DCP Midstream
370 17th Street, Suite 2500
Denver, CO 80202
303-595-3331
303-605-2226 *FAX*

March 5, 2013

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

RE: 4th Quarter 2012 Groundwater Monitoring Results
DCP Midstream, LP J-4-2 Pipeline Release (1RP-1728)
Unit C, Section 27, Township 19 South, Range 35 East
Lea County, New Mexico

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review, a copy of the 4th Quarter 2012 Groundwater Monitoring Results for the DCP J-4-2 Pipeline Release located in Lea County, New Mexico (Unit C, Section 27, Township 19 South, Range 35 East).

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

Sincerely

DCP Midstream, LP

Stephen Weathers, PG
Principal Environmental Specialist

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

Fourth Quarter 2012 Groundwater Monitoring and Activities Summary Report

J-4-2 Pipeline Release
Lea County, New Mexico
1RP-1728

Prepared for:

dcp Midstream

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

Prepared by:

TASMAN GEOSCIENCES

6899 Pecos Street, Unit C
Denver, Colorado 80221

January 15, 2013

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Appendices

1. Introduction

This report summarizes the groundwater monitoring and remediation activities conducted during the fourth quarter of 2012 at the J-4-2 pipeline release (Site) in Lea County, New Mexico (Figure 1). Tasman Geosciences, LLC (Tasman) conducted these activities on behalf of DCP Midstream, LP (DCP). The field activities described herein were performed with the purpose of monitoring groundwater flow and quality and assessing the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons within the Site subsurface. The data collected during the reporting period were used to develop a groundwater elevation figure, an analytical results figure and LNAPL versus time and groundwater elevation graphs to evaluate current conditions at the Site.

2. Site Location and Background

The Site is located in the northeastern quarter of the northwestern quarter (Unit C) of Section 27, Township 19 South, Range 35 East approximately 3 miles south of the intersection of US Highway 82 and State Highway 483. The area is sparsely populated and land use is primarily associated with livestock grazing and oil and gas extraction and conveyance.

Based on findings from previous Site investigations, a natural gas condensate release was reported at the Site on August 3, 2005. Environmental Plus Incorporated (EPI) of Eunice, New Mexico, performed initial Site investigation activities. EPI reported that the spill was limited to an approximate area of 2,800 square feet and it did not migrate to any surface water features. EPI installed monitoring wells MW-1, MW-2, and MW-3 as a part of the initial soil and groundwater characterization effort in February 2006. Monitoring wells MW-4, MW-6, MW-7, and MW-8 were installed in September 2006 as part of a Site investigation completed by American Environmental Consulting. Installation of monitoring well MW-5 was not completed during this event due to refusal while advancing the borehole. Groundwater samples collected in 2006 from the newly installed wells indicated that dissolved phase petroleum hydrocarbons and chloride had impacted groundwater at the Site in the vicinity of monitoring wells MW-1 and MW-2 and additionally, LNAPL was detected at monitoring wells MW-1 and MW-2.

3. Groundwater Monitoring

This section describes the field and laboratory activities performed during the fourth quarter 2012 groundwater monitoring event. Monitoring activities included Site-wide groundwater gauging and groundwater sampling. 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 seasonal fluctuations in groundwater elevations at the Site. During the fourth quarter 2012, groundwater levels were measured at seven monitoring well locations.

Groundwater levels were measured on the north side of the well casing to the nearest 0.01-foot using an oil-water interface probe (IP). Groundwater level data were later converted to elevation (feet above mean sea level [AMSL]). LNAPL levels, where indicated by the IP, were also recorded.

Groundwater elevation measurements collected during the reporting period as well as historical elevations are presented in Table 1, and a fourth quarter 2012 groundwater elevation contour map is illustrated on Figure 3. Groundwater elevations ranged from 3,704.43 feet AMSL at monitoring well MW-8 to 3,708.41 feet AMSL at monitoring well MW-4. As illustrated on Figure 3, groundwater flow at the Site generally trends to the southeast with a gradient of approximately 0.0052 foot per foot between monitoring wells MW-4 and MW-8.

LNAPL was not detected at any monitoring well location during the fourth quarter 2012 monitoring event.

3.2 Groundwater Quality Monitoring

Groundwater levels and total well depth were measured at each of the Site monitoring wells prior to collecting groundwater samples. A minimum of three well casing volumes of groundwater were 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 for the selected analytical methods, packed in an ice-filled cooler, and maintained at approximately four (4) degrees Celsius (^{0}C) for transportation. Groundwater samples were then shipped under chain-of-custody procedures to Accutest Laboratories (Accutest) in Wheat Ridge, Colorado, for analysis.

Water quality samples were collected from seven wells and were submitted for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260B, and chloride by USEPA Method 300.

Table 2 summarizes BTEX and chloride concentrations in groundwater samples collected during the reporting period in addition to concentrations from the previous 4 quarters. Laboratory analytical reports for the event are included in Appendix A and historical analytical results up to and including the December 2012 event are contained in Appendix B. Analytical results are summarized on Figure 4. The groundwater samples collected from the Site monitoring wells did not contain concentrations of dissolved phase BTEX above New Mexico Water Quality Control Commission Groundwater Standards. Chloride was detected in all seven of the sampled wells with concentrations ranging from 304 milligrams per liter (mg/L) in MW-8 to 2,440 mg/L in MW-2.

3.3 Data Quality Assurance / Quality Control

A trip blank, matrix spike or matrix spike duplicate (MS/MSD) and field duplicate (MW-1) were collected during the sampling event. The data were reviewed for compliance with the analytical method and the associated quality assurance/quality control (QA/QC) procedures. All samples were analyzed using the correct analytical methods and within the correct holding times. Chain of custody forms were in order and properly executed and indicate that samples were received at the proper temperature with no headspace. All data were reported using the correct method number and reporting units. The trip blank was fully in control, having no detections of targets.

The duplicate sample collected at MW-1 was in compliance with the QA/QC standard. MW-1 and duplicate samples both returned results below laboratory detection limits.

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

4. Remediation Activities

4.1 Vacuum Enhanced LNAPL Recovery

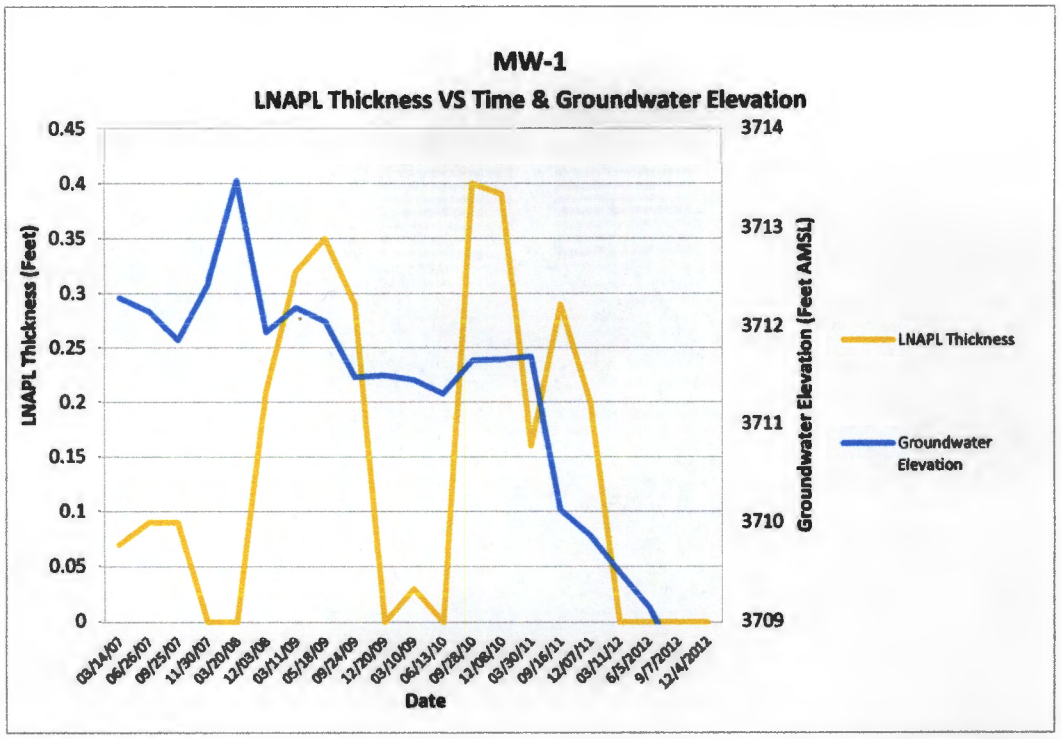
Due to the absence of LNAPL at the monitoring well locations during the fourth quarter 2012, vacuum enhanced LNAPL recovery was not performed.

4.2 LNAPL Collection Bailer

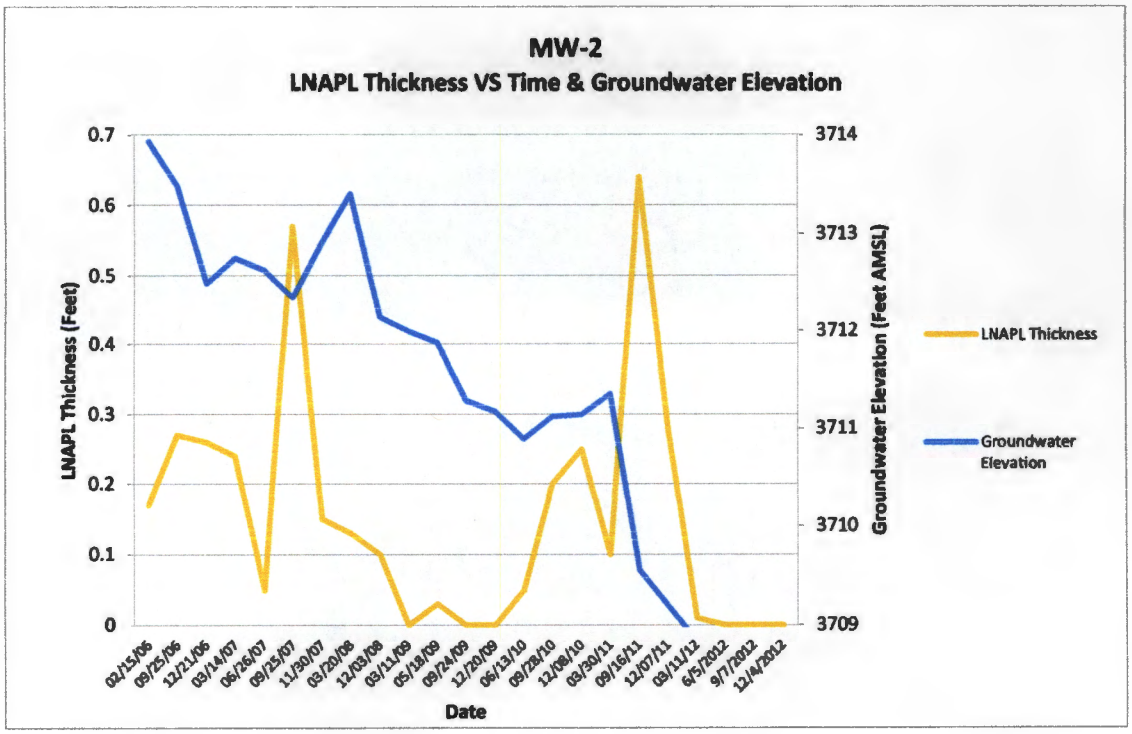
A passive LNAPL collection bailer is installed at monitoring well MW-2. During the fourth quarter 2012 groundwater monitoring event, there was no measurable LNAPL recorded in the collection bailer. The LNAPL collection bailer was re-set in the monitoring well at the level of groundwater elevation.

4.3 LNAPL Trends

As illustrated in the graphs below, the LNAPL thickness in MW-1 and MW-2 does not appear to exhibit any seasonal fluctuation trends or a relationship to groundwater levels.



Groundwater elevations have exhibited a steady decrease in elevation over time, whereas product thickness has fluctuated sporadically over time with no apparent correlation to groundwater elevation.



5. Conclusions

While the dissolved phase hydrocarbon impacts did not exceed the regulatory limits in any of the sampled monitoring wells during this event, a light sheen persists in MW-2. The vacuum recovery events conducted during the first, second, and third quarters 2012 have been successful in removing LNAPL thickness and have allowed sample collection from MW-01 and MW-02.

BTEX concentrations observed in MW-1 and MW-2 remain below regulatory standards indicating that the three previous quarterly vacuum enhanced LNAPL recovery events were successful in removing residual dissolved phase petroleum hydrocarbon from groundwater within these wells and surrounding areas.

Additional recovery events at MW-1 and MW-2 may no longer be warranted. Ongoing quarterly groundwater sampling will provide for continued monitoring of Site conditions, BTEX, and LNAPL trends.

6. Recommendations

Based on evaluation of fourth quarter 2012 and historical Site observations and monitoring results, recommendations for future activities include:

- Continue groundwater sampling at the monitoring locations illustrated on Figure 2;
- Continue to monitor the success of vacuum enhanced recovery of LNAPL at monitoring well MW-2, and;
- Evaluate the continued use of the LNAPL recovery bailer at MW-2.

Tables

TABLE 1
FOURTH QUARTER 2012
SUMMARY OF GROUNDWATER ELEVATION DATA
J-4-2 PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location	Date	Depth to Ground	Depth to Product (1) (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (2) (feet)	TOC Elevation (3) (feet amsl)	Groundwater Elevation (feet amsl)	Change in Groundwater Elevation Since Previous Event (4) (feet)
MW-1*	12/7/2011	30.73	30.53	0.2	43.05	3740.45	3709.87	-0.26
MW-1	3/11/2012	30.95			43.05	3740.45	3709.50	-0.37
MW-1	6/5/2012	31.30			43.05	3740.45	3709.15	-0.35
MW-1	9/7/2012	31.87			43.05	3740.45	3708.58	-0.57
MW-1	12/4/2012	32.15			43.05	3740.45	3708.30	-0.28
MW-2*	12/7/2011	31.63	31.35	0.28	43.30	3740.62	3709.20	-0.36
MW-2*	3/11/2012	31.79	31.78	0.01	43.30	3740.62	3708.84	-0.36
MW-2	6/5/2012	32.05			43.30	3740.62	3708.57	-0.27
MW-2	9/7/2012	32.70			43.30	3740.62	3707.92	-0.65
MW-2	12/4/2012	33.11			43.30	3740.62	3707.51	-0.41
MW-3	12/7/2011	30.10			35.20	3739.39	3709.29	-0.48
MW-3	3/11/2012	30.25			35.20	3739.39	3709.14	-0.15
MW-3	6/5/2012	30.54			35.20	3739.39	3708.85	-0.29
MW-3	9/7/2012	31.16			35.20	3739.39	3708.23	-0.62
MW-3	12/4/2012	31.44			35.20	3739.39	3707.95	-0.28
MW-4	12/7/2011	30.46			37.95	3740.24	3709.78	-0.55
MW-4	3/11/2012	30.57			37.95	3740.24	3709.67	-0.11
MW-4	6/5/2012	30.92			37.95	3740.24	3709.32	-0.35
MW-4	9/7/2012	31.56			37.95	3740.24	3708.68	-0.64
MW-4	12/4/2012	31.83			37.95	3740.24	3708.41	-0.27
MW-6	12/7/2011	30.09			34.31	3739.96	3709.87	0.46
MW-6	3/11/2012	31.03			34.31	3739.96	3708.93	-0.94
MW-6	6/5/2012	31.41			34.31	3739.96	3708.55	-0.38
MW-6	9/7/2012	NM (5)			34.31	3739.96	NM	NM
MW-6	12/7/2012	32.16			34.31	3739.96	3707.80	-0.75
MW-7	12/7/2011	34.04			40.41	3740.73	3706.69	-0.28
MW-7	3/11/2012	34.15			40.41	3740.73	3706.58	-0.11
MW-7	6/5/2012	34.51			40.41	3740.73	3706.22	-0.36
MW-7	9/7/2012	34.95			40.41	3740.73	3705.78	-0.44
MW-7	12/4/2012	35.20			40.41	3740.73	3705.53	-0.25
MW-8	12/7/2011	31.83			38.58	3737.32	3705.49	-0.16
MW-8	3/11/2012	32.00			38.58	3737.32	3705.32	-0.17
MW-8	6/5/2012	32.30			38.58	3737.32	3705.02	-0.30
MW-8	9/7/2012	32.61			38.58	3737.32	3704.71	-0.31
MW-8	12/4/2012	32.89			38.58	3737.32	3704.43	-0.28
							Average change in groundwater elevation since the previous monitoring event	-0.36

Notes:

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

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

amsl).

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

5- MW-6 was not measured due to an obstruction of sediment fines at 31.15 feet bgs.

Monitoring well location MW-5 was not installed due geologic refusal that was encountered during drilling activities.

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

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

amsl - feet above mean sea level.

TOC - top of casing

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

Groundwater elevation = (TOC Elevation - Measured Depth to Water) + (LNAPL Thickness in Well * LNAPL Density)
LNAPL density was assumed to be approximately 0.75 grams per cubic centimeter

TABLE 2
FOURTH QUARTER 2012
SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
J-4-2 PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		**0.01**	**0.75**	**0.75**	**0.62**	**250***	
MW-1	12/7/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	3/11/2012	<0.001	<0.002	<0.002	<0.004	2970	
MW-1	6/5/2012	<0.001	<0.002	<0.002	<0.003	2480	
MW-1	9/7/2012	<0.001	<0.002	<0.002	<0.003	2060	
MW-1	12/4/2012	<0.001	<0.002	<0.002	<0.003	2240	Duplicate sample collected
MW-2	12/7/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	3/11/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	6/5/2012	0.00043	<0.002	0.0024	0.0069	2450	
MW-2	9/7/2012	<0.001	<0.002	<0.002	<0.003	2280	
MW-2	12/4/2012	<0.001	<0.002	0.0008	0.0028	2440	
MW-3	12/7/2011	<0.001	<0.002	<0.002	<0.004	2230	Duplicate sample collected
MW-3	3/11/2012	<0.001	<0.002	<0.002	<0.004	2210	
MW-3	6/5/2012	<0.001	<0.002	<0.002	<0.003	2080	
MW-3	9/7/2012	<0.001	<0.002	<0.002	<0.003	2180	
MW-3	12/4/2012	<0.001	<0.002	<0.002	<0.003	2170	
MW-4	12/7/2001	<0.001	<0.002	<0.002	<0.004	2010	
MW-4	3/11/2012	<0.001	<0.002	<0.002	<0.004	1960	Duplicate sample collected
MW-4	6/5/2012	<0.001	<0.002	<0.002	<0.003	1790	Duplicate sample collected
MW-4	9/7/2012	<0.001	<0.002	<0.002	<0.003	1910	Duplicate sample collected
MW-4	12/4/2012	<0.001	<0.002	<0.002	<0.003	1940	
MW-6	12/7/2011	<0.001	<0.002	<0.002	<0.004	526	
MW-6	3/11/2012	<0.001	<0.002	<0.002	<0.004	522	
MW-6	6/5/2012	<0.001	<0.002	<0.002	<0.003	532	
MW-6 [4]	9/7/2012	NS	NS	NS	NS	NS	
MW-6	12/7/2012	<0.001	<0.002	<0.002	<0.003	578	
MW-7	12/7/2011	<0.001	<0.002	<0.002	<0.004	1200	
MW-7	3/11/2012	<0.001	<0.002	<0.002	<0.004	1220	
MW-7	6/5/2012	<0.001	<0.002	<0.002	<0.003	1120	
MW-7	9/7/2012	<0.001	<0.002	<0.002	<0.003	1140	
MW-7	12/4/2012	<0.001	<0.002	<0.002	<0.003	1120	
MW-8	12/7/2011	<0.001	<0.002	<0.002	<0.004	348	
MW-8	3/11/2012	<0.001	<0.002	<0.002	<0.004	345	
MW-8	6/5/2012	<0.001	<0.002	<0.002	<0.003	316	
MW-8	9/7/2012	<0.001	<0.002	<0.002	<0.003	308	
MW-8	12/4/2012	<0.001	<0.002	<0.002	<0.003	304	

Notes:

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

2.) Monitoring well location MW-5 was not installed due geologic refusal that was encountered during drilling activities.

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

4.) MW-6 was not sampled during the third quarter 2012 due to an obstruction in the well.

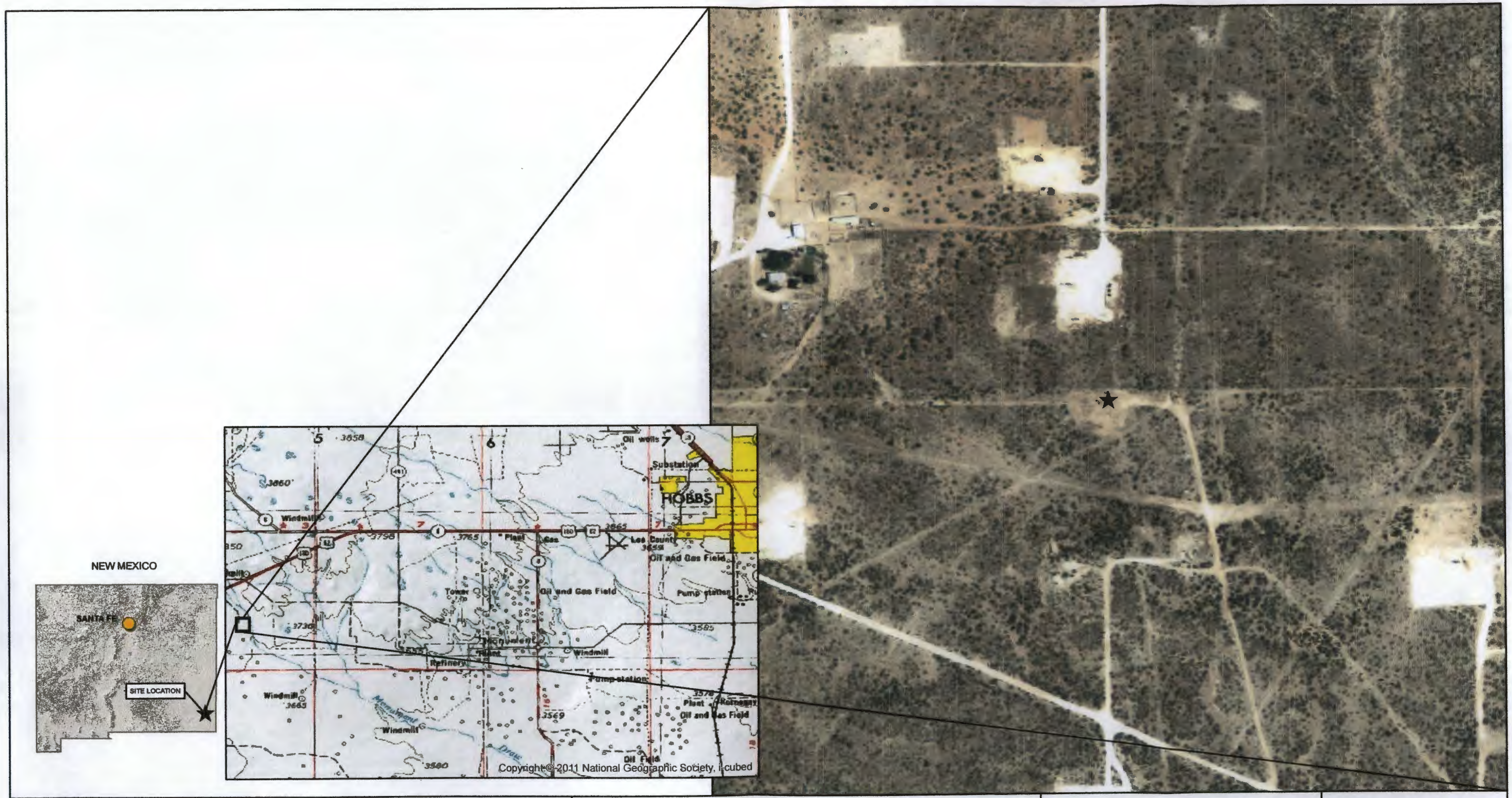
Sample locations are shown on Figure 2 and analytical results are illustrated on Figure 4.

* Chlorides are subject to the National Secondary Drinking Water Regulations (NSDWR) secondary maximum contaminant levels (SMCLs) and not an enforceably regulated constituent. The 250 mg/L standard is established only as a guideline to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor.

LNAPL = Light Non-Aqueous Phase Liquid

mg/L = milligrams per liter.

Figures



DESIGNED BY: C. Wasko DRAWN BY: J. Clonts SHEET CHK'D BY: CROSS CHK'D BY: APPROVED BY: APPROVED BY:	TASMAN GEOSCIENCES Tasman Geosciences, LLC 6899 Pecos Street - Unit C Denver, CO 80221 303 487 1228	**J-4-2 PIPELINE RELEASE**	SITE LOCATION	FIGURE 1

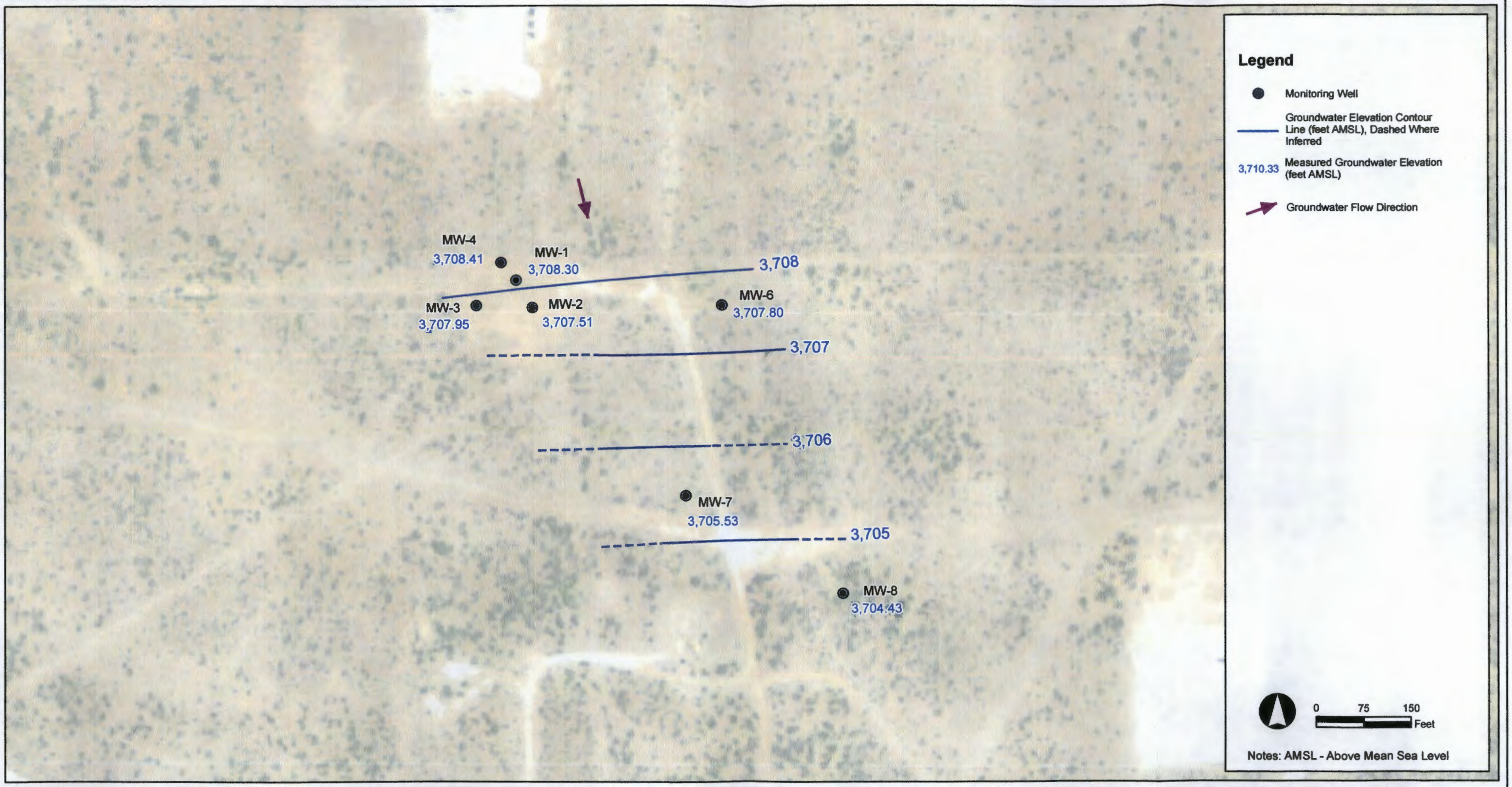
DESIGNED BY: C. Wasko
DRAWN BY: J. Clonts
SHEET CHK'D BY:
CROSS CHK'D BY:
APPROVED BY:
APPROVED BY:

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

J-4-2 PIPELINE RELEASE

SITE MAP

FIGURE
2



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303 487 1228

J-4-2 PIPELINE RELEASE

Fourth Quarter 2012 Groundwater Monitoring Summary Report

GROUNWATER ELEVATION CONTOUR MAP (DECEMBER 4, 2012)

FIGURE 3

MW-4		
Compound	9/7/2012 (mg/L)	12/4/2012 (mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003
Chlorides	1910	1940

MW-1		
Compound	9/7/2012 (mg/L)	12/4/2012 (mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003
Chlorides	2060	2240

MW-6		
Compound	9/7/2012 (mg/L)	12/7/2012 (mg/L)
Benzene	NS	<0.001
Toluene	NS	<0.002
Ethylbenzene	NS	<0.002
Total Xylenes	NS	<0.003
Chlorides	NS	578

MW-3		
Compound	9/7/2012 (mg/L)	12/4/2012 (mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003
Chlorides	2180	2170

MW-7		
Compound	9/7/2012 (mg/L)	12/4/2012 (mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003
Chlorides	1140	1120

MW-2		
Compound	9/7/2012 (mg/L)	12/4/2012 (mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	0.0008
Total Xylenes	<0.003	0.0028
Chlorides	2280	2440

MW-8		
Compound	9/7/2012 (mg/L)	12/4/2012 (mg/L)
Benzene	<0.001	<0.001
Toluene	<0.002	<0.002
Ethylbenzene	<0.002	<0.002
Total Xylenes	<0.003	<0.003
Chlorides	308	304

Legend

- Monitoring Well

Notes:

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

LNAPL - Light Non Aqueous Phase Liquid

0 75 150 Feet

DESIGNED BY: C. Wasko
DRAWN BY: J. Clonts
SHEET CHK'D BY:
CROSS CHK'D BY:
APPROVED BY:
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Denver, CO 80221
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J-4-2 PIPELINE RELEASE

Fourth Quarter 2012 Groundwater Monitoring Summary Report

ANALYTICAL RESULTS MAP

FIGURE 4

Appendix A

Laboratory Analytical Report

Mountain States ACCUTEST LABORATORIES

12/13/12

Technical Report for

DCP Midstream, LP

TASMCOA:DCP J-4-2

Accutest Job Number: D41671

Sampling Dates: 12/04/12 - 12/07/12

Report to:

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

Total number of pages in report: **37**

ACCREDITED IN ACCORDANCE WITH nelac

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

Brad Madadian
Laboratory Director

Client Service contact: Shea Greiner 303-425-6021

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

Sections: 1 2 3 4 5 6 7

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Accutest Laboratories

Sample Summary

DCP Midstream, LP

Job No: D41671

TASMCOA:DCP J-4-2

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D41671-1	12/04/12	13:25	CW	12/08/12	AQ	Ground Water	MW-1
D41671-2	12/04/12	13:50	CW	12/08/12	AQ	Ground Water	MW-2
D41671-3	12/04/12	13:10	CW	12/08/12	AQ	Ground Water	MW-3
D41671-4	12/04/12	13:20	CW	12/08/12	AQ	Ground Water	MW-4
D41671-5	12/04/12	07:05	CW	12/08/12	AQ	Ground Water	MW-6
D41671-6	12/07/12	12:45	CW	12/08/12	AQ	Ground Water	MW-7
D41671-7	12/04/12	12:20	CW	12/08/12	AQ	Ground Water	MW-8
D41671-7D	12/04/12	12:20	CW	12/08/12	AQ	Water Dup/MSD	MW-8
D41671-7M	12/04/12	12:20	CW	12/08/12	AQ	Water Matrix Spike	MW-8
D41671-8	12/04/12	00:00	CW	12/08/12	AQ	Ground Water	DUP
D41671-9	12/04/12	00:00	CW	12/08/12	AQ	Trip Blank Water	TRIP BLANKS

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	DCP Midstream, LP	**Job No**	D41671
Site:	TASMCOA:DCP J-4-2	**Report Date**	12/13/2012 1:49:00 PM

On 12/08/2012, 8 sample(s), 1 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 0.9 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D41671 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

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

Volatiles by GCMS By Method SW846 8260B

Matrix AQ **Batch ID:** V3V1289

- All samples were analyzed within the recommended method holding time.
- Sample(s) D41670-5MS, D41670-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- D41671-5: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.
- D41671-4: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.
- D41671-2: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.

Matrix AQ **Batch ID:** V7V928

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

Wet Chemistry By Method EPA 300.0/SW846 9056

Matrix AQ **Batch ID:** GP8880

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D41671-7MS, D41671-7MSD were used as the QC samples for the Chloride analysis.

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

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

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

Summary of Hits

Job Number: D41671
Account: DCP Midstream, LP
Project: TASMCOA:DCP J-4-2
Collected: 12/04/12 thru 12/07/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D41671-1	**MW-1**					
Chloride		2210	50		mg/l	EPA 300.0/SW846 9056
D41671-2	**MW-2**					
Ethylbenzene [a]		0.00080 J	0.0020	0.00033	mg/l	SW846 8260B
Xylene (total) [a]		0.0028 J	0.0030	0.0020	mg/l	SW846 8260B
Chloride		2440	50		mg/l	EPA 300.0/SW846 9056
D41671-3	**MW-3**					
Chloride		2170	50		mg/l	EPA 300.0/SW846 9056
D41671-4	**MW-4**					
Chloride		1940	50		mg/l	EPA 300.0/SW846 9056
D41671-5	**MW-6**					
Chloride		578	10		mg/l	EPA 300.0/SW846 9056
D41671-6	**MW-7**					
Chloride		1120	50		mg/l	EPA 300.0/SW846 9056
D41671-7	**MW-8**					
Chloride		304	10		mg/l	EPA 300.0/SW846 9056
D41671-8	**DUP**					
Chloride		2240	50		mg/l	EPA 300.0/SW846 9056
D41671-9	**TRIP BLANKS**					

No hits reported in this sample.

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

Mountain States ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: MW-1
Lab Sample ID: D41671-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP J-4-2

Date Sampled: 12/04/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V22065.D	1	12/10/12	BR	n/a	n/a	V3V1289
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	118%		62-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	86%		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-1
Lab Sample ID: D41671-1
Matrix: AQ - Ground Water
Project: TASMCOA:DCP J-4-2

Date Sampled: 12/04/12
Date Received: 12/08/12
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	2210	50	mg/l	100	12/11/12 13:35	GH	EPA 300.0/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	D41671-2	**Date Sampled:**	12/04/12
Matrix:	AQ - Ground Water	**Date Received:**	12/08/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TASMCOA:DCP J-4-2		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3V22066.D	1	12/10/12	BR	n/a	n/a	V3V1289
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00027	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	0.00080	0.0020	0.00033	mg/l	J
1330-20-7	Xylene (total)	0.0028	0.0030	0.0020	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	120%		62-130%
2037-26-5	Toluene-D8	107%		70-130%
460-00-4	4-Bromofluorobenzene	92%		69-130%

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

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

Report of Analysis

Client Sample ID: MW-2
Lab Sample ID: D41671-2
Matrix: AQ - Ground Water
Project: TASMCOA:DCP J-4-2

Date Sampled: 12/04/12
Date Received: 12/08/12
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	2440	50	mg/l	100	12/11/12 13:46	GH	EPA 300.0/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-3
Lab Sample ID: D41671-3
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP J-4-2

Date Sampled: 12/04/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V22067.D	1	12/11/12	BR	n/a	n/a	V3V1289
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		62-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	86%		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-3
Lab Sample ID: D41671-3
Matrix: AQ - Ground Water
Project: TASMCOA:DCP J-4-2

Date Sampled: 12/04/12
Date Received: 12/08/12
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	2170	50	mg/l	100	12/11/12 13:57	GH	EPA 300.0/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	D41671-4	**Date Sampled:**	12/04/12
Matrix:	AQ - Ground Water	**Date Received:**	12/08/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TASMCOA:DCP J-4-2		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3V22068.D	1	12/11/12	BR	n/a	n/a	V3V1289
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		62-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	86%		69-130%

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

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

Report of Analysis

Client Sample ID: MW-4
Lab Sample ID: D41671-4
Matrix: AQ - Ground Water
Project: TASMCOA:DCP J-4-2

Date Sampled: 12/04/12
Date Received: 12/08/12
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	1940	50	mg/l	100	12/11/12 14:08	GH	EPA 300.0/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	D41671-5	**Date Sampled:**	12/04/12
Matrix:	AQ - Ground Water	**Date Received:**	12/08/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TASMCOA:DCP J-4-2		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3V22069.D	1	12/11/12	BR	n/a	n/a	V3V1289
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	117%		62-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	85%		69-130%

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

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

Report of Analysis

Client Sample ID: MW-6
Lab Sample ID: D41671-5
Matrix: AQ - Ground Water
Project: TASMCOA:DCP J-4-2

Date Sampled: 12/04/12
Date Received: 12/08/12
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	578	10	mg/l	20	12/11/12 11:09	GH	EPA 300.0/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-7
Lab Sample ID: D41671-6
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP J-4-2

Date Sampled: 12/07/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17100.D	1	12/11/12	JL	n/a	n/a	V7V928
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	90%		62-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	92%		69-130%

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

Report of Analysis

Client Sample ID: MW-7
Lab Sample ID: D41671-6
Matrix: AQ - Ground Water
Project: TASMCOA:DCP J-4-2

Date Sampled: 12/07/12
Date Received: 12/08/12
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	1120	50	mg/l	100	12/11/12 14:19	GH	EPA 300.0/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	D41671-7	**Date Sampled:**	12/04/12
Matrix:	AQ - Ground Water	**Date Received:**	12/08/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TASMCOA:DCP J-4-2		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	7V17101.D	1	12/11/12	JL	n/a	n/a	V7V928
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

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

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

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

Report of Analysis

Client Sample ID: MW-8
Lab Sample ID: D41671-7
Matrix: AQ - Ground Water
Project: TASMCOA:DCP J-4-2

Date Sampled: 12/04/12
Date Received: 12/08/12
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	304	10	mg/l	20	12/11/12 11:32	GH	EPA 300.0/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID: DUP
Lab Sample ID: D41671-8
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: TASMCOA:DCP J-4-2

Date Sampled: 12/04/12
Date Received: 12/08/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17104.D	1	12/11/12	JL	n/a	n/a	V7V928
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

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

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

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	D41671-8	**Date Sampled:**	12/04/12
Matrix:	AQ - Ground Water	**Date Received:**	12/08/12
		Percent Solids:	n/a
Project:	TASMCOA:DCP J-4-2		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	2240	50	mg/l	100	12/11/12 14:53	GH	EPA 300.0/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANKS		
Lab Sample ID:	D41671-9	**Date Sampled:**	12/04/12
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/08/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TASMCOA:DCP J-4-2		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V17105.D	1	12/11/12	JL	n/a	n/a	V7V928
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

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

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 # D41671

Client / Reporting Information

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

Project Information

Project Name: DCP J-4-2
Street:
City: State:
Project #: RC - GN00 Project - 390660601
Client Purchase Order #:
Project Manager: Jim Dawe jdawe@tasman-geo.com

Billing Information (If different from Report to)

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

Requested Analysis (see TEST CODE sheet)

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

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260BTX	CHL	MS/MSD for V8260BTX	LAB USE ONLY
			12/4/12	[redacted]	CW														
	MW-1			1315		GW	4	3				1				X	X		01
	MW-2			1350		GW	4	3				1				X	X		02
	MW-3			1310		GW	4	3				1				X	X		03
	MW-4			1320		GW	4	3				1				X	X		04
	MW-6		12/7/12	705		GW	4	3				1				X	X		05
	MW-7		12/4/12	1245		GW	4	3				1				X	X		06
	MW-8		[redacted]	1220		GW	4	3				1				X	X		07
	MW-8 MS/MSD			1220		GW	6	6										X	07
	DUP					GW	4	3				1				X	X		08
	TRIP BLANK					GW	2	2								X			09 TB

Turnaround Time (Business days)

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

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

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

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

Comments / Special Instructions

Email results to Steve Weathers
cc: CWASKO@tasman-geo.com

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	12/7/12 1700	1 Fedex	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4	12/9/12 9:00	4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable	On Ice	Cooler Temp.
5		5		Intact		X	0.9 °C

5.1 5

D41671: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D41671 **Client:** DCP MIDSTREAM **Immediate Client Services Action Required:** No

Date / Time Received: 12/8/2012 9:00:00 AM **No. Coolers:** 1 **Client Service Action Required at Login:** No

Project: DCP J-4-2 **Airbill #'s:** FX

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

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

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

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

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

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

Comments

Accutest Laboratories
V:(303) 425-6021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www/accutest.com

D41671: Chain of Custody
Page 2 of 2

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: D41671
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP J-4-2

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

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

D41671-1, D41671-2, D41671-3, D41671-4, D41671-5

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

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

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

Method Blank Summary

Job Number: D41671
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP J-4-2

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

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

D41671-6, D41671-7, D41671-8, D41671-9

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

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

Blank Spike Summary

Job Number: D41671
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP J-4-2

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

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

D41671-1, D41671-2, D41671-3, D41671-4, D41671-5

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

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

* = Outside of Control Limits.

Blank Spike Summary

Job Number: D41671
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP J-4-2

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

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

D41671-6, D41671-7, D41671-8, D41671-9

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D41671
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP J-4-2

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

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

D41671-1, D41671-2, D41671-3, D41671-4, D41671-5

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D41671
Account: DCPMCODN DCP Midstream, LP
Project: TASMCOA:DCP J-4-2

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

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

D41671-6, D41671-7, D41671-8, D41671-9

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

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

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

* = Outside of Control Limits.

Mountain States ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D41671
Account: DCPMCODN - DCP Midstream, LP
Project: TASMCOA:DCP J-4-2

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP8880/GN18044	0.50	0.0	mg/l	20	20.5	102.5	90-110%

Associated Samples:
Batch GP8880: D41671-1, D41671-2, D41671-3, D41671-4, D41671-5, D41671-6, D41671-7, D41671-8
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D41671
Account: DCPMCODN - DCP Midstream, LP
Project: TASMCOA:DCP J-4-2

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP8880/GN18044	D41671-7	mg/l	304	200	509	102.5	80-120%

Associated Samples:
Batch GP8880: D41671-1, D41671-2, D41671-3, D41671-4, D41671-5, D41671-6, D41671-7, D41671-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D41671
Account: DCPMCODN - DCP Midstream, LP
Project: TASMCOA:DCP J-4-2

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP8880/GN18044	D41671-7	mg/l	304	200	509	0.0	20%

Associated Samples:
Batch GP8880: D41671-1, D41671-2, D41671-3, D41671-4, D41671-5, D41671-6, D41671-7, D41671-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Appendix B

Historical Groundwater Analytical Results

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
J-4-2 PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		**0.01**	**0.75**	**0.75**	**0.62**	**250***	
MW-1	2/1/2006	0.139	0.326	0.34	0.31	NA	
MW-1	9/1/2006	0.0487	0.0058	0.0284	0.0694	NA	
MW-1	9/25/2006	**0.042**	0.025	0.0048	0.061		
MW-1	9/25/2006	**0.056**	0.032	0.0068	0.078		
MW-1	12/1/2006	LNAPL	LNAPL	LNAPL	LNAPL	NA	
MW-1	3/1/2007	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	6/1/2007	LNAPL	LNAPL	0.004	LNAPL	LNAPL	
MW-1	9/1/2007	0.011	0.003	0.04	0.098	NA	
MW-1	1/1/2007	0.107	0.024	0.014	0.39	NA	
MW-1	11/30/2007	**0.107**	0.0243	0.0401	0.39		
MW-1	3/1/2008	0.037	0.0155	LNAPL	0.215	NA	
MW-1	3/20/2008	**0.0416**	0.0186	0.0177	0.26		
MW-1	6/1/2008	LNAPL	LNAPL	LNAPL	LNAPL	NA	
MW-1	9/1/2008	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	12/1/2008	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	3/11/2009	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014		
MW-1	5/18/2009	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	9/24/2009	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	12/20/2009	<0.002	<0.002	.0014J	0.0418	2680	
MW-1	12/20/2009	<0.00050	<0.00043	0.0014	0.0418		
MW-1	3/10/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	6/13/2010	0.0016	<0.001	<0.0003	0.0095	1800	
MW-1	6/14/2010	0.0016	<1.0	<0.30	-		
MW-1	9/29/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	12/8/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	3/30/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	9/16/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	12/7/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	3/11/2012	<0.001	<0.002	<0.002	<0.004	2970	
MW-1	6/5/2012	<0.001	<0.002	<0.002	<0.003	2480	
MW-1	9/7/2012	<0.001	<0.002	<0.002	<0.003	2060	
MW-1	12/4/2012	<0.001	<0.002	<0.002	<0.003	2240	Duplicate sample collected

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
J-4-2 PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		**0.01**	**0.75**	**0.75**	**0.62**	**250***	
MW-2	2/1/2006	0.026	0.038	0.04	0.335		
MW-2	9/1/2006	0.0045	<0.001	0.0027	0.0471		
MW-2	12/1/2006	0.006	0.003	0.003	0.0613		
MW-2	3/1/2007	0.188	0.006	0.026	0.125		
MW-2	6/1/2007	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	9/1/2007	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	11/1/2007	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	11/30/2007	0.006	0.0033	0.0025	0.0613		
MW-2	3/1/2008	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	3/20/2008	**0.188**	0.0062	0.0262	0.125		
MW-2	6/1/2008	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	9/1/2008	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	12/1/2008	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	3/11/2009	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	5/18/2009	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	9/24/2009	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	12/20/2009	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	3/10/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	6/13/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	9/29/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	12/8/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	3/30/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	9/16/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	12/7/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	3/11/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	6/5/2012	0.00043	<0.002	0.0024	0.0069	2450	
MW-2	9/7/2012	<0.001	<0.002	<0.002	<0.003	2280	
MW-2	12/4/2012	<0.001	<0.002	0.0008	0.0028	2440	

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
J-4-2 PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		**0.01**	**0.75**	**0.75**	**0.62**	**250***	
MW-3	2/1/2006	<0.001	<0.001	<0.001	<0.002	NA	
MW-3	9/1/2006	<0.002	<0.002	<0.002	<0.006	NA	
MW-3	9/25/2006	<0.23	<0.54	<0.48	<1.1		
MW-3	3/14/2007	<0.00023	<0.00054	<0.00048	<0.0011		
MW-3	11/30/2007	0.0011	<0.00048	<0.00045	<0.0060		
MW-3	12/1/2006	<0.002	<0.002	<0.002	<0.006	NA	
MW-3	3/1/2007	<0.002	<0.002	<0.002	<0.006	7800	
MW-3	6/1/2007	0.003	0.005	0.002	0.01	10800	
MW-3	9/1/2007	<0.001	<0.001	<0.001	<0.001	NA	
MW-3	11/1/2007	0.0011J	<0.002	<0.002	<0.006	NA	
MW-3	3/1/2008	<0.002	<0.002	<0.002	<0.006	NA	
MW-3	3/20/2008	<0.00046	<0.00048	<0.00045	<0.0014		
MW-3	6/1/2008	<0.002	<0.002	<0.002	0.007	NA	
MW-3	9/1/2008	<0.002	<0.002	<0.002	<0.006	4070	
MW-3	12/1/2008	<0.002	<0.002	<0.002	<0.006	2625	
MW-3	12/3/2008	<0.00046	<0.00048	<0.00045	<0.0014		
MW-3	3/11/2009	<0.002	<0.002	<0.002	<0.002	2860	
MW-3	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014		
MW-3	5/18/2009	<0.002	<0.002	<0.002	<0.002	3270	
MW-3	5/18/2009	<0.00046	<0.00048	<0.00045	<0.0014		
MW-3	9/24/2009	<0.002	<0.002	<0.002	<0.006	3195	
MW-3	9/24/2009	<0.00050	<0.00043	<0.00055	<0.0017		
MW-3	12/20/2009	<0.002	<0.002	<0.002	<0.006	3605	
MW-3	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017		
MW-3	3/10/2010	<0.001	<0.002	<0.002	<0.004	3030	
MW-3	3/10/2010	<0.40	<1.0	<1.0	-		
MW-3	6/13/2010	<0.0003	<0.001	<0.0003	<0.0006	2130	
MW-3	6/13/2010	<0.30	<1.0	<0.30	-		
MW-3	9/29/2010	<0.001	<0.002	<0.002	<0.004	2220	
MW-3	9/29/2010	<0.00030	<0.0010	<0.00030	-		
MW-3	12/8/2010	<0.001	<0.002	<0.002	<0.004	2530	
MW-3	12/8/2010	<0.00030	<0.0010	<0.00030	-		
MW-3	3/30/2011	<0.001	<0.002	<0.002	<0.002	2230	
MW-3	3/30/2011	<0.00030	<0.0010	<0.00030	<0.00060		
MW-3	6/11/2011	<0.001	<0.002	<0.002	<0.004	2210	
MW-3	6/20/2011	<0.00025	<0.0010	<0.00050	<0.0020		
MW-3	9/16/2011	<0.001	<0.002	<0.002	<0.004	2190	Duplicate sample collected
MW-3	12/7/2011	<0.001	<0.002	<0.002	<0.004	2230	Duplicate sample collected
MW-3	3/11/2012	<0.001	<0.002	<0.002	<0.004	2210	
MW-3	6/5/2012	<0.001	<0.002	<0.002	<0.003	2080	
MW-3	9/7/2012	<0.001	<0.002	<0.002	<0.003	2180	
MW-3	12/4/2012	<0.001	<0.002	<0.002	<0.003	2170	

APPENDIX B
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J-4-2 PIPELINE RELEASE
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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		**0.01**	**0.75**	**0.75**	**0.62**	**250***	
MW-4	2/1/2006	NI	NI	NI	NI	NA	
MW-4	6/1/2006	0.0086	.00093J	0.0092	0.0061	NA	
MW-4	9/27/2006	0.0086	0.0092	0.00093	0.0061		
MW-4	12/1/2006	0.025	0.005	<0.002	0.0065	NA	
MW-4	3/1/2007	0.004	6E-04	<0.002	0.003	1300	
MW-4	3/14/2007	0.0044	0.0006	<0.00048	0.0032		
MW-4	6/1/2007	<0.001	<0.001	<0.001	<0.001	1380	
MW-4	9/1/2007	<0.001	<0.001	<0.001	<0.001	NA	
MW-4	11/1/2007	<0.002	<0.002	<0.002	<0.006	NA	
MW-4	11/30/2007	<0.00046	<0.00048	<0.00045	<0.0060		
MW-4	3/1/2008	<0.002	<0.002	<0.002	<0.006	NA	
MW-4	3/20/2008	<0.00046	<0.00048	<0.00045	<0.0014		
MW-4	6/1/2008	<0.002	<0.002	<0.002	<0.006	NA	
MW-4	9/1/2008	<0.002	<0.002	<0.002	.0041J	1440	
MW-4	12/1/2008	<0.002	<0.002	<0.002	<0.006	70	
MW-4	12/3/2008	<0.00046	<0.00048	<0.00045	<0.0014		
MW-4	3/11/2009	<0.002	<0.002	<0.002	<0.002	1390	
MW-4	5/18/2009	<0.002	<0.002	<0.002	<0.002	1440	
MW-4	5/18/2009	<0.00046	<0.00048	<0.00045	<0.0014		
MW-4	9/24/2009	<0.002	<0.002	<0.002	<0.006	1490	
MW-4	9/24/2009	<0.00050	<0.00043	<0.00055	<0.0017		
MW-4	12/20/2009	<0.002	<0.002	<0.002	<0.006	1740	
MW-4	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017		
MW-4	3/10/2010	<0.001	<0.002	<0.002	<0.004	1950	
MW-4	3/10/2010	<0.40	<1.0	<1.0	-		
MW-4	6/13/2010	<0.0003	<0.001	<0.0003	<0.0006	2150	
MW-4	6/13/2010	<0.30	<1.0	<0.30	-		
MW-4	9/29/2010	<0.001	<0.002	<0.002	<0.004	2130	
MW-4	9/29/2010	<0.00030	<0.0010	<0.00030	-		
MW-4	12/8/2010	<0.001	<0.002	<0.002	<0.004	2740	
MW-4	12/8/2010	<0.00030	<0.0010	<0.00030	-		
MW-4	3/30/2011	<0.001	<0.002	<0.002	<0.002	2300	
MW-4	3/30/2011	<0.00030	<0.0010	<0.00030	<0.00060		
MW-4	6/11/2011	<0.001	<0.002	<0.002	<0.004	2230	
MW-4	6/20/2011	<0.00025	<0.0010	<0.00050	<0.0020		
MW-4	9/16/2011	<0.001	<0.002	<0.002	<0.004	1980	
MW-4	12/7/2001	<0.001	<0.002	<0.002	<0.004	2010	
MW-4	3/11/2012	<0.001	<0.002	<0.002	<0.004	1960	Duplicate sample collected
MW-4	6/5/2012	<0.001	<0.002	<0.002	<0.003	1790	Duplicate sample collected
MW-4	9/7/2012	<0.001	<0.002	<0.002	<0.003	1910	Duplicate sample collected
MW-4	12/4/2012	<0.001	<0.002	<0.002	<0.003	1940	

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J-4-2 PIPELINE RELEASE
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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		**0.01**	**0.75**	**0.75**	**0.62**	**250***	
MW-6	2/1/2006	NI	NI	NI	NI	NA	
MW-6	9/1/2006	<0.002	<0.002	<0.002	<0.006	NA	
MW-6	9/27/2006	<0.23	<0.54	<0.48	<1.1		
MW-6	12/1/2006	<0.002	<0.002	<0.002	<0.006	NA	
MW-6	3/1/2007	<0.002	<0.002	<0.002	<0.006	669	
MW-6	3/14/2007	<0.00023	<0.00054	<0.00048	<0.0011		
MW-6	6/1/2007	<0.001	<0.001	<0.001	<0.001	544	
MW-6	9/1/2007	<0.001	<0.001	<0.001	<0.001	NA	
MW-6	11/1/2007	<0.002	<0.002	<0.002	<0.006	NA	
MW-6	11/30/2007	<0.00023	<0.00054	<0.00048	<0.0011		
MW-6	3/1/2008	<0.002	<0.002	<0.002	<0.006	NA	
MW-6	3/20/2008	<0.00046	<0.00048	<0.00045	<0.0014		
MW-6	6/1/2008	<0.002	<0.002	<0.002	<0.006	NA	
MW-6	9/1/2008	<0.002	<0.002	<0.002	<0.006	537	
MW-6	12/1/2008	<0.002	<0.002	<0.002	<0.002	391	
MW-6	12/3/2008	<0.00046	<0.00048	<0.00045	<0.0014		
MW-6	3/11/2009	<0.002	<0.002	<0.002	<0.002	363	
MW-6	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014		
MW-6	5/18/2009	<0.002	<0.002	<0.002	<0.006	383	
MW-6	5/18/2009	<0.00046	<0.00048	<0.00045	<0.0014		
MW-6	9/24/2009	<0.002	<0.002	<0.002	<0.006	373	
MW-6	9/24/2009	<0.00050	<0.00043	<0.00055	<0.0017		
MW-6	12/20/2009	<0.002	<0.002	<0.002	<0.006	1090	
MW-6	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017		
MW-6	3/10/2010	NA	NA	NA	NA	NA	
MW-6	6/13/2010	<0.0003	<0.001	<0.0003	<0.006	533	
MW-6	6/13/2010	<0.30	<1.0	<0.30	-		
MW-6	9/29/2010	<0.001	<0.002	<0.002	<0.004	445	
MW-6	9/29/2010	<0.00030	<0.0010	<0.00030	-		
MW-6	12/8/2010	<0.001	<0.002	<0.002	<0.004	513	
MW-6	12/8/2010	<0.00030	<0.0010	<0.00030	-		
MW-6	3/30/2011	<0.001	<0.002	<0.002	<0.002	491	
MW-6	3/30/2011	<0.00030	<0.0010	<0.00030	<0.00060		
MW-6	6/11/2011	<0.001	<0.002	<0.002	<0.004	503	
MW-6	6/20/2011	<0.00025	<0.0010	<0.00050	<0.0020		
MW-6	9/16/2011	<0.001	<0.002	<0.002	<0.004	476	
MW-6	12/7/2011	<0.001	<0.002	<0.002	<0.004	526	
MW-6	3/11/2012	<0.001	<0.002	<0.002	<0.004	522	
MW-6	6/5/2012	<0.001	<0.002	<0.002	<0.003	532	
MW-6 [4]	9/7/2012	NS	NS	NS	NS	NS	
MW-6	12/4/2012	<0.001	<0.002	<0.002	<0.003	578	

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J-4-2 PIPELINE RELEASE
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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		**0.01**	**0.75**	**0.75**	**0.62**	**250***	
MW-7	2/1/2006	NI	NI	NI	NI	NA	
MW-7	6/1/2006	<0.002	<0.002	<0.002	<0.006	NA	
MW-7	9/27/2006	<0.23	<0.54	<0.48	<1.1		
MW-7	12/1/2006	<0.002	<0.002	<0.002	<0.006	NA	
MW-7	3/1/2007	<0.002	<0.002	<0.002	<0.006	1230	
MW-7	3/14/2007	<0.00023	<0.00054	<0.00048	<0.0011		
MW-7	6/1/2007	<0.001	<0.001	<0.001	0.003	1150	
MW-7	9/1/2007	<0.001	<0.001	<0.001	<0.001	NA	
MW-7	11/1/2007	<0.002	<0.002	<0.002	<0.006	NA	
MW-7	11/30/2007	<0.00023	<0.00054	<0.00048	<0.0011		
MW-7	3/1/2008	<0.002	<0.002	<0.002	<0.006	NA	
MW-7	3/20/2008	<0.00046	<0.00048	<0.00045	<0.0014		
MW-7	6/1/2008	<0.002	<0.002	<0.002	<0.006	NA	
MW-7	9/1/2008	<0.002	<0.002	<0.002	<0.006	1180	
MW-7	12/1/2008	<0.002	<0.002	<0.002	<0.002	1050	
MW-7	12/3/2008	<0.00046	<0.00048	<0.00045	<0.0014		
MW-7	3/11/2009	<0.002	<0.002	<0.002	<0.002	944	
MW-7	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014		
MW-7	5/18/2009	<0.002	<0.002	<0.002	<0.006	1090	
MW-7	5/18/2009	<0.00046	<0.00048	<0.00045	<0.0014		
MW-7	9/24/2009	<0.002	<0.002	<0.002	<0.006	1140	
MW-7	9/24/2009	<0.00050	<0.00043	<0.00055	<0.0017		
MW-7	12/20/2009	<0.002	<0.002	<0.002	<0.006	1440	
MW-7	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017		
MW-7	3/10/2010	<0.001	<0.002	<0.002	<0.004	1230	
MW-7	3/10/2010	<0.40	<1.0	<1.0	-		
MW-7	6/13/2010	<0.0003	<0.001	<0.0003	<0.006	1280	
MW-7	6/13/2010	<0.30	<1.0	<0.30	-		
MW-7	9/29/2010	<0.001	<0.002	<0.002	<0.004	1210	
MW-7	9/29/2010	<0.00030	<0.0010	<0.00030	-		
MW-7	12/8/2010	<0.001	<0.002	<0.002	<0.004	1180	
MW-7	12/8/2010	<0.00030	<0.0010	<0.00030	-		
MW-7	3/30/2011	<0.001	<0.002	<0.002	<0.002	1210	
MW-7	3/30/2011	<0.00030	<0.0010	<0.00030	<0.00060		
MW-7	6/11/2011	<0.001	<0.002	<0.002	<0.004	1210	
MW-7	6/20/2011	<0.00025	<0.0010	<0.00050	<0.0020		
MW-7	9/16/2011	<0.001	<0.002	<0.002	<0.004	1170	
MW-7	12/7/2011	<0.001	<0.002	<0.002	<0.004	1200	
MW-7	3/11/2012	<0.001	<0.002	<0.002	<0.004	1220	
MW-7	6/5/2012	<0.001	<0.002	<0.002	<0.003	1120	
MW-7	9/7/2012	<0.001	<0.002	<0.002	<0.003	1140	
MW-7	12/4/2012	<0.001	<0.002	<0.002	<0.003	1120	

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J-4-2 PIPELINE RELEASE
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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		**0.01**	**0.75**	**0.75**	**0.62**	**250***	
MW-8	12/1/2006	NI	NI	NI	NI	NA	
MW-8	9/1/2006	<0.002	<0.002	<0.002	<0.006	NA	
MW-8	9/27/2006	<0.23	<0.54	<0.48	<1.1		
MW-8	12/1/2006	<0.002	<0.002	<0.002	<0.006	NA	
MW-8	3/1/2007	<0.002	<0.002	<0.002	<0.006	609	
MW-8	3/14/2007	<0.00023	<0.00054	<0.00048	<0.0011		
MW-8	3/14/2007	-	-	-	-		
MW-8	6/1/2007	<0.001	<0.001	<0.001	<0.001	617	
MW-8	9/1/2007	<0.001	<0.001	<0.001	<0.001	NA	
MW-8	11/1/2007	<0.002	<0.002	<0.002	<0.006	NA	
MW-8	11/30/2007	<0.00046	<0.00048	<0.00045	<0.0060		
MW-8	3/1/2008	<0.002	<0.002	<0.002	<0.006	NA	
MW-8	3/20/2008	<0.00046	<0.00048	<0.00045	<0.0014		
MW-8	6/1/2008	<0.002	<0.002	<0.002	<0.006	NA	
MW-8	9/1/2008	<0.002	<0.002	<0.002	<0.006	735	
MW-8	12/1/2008	<0.002	<0.002	<0.002	<0.002	480	
MW-8	12/3/2008	<0.00046	<0.00048	<0.00045	<0.0014		
MW-8	3/11/2009	<0.002	<0.002	<0.002	<0.002	417	
MW-8	3/11/2009	<0.00046	<0.00048	<0.00045	<0.0014		
MW-8	5/18/2009	<0.002	<0.002	<0.002	<0.006	378	
MW-8	5/18/2009	<0.00046	<0.00048	<0.00045	<0.0014		
MW-8	9/24/2009	<0.002	<0.002	<0.002	<0.006	403	
MW-8	9/24/2009	<0.00050	<0.00043	<0.00055	<0.0017		
MW-8	12/20/2009	<0.002	<0.002	<0.002	<0.006	308	
MW-8	12/20/2009	<0.00050	<0.00043	<0.00055	<0.0017		
MW-8	3/10/2010	<0.001	<0.002	<0.002	<0.004	414	
MW-8	3/10/2010	<0.40	<1.0	<1.0	-		
MW-8	6/13/2010	<0.0003	<0.001	<0.0003	<0.006	415	
MW-8	6/13/2010	<0.30	<1.0	<0.30	-		
MW-8	9/29/2010	<0.001	<0.002	<0.002	<0.004	347	
MW-8	9/29/2010	<0.00030	<0.0010	<0.00030	-		
MW-8	12/8/2010	<0.001	<0.002	<0.002	<0.004	336	
MW-8	12/8/2010	<0.00030	<0.0010	<0.00030	-		
MW-8	3/30/2011	<0.001	<0.002	<0.002	<0.002	383	
MW-8	3/30/2011	<0.00030	<0.0010	<0.00030	<0.00060		
MW-8	6/11/2011	<0.001	<0.002	<0.002	<0.004	454	
MW-8	6/20/2011	<0.00025	<0.0010	<0.00050	<0.0020		
MW-8	9/16/2011	<0.001	<0.002	<0.002	<0.004	368	
MW-8	12/7/2011	<0.001	<0.002	<0.002	<0.004	348	
MW-8	3/11/2012	<0.001	<0.002	<0.002	<0.004	345	
MW-8	6/5/2012	<0.001	<0.002	<0.002	<0.003	316	
MW-8	9/7/2012	<0.001	<0.002	<0.002	<0.003	308	
MW-8	12/4/2012	<0.001	<0.002	<0.002	<0.003	304	

Notes:
1.) The environmental cleanup standards for water that are applicable to this site are the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards.
2.) Monitoring well location MW-5 was not installed due geologic refusal that was encountered during drilling activities.
3.) Data presented for all other well locations includes previous four sampling events, when available.
Sample locations are shown on Figure 2 and analytical results are illustrated on Figure 4.
* Chlorides are subject to the National Secondary Drinking Water Regulations (NSDWR) secondary maximum contaminant levels (SMCLs) and not an enforceably regulated
LNAPL = Light Non-Aqueous Phase Liquid
mg/L = milligrams per liter.