0.002	<0.002	<0.006	
MW-16	03/06/2008	<0.002	<0.002	<0.002	<0.006	
MW-16	12/02/2008	<0.002	<0.002	<0.002	<0.006	
MW-16	03/09/2009	<0.002	<0.002	<0.002	<0.006	
MW-16	05/26/2009	<0.002	<0.002	<0.002	<0.006	
MW-16	09/21/2009	<0.002	<0.002	<0.002	<0.006	
MW-16	12/20/2009	<0.002	<0.002	<0.002	<0.006	
MW-16	03/09/2010	<0.001	<0.002	0.0028	-	
MW-16	06/14/2010	<0.001	<0.002	<0.30	-	
MW-16	09/14/2010	<0.001	<0.002	<0.00030	-	
MW-16	12/07/2010	<0.001	<0.002	<0.00030	-	
MW-16	03/29/2011	<0.00030	<0.002	<0.00030	0.0012	
MW-16	03/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-16	06/21/2011	<0.001	<0.0010	<0.00050	<0.0020	
MW-16	06/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	09/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	12/06/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	03/09/2012	<0.001	<0.002	<0.002	<0.004	
MW-16	06/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-16	09/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-16	12/05/2012	<0.001	<0.002	<0.002	<0.003	
MW-16	02/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-16	06/03/2013	<0.001	<0.002	<0.002	<0.003	
MW-16	09/10/2013	<0.001	<0.002	<0.002	<0.003	
MW-16	12/02/2013	<0.001	<0.002	<0.002	<0.003	
MW-16	02/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-16	06/03/2014	<0.001	<0.002	<0.002	<0.003	
MW-16	09/23/2014	<0.001	<0.001	<0.001	<0.001	MS/MSD Collected
MW-17	02/27/2014	LNAPL				Sampled Annually
MW-17	06/03/2014	LNAPL				Sampled Annually
MW-17	09/24/2014	LNAPL				Annual Event

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		**0.01**	**0.75**	**0.75**	**0.62**	
MW-18	06/21/2006	**0.013**	0.0017	0.031	0.023	
MW-18	06/27/2007	**0.0214**	0.0016	0.0475	0.0178	
MW-18	12/02/2008	**0.0216**	<0.002	0.0221	0.0183	
MW-18	09/21/2009	**0.0445**	<0.002	0.0297	0.0264	
MW-18	02/27/2014	LNAPL				Sampled Annually
MW-18	06/03/2014	LNAPL				Sampled Annually
MW-18	09/24/2014	LNAPL				Annual Event
MW-19	03/23/2005	0.0019	<0.002	<0.002	<0.006	
MW-19	06/08/2005	0.0012	0.0720	<0.002	<0.006	
MW-19	09/14/2005	<0.002	<0.002	<0.002	<0.006	
MW-19	12/13/2005	<0.002	<0.002	<0.002	<0.006	
MW-19	03/28/2006	<0.002	<0.002	<0.002	<0.006	
MW-19	06/21/2006	<0.002	<0.002	<0.002	<0.006	
MW-19	12/20/2006	0.0007	<0.002	<0.002	<0.006	
MW-19	03/29/2007	0.00075	<0.002	<0.002	<0.006	
MW-19	06/27/2007	0.00071	<0.002	<0.002	<0.006	
MW-19	09/06/2007	0.00053	<0.002	<0.002	<0.006	
MW-19	11/28/2007	0.00054	<0.002	<0.002	<0.006	
MW-19	03/06/2008	0.00054	<0.002	<0.002	<0.006	
MW-19	12/02/2008	<0.002	<0.002	<0.002	<0.006	
MW-19	03/09/2009	<0.002	<0.002	<0.002	<0.006	
MW-19	05/26/2009	<0.002	<0.002	<0.002	<0.006	
MW-19	09/21/2009	<0.002	<0.002	<0.002	<0.006	
MW-19	12/20/2009	<0.002	<0.002	<0.002	<0.006	
MW-19	03/09/2010	0.0009	<0.002	<1.0	-	
MW-19	06/14/2010	0.00051	<0.002	<0.30	-	
MW-19	09/14/2010	0.00036	<0.002	<0.002	-	
MW-19	12/07/2010	<0.001	<0.002	0.00068	-	
MW-19	03/29/2011	<0.001	<0.002	<0.002	0.0008	
MW-19	03/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-19	06/21/2011	<0.001	<0.0010	<0.002	<0.0020	
MW-19	06/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	09/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	12/06/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	03/09/2012	<0.001	<0.002	<0.002	<0.004	
MW-19	06/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-19	09/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-19	12/05/2012	<0.001	<0.002	<0.002	<0.003	
MW-19	02/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-19	06/03/2013	<0.001	<0.002	<0.002	<0.003	
MW-19	09/10/2013	<0.001	<0.002	<0.002	<0.003	
MW-19	12/02/2013	<0.001	<0.002	<0.002	<0.003	
MW-19	02/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-19	06/03/2014	<0.001	<0.002	<0.002	<0.003	
MW-19	09/23/2014	<0.001	<0.001	<0.001	<0.001	

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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-19D	03/23/2005	0.00073	<0.002	<0.002	<0.006	
MW-19D	06/08/2005	0.0011	0.0012	<0.002	<0.006	
MW-19D	09/14/2005	<0.002	<0.002	<0.002	<0.006	
MW-19D	12/13/2005	<0.002	<0.002	<0.002	<0.006	
MW-19D	03/28/2006	<0.002	<0.002	<0.002	<0.006	
MW-19D	06/21/2006	0.0011	<0.002	<0.002	<0.006	
MW-19D	09/27/2006	<0.002	<0.002	<0.002	<0.006	
MW-19D	12/20/2006	0.0018	<0.002	0.00074	<0.006	
MW-19D	03/29/2007	0.0007	<0.002	<0.002	<0.006	
MW-19D	06/27/2007	0.00074	<0.002	<0.002	<0.006	
MW-19D	09/06/2007	0.00072	<0.002	<0.002	<0.006	
MW-19D	11/28/2007	0.00093	<0.002	<0.002	<0.006	
MW-19D	03/06/2008	0.001	<0.002	<0.002	<0.006	
MW-19D	12/02/2008	0.0016	<0.002	<0.002	<0.006	
MW-19D	03/09/2009	<0.002	<0.002	<0.002	<0.006	
MW-19D	05/26/2009	0.00074	<0.002	<0.002	<0.006	
MW-19D	09/21/2009	0.0011	<0.002	<0.002	<0.006	
MW-19D	12/20/2009	0.0009	<0.002	<0.002	<0.006	
MW-19D	03/09/2010	0.0009	<0.002	<0.002	-	
MW-19D	06/14/2010	0.00037	<0.002	<0.002	-	
MW-19D	09/14/2010	0.00086	<0.002	<0.002	-	
MW-19D	12/07/2010	0.00085	<0.002	<0.002	-	
MW-19D	03/29/2011	0.00091	<0.002	<0.002	0.00074	
MW-19D	03/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-19D	06/21/2011	0.00056	<0.002	<0.002	<0.0020	
MW-19D	06/21/2011	.0006 J	<0.002	<0.002	<0.004	
MW-19D	09/15/2011	0.0014	<0.002	<0.002	<0.004	
MW-19D	12/06/2011	0.0015	<0.002	<0.002	<0.004	
MW-19D	03/09/2012	0.0015	<0.002	<0.002	<0.004	Duplicate-2 sample collected
MW-19D	06/06/2012	0.00079	<0.002	<0.002	<0.003	
MW-19D	09/06/2012	0.00072	<0.002	<0.002	<0.003	Duplicate-2 sample collected
MW-19D	12/05/2012	0.0030	<0.002	0.00069	<0.003	
MW-19D	02/19/2013	0.0086	<0.002	0.0045	<0.003	Duplicate B sample collected
MW-19D	06/03/2013	0.00073	<0.002	0.0064	<0.003	
MW-19D	09/10/2013	0.00054	<0.002	0.00087	<0.003	Duplicate B sample collected
MW-19D	12/02/2013	0.00057	<0.002	<0.002	<0.003	
MW-19D	02/27/2014	0.00059 J	<0.002	<0.002	<0.003	
MW-19D	06/03/2014	0.00220	<0.002	<0.002	<0.003	
MW-19D	09/23/2014	0.0076	<0.001	0.0022	<0.001	

APPENDIX A
HISTORIC ANALYTICAL RESULTS
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-20	03/23/2005	<0.001	<0.002	<0.002	<0.006	
MW-20	06/08/2005	<0.001	<0.002	<0.002	<0.006	
MW-20	09/14/2005	<0.002	<0.002	<0.002	<0.006	
MW-20	12/13/2005	<0.002	<0.002	<0.002	<0.006	
MW-20	03/28/2006	<0.002	<0.002	<0.002	<0.006	
MW-20	06/21/2006	<0.002	<0.002	<0.002	<0.006	
MW-20	09/27/2006	<0.002	<0.002	<0.002	<0.006	
MW-20	12/20/2006	0.00028	<0.002	<0.002	<0.006	
MW-20	03/29/2007	<0.002	<0.002	<0.002	<0.006	
MW-20	06/27/2007	<0.002	<0.002	<0.002	<0.006	
MW-20	09/06/2007	<0.002	<0.002	<0.002	<0.006	
MW-20	11/28/2007	<0.002	<0.002	<0.002	<0.006	
MW-20	03/06/2008	<0.002	<0.002	<0.002	<0.006	
MW-20	12/02/2008	<0.002	<0.002	<0.002	<0.006	
MW-20	03/09/2009	<0.002	<0.002	<0.002	<0.006	
MW-20	05/26/2009	<0.002	<0.002	<0.002	<0.006	
MW-20	09/21/2009	<0.002	<0.002	<0.002	<0.006	
MW-20	12/20/2009	<0.002	<0.002	<0.002	<0.006	
MW-20	03/09/2010	<0.001	<0.002	<0.002	-	
MW-20	06/14/2010	<0.001	<0.002	<0.002	-	
MW-20	09/14/2010	<0.001	<0.002	<0.002	-	
MW-20	12/07/2010	<0.001	<0.002	<0.002	-	
MW-20	03/29/2011	<0.001	<0.002	<0.002	0.0006	
MW-20	03/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-20	06/21/2011	<0.001	<0.002	<0.002	<0.0020	
MW-20	06/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	09/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	12/06/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	03/09/2012	0.00033	<0.002	<0.002	<0.004	
MW-20	06/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-20	09/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-20	12/05/2012	<0.001	<0.002	<0.002	<0.003	
MW-20	02/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-20	06/03/2013	<0.001	<0.002	<0.002	<0.003	
MW-20	09/10/2013	<0.001	<0.002	<0.002	<0.003	
MW-20	12/02/2013	<0.001	<0.002	<0.002	<0.003	
MW-20	02/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-20	06/03/2014	<0.001	<0.002	<0.002	<0.003	
MW-20	09/23/2014	<0.001	<0.001	<0.001	<0.001	

APPENDIX A
HISTORIC ANALYTICAL RESULTS
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-21	03/23/2005	<0.001	<0.002	<0.002	<0.006	
MW-21	06/08/2005	<0.001	<0.002	<0.002	<0.006	
MW-21	09/14/2005	<0.002	<0.002	<0.002	<0.006	
MW-21	12/13/2005	<0.002	<0.002	<0.002	<0.006	
MW-21	03/28/2006	<0.002	<0.002	<0.002	<0.006	
MW-21	06/21/2006	<0.002	<0.002	<0.002	<0.006	
MW-21	09/27/2006	<0.002	<0.002	<0.002	<0.006	
MW-21	12/20/2006	<0.002	<0.002	<0.002	<0.006	
MW-21	03/29/2007	<0.002	<0.002	<0.002	<0.006	
MW-21	06/27/2007	<0.002	<0.002	<0.002	<0.006	
MW-21	09/06/2007	<0.002	<0.002	<0.002	<0.006	
MW-21	11/28/2007	<0.00023	<0.002	<0.002	<0.006	
MW-21	03/06/2008	<0.002	<0.002	<0.002	<0.006	
MW-21	12/02/2008	<0.002	<0.002	<0.002	<0.006	
MW-21	03/09/2009	<0.002	<0.002	<0.002	<0.006	
MW-21	05/26/2009	<0.002	<0.002	<0.002	<0.006	
MW-21	09/21/2009	<0.002	<0.002	<0.002	<0.006	
MW-21	12/20/2009	<0.002	<0.002	<0.002	<0.006	
MW-21	03/09/2010	<0.001	<0.002	<0.002	-	
MW-21	06/14/2010	<0.001	<0.002	<0.002	-	
MW-21	09/14/2010	<0.001	<0.002	<0.002	-	
MW-21	12/07/2010	<0.001	<0.002	<0.002	-	
MW-21	03/29/2011	<0.001	<0.002	<0.002	0.00076	
MW-21	03/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-21	06/21/2011	<0.001	<0.002	<0.002	<0.0020	
MW-21	06/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-21	09/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-21	12/06/2011	<0.001	<0.002	<0.002	<0.004	
MW-21	03/09/2012	<0.001	<0.002	<0.002	<0.004	
MW-21	06/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-21	09/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-21	12/05/2012	<0.001	<0.002	<0.002	<0.003	
MW-21	02/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-21	06/03/2013	<0.001	<0.002	<0.002	<0.003	
MW-21	09/10/2013	<0.001	<0.002	<0.002	<0.003	
MW-21	12/02/2013	<0.001	<0.002	<0.002	<0.003	
MW-21	02/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-21	06/03/2014	<0.001	<0.002	<0.002	<0.003	
MW-21	09/22/2014	<0.001	<0.001	<0.001	<0.001	

APPENDIX A
HISTORIC ANALYTICAL RESULTS
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-22	03/23/2005	0.0013	<0.002	<0.001	<0.006	
MW-22	06/08/2005	<0.001	0.0025	0.00730	<0.006	
MW-22	09/14/2005	0.0066	<0.002	<0.002	<0.006	
MW-22	12/13/2005	0.0059	<0.002	<0.002	<0.006	
MW-22	03/28/2006	0.006	<0.002	<0.002	<0.006	
MW-22	06/21/2006	0.0034	<0.002	<0.002	<0.006	
MW-22	09/27/2006	<0.002	<0.002	<0.002	<0.006	
MW-22	12/20/2006	0.00089	<0.002	<0.002	<0.006	
MW-22	03/29/2007	0.00067	<0.002	<0.002	<0.006	
MW-22	06/27/2007	0.00076	<0.002	<0.002	<0.006	
MW-22	09/06/2007	<0.002	<0.002	<0.002	<0.006	
MW-22	11/28/2007	0.001	<0.002	<0.002	<0.006	
MW-22	03/06/2008	0.0015	<0.002	<0.002	<0.006	
MW-22	12/02/2008	0.0064	<0.002	<0.002	<0.006	
MW-22	03/09/2009	0.0048	<0.002	<0.002	<0.006	
MW-22	05/26/2009	0.0046	<0.002	<0.002	<0.006	
MW-22	09/21/2009	0.0026	<0.002	<0.002	<0.006	
MW-22	12/20/2009	0.0028	<0.002	<0.002	<0.006	
MW-22	03/29/2011	0.0034	<0.002	<0.002	0.0022	
MW-22	06/21/2011	0.0041	<0.002	.0005 J	<0.004	
MW-22	09/15/2011	0.0037	<0.002	<0.002	<0.004	
MW-22	12/06/2011	0.0028	<0.002	<0.002	<0.004	
MW-22	03/09/2012	0.0034	<0.002	0.00046	<0.004	
MW-22	06/06/2012	0.0031	<0.002	0.00045	<0.003	
MW-22	09/06/2012	0.0021	<0.002	<0.002	<0.003	
MW-22	12/05/2012	0.0033	<0.002	0.00055	0.0031	
MW-22	02/19/2013	0.0046	<0.002	0.0011	0.0043	
MW-22	06/03/2013	0.0054	<0.002	0.0010	0.0046	
MW-22	09/10/2013	0.0097	<0.002	0.0029	0.0058	
MW-22	12/02/2013	0.0087	<0.002	0.0008	0.0054	
MW-22	02/27/2014	**0.0122**	<0.002	0.00088 J	0.0061	
MW-22	06/03/2014	**0.0245**	<0.002	0.0010 J	0.0055	
MW-22	09/23/2014	**0.0626**	<0.001	0.0019	0.0092	Duplicate B Sample Collected
MW-22 (Duplicate)	09/23/2014	**0.0620**	<0.001	0.0029	0.0086	

APPENDIX A
HISTORIC ANALYTICAL RESULTS
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-23	12/02/2008	<0.002	<0.002	<0.002	<0.006	
MW-23	03/09/2009	0.00049	<0.002	<0.002	<0.006	
MW-23	05/26/2009	<0.002	<0.002	<0.002	<0.006	
MW-23	09/21/2009	<0.002	<0.002	<0.002	<0.006	
MW-23	12/20/2009	<0.002	<0.002	<0.002	<0.006	
MW-23	03/09/2010	<0.001	<0.002	<0.002	-	
MW-23	06/14/2010	<0.001	<0.002	<0.002	-	
MW-23	09/14/2010	<0.001	<0.002	<0.002	-	
MW-23	12/07/2010	<0.001	<0.002	<0.002	-	
MW-23	03/29/2011	<0.001	<0.002	<0.002	0.00063	
MW-23	03/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-23	06/21/2011	<0.001	<0.002	<0.002	<0.0020	
MW-23	06/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-23	09/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-23	12/06/2011	<0.001	<0.002	<0.002	<0.004	
MW-23	03/09/2012	<0.001	<0.002	<0.002	<0.004	
MW-23	06/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-23	09/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-23	12/05/2012	<0.001	<0.002	<0.002	<0.003	
MW-23	02/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-23	06/03/2013	<0.001	<0.002	<0.002	<0.003	
MW-23	09/10/2013	<0.001	<0.002	<0.002	<0.003	
MW-23	12/02/2013	<0.001	<0.002	<0.002	<0.003	
MW-23	02/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-23	06/03/2014	<0.001	<0.002	<0.002	<0.003	
MW-23	09/22/2014	<0.001	<0.001	<0.001	<0.001	
MW-24	12/02/2008	<0.002	<0.002	<0.002	<0.006	
MW-24	03/09/2009	<0.002	<0.002	<0.002	<0.006	
MW-24	05/26/2009	<0.002	<0.002	<0.002	<0.006	
MW-24	09/21/2009	<0.002	<0.002	<0.002	<0.006	
MW-24	12/20/2009	<0.002	<0.002	<0.002	<0.006	
MW-24	03/09/2010	<0.001	<0.002	<0.002	-	
MW-24	06/14/2010	<0.001	<0.002	<0.002	-	
MW-24	09/14/2010	<0.001	<0.002	<0.002	-	
MW-24	12/07/2010	<0.001	<0.002	<0.002	-	
MW-24	03/29/2011	<0.001	<0.002	<0.002	<0.006	
MW-24	03/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-24	06/21/2011	<0.001	<0.002	<0.002	<0.0020	
MW-24	06/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-24	09/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-24	12/06/2011	<0.001	<0.002	<0.002	<0.004	
MW-24	03/09/2012	<0.001	<0.002	<0.002	<0.004	
MW-24	06/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-24	09/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-24	12/05/2012	<0.001	<0.002	<0.002	<0.003	
MW-24	02/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-24	06/03/2013	<0.001	<0.002	<0.002	<0.003	
MW-24	09/10/2013	<0.001	<0.002	<0.002	<0.003	
MW-24	12/02/2013	<0.001	<0.002	<0.002	<0.003	
MW-24	02/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-24	06/03/2014	<0.001	<0.002	<0.002	<0.003	
MW-24	09/22/2014	<0.001	<0.001	<0.001	<0.001	

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HISTORIC ANALYTICAL RESULTS
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-25	12/02/2008	<0.002	<0.002	<0.002	<0.006	
MW-25	03/09/2009	<0.002	<0.002	<0.002	<0.006	
MW-25	05/26/2009	<0.002	<0.002	<0.002	<0.006	
MW-25	09/21/2009	<0.002	<0.002	<0.002	<0.006	
MW-25	12/20/2009	<0.002	<0.002	<0.002	<0.006	
MW-25	03/09/2010	<0.001	<0.002	<0.002	-	
MW-25	06/14/2010	<0.001	<0.002	<0.002	-	
MW-25	09/14/2010	<0.001	<0.002	<0.002	-	
MW-25	12/07/2010	<0.001	<0.002	<0.002	-	
MW-25	03/29/2011	<0.001	<0.002	<0.002	0.00099	
MW-25	03/29/2011	<0.001	<0.002	<0.002	<0.002	
MW-25	06/21/2011	<0.001	<0.002	<0.002	<0.0020	
MW-25	06/21/2011	<0.001	<0.002	<0.002	<0.004	
MW-25	09/15/2011	<0.001	<0.002	<0.002	<0.004	
MW-25	12/06/2011	<0.001	<0.002	<0.002	<0.004	
MW-25	03/09/2012	<0.001	<0.002	<0.002	<0.004	
MW-25	06/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-25	09/06/2012	<0.001	<0.002	<0.002	<0.003	
MW-25	12/05/2012	<0.001	<0.002	<0.002	<0.003	
MW-25	02/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-25	06/03/2013	<0.001	<0.002	<0.002	<0.003	
MW-25	09/10/2013	<0.001	<0.002	<0.002	<0.003	
MW-25	12/02/2013	<0.001	<0.002	<0.002	<0.003	
MW-25	02/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-25	06/03/2014	<0.001	<0.002	<0.002	<0.003	
MW-25	09/22/2014	<0.001	<0.001	<0.001	<0.001	
Trip Blank	06/03/2014	<0.001	<0.002	<0.002	<0.003	
Trip Blank	09/22/2014	<0.001	<0.001	<0.001	<0.001	

Notes:

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

Bold 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.

J = Indicates an estimated value

Appendix B

Laboratory Analytical Report

- Accutest Job #: D62663

Mountain States ACCUTEST LABORATORIES

10/02/14

Technical Report for

DCP Midstream, LP

TASMCOA:DCP Hobbs Booster Station

Accutest Job Number: D62663

Sampling Dates: 09/22/14 - 09/23/14

Report to:

Tasman Geosciencec LLC
5690 Webster Street
Arvada, CO 80002
dbaggus@tasman-geo.com; swweathers@dcpmidstream.com;
cwasko@tasman-geo.com
ATTN: Don Baggus

Total number of pages in report: **33**

NELAP ACCREDITED TNI LABORATORY

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

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

Sections: 1 2 3 4 5 6

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Sample Summary

DCP Midstream, LP

Job No: D62663

TASMCOA:DCP Hobbs Booster Station

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D62663-1	09/22/14	15:35	DB	09/25/14	AQ	Ground Water	MW-3-092214
D62663-2	09/22/14	16:00	DB	09/25/14	AQ	Ground Water	MW-5-092214
D62663-3	09/22/14	14:35	DB	09/25/14	AQ	Ground Water	MW-6-092214
D62663-4	09/23/14	12:45	DB	09/25/14	AQ	Ground Water	MW-14-092314
D62663-5	09/22/14	13:40	DB	09/25/14	AQ	Ground Water	MW-15-092214
D62663-6	09/23/14	12:20	DB	09/25/14	AQ	Ground Water	MW-16-092314
D62663-6D	09/23/14	12:20	DB	09/25/14	AQ	Water Matrix Spike	MW-16-092314
D62663-6M	09/23/14	12:20	DB	09/25/14	AQ	Water Dup/MSD	MW-16-092314
D62663-7	09/23/14	10:00	DB	09/25/14	AQ	Ground Water	MW-19-092314
D62663-8	09/23/14	10:25	DB	09/25/14	AQ	Ground Water	MW-19D-092314
D62663-9	09/23/14	09:20	DB	09/25/14	AQ	Ground Water	MW-20-092314
D62663-10	09/22/14	13:20	DB	09/25/14	AQ	Ground Water	MW-21-092214
D62663-11	09/23/14	11:00	DB	09/25/14	AQ	Ground Water	MW-22-092314

Sample Summary
(continued)

DCP Midstream, LP

Job No: D62663

TASMCOA:DCP Hobbs Booster Station

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
D62663-12	09/22/14	12:20	DB	09/25/14	AQ	Ground Water	MW-23-092214
D62663-13	09/22/14	12:40	DB	09/25/14	AQ	Ground Water	MW-24-092214
D62663-14	09/22/14	12:55	DB	09/25/14	AQ	Ground Water	MW-25-092214
D62663-15	09/23/14	00:00	DB	09/25/14	AQ	Ground Water	DUP-A-092314
D62663-16	09/23/14	00:00	DB	09/25/14	AQ	Ground Water	DUP-B-092314
D62663-17	09/22/14	12:00	DB	09/25/14	AQ	Trip Blank Water	TRIP BLANK.092214

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	DCP Midstream, LP	**Job No**	D62663
Site:	TASMCOA:DCP Hobbs Booster Station	**Report Date**	10/2/2014 4:31:48 PM

On 09/25/2014, 16 sample(s), 1 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 2.9 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D62663 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:** V7V1560

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D62663-6MS, D62663-6MSD were used as the QC samples indicated.

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: D62663
Account: DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station
Collected: 09/22/14 thru 09/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D62663-1	**MW-3-092214**					
No hits reported in this sample.						
D62663-2	**MW-5-092214**					
No hits reported in this sample.						
D62663-3	**MW-6-092214**					
No hits reported in this sample.						
D62663-4	**MW-14-092314**					
Benzene		0.100	0.0010	0.00025	mg/l	SW846 8260B
Ethylbenzene		0.00066 J	0.0010	0.00031	mg/l	SW846 8260B
Xylene (total)		0.0026	0.0010	0.00089	mg/l	SW846 8260B
D62663-5	**MW-15-092214**					
Benzene		0.0027	0.0010	0.00025	mg/l	SW846 8260B
D62663-6	**MW-16-092314**					
No hits reported in this sample.						
D62663-7	**MW-19-092314**					
No hits reported in this sample.						
D62663-8	**MW-19D-092314**					
Benzene		0.0076	0.0010	0.00025	mg/l	SW846 8260B
Ethylbenzene		0.0022	0.0010	0.00031	mg/l	SW846 8260B
D62663-9	**MW-20-092314**					
No hits reported in this sample.						
D62663-10	**MW-21-092214**					
No hits reported in this sample.						

Summary of Hits

Job Number: D62663
Account: DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station
Collected: 09/22/14 thru 09/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D62663-11	**MW-22-092314**					
Benzene		0.0626	0.0010	0.00025	mg/l	SW846 8260B
Ethylbenzene		0.0019	0.0010	0.00031	mg/l	SW846 8260B
Xylene (total)		0.0092	0.0010	0.00089	mg/l	SW846 8260B
D62663-12	**MW-23-092214**					
No hits reported in this sample.						
D62663-13	**MW-24-092214**					
No hits reported in this sample.						
D62663-14	**MW-25-092214**					
No hits reported in this sample.						
D62663-15	**DUP-A-092314**					
Benzene		0.0673	0.0010	0.00025	mg/l	SW846 8260B
Ethylbenzene		0.00064 J	0.0010	0.00031	mg/l	SW846 8260B
Xylene (total)		0.0017	0.0010	0.00089	mg/l	SW846 8260B
D62663-16	**DUP-B-092314**					
Benzene		0.0620	0.0010	0.00025	mg/l	SW846 8260B
Ethylbenzene		0.0029	0.0010	0.00031	mg/l	SW846 8260B
Xylene (total)		0.0086	0.0010	0.00089	mg/l	SW846 8260B
D62663-17	**TRIP BLANK.092214**					
No hits reported in this sample.						

Mountain States ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: MW-3-092214
Lab Sample ID: D62663-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP Hobbs Booster Station

Date Sampled: 09/22/14
Date Received: 09/25/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V28678.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		62-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	101%		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-5-092214
Lab Sample ID: D62663-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP Hobbs Booster Station

Date Sampled: 09/22/14
Date Received: 09/25/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V28679.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		62-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	102%		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-6-092214		
Lab Sample ID:	D62663-3	**Date Sampled:**	09/22/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28680.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		62-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		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-14-092314		
Lab Sample ID:	D62663-4	**Date Sampled:**	09/23/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28681.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.100	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	0.00066	0.0010	0.00031	mg/l	J
1330-20-7	Xylene (total)	0.0026	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		62-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	102%		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-15-092214		
Lab Sample ID:	D62663-5	**Date Sampled:**	09/22/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28682.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		62-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	102%		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-16-092314		
Lab Sample ID:	D62663-6	**Date Sampled:**	09/23/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28677.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		62-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	102%		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-19-092314
Lab Sample ID: D62663-7
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP Hobbs Booster Station

Date Sampled: 09/23/14
Date Received: 09/25/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V28683.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		62-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		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-092314		
Lab Sample ID:	D62663-8	**Date Sampled:**	09/23/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28684.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.0076	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	0.0022	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		62-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	102%		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-20-092314		
Lab Sample ID:	D62663-9	**Date Sampled:**	09/23/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28685.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		62-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	101%		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-21-092214		
Lab Sample ID:	D62663-10	**Date Sampled:**	09/22/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28686.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		62-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	101%		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-22-092314		
Lab Sample ID:	D62663-11	**Date Sampled:**	09/23/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28687.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.0626	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	0.0019	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	0.0092	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		62-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		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-23-092214		
Lab Sample ID:	D62663-12	**Date Sampled:**	09/22/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28688.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		62-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	101%		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-24-092214		
Lab Sample ID:	D62663-13	**Date Sampled:**	09/22/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28689.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		62-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		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-25-092214		
Lab Sample ID:	D62663-14	**Date Sampled:**	09/22/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28690.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		62-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	101%		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-A-092314		
Lab Sample ID:	D62663-15	**Date Sampled:**	09/23/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28691.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.0673	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	0.00064	0.0010	0.00031	mg/l	J
1330-20-7	Xylene (total)	0.0017	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		62-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	102%		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-B-092314		
Lab Sample ID:	D62663-16	**Date Sampled:**	09/23/14
Matrix:	AQ - Ground Water	**Date Received:**	09/25/14
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	7V28692.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.0620	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	0.0029	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	0.0086	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		62-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	102%		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.092214		
Lab Sample ID:	D62663-17	**Date Sampled:**	09/22/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/25/14
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	7V28693.D	1	09/26/14	EV	n/a	n/a	V7V1560
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	0.00025	mg/l	
108-88-3	Toluene	ND	0.0010	0.00080	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00031	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.00089	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		62-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	100%		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

PAGE 1 OF 2

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 #: D62663

Client / Reporting Information

Company Name: Tasman Geosciences
Street Address: 6899 Pecos St - Unit C
City: Denver, CO 80221
Project Contact: Don Baggus dbaggus@tasman-geo.com
Phone #: (720) 635-9675
Sampler(s) Name(s): DON BAGGUS

Project Information

Project Name: DCP Hobbs Booster Station
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager: Renea Rooks

Billing Information (If different from Report to)

Company Name:
Street Address:
City:
Attention:

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	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260BTEX	MS/MSD for V8260BTEX	LAB USE ONLY
	MW-3 - 092214		9/22/14	1535	DB	GW	3	3								X		01
	MW-5 - 092214		9/22/14	1600	DB	GW	3	3								X		02
	MW-6 - 092214		9/22/14	1435	DB	GW	3	3								X		03
	~~MW-7 - 092214~~ DB		~~9/22/14~~	~~1520~~	~~DB~~	~~GW~~	~~3~~	~~3~~								~~X~~	NOT	NS SAMPLED
	MW-14 - 092314		9/23/14	1245	DB	GW	3	3								X		04
	MW-15 - 092214		9/22/14	1340	DB	GW	3	3								X		05
	MW-16 - 092314		9/23/14	1220	DB	GW	3	3								X		06
	MW-16 MS/MSD - 092314		9/23/14	1220	DB	GW	6	6									X	06 MS/SD
	MW-19 - 092314		9/23/14	1000	DB	GW	3	3								X		07
	MW-19D - 092314		9/23/14	1025	DB	GW	3	3								X		08
	MW-20 - 092314		9/23/14	0920	DB	GW	3	3								X		09
	MW-21 - 092214		9/22/14	1320	DB	GW	3	3								X		10

Data Deliverable Information

- [ ] Std. 15 Business Days
- [X] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day Emergency
- [ ] 2 Day Emergency
- [ ] 1 Day Emergency
- [ ]

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

- [ ] 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 ONLY
- [ ] EDD Format

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

Comments / Special Instructions

	Relinquished by Sampler:	Received By:	Relinquished By:	Date Time:	Received By:
1	9/24/14 1500	1	2		2 9-25-14
3		3	4		4
5		5	Custody Seal #	Intact / Not Intact	Preserved where applicable: On Ice ✓ Cooler Temp. 2.9

5.1 5

D62663: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE ___ OF ___

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 # D62663

Client / Reporting Information

Company Name: Tasman Geosciences
Street Address: 6899 Pecos St - Unit C
City: Denver, CO 80221
Project Contact: Don Baggus dbaggus@tasman-geo.com
Phone #: (720) 635-9675
Sampler(s) Name(s): DON BAGGUS

Project Information

Project Name: DCP Hobbs Booster Station
Street
City State
Project #
Client Purchase Order #
Project Manager: Renea Rooks

Billing Information (if different from Report to)

Company Name
Street Address
City
Attention:

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	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260BTEX								LAB USE ONLY
	MW-22 -092314		9/23/14	1100	DB	GW	3	3								X								11
	MW-23 -092214		9/22/14	1220	DB	GW	3	3								X								12
	MW-24 -092214		9/22/14	1240	DB	GW	3	3								X								13
	MW-25 -092214		9/22/14	1255	DB	GW	3	3								X								14
	~~TW-Q~~					~~GW~~	~~3~~	~~3~~								~~X~~	NOT SAMPLED							
	~~TW-V~~					~~GW~~	~~3~~	~~3~~								~~X~~								
	DUP-A -092314		9/23/14	-	DB	GW	3	3								X								15
	DUP-B -092314		9/23/14	-	DB	GW	3	3								X								16
	TRIP BLANK-092214		9/22/14	1200	DB	GW	2	2								X								17

Data Deliverable Information

- [ ] Std. 15 Business Days
- [X] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day Emergency
- [ ] 2 Day Emergency
- [ ] 1 Day Emergency
- [ ] Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

- [ ] 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 ONLY
- [ ] EDD Format

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

Comments / Special Instructions

	Relinquished by Sampler:	Received By:	Relinquished By:	Date Time:	Received By:
1	DON BAGGUS 9/24/14 1500	1	2		2 9-25-14 9:20
	Relinquished by Sampler:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
	Relinquished by:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable	On Ice	Cooler Temp
5		5					2.9 TAB

D62663: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D62663 **Client:** TASMAN **Project:** DCP

Date / Time Received: 9/25/2014 9:50:00 AM **Delivery Method:** **Airbill #'s:** FX

Cooler Temps (Initial/Adjusted): 0

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:	;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

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:	☑		☐	☐

Comments

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 recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Accutest Laboratories
V:(303) 425-6021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www/accutest.com

D62663: 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: D62663
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V1560-MB	7V28673.D	1	09/25/14	EV	n/a	n/a	V7V1560

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

D62663-1, D62663-2, D62663-3, D62663-4, D62663-5, D62663-6, D62663-7, D62663-8, D62663-9, D62663-10, D62663-11, D62663-12, D62663-13, D62663-14, D62663-15, D62663-16, D62663-17

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.31	ug/l	
108-88-3	Toluene	ND	1.0	0.80	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.89	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	100%	62-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	101%	69-130%

Blank Spike Summary

Job Number: D62663
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V1560-BS	7V28674.D	1	09/25/14	EV	n/a	n/a	V7V1560

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

D62663-1, D62663-2, D62663-3, D62663-4, D62663-5, D62663-6, D62663-7, D62663-8, D62663-9, D62663-10, D62663-11, D62663-12, D62663-13, D62663-14, D62663-15, D62663-16, D62663-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	54.7	109	70-130
100-41-4	Ethylbenzene	50	53.5	107	70-130
108-88-3	Toluene	50	52.6	105	70-130
1330-20-7	Xylene (total)	150	158	105	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	62-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	101%	69-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D62663
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D62663-6MS	7V28675.D	1	09/26/14	EV	n/a	n/a	V7V1560
D62663-6MSD	7V28676.D	1	09/26/14	EV	n/a	n/a	V7V1560
D62663-6	7V28677.D	1	09/26/14	EV	n/a	n/a	V7V1560

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

D62663-1, D62663-2, D62663-3, D62663-4, D62663-5, D62663-6, D62663-7, D62663-8, D62663-9, D62663-10, D62663-11, D62663-12, D62663-13, D62663-14, D62663-15, D62663-16, D62663-17

CAS No.	Compound	D62663-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	57.4	115	50	58.8	118	2	62-130/30
100-41-4	Ethylbenzene	ND		50	55.4	111	50	57.3	115	3	63-130/30
108-88-3	Toluene	ND		50	55.2	110	50	56.8	114	3	60-130/30
1330-20-7	Xylene (total)	ND		150	165	110	150	171	114	4	67-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D62663-6	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	100%	103%	62-130%
2037-26-5	Toluene-D8	99%	100%	100%	70-130%
460-00-4	4-Bromofluorobenzene	102%	102%	102%	69-130%

* = Outside of Control Limits.