GW-163

4th QTR 2009 GW Mon. Report

DATE:
2009

FOURTH QUARTER 2009 GROUNDWATER MONITORING REPORT

APEX COMPRESSOR STATION GW-163
LATITUDE: N 32.708700° LONGITUDE: W 103.3089°
LEA COUNTY, NEW MEXICO

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CONESTOGA-ROVERS
& ASSOCIATES

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CONESTOGA-ROVERS
& ASSOCIATES

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) is submitting this *Fourth Quarter 2009 Groundwater Monitoring Report* to DCP Midstream, LP (DCP) for the Apex Compressor Station. This report summarizes the November 16 through 18, 2009 groundwater sampling results. Groundwater monitoring and sampling details, analytical results, and conclusions are presented below.

Site Background: The site is located in Lea County, New Mexico approximately nine miles west of Hobbs, New Mexico (Figure 1). The site occupies approximately 1.8 acres in an undeveloped area. Petroleum hydrocarbons were discovered in soil and groundwater beneath a former tank battery during a 2004 property transaction. There are 24 groundwater monitoring and recovery wells onsite.

Hydrogeology: Historical static groundwater depths have ranged between 51.69 (RW-06) to 65.87 feet (ft) below ground surface (bgs) (MW-10). Static groundwater depths ranged from 59.41 (MW-D) to 65.87 ft bgs (MW-10) on November 16, 2009. Groundwater flow was to the south-southeast with a gradient of 0.0085 (Figure 2).

2.0 GROUNDWATER MONITORING AND SAMPLING

CRA gauged groundwater monitoring wells MW-01 through MW-07, MW-09, MW-10, MW-B through MW-D, and recovery wells RW-1 through RW-12 on November 16, 2009 and collected samples from MW-02 through MW-07, MW-09, MW-10, MW-B through MW-D, RW-01, RW-02, and RW-05 through RW-12 on November 17 and 18, 2009. Light non-aqueous phase liquids (LNAPL) were measured in wells MW-01, RW-03, and RW-04 and groundwater samples were not collected. Each well cap was removed to allow groundwater levels to stabilize and equilibrate prior to gauging. All sampled wells were purged of approximately three well-casing volumes then temperature, pH, and conductivity were measured. Groundwater samples, including duplicate samples, were collected using clean disposable bailers and decanted into clean containers supplied by the analytical laboratory. Groundwater samples were submitted under chain-of-custody to Accutest Laboratories of Texas. CRA well sampling forms are presented as Appendix A. CRA's standard operating procedures for groundwater monitoring and sampling are presented as Appendix B. Groundwater gauging results are summarized in Table 1. Groundwater field parameters are summarized in Table 2.

LNAPL Recovery: LNAPL was encountered in wells MW-01 (0.16 ft), RW-03 (2.85 ft), and RW-04 (3.07 ft). CRA manually recovered approximately 0.02 gallons LNAPL from MW-01 and 1.25 gallons LNAPL from wells RW-03 and RW-04 on November 16, 2009. LNAPL recovery is summarized in Table 3.

Purged Groundwater: Purged groundwater from all site monitoring wells was transferred to a secure facility and stored in a secure location in sealed U.S. Department of Transportation 55-gallon drums. The drums were labeled with contents, date of generation, generator identification, and consultant contact information. Purged groundwater will be disposed at the DCP Linam Ranch facility.

3.0 ANALYTICAL RESULTS

Groundwater Analytical Methods: Groundwater samples collected from MW-02 through MW-10, MW-B through MW-D, RW-01, RW-02, and RW-05 through RW-12 were analyzed for the following:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8260.

Cleanup Levels: The New Mexico Oil Conservation Division (NMOCD) guidelines require groundwater to be analyzed for potential constituents of concern (COC) as defined by the New Mexico Water Quality Control Commission (NMWQCC) regulations. The COC in site groundwater is LNAPL in the form of natural gas condensate. NMWQCC human heath standards for groundwater (*Title 20, Chapter 6, Part 2, Subsection A*) are:

Analyte	NMWQCC Standard for Groundwater micrograms per liter (µg/l)
Benzene	10
Toluene	750
Ethylbenzene	750
Total xylenes	620

Groundwater Sampling Results: No BTEX was detected above NMQWCC standards in wells MW-02, MW-05, MW-09, MW-10, MW-B, MW-C, and RW-09 through RW-12. The maximum benzene concentration was 5,740 micrograms per liter (µg/l) in sample

RW-05. Groundwater analytical results are summarized in Table 4. The laboratory analytical report is presented as Appendix C.

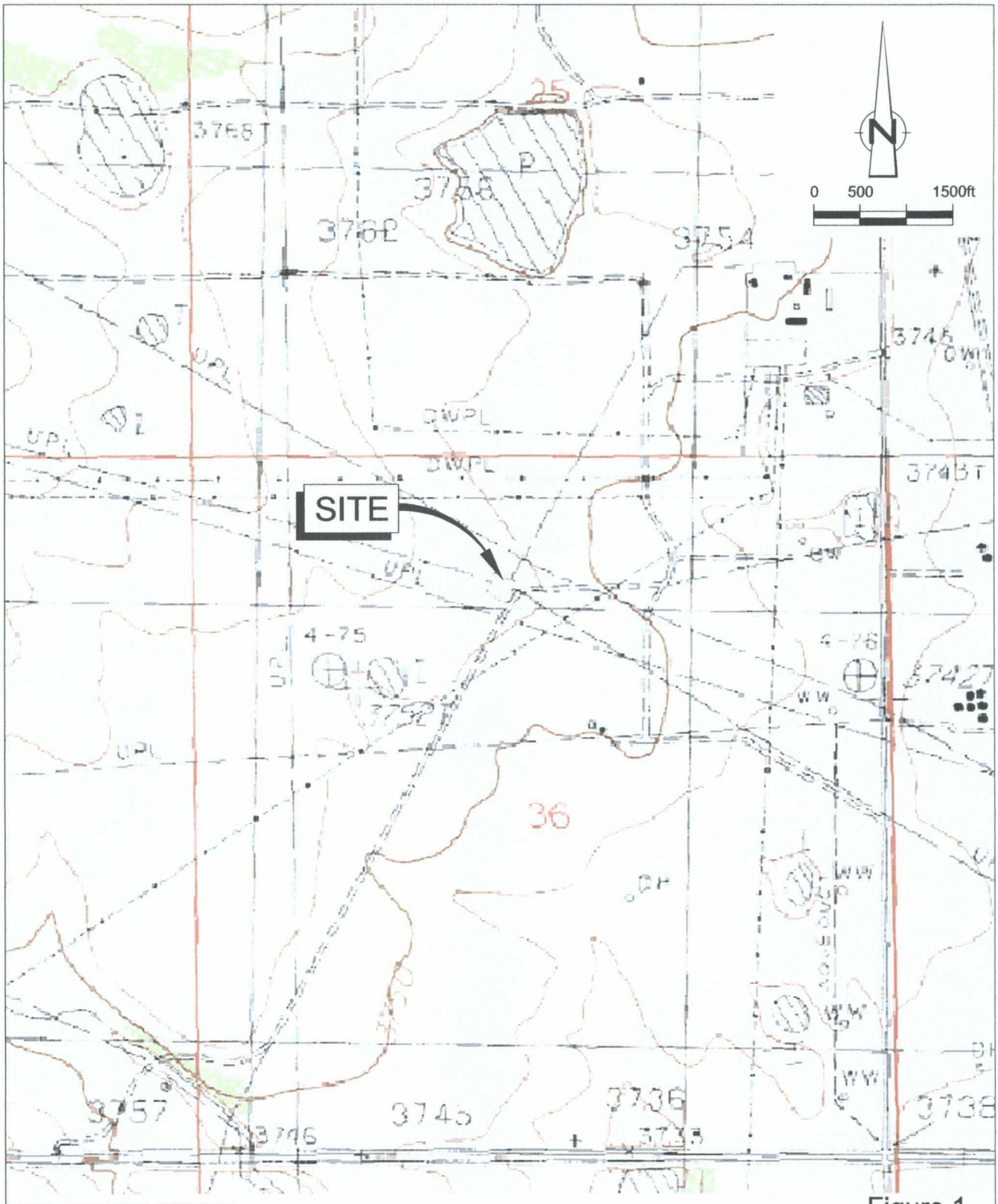
4.0 CONCLUSIONS

LNAPL has likely migrated cross-gradient to MW-01 based on site data. LNAPL has been present in wells RW-3 and RW-4 since January 2008 and measured in well MW-01 since June 2009, suggesting cross migration from wells RW-3 and RW-4. DCP will continue monthly remedial observation and maintenance and quarterly monitoring and sampling during 2010 to evaluate site groundwater conditions.

FIGURES

FIGURE 1: VICINITY MAP

FIGURE 2: GROUNDWATER ELEVATION CONTOUR MAP

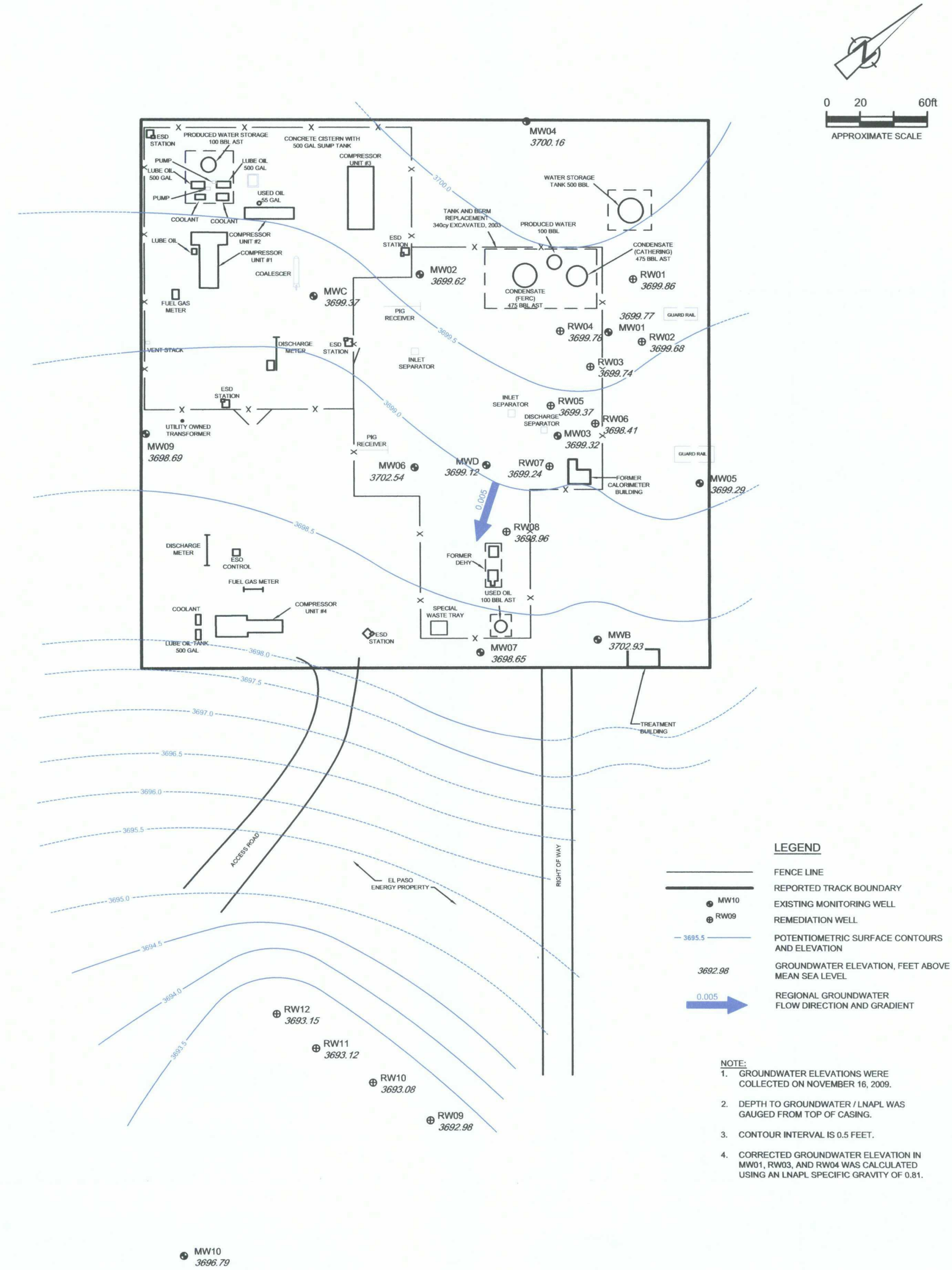


QUAD: USGS MONUMENT NORTH

Figure 1

VICINITY MAP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO
DCP Midstream

059097-10(010)GN-MD001 MAR 1/2010



NOTE:

1. GROUNDWATER ELEVATIONS WERE COLLECTED ON NOVEMBER 16, 2009.
2. DEPTH TO GROUNDWATER / LNAPL WAS GAUGED FROM TOP OF CASING.
3. CONTOUR INTERVAL IS 0.5 FEET.
4. CORRECTED GROUNDWATER ELEVATION IN MW01, RW03, AND RW04 WAS CALCULATED USING AN LNAPL SPECIFIC GRAVITY OF 0.81.

figure 2

GROUNDWATER GRADIENT MAP - NOVEMBER 16, 2009
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO
DCP Midstream

058660-10(010)GN-MD003 FEB 10/2010

TABLES

TABLE 1: GROUNDWATER GAUGING

TABLE 2: GROUNDWATER FIELD PARAMETERS

TABLE 3: LNAPL RECOVERY

TABLE 4: GROUNDWATER ANALYTICAL RESULTS

TABLE 1
GROUNDWATER GAUGING SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)
MW-01	1/10/2008	59.83	---	---	3699.92	68.80
3759.75	2/7/2008	59.88	---	---	3699.87	
	3/3/2008	59.71	---	---	3700.04	
	6/2/2008	59.73	---	---	3700.02	
	9/15/2008	59.68	---	---	3700.07	
	12/3/2008	59.70	---	---	3700.05	
	1/29/2009	59.70	---	---	3700.05	
	2/24/2009	59.76	---	---	3699.99	
	6/24/2009	59.83	59.79	0.04	3699.95	
	9/2/2009	60.06	59.99	0.07	3699.75	
	11/16/2009	60.17	60.01	0.16	3699.71	NA
MW-02	1/10/2008	59.84	---	---	3699.83	67.89
3759.67	2/7/2008	59.69	---	---	3699.98	
	3/3/2008	59.69	---	---	3699.98	
	6/2/2008	59.68	---	---	3699.99	
	9/15/2008	59.70	---	---	3699.97	
	12/3/2008	59.74	---	---	3699.93	
	1/29/2009	59.75	---	---	3699.92	
	2/24/2009	59.59	---	---	3700.08	
	6/24/2009	59.84	---	---	3699.83	
	9/2/2009	59.97	---	---	3699.7	
	11/16/2009	60.05	---	---	3699.62	69.18
MW-03	1/10/2008	59.79	---	---	3699.54	69.90
3759.33	2/7/2008	59.63	---	---	3699.70	
	3/3/2008	59.62	---	---	3699.71	
	6/2/2008	59.57	---	---	3699.76	
	9/15/2008	59.66	---	---	3699.67	
	12/3/2008	59.65	---	---	3699.68	
	1/29/2009	59.60	---	---	3699.73	
	2/25/2009	59.55	---	---	3699.78	
	6/24/2009	59.73	---	---	3699.6	
	9/2/2009	59.94	---	---	3699.39	
	11/16/2009	60.01	---	---	3699.32	69.59
MW-04	1/10/2008	61.46	---	---	3700.48	73.20
3761.94	2/7/2008	61.42	---	---	3700.52	
	3/3/2008	61.42	---	---	3700.52	
	6/2/2008	61.34	---	---	3700.60	
	9/15/2008	61.47	---	---	3700.47	
	12/3/2008	61.43	---	---	3700.51	
	1/29/2009	61.40	---	---	3700.54	
	2/24/2009	61.31	---	---	3700.63	
	6/24/2009	61.59	---	---	3700.35	
	9/2/2009	61.70	---	---	3700.24	
	11/16/2009	61.78	---	---	3700.16	71.94
MW-05	1/10/2008	64.46	---	---	3696.51	73.31
3760.97	2/7/2008	61.35	---	---	3699.62	
	3/3/2008	61.30	---	---	3699.67	
	6/2/2008	61.18	---	---	3699.79	
	9/15/2008	61.29	---	---	3699.68	
	12/3/2008	61.30	---	---	3699.67	
	2/24/2009	61.14	---	---	3699.83	
	6/24/2009	61.41	---	---	3699.56	
	9/2/2009	61.57	---	---	3699.4	
	11/16/2009	61.68	---	---	3699.29	72.00
MW-06	1/10/2008	62.61	---	---	3699.34	73.06
3761.95	2/7/2008	62.52	---	---	3699.43	
	3/3/2008	62.48	---	---	3699.47	
	6/2/2008	NM	---	---	NM	
	9/15/2008	NM	---	---	NM	
	12/3/2008	NM	---	---	NM	
	1/29/2009	NM	---	---	NM	
	6/24/2009	59.21	---	---	3702.74	
	9/2/2009	59.31	---	---	3702.64	
	11/16/2009	59.41	---	---	3702.54	67.55
MW-07	1/10/2008	63.18	---	---	3698.80	73.00
3761.98	2/7/2008	63.06	---	---	3698.92	
	3/3/2008	63.01	---	---	3698.97	
	6/2/2008	62.94	---	---	3699.04	
	9/15/2008	63.07	---	---	3698.91	
	12/3/2008	63.10	---	---	3698.88	
	1/29/2009	63.00	---	---	3698.98	
	2/24/2009	62.88	---	---	3699.10	
	6/23/2009	63.08	---	---	3698.90	
	9/2/2009	63.25	---	---	3698.73	
	11/16/2009	63.33	---	---	3698.65	72.31

TABLE 1
GROUNDWATER GAUGING SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)
MW-09	1/10/2008	63.65	---	---	3698.89	73.55
3762.54	2/7/2008	63.62	---	---	3698.92	
	3/3/2008	63.56	---	---	3698.98	
	6/2/2008	63.49	---	---	3699.05	
	9/15/2008	63.62	---	---	3698.92	
	12/3/2008	63.65	---	---	3698.89	
	1/29/2009	63.60	---	---	3698.94	
	2/24/2009	65.47	---	---	3697.07	
	6/23/2009	63.65	---	---	3698.89	
	9/2/2009	63.77	---	---	3698.77	
	11/16/2009	63.85	---	---	3698.69	72.93
MW-10	1/10/2008	65.78	---	---	3696.88	75.04
3762.66	2/7/2008	65.74	---	---	3696.92	
	3/3/2008	65.66	---	---	3697.00	
	6/2/2008	65.89	---	---	3696.77	
	9/15/2008	65.84	---	---	3696.82	
	12/3/2008	65.75	---	---	3696.91	
	1/29/2009	65.70	---	---	3696.96	
	2/24/2009	65.53	---	---	3697.13	
	6/23/2009	65.63	---	---	3697.03	
	9/2/2009	65.85	---	---	3696.81	
	11/16/2009	65.87	---	---	3696.79	71.90
MW-B	1/10/2008	59.45	---	---	3699.07	62.36
3758.52	2/7/2008	59.34	---	---	3703.20	
	3/3/2008	59.29	---	---	3703.25	
	6/2/2008	59.19	---	---	3703.35	
	9/15/2008	59.32	---	---	3703.22	
	12/3/2008	59.31	---	---	3703.23	
	1/29/2009	59.30	---	---	3703.24	
	2/24/2009	59.17	---	---	3703.37	
	6/23/2009	59.37	---	---	3703.17	
	9/2/2009	59.54	---	---	3703.00	
	11/16/2009	59.61	---	---	3702.93	71.30
MW-C	1/10/2008	60.33	---	---	3699.60	71.68
3759.93	2/7/2008	60.24	---	---	3699.69	
	3/3/2008	60.21	---	---	3699.72	
	6/2/2008	60.15	---	---	3699.78	
	9/15/2008	60.22	---	---	3699.71	
	12/3/2008	60.30	---	---	3699.63	
	1/29/2009	60.20	---	---	3699.73	
	2/24/2009	60.12	---	---	3699.81	
	6/23/2009	60.32	---	---	3699.61	
	9/2/2009	60.42	---	---	3699.51	
	11/16/2009	60.56	---	---	3699.37	67.90
MW-D	1/10/2008	60.19	---	---	3699.34	71.51
3759.53	2/7/2008	60.08	---	---	3699.45	
	3/3/2008	60.04	---	---	3699.49	
	6/2/2008	59.97	---	---	3699.56	
	9/15/2008	60.10	---	---	3699.43	
	12/3/2008	60.10	---	---	3699.43	
	1/29/2009	60.15	---	---	3699.38	
	2/24/2009	59.94	---	---	3699.59	
	6/23/2009	60.18	---	---	3699.35	
	9/2/2009	60.29	---	---	3699.24	
	11/16/2009	60.41	---	---	3699.12	71.30
RW-01	1/10/2008	59.39	---	---	3700.10	70.65
3759.49	2/7/2008	59.28	---	---	3700.21	
	3/3/2008	59.62	---	---	3699.87	
	6/2/2008	59.11	---	---	3700.38	
	9/15/2008	59.21	---	---	3700.28	
	12/3/2008	59.25	---	---	3700.24	
	1/29/2009	59.25	---	---	3700.24	
	2/24/2009	59.12	---	---	3700.37	
	6/23/2009	59.34	---	---	3700.15	
	9/2/2009	59.55	---	---	3699.94	
	11/16/2009	59.63	---	---	3699.86	68.34
RW-02	1/10/2008	59.33	---	---	3699.96	70.07
3759.29	2/7/2008	59.29	---	---	3700.00	
	3/3/2008	59.21	---	---	3700.08	
	6/2/2008	59.15	---	---	3700.14	
	9/15/2008	59.21	---	---	3700.08	
	12/3/2008	59.22	---	---	3700.07	
	1/29/2009	59.25	---	---	3700.04	
	2/24/2009	59.12	---	---	3700.17	
	6/23/2009	59.32	---	---	3699.97	
	9/2/2009	59.54	---	---	3699.75	
	11/16/2009	59.61	---	---	3699.68	69.40

TABLE 1
GROUNDWATER GAUGING SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID *TOC* *Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)
RW-03	1/10/2008	59.48	---	---	3699.98	71.35
3759.46	2/7/2008	59.46	---	---	3700.00	
	3/3/2008	60.10	59.35	0.75	3699.97	
	6/2/2008	60.36	59.16	1.20	3700.07	
	9/15/2008	60.73	59.10	1.63	3700.05	
	12/3/2008	60.73	59.07	1.66	3700.07	
	1/29/2009	61.70	58.90	2.80	3700.03	
	2/25/2009	60.67	58.94	1.73	3700.19	
	6/24/2009	61.52	59.10	2.42	3699.90	
	9/2/2009	61.95	59.13	2.82	3699.79	
	11/16/2009	62.03	59.18	2.85	3699.74	NA
RW-04	1/10/2008	62.01	59.08	2.93	3699.95	---
3759.59	2/7/2008	61.55	59.04	2.51	3700.07	
	3/3/2008	61.75	59.19	2.56	3699.91	
	6/2/2008	61.64	58.81	2.83	3700.24	
	9/15/2008	61.76	58.88	2.88	3700.16	
	12/3/2008	61.68	58.88	2.80	3700.18	
	1/29/2009	61.70	58.90	2.80	3700.16	
	2/25/2009	61.46	58.76	2.70	3700.32	
	6/24/2009	61.96	58.98	2.98	3700.04	
	9/2/2009	62.23	59.13	3.10	3699.87	
	11/16/2009	62.30	59.23	3.07	3699.78	NA
RW-05	1/10/2008	59.84	---	---	3699.69	70.10
3759.53	2/7/2008	59.74	---	---	3699.79	
	3/3/2008	59.73	---	---	3699.80	
	6/2/2008	59.65	---	---	3699.88	
	9/15/2008	59.74	---	---	3699.79	
	12/3/2008	59.76	---	---	3699.77	
	1/29/2009	59.75	---	---	3699.78	
	2/25/2009	59.70	---	---	3699.83	
	6/24/2009	59.83	---	---	3699.70	
	9/2/2009	60.04	---	---	3699.49	
	11/16/2009	60.16	---	---	3699.37	69.42
RW-06	1/10/2008	58.78	---	---	3699.66	71.55
3758.44	2/7/2008	---	---	---	---	
	3/3/2008	59.67	---	---	3698.77	
	6/2/2008	51.69	---	---	3706.75	
	9/15/2008	59.68	---	---	3698.76	
	12/3/2008	59.65	---	---	3698.79	
	1/29/2009	59.70	---	---	3698.74	
	2/25/2009	59.61	---	---	3698.83	
	6/24/2009	59.77	---	---	3698.67	
	9/2/2009	59.97	---	---	3698.47	
	11/16/2009	60.03	---	---	3698.41	71.00
RW-07	1/10/2008	60.08	---	---	3699.45	70.54
3759.53	2/7/2008	59.93	---	---	3699.60	
	3/3/2008	59.99	---	---	3699.54	
	6/2/2008	59.87	---	---	3699.66	
	9/15/2008	59.94	---	---	3699.59	
	12/3/2008	59.95	---	---	3699.58	
	1/29/2009	63.00	---	---	3696.53	
	2/25/2009	59.83	---	---	3699.70	
	6/24/2009	60.03	---	---	3699.50	
	9/2/2009	60.23	---	---	3699.30	
	11/16/2009	60.29	---	---	3699.24	70.03
RW-08	1/10/2008	60.33	---	---	3699.18	71.50
3759.51	2/7/2008	60.19	---	---	3699.32	
	3/3/2008	60.23	---	---	3699.28	
	6/2/2008	60.12	---	---	3699.39	
	9/15/2008	60.25	---	---	3699.26	
	12/3/2008	60.23	---	---	3699.28	
	1/29/2009	60.20	---	---	3699.31	
	2/24/2009	60.09	---	---	3699.42	
	6/24/2009	60.32	---	---	3699.19	
	9/2/2009	60.44	---	---	3699.07	
	11/16/2009	60.55	---	---	3698.96	69.17
RW-09	1/10/2008	61.29	---	---	3693.11	67.16
3754.4	2/7/2008	61.14	---	---	3693.26	
	3/3/2008	61.25	---	---	3693.15	
	6/2/2008	61.08	---	---	3693.32	
	9/15/2008	61.31	---	---	3693.09	
	12/3/2008	61.25	---	---	3693.15	
	1/29/2009	62.15	---	---	3692.25	
	2/24/2009	61.04	---	---	3693.36	
	6/23/2009	61.16	---	---	3693.24	
	9/2/2009	61.35	---	---	3693.05	
	11/16/2009	61.42	---	---	3692.98	66.90

TABLE 1
GROUNDWATER GAUGING SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID *TOC* *Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)
RW-10	1/10/2008	61.33	---	---	3693.20	69.95
3754.53	2/7/2008	61.19	---	---	3693.34	
	3/3/2008	61.29	---	---	3693.24	
	6/2/2008	61.14	---	---	3693.39	
	9/15/2008	61.35	---	---	3693.18	
	12/3/2008	61.30	---	---	3693.23	
	1/29/2009	61.20	---	---	3693.33	
	2/24/2009	61.10	---	---	3693.43	
	6/23/2009	61.22	---	---	3693.31	
	9/2/2009	61.40	---	---	3693.13	
	11/16/2009	61.45	---	---	3693.08	69.34
RW-11	1/10/2008	61.32	---	---	3693.29	69.93
3754.61	2/7/2008	61.27	---	---	3693.34	
	3/3/2008	61.28	---	---	3693.33	
	6/2/2008	61.45	---	---	3693.16	
	9/15/2008	61.35	---	---	3693.26	
	12/3/2008	61.33	---	---	3693.28	
	1/29/2009	61.25	---	---	3693.36	
	2/24/2009	61.14	---	---	3693.47	
	6/23/2009	61.23	---	---	3693.38	
	9/2/2009	61.42	---	---	3693.19	
	11/16/2009	61.49	---	---	3693.12	69.77
RW-12	1/10/2008	61.44	---	---	3693.32	67.16
3754.76	2/7/2008	61.35	---	---	3693.41	
	3/3/2008	61.40	---	---	3693.36	
	6/2/2008	61.29	---	---	3693.47	
	9/15/2008	61.47	---	---	3693.29	
	12/3/2008	61.40	---	---	3693.36	
	1/29/2009	61.35	---	---	3693.41	
	2/24/2009	61.24	---	---	3693.52	
	6/23/2009	61.35	---	---	3693.41	
	9/2/2009	61.54	---	---	3693.22	
	11/16/2009	61.61	---	---	3693.15	68.67

Notes:
1. ID - Identification
2. ft TOC - feet below top of casing
3. ft - feet
4. LNAPL - Light non-aqueous phase liquids
5. A specific gravity of 0.81 was used to calculate the Corrected Groundwater Elevation.
6. MSL - Mean sea level.
7. bgs - Below ground surface.
8. --- - Not measured/not analyzed
9. NA - Not available

TABLE II

GROUNDWATER FIELD PARAMETERS SUMMARY

DCP MIDSTREAM, LP

APEX COMPRESSOR STATION

LEA COUNTY, NEW MEXICO

Well ID	Sample	pH (s.u.)	Conductivity (mS/cm)	Temperature (^{0}C)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (mV)
MW-01	3/4/2008	6.57	2.137	18.65	2.51	-179.2
	6/3/2008	6.68	3.042	20.50	1.26	-105.0
	9/17/2008	6.30	3.555	19.90	0.31	-69.1
	12/4/2008	6.71	3.358	17.76	1.01	-101.7
	2/24/2009	6.64	3.414	19.74	0.69	-45.0
	6/24/2009	LNAPL present				
	9/2/2009	LNAPL present				
	11/18/2009	LNAPL present				
MW-02	3/5/2008	6.76	0.760	16.57	5.56	52.1
	6/3/2008	6.93	0.737	20.83	4.53	-76.0
	9/16/2008	6.11	0.834	19.74	1.24	21.6
	12/3/2008	6.81	0.804	18.26	0.94	-113.7
	2/24/2009	6.79	0.853	19.71	1.07	-14.7
	6/24/2009	6.70	0.100	97.00	5.49	-14.0
	9/3/2009	6.82	0.110	20.92	3.21	-33.0
	1/18/2009	7.36	0.631	21.50	NA	NA
MW-03	3/5/2008	6.84	1.344	18.30	3.49	-88.7
	6/3/2008	6.75	1.820	21.14	1.28	-136.7
	9/17/2008	6.42	1.839	20.01	0.31	-74.0
	12/4/2008	6.85	1.728	17.98	1.09	-63.4
	2/25/2009	6.80	1.880	19.73	0.93	-35.6
	6/24/2009	6.70	0.230	21.40	2.83	-81.0
	9/2/2009	6.61	0.250	20.96	1.88	-136.0
	11/18/2009	6.78	2.030	18.56	NA	NA
MW-04	3/4/2008	6.60	0.656	17.86	5.36	102.3
	6/3/2008	6.91	0.759	20.20	3.60	39.9
	9/16/2008	6.63	0.736	19.99	3.18	84.5
	12/3/2008	6.90	0.662	17.15	4.30	90.6
	2/24/2009	6.83	0.690	19.13	3.25	136.4
	6/24/2009	6.70	0.900	20.10	6.03	152.0
	9/2/2009	6.75	0.880	20.82	4.11	93.0
	11/18/2009	7.27	0.685	19.78	NA	NA
MW-05	3/4/2008	6.72	0.917	17.96	3.99	-129.5
	6/3/2008	6.89	1.016	21.34	1.74	-106.0
	9/16/2008	6.75	0.976	19.64	0.60	-56.1
	12/3/2008	7.01	0.960	18.30	1.78	-48.6
	2/24/2009	6.98	0.908	19.20	1.03	23.4
	6/24/2009	6.80	0.120	20.40	2.35	-44.0
	9/2/2009	6.65	0.140	21.40	1.90	-72.0
	11/18/2009	7.16	1.081	17.00	NA	NA
MW-06	3/5/2008	6.91	1.041	16.09	8.27	-15.3
	9/16/2008	6.65	0.184	20.32	0.48	-104.0
	12/3/2008	6.89	1.168	18.51	0.91	-71.4
	2/24/2009	6.85	1.204	19.76	0.81	21.8
	6/24/2009	6.80	0.130	20.30	9.55	-5.0
	9/2/2009	6.83	0.140	59.20	1.82	-36.0
	11/18/2009	7.12	1.250	18.67	NA	NA
MW-07	3/4/2008	6.88	1.240	17.78	2.58	-190.8
	6/3/2008	7.05	1.360	20.32	1.47	-175.1
	9/17/2008	6.43	1.379	20.52	0.58	-92.0
	12/3/2008	7.13	1.240	17.30	1.90	-93.7
	2/24/2009	7.10	1.308	19.39	1.21	-52.4
	6/23/2009	6.90	0.140	20.80	5.09	-55.0
	9/2/2009	6.87	0.160	21.12	1.98	-96.0
	11/18/2009	7.38	1.394	19.78	NA	NA

TABLE II

GROUNDWATER FIELD PARAMETERS SUMMARY

DCP MIDSTREAM, LP

APEX COMPRESSOR STATION

LEA COUNTY, NEW MEXICO

Well ID	Sample	pH (s.u.)	Conductivity (mS/cm)	Temperature (^{0}C)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (mV)
MW-09	3/4/2008	7.09	0.606	17.78	7.95	95.0
	6/3/2008	7.25	0.688	20.30	6.36	45.7
	9/16/2008	6.96	0.693	19.77	4.80	94.1
	12/3/2008	7.25	0.693	17.59	6.90	98.1
	2/24/2009	7.25	0.783	19.15	6.39	167.4
	6/23/2009	7.20	0.100	20.00	9.02	210.0
	9/2/2009	7.11	0.110	20.81	8.76	111.0
	11/18/2009	7.28	1.068	19.06	NA	NA
MW-10	3/4/2008	7.22	0.524	14.63	16.11	102.9
	6/3/2008	7.27	0.632	20.26	6.97	499.9
	9/16/2008	7.29	0.569	18.98	5.34	45.4
	12/3/2008	7.51	0.553	17.82	8.19	111.1
	2/24/2009	7.51	0.573	18.89	6.69	233.1
	6/23/2009	7.40	0.690	20.20	10.40	230.0
	9/2/2009	6.67	0.780	20.39	8.55	180.0
	11/18/2009	7.76	1.014	19.17	NA	NA
MW-B	3/4/2008	6.62	1.035	17.67	6.17	16.1
	6/3/2008	6.81	1.108	20.73	3.84	-45.2
	9/16/2008	6.28	1.099	19.71	0.95	-32.8
	12/3/2008	6.96	0.893	18.04	3.56	53.1
	2/24/2009	6.93	0.927	19.10	2.97	144.8
	6/24/2009	6.80	0.120	21.30	6.26	20.0
	9/2/2009	6.81	0.130	38.60	1.85	-69.0
	11/18/2009	7.28	1.095	16.67	NA	NA
MW-C	3/5/2008	6.98	0.595	16.89	9.97	56.9
	6/3/2008	6.99	0.773	20.83	6.90	-81.1
	9/16/2008	6.73	0.803	19.99	3.58	90.0
	12/3/2008	6.97	0.761	18.36	5.37	115.6
	2/24/2009	6.91	0.792	13.21	4.40	186.3
	6/24/2009	6.80	0.110	20.60	6.31	127.0
	9/2/2009	7.02	0.120	20.14	6.20	88.0
	11/18/2009	7.22	1.000	18.89	NA	NA
MW-D	3/5/2008	7.00	0.891	16.64	11.15	-134.4
	6/3/2008	6.83	1.249	21.09	0.75	-195.8
	9/16/2008	6.23	1.221	20.31	0.46	-102.2
	12/3/2008	6.94	1.118	18.12	1.32	-111.5
	2/24/2009	6.87	1.153	19.47	0.92	-38.1
	6/24/2009	6.80	0.130	20.70	2.01	-89.0
	9/2/2009	6.90	0.150	20.72	2.11	-128.0
	11/18/2009	7.09	1.223	18.78	NA	NA
RW-01	3/4/2008	6.68	1.884	18.34	4.02	-218.1
	6/2/2008	6.85	2.192	20.99	2.41	-136.4
	9/17/2008	6.71	1.929	20.24	0.41	-82.1
	12/4/2008	7.01	1.797	17.80	1.03	-127.4
	2/24/2009	6.90	1.922	19.91	0.50	-94.4
	6/23/2009	6.90	0.220	20.80	2.13	-121.0
	9/3/2009	6.55	0.220	19.80	1.79	-126.0
	11/18/2009	7.11	1.868	21.06	NA	NA
RW-02	3/4/2008	6.54	2.101	18.03	2.57	-185.2
	6/3/2008	6.71	2.232	20.70	1.34	-118.8
	9/17/2008	6.19	1.926	19.49	0.54	-47.3
	12/4/2008	6.92	1.527	17.78	2.07	-94.8
	2/24/2009	6.86	1.513	19.42	1.03	-68.4
	6/23/2009	6.80	0.170	20.70	2.34	-93.0
	9/3/2009	6.65	0.170	19.72	1.84	-133.0
	11/18/2009	6.92	1.420	19.17	NA	NA

TABLE II

GROUNDWATER FIELD PARAMETERS SUMMARY

DCP MIDSTREAM, LP

APEX COMPRESSOR STATION

LEA COUNTY, NEW MEXICO

Well ID	Sample	pH (s.u.)	Conductivity (mS/cm)	Temperature (^{0}C)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (mV)

TABLE 1

GROUNDWATER FIELD PARAMETERS SUMMARY

DCP MIDSTREAM, LP

APEX COMPRESSOR STATION

LEA COUNTY, NEW MEXICO

Well ID	Sample	pH (s.u.)	Conductivity (mS/cm)	Temperature (^{0}C)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (mV)
RW-03	3/3/2008	LNAPL present				
	6/3/2008	LNAPL present				
	9/16/2008	LNAPL present				
	12/3/2008	LNAPL present				
	2/25/2009	LNAPL present				
	6/24/2009	LNAPL present				
	9/2/2009	LNAPL present				
RW-04	3/3/2008	LNAPL present				
	6/3/2008	LNAPL present				
	9/16/2008	LNAPL present				
	12/3/2008	LNAPL present				
	2/25/2009	LNAPL present				
	6/24/2009	LNAPL present				
	9/2/2009	LNAPL present				
RW-05	3/5/2008	6.84	1.238	18.23	2.34	-213.9
	6/3/2008	6.81	1.644	22.10	0.91	-213.6
	9/17/2008	6.42	1.791	20.63	0.04	-75.1
	12/4/2008	6.87	1.689	18.31	0.61	-132.7
	2/25/2009	6.86	1.972	19.52	1.09	-14.3
	6/24/2009	6.70	0.230	20.80	4.54	-88.0
	9/3/2009	6.63	0.270	21.06	1.89	-134.0
	11/18/2009	6.94	2.540	18.00	NA	NA
RW-06	3/5/2008	6.91	1.217	17.81	3.47	-146.1
	6/2/2008	6.80	1.601	21.23	1.36	-182.0
	9/17/2008	6.39	1.664	19.84	0.25	-68.2
	12/4/2008	6.90	1.594	17.93	1.21	-161.8
	2/25/2009	6.82	1.753	19.79	0.86	-30.7
	6/24/2009	6.70	0.200	20.80	2.13	-81.0
	9/3/2009	6.67	0.230	20.82	2.13	-124.0
	11/18/2009	6.95	2.020	17.67	NA	NA
RW-07	3/5/2008	6.88	1.131	17.76	3.88	-113.1
	6/3/2008	6.85	1.459	21.24	1.32	-159.8
	9/17/2008	6.61	1.623	20.04	0.52	-76.9
	12/4/2008	6.93	1.593	17.74	1.14	-78.4
	2/24/2009	6.88	1.695	19.68	0.92	-47.4
	6/24/2009	6.60	0.220	21.04	4.06	-92.0
	9/3/2009	6.63	0.240	20.90	2.09	-155.0
	11/18/2009	7.24	1.601	20.50	NA	NA
RW-08	3/4/2008	6.74	1.215	17.99	2.42	-127.1
	6/3/2008	7.05	1.405	21.77	1.32	-110.0
	9/17/2008	6.50	1.307	19.87	0.88	-60.5
	12/4/2008	7.05	1.201	17.94	1.87	-61.1
	2/24/2009	6.98	1.279	19.86	1.23	-33.8
	6/24/2009	6.40	0.140	20.60	2.13	-76.0
	9/2/2009	6.91	0.150	20.94	1.87	-129.0
	11/18/2009	7.28	1.432	20.06	NA	NA

TABLE 1

GROUNDWATER FIELD PARAMETERS SUMMARY

DCP MIDSTREAM, LP

APEX COMPRESSOR STATION

LEA COUNTY, NEW MEXICO

Well ID	Sample	pH (s.u.)	Conductivity (mS/cm)	Temperature (^{0}C)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (mV)
RW-09	3/4/2008	6.79	1.100	17.67	5.21	91.4
	6/3/2008	6.93	1.183	20.12	2.52	39.7
	9/16/2008	6.20	1.238	19.73	0.72	1.8
	12/3/2008	6.91	1.133	18.59	1.29	94.3
	2/24/2009	7.04	1.096	19.31	2.43	207.4
	6/23/2009	7.10	0.110	20.80	8.83	228.0
	9/2/2009	6.92	0.130	20.82	4.29	86.0
	11/18/2009	7.09	1.270	16.28	NA	NA
RW-10	3/4/2008	6.96	0.967	16.38	7.83	169.9
	6/3/2008	7.09	1.023	20.01	7.07	132.8
	9/16/2008	7.01	1.082	19.51	4.77	83.0
	12/3/2008	7.22	0.962	18.64	6.55	98.5
	2/24/2009	7.12	1..079	19.20	5.83	218.9
	6/23/2009	7.30	0.100	20.50	9.99	227.0
	9/2/2009	7.22	0.120	20.51	7.98	126.0
	11/18/2009	7.46	1.343	17.28	NA	NA
RW-11	3/4/2008	6.88	0.832	16.95	8.66	179.1
	6/3/2008	6.89	0.909	20.43	6.89	148.7
	9/16/2008	6.98	0.910	19.22	4.11	72.4
	12/3/2008	7.12	0.879	18.41	5.49	80.6
	2/24/2009	7.19	0.876	19.18	5.46	220.6
	6/23/2009	7.40	0.780	20.20	10.95	227.0
	9/2/2009	7.31	0.100	20.92	7.86	133.0
	11/18/2009	7.43	1.034	15.67	NA	NA
RW-12	3/4/2008	7.09	0.577	16.53	10.49	157.9
	6/3/2008	7.25	0.672	19.64	6.52	157.2
	9/16/2008	7.12	0.666	19.12	4.91	63.7
	12/3/2008	7.29	0.650	18.59	6.51	56.4
	2/24/2009	7.33	0.665	18.86	6.15	215.7
	6/23/2009	7.30	0.730	20.20	9.46	226.0
	9/2/2009	7.36	0.810	20.76	7.64	146.0
	11/18/2009	7.52	0.807	15.67	NA	NA

Notes:

1. ID - Identification
2. s.u. - Standard unit
3. mS/cm - milliSiemens per centimeter
4. ^{0}C - Degree Celsius
5. mg/l - Milligrams per liter
6. mV - Millivolts
7. NA- Not analyzed

TABLE III
LNAPL RECOVERY SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft TOC)	LNAPL Recovered (gallons)
MW-01	1/26/2005	59.43	54.39	5.04	---
	2/24/05	59.94	59.54	0.40	0.25
	2/25/05	59.78	59.63	0.15	0.10
	4/28/05	59.96	59.68	0.28	---
	4/29/05	59.89	59.80	0.09	---
	5/24/05	59.98	59.74	0.24	---
	7/27/05	60.12	59.83	0.29	---
	8/24/05	60.01	59.81	0.20	---
	10/26/05	60.11	59.89	0.22	1.00
	12/1/05	60.28	59.70	0.58	1.00
	1/25/06	60.31	60.11	0.20	---
	2/15/06	60.28	60.14	0.14	---
	3/23/06	60.22	60.13	0.09	---
	5/18/06	60.37	60.27	0.10	---
	5/17/09	60.37	60.27	0.10	0.50
	6/15/06	60.44	60.34	0.10	---
	7/17/06	60.25	60.15	0.10	0.50
	8/17/06	60.45	60.41	0.04	1.00
	9/11/06	60.59	60.29	0.30	0.40
	2/26/07	59.96	59.94	0.02	0.50
	6/24/09	59.83	59.79	0.04	---
	9/2/09	60.06	59.99	0.07	---
	11/16/09	60.17	60.01	0.16	0.02
	12/15/09	---	---	---	0.25
MW-03	1/26/05	59.29	59.11	0.18	---
	2/24/05	59.76	59.50	0.26	0.25
	2/25/05	59.67	59.58	0.09	0.10
	4/28/05	59.82	59.63	0.19	---
	4/29/05	59.94	59.89	0.05	---
	5/24/05	59.81	59.70	0.11	---
	7/27/05	60.05	59.82	0.23	---
	8/24/05	59.92	59.73	0.19	---
	10/26/05	60.09	59.88	0.21	1.00
	12/1/05	60.19	59.95	0.24	1.00
	1/25/06	60.22	60.08	0.14	---
	2/15/06	60.19	60.09	0.10	---
	3/23/06	60.24	60.20	0.04	---
	5/16/06	60.32	60.25	0.07	---
	5/17/06	60.32	60.25	0.07	0.40
	6/15/06	60.35	60.31	0.04	---
	7/17/06	60.29	60.26	0.03	0.50
	8/17/06	60.42	60.36	0.06	0.10
	9/11/06	60.32	60.27	0.05	0.30
	10/16/06	60.28	60.27	0.01	---

TABLE II
LNAPL RECOVERY SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft TOC)	LNAPL Recovered (gallons)
RW-01	8/24/05	59.66	59.31	0.35	---
	7/27/05	59.90	59.34	0.56	---
	5/24/05	59.75	59.22	0.53	---
	4/29/05	59.80	59.14	0.66	---
	4/28/05	60.08	59.06	1.02	---
	10/26/05	59.78	59.41	0.37	2.00
	12/1/05	59.91	59.50	0.41	---
	1/25/06	59.96	59.66	0.30	---
	2/15/06	59.88	59.68	0.20	---
	3/23/06	59.80	59.68	0.12	---
	5/16/06	59.95	59.82	0.13	---
	5/17/06	59.95	59.82	0.13	1.00
	6/15/06	59.96	59.89	0.07	---
	7/17/06	59.90	59.74	0.16	0.50
	8/17/06	60.01	59.98	0.03	---
	9/11/06	59.92	59.83	0.09	1.00
	11/14/06	59.70	59.66	0.04	---
	12/11/06	59.83	59.81	0.02	---
	2/26/07	59.79	59.76	0.03	0.50
	6/19/06	59.55	59.51	0.04	0.10
RW-03	1/26/05	60.50	59.16	1.34	---
	2/24/05	59.86	59.34	0.52	0.25
	2/25/05	59.75	59.54	0.21	0.10
	4/28/05	59.83	59.48	0.35	---
	4/29/05	59.89	59.77	0.12	---
	5/24/05	59.82	59.55	0.27	---
	7/27/05	59.95	59.68	0.27	---
	8/24/05	59.85	59.62	0.23	---
	10/26/05	59.96	59.72	0.24	1.25
	12/1/05	60.09	59.81	0.28	1.00
	1/25/06	60.07	59.96	0.11	---
	2/15/06	60.08	59.98	0.10	---
	3/23/06	59.99	59.96	0.03	---
	5/16/06	60.19	60.10	0.09	---
	5/17/06	60.19	60.10	0.09	0.40
	6/15/06	60.12	60.07	0.05	---
	7/17/06	60.02	60.00	0.02	0.25
	8/17/06	60.25	60.24	0.01	0.10
	3/3/08	60.10	59.35	0.75	1.50
	6/2/08	60.36	59.16	1.20	---
	9/15/08	60.73	59.10	1.63	0.50
	12/3/08	60.73	59.07	1.66	2.50
	1/29/09	61.70	58.90	2.80	2.00
	2/25/09	60.67	58.94	1.73	2.00
	6/24/09	61.52	59.10	2.42	---
	9/2/09	61.95	59.13	2.82	---
	11/16/09	62.03	59.18	2.85	1.25
	12/15/09	---	---	---	2.00

TABLE III
LNAPL RECOVERY SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft TOC)	LNAPL Recovered (gallons)
RW-04	1/26/05	59.40	59.19	0.21	---
	2/24/05	60.16	59.28	0.88	0.50
	2/25/05	60.18	59.84	0.34	0.25
	4/28/05	60.53	59.34	1.19	---
	4/29/05	60.04	59.46	0.58	---
	5/24/05	60.81	59.29	1.52	---
	7/27/05	61.44	59.26	2.18	---
	8/24/05	61.52	59.12	2.40	---
	10/26/05	61.96	59.12	2.84	4.00
	12/1/05	62.11	59.22	2.89	2.00
	1/25/06	62.33	59.29	3.04	7.50
	2/15/06	61.05	59.24	1.81	---
	3/23/06	62.30	59.30	3.00	---
	5/16/06	62.55	59.39	3.16	
	5/17/06	62.55	59.39	3.16	2.50
	6/15/06	62.75	59.54	3.21	3.50
	7/17/06	62.29	59.37	2.92	2.80
	8/17/06	62.48	59.48	3.00	3.50
	9/11/06	62.55	59.43	3.12	2.00
	11/14/06	62.31	59.29	3.02	---
	12/11/06	62.17	59.24	2.93	---
	2/26/07	61.06	59.14	1.92	2.70
	3/28/07	61.98	59.09	2.89	---
	5/24/07	62.01	60.10	1.91	2.50
	6/19/07	62.04	59.14	2.90	1.50
	7/19/07	62.16	59.06	3.10	3.00
	8/16/07	62.25	59.06	3.19	4.00
	9/17/07	62.27	59.06	3.21	2.00
	10/18/07	62.48	59.20	3.28	2.00
	11/16/07	62.27	59.16	3.11	2.50
	12/12/07	60.70	59.10	1.60	3.00
	1/10/08	62.01	59.08	2.93	3.50
	2/7/08	61.55	59.04	2.51	3.50
	3/3/08	61.75	59.19	2.56	3.00
	6/2/08	61.64	58.81	2.83	4.00
	9/15/08	61.76	58.88	2.88	1.50
	12/3/08	61.68	58.88	2.80	2.75
	1/29/09	61.70	58.90	2.80	2.50
	2/25/09	61.46	58.76	2.70	3.00
	6/24/09	61.96	58.98	2.98	---
	9/2/09	62.30	59.23	3.07	---
	11/16/09	62.30	59.23	3.07	1.25
	12/15/09	---	---	---	2.00
RW-05	1/26/05	59.55	59.40	0.15	---
	2/24/05	59.90	59.59	0.31	0.25
	2/25/05	59.96	59.84	0.12	0.10
	4/28/05	59.99	59.70	0.29	---
	4/29/05	60.06	59.96	0.10	---
	5/24/05	60.01	59.77	0.24	---
	7/27/05	60.21	59.90	0.31	---
	8/24/05	60.10	59.84	0.26	---
	10/26/05	60.20	59.95	0.25	1.50
	12/1/05	60.35	60.03	0.32	1.00
	1/25/06	60.39	60.15	0.24	---
	2/15/06	60.32	60.16	0.16	---
	3/23/06	60.31	60.20	0.11	---
	5/16/06	60.38	60.32	0.06	---
	5/17/06	60.38	60.02	0.36	0.50
	6/15/06	60.46	60.39	0.07	---
	7/17/06	60.40	60.29	0.11	0.50
	8/17/06	60.50	60.48	0.02	0.10

TABLE III
LNAPL RECOVERY SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft TOC)	LNAPL Recovered (gallons)
RW-06	1/26/05	59.50	59.42	0.08	---
	2/24/05	59.77	59.60	0.17	0.10
	7/25/06	59.68	59.62	0.06	0.05
	4/28/05	59.93	59.71	0.22	---
	4/29/05	59.98	59.90	0.08	---
	5/24/05	59.95	59.77	0.18	---
	7/27/05	60.09	59.88	0.21	---
	8/24/05	59.94	59.82	0.12	---
	10/26/05	60.09	59.94	0.15	1.00
	12/1/05	60.21	60.03	0.18	1.00
	1/25/06	60.14	60.11	0.03	---
	2/15/06	60.22	60.15	0.07	---
	3/23/06	60.22	60.21	0.01	---
	5/16/06	60.37	60.28	0.09	---
	5/17/06	60.37	60.28	0.09	0.30
	6/15/06	60.42	60.39	0.03	
	7/17/06	60.27	60.26	0.01	0.25
	8/17/06	60.46	60.41	0.05	0.10
RW-08	1/25/06	61.64	60.40	1.24	---
	2/15/06	60.86	60.58	0.28	---
	3/23/06	60.70	60.61	0.09	---
	5/16/06	60.82	60.80	0.02	---
	5/17/06	60.82	60.80	0.02	0.50
	6/15/06	60.91	60.84	0.07	---
	7/17/06	60.80	60.69	0.11	0.50
	8/17/06	60.90	60.85	0.05	0.20
	9/11/06	60.89	60.83	0.06	0.30
	10/16/06	60.82	60.81	0.01	---
	2/26/07	60.38	60.27	0.11	0.50
	6/19/07	60.41	60.38	0.03	0.10

Notes:
1. ID - Identification
2. ft TOC - feet below top of casing
3. LNAPL - Light non-aqueous phase liquids
4. LNAPL recovered via hand bailing February 2005 through February 2009 by Arcadis and Energy Renewal.
5. --- - Not measured/not analyzed
6. ft - feet

TABLE IV

GROUNDWATER ANALYTICAL SUMMARY

DCP MIDSTREAM, LP

APEX COMPRESSOR STATION

LEA COUNTY, NEW MEXICO

Well ID	Sample	Benzene ug/l	Toluene ug/l	Ethyl-Benzene ug/l	Total Xylenes ug/l
NMOCD Standard		**10**	**750**	**750**	**620**
MW-01	3/4/2008	2,900	< 2,500	590	3,200
DUP-1	3/4/2008	1,600	< 50	240	1,400
	6/3/2008	4,020	483	868	5,790
	9/17/2008	3,360	443	818	4,780
	12/4/2008	2,530	< 12	641	2,990
	2/24/2009	3,870	54.9	928	5,070
	9/2/2009	LNAPL present			
	11/2/2009	LNAPL present			
MW-02	3/4/2008	39	< 5.0	< 1.0	< 3.0
	6/3/2008	30.5	< 0.48	0.67 J	1.9 J
	9/16/2008	86.8	0.53 J	2.2	27.6
	12/3/2008	40.2	< 0.48	< 0.45	< 1.4
	2/24/2009	101	< 0.48	1.4	< 1.4
	6/24/2009	146	< 2.0	2.9	5.7 J
	9/2/2009	171	< 2.0	2.4	2.0 J
	11/18/2009	8	< 2.0	< 2.0	<6.0
MW-03	3/5/2008	4,800	1,100	690	4,100
	6/3/2008	4,780	187	796	4,190
	9/17/2008	5,120	284	829	4,460
	12/4/2008	4,200	< 24	693	3,090
	2/25/2009	5,300	< 24	775	3,470
	6/24/2009	5,120	82.7 J	758	4,270
DUP-1	6/24/2009	5,260 a	99.1	917	5,060
	9/3/2009	5,290	< 200	742	4,350
DUP-1	9/3/2009	5,250 a	28.9 J	828	4,730
	11/18/09	4,400	<0.400	805	2,240
DUP-1	11/18/09	5,120	<200	887	2,540
MW-04	3/4/2008	< 1.0	< 5.0	< 1.0	< 3.0
	6/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	9/16/2008	2.9	< 0.48	1.6 J	23
	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	2/24/2009	2.2	< 0.48	< 0.45	< 1.4
	6/24/2009	3.7	< 2.0	0.90 J	4.5 J
	9/2/2009	8.1	< 2.0	0.71 J	< 6.0
	11/18/2009	13.4	< 2.0	1.9 J	3.6 J

TABLE IV
GROUNDWATER ANALYTICAL SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Sample	Benzene ug/l	Toluene ug/l	Ethyl-Benzene ug/l	Total Xylenes ug/l
NMOCD Standard		10	750	750	620
MW-05	3/4/2008	3.7	< 5.0	24	93
	6/3/2008	3.5	< 0.48	38.9	133
	9/16/2008	2.6	< 0.48	49.7	179
	12/3/2008	< 0.46	< 0.48	36	176
	2/25/2009	< 0.46	< 0.48	34.9	126
	6/24/2009	1.0 J	< 2.0	52.7	344
	9/2/2009	< 2.0	< 2.0	63.6	394 a
	11/16/2009	< 2.0	< 2.0	50.9	235
MW-06	3/5/2008	8.1	< 5.0	< 1.0	< 3.0
	9/16/2008	1.0 J	< 0.48	< 0.45	12
	12/3/2008	126	< 0.48	4.1	< 1.4
	2/24/2009	60.7	< 0.48	1.9 J	< 1.4
	6/24/2009	22.9	< 2.0	1.7 J	6.7
	9/2/2009	28.4	< 2.0	1.4 J	< 6.0
	11/18/2009	148	< 2.0	< 2.0	< 6.0
DUP-1	11/18/2009	150	< 2.0	< 2.0	< 6.0
MW-07	3/4/2008	600	< 5.0	92	86
DUP-1	6/3/2008	896	< 2.4	190	109
	6/3/2008	924	< 0.48	196	122
DUP-2	9/17/2008	869	< 0.48	201	564
	9/17/2008	997	< 0.48	206	537
	12/3/2008	1,050	< 4.8	264	917
	2/24/2009	1,560	< 4.8	330	1,160
	6/23/2009	769 a	1.2 J	190	527 a
DUP-1	9/2/2009	501 a	1.3 J	200	271 a
	9/2/2009	564 a	0.64 J	95.5	305
	11/18/2009	1,460 a	2.8	294 a	1,110 a
MW-09	3/4/2008	< 1.0	< 5.0	< 1.0	< 3.0
DUP-1	6/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	6/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	9/16/2008	0.62 J	< 0.48	0.46 J	11.6
	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	2/24/2009	< 0.46	< 0.48	< 0.45	< 1.4
	6/23/2009	< 2.0	< 2.0	< 2.0	< 6.0
	9/2/2009	< 2.0	< 2.0	< 2.0	< 6.0
	11/18/2009	< 2.0	< 2.0	< 2.0	< 6.0
MW-10	3/4/2008	< 1.0	< 5.0	< 1.0	< 3.0
	6/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	9/16/2008	< 0.46	< 0.48	< 0.45	11.1
	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	2/24/2009	< 0.46	< 0.48	< 0.45	< 1.4
	6/23/2009	< 2.0	< 2.0	< 2.0	< 6.0
	9/2/2009	< 2.0	< 2.0	< 2.0	< 6.0
	11/18/2009	< 2.0	< 2.0	< 2.0	< 6.0
MW-B	3/4/2008	< 1.0	< 5.0	< 1.0	< 3.0
	6/3/2008	40.1	161	14.1	115
	9/16/2008	63.9	230	50.5	245
	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	2/24/2009	3.0	7.8	1.0 J	6.9
	6/24/2009	60.9	566 a	92.6	553
	9/2/2009	70.6	602 a	91.5	590 a
	11/18/2009	5.4	3.3	2.2	4.9 J

TABLE IV
GROUNDWATER ANALYTICAL SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Sample	Benzene ug/l	Toluene ug/l	Ethyl-Benzene ug/l	Total Xylenes ug/l
NMOCD Standard		10	750	750	620
MW-C	3/5/2008	< 1.0	< 5.0	< 1.0	< 3.0
	6/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	9/16/2008	< 0.46	< 0.48	< 0.45	11.2
	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	2/24/2009	< 0.46	< 0.48	< 0.45	< 1.4
	6/24/2009	< 2.0	< 2.0	< 2.0	< 6.0
	9/2/2009	< 2.0	< 2.0	< 2.0	< 6.0
	11/18/2009	< 2.0	< 2.0	< 2.0	< 6.0
MW-D	3/5/2008	470	140	160	610
	6/3/2008	662	47.4	252	202
	9/16/2008	711	93.8	255	518
	12/3/2008	749	36.4	282	1,200
DUP-1	12/3/2008	738	36.7	263	1,200
	2/24/2009	759	176	277	1,070
DUP-1	2/24/2009	937	173	326	1,430
	6/24/2009	999	253	322	1,780
	9/2/2009	963	202	319	1,940
	11/18/2009	1,070	30.4	303	1,330
RW-01	3/4/2008	620	< 50	170	860
DUP-1	3/4/2008	550	< 50	200	1,000
	6/3/2008	662	7.7	712	3,750
	9/17/2008	499	2.1	345	1,480
DUP-1	9/17/2008	522	1.9 J	302	1,390
	12/4/2008	515	< 2.4	347	1,540
	2/24/2009	770	< 2.4	387	1,570
	6/23/2009	1,110 a	< 2.0	304 a	1,360
DUP-1	6/23/2009	1,160	< 2.0	315	1,400
	9/3/2009	1,100	<2.0	363	1,780
	11/18/2009	906 a	<2.0	321 a	901 a
RW-02	3/4/2008	1,400	< 50	260	880
	6/3/2008	1,230	< 0.48	348	1,100
	9/17/2008	1,160	< 0.48	344	1,220
	12/4/2008	860	< 0.48	289	779
DUP-1	12/4/2008	849	< 4.8	266	741
	2/24/2009	1,200	< 0.48	397	1,160
DUP-1	2/24/2009	1,130	< 4.8	360	1,080
	6/23/2009	1,140	< 2.0	405	1,530
	9/3/2009	962	< 2.0	417	1,830
	11/18/2009	715 a	< 2.0	303 a	846 a
RW-03	3/3/2008	LNAPL present			
	6/3/2008	LNAPL present			
	9/16/2008	LNAPL present			
	12/3/2008	LNAPL present			
	2/25/2009	LNAPL present			
	6/24/2009	LNAPL present			
	9/2/2009	LNAPL present			
	11/18/2009	LNAPL present			
RW-04	3/3/2008	LNAPL present			
	6/3/2008	LNAPL present			
	9/16/2008	LNAPL present			
	12/3/2008	LNAPL present			
	2/25/2009	LNAPL present			
	6/24/2009	LNAPL present			
	9/2/2009	LNAPL present			
	11/18/2009	LNAPL present			

TABLE IV
GROUNDWATER ANALYTICAL SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Sample	Benzene ug/l	Toluene ug/l	Ethyl-Benzene ug/l	Total Xylenes ug/l
NMOCD Standard		10	750	750	620
RW-05	3/5/2008	4,600	7,200	1,400	10,000
	6/3/2008	5,000	2,310	817	4,910
	9/17/2008	5,040	3,620	874	5,840
	12/4/2008	3,790	638	653	4,090
	2/25/2009	5,030	934	722	4,840
	6/24/2009	5,030	5,400	696	4,450
	9/3/2009	4,880	5,490	570	3,800
	11/18/2009	5,740	149 J	693	4,030
RW-06	3/5/2008	14,000	10,000	3,200	18,000
	6/3/2008	3,930	3,660	1,090	7,200
	9/17/2008	3,860	3,870	981	5,980
	12/4/2008	2,890	555	715	3,970
	2/25/2009	3,460	435	786	4,830
	6/24/2009	3,360	1,760	809	5,470
	9/3/2009	2,890	1,140	683	4,780
	11/18/2009	2,590	<200	756	4,280
RW-07	3/5/2008	1,800	< 100	280	1,300
	6/3/2008	2,230	1.1 J	334	1,290
	9/17/2008	3,160	< 24	478	2,570
	12/4/2008	3,300	< 24	439	2,000
	2/25/2009	3,930	< 24	424	2,120
	6/24/2009	3,860	< 2.0	489	2,510
	9/3/2009	3,530	< 200	403	1,950
	11/18/2009	2,310	<200	265	925
RW-08	3/4/2008	1,700	< 5,000	< 1,000	6,000
	6/3/2008	3,470	< 9.7	751	4,000
	9/17/2008	2,210	< 4.0	488	3,450
	12/4/2008	3,240	< 9.7	567	2,950
	2/25/2009	768	< 9.7	727	2,480
	6/24/2009	1,960	< 50	534	3,330
	9/2/2009	1,620	< 50	506	3,530
	11/18/2009	3,920 a	1.3 J	604 a	1,550 a
RW-09	3/4/2008	24	< 5.0	< 1.0	11.0
	6/3/2008	30.1	< 0.48	< 0.45	8.9
	9/16/2008	18.9	< 0.48	1.5 J	17.1
	12/3/2008	16.5	< 0.48	< 0.45	< 1.4
	2/24/2009	< 0.46	< 0.48	< 0.45	< 1.4
	6/23/2009	< 2.0	< 2.0	< 2.0	< 6.0
	9/2/2009	< 2.0	< 2.0	< 2.0	< 6.0
	11/18/2009	< 2.0	< 2.0	< 2.0	< 6.0
RW-10	3/4/2008	< 1.0	< 5.0	< 1.0	< 3.0
	6/3/2008	< 0.46	< 0.48	0.65 J	< 1.4
	9/16/2008	< 0.46	< 0.48	< 0.45	3.8 J
	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	2/24/2009	< 0.46	< 0.48	< 0.45	< 1.4
	6/23/2009	< 2.0	< 2.0	< 2.0	< 6.0
	9/2/2009	< 2.0	< 2.0	< 2.0	< 6.0
	11/18/2009	< 2.0	< 2.0	< 2.0	< 6.0

TABLE 7
GROUNDWATER ANALYTICAL SUMMARY
DCP MIDSTREAM, LP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Sample	Benzene ug/l	Toluene ug/l	Ethyl-Benzene ug/l	Total Xylenes ug/l
NMOCD Standard		10	750	750	620
RW-11	3/4/2008	< 1.0	< 5.0	< 1.0	< 3.0
	6/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	9/16/2008	< 0.46	< 0.48	< 0.45	< 1.4
	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	2/24/2009	< 0.46	< 0.48	< 0.45	< 1.4
	6/23/2009	< 2.0	< 2.0	< 2.0	< 6.0
	9/2/2009	< 2.0	< 2.0	< 2.0	< 6.0
	11/18/2009	< 2.0	< 2.0	< 2.0	< 6.0
RW-12	3/4/2008	< 1.0	< 5.0	< 1.0	< 3.0
	6/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	9/16/2008	< 0.46	< 0.48	< 0.45	< 1.4
	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4
	2/24/2009	< 0.46	< 0.48	< 0.45	< 1.4
	6/23/2009	< 2.0	< 2.0	< 2.0	< 6.0
	9/2/2009	< 2.0	< 2.0	< 2.0	< 6.0
	11/18/2009	< 2.0	< 2.0	< 2.0	< 6.0

Notes:
1. ID - Identification
2. All results are shown in micrograms per liter (ug/l).
3. NMOCD - New Mexico Oil Conservation Division
4. Highlighted values indicate concentrations above NMOCD clean-up levels
5. < x - constituent not detected above x ug/l
6. DUP - Duplicate
7. LNAPL - Light non-aqueous phase liquids
8. J - estimated value
9. a - result obtained from second run

APPENDIX A

WELL SAMPLING FORMS

DCP Apex Compressor
November 2009 WELL GAUGING ORDER

	Well	Field					
		Gauge	DTP	DTW	LNAPL Thickness	TD	Well Screen Interval from TOC (feet)
1	MW-10	X	[illegible]	65.87	—	71.90	
2	RW-11	X	—	61.49	—	69.77	
3	RW-12	X	—	61.61	—	68.67	
4	MW-C	X	—	60.56	—	67.90	
5	RW-10	X	—	61.45	—	69.34	
6	MW-9	X	—	63.85	—	72.93	
7	MW-5	X	—	61.68	—	72.00	
8	RW-9	X	—	61.42	—	66.90	
9	MW-4	X	—	61.78	—	71.94	
10	MW-B	X	—	59.61	—	71.30	
11	MW-6	X	—	59.41	—	67.55	
12	MW-2	X	—	60.05	—	69.18	
13	RW-8	X	—	60.55	—	69.17	
14	RW-1	X	—	59.63	—	68.34	
15	MW-D	X	—	60.41	—	71.30	
16	RW-2	X	—	59.61	—	69.40	
17	MW-7	X	—	63.33	—	72.31	
18	RW-6	X	—	60.03	—	71.00	
19	MW-1	X	60.01	60.17	.16	N/A	
20	RW-7	X	—	60.29	—	70.03	
21	RW-5	X	—	60.16	—	69.42	
22	MW-3	X	—	60.01	—	69.59	
23	RW-3	X	59.18	62.03	2.85	N/A	
24	RW-4	X	59.23	62.30	3.07	N/A	

[ ] indicates well has product

DCP Apex Compressor
November 2009 Sampling Table Order

	Well	Well Screen from TOC	Accutest Laboratories (Houston, Texas) BTEX 8260	Sample Date	Sample Time	
1	MW-10	---	X	11-18	1005	
2	RW-11	---	X	11-18	1030	
3	RW-12	---	X	11-18	1025	
4	MW-C	---	X	11-18	1220	
5	RW-10	---	X	11-18	1010	
6	MW-9	---	X	11-18	1110	
7	MW-5	---	X	11-18	1150	
8	RW-9	---	X	11-18	1045	
9	MW-4	---	X	11-18	1125	
10	MW-B	---	X	11-18	1155	
11	MW-6	---	X	11-18	1255	Dup-1
12	MW-2	---	X	11-18	1220	
13	RW-8	---	X	11-18	1345	
14	RW-1	---	X	11-18	1420	
15	MW-D	---	X	11-18	1300	
16	RW-2	---	X	11-18	1435	
17	MW-7	---	X	11-18	1350	
18	RW-6	---	X	11-18	1510	
* 19	MW-1	---	X	N/A	N/A	Had product
20	RW-7	---	X	11-18	1445	
21	RW-5	---	X	11-18	1510	
22	MW-3	---	X	11-18	1335	Dup-2
* 23	RW-3	---				
* 24	RW-4	---				

[ ] indicates well has product

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-16-09
Personnel: JL JM
1005

Monitoring Well Data:

Well No.: MW-10
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2"
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 65.87

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °F	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, V_p (mL)	No. of Well Screen Volumes Purged[4]
1005				7.70	66.5	1.014					3

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL JM
~~1040~~ 1030

Monitoring Well Data:

Well No.: RW-11
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2"
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): ~~61.49~~ 61.49

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °F	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	No. of Well Screen Volumes Purged[4]
~~1040~~				~~7.40~~	~~63.1~~	1,343					~~4~~
1030				7.43	60.2	1,034					4

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: DL & JM
Sample Time 1025

Monitoring Well Data:

Well No.: RW-12
Measurement Point:
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in):
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 61.61

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level*[3] *(ft)*	*pH*	*Temperature °C*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Volume Purged, Vp (mL)*	*No. of Well Screen Volumes Purged*[4]
1025				7.52	60.2	0.807					3.0 gal

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s = p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL & JM
Sample Time: 1220

Monitoring Well Data:

Well No.: MW-C
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in):
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 60.56

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °C	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, V_p (mL)	No. of Well Screen Volumes Purged[4]
1220				7.22	66.0	1,000					3.5

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JC JM
1010

Monitoring Well Data:

Well No.: **RW-10**
Measurement Point:
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in):
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 61.45

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °F	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	No. of Well Screen Volumes Purged[4]
1010				7.46	63.1	1.343					4

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: SL, DM
Sample Time 1110

Monitoring Well Data:

Well No.: MW-9
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in):
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 63.85

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °F	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	No. of Well Screen Volumes Purged[4]
1110				7.28	66.3	1.068					

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL ; JM
Sample Time 1150

Monitoring Well Data:

Well No.: MW-5
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in):
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 101.68

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °C	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	No. of Well Screen Volumes Purged[4]
1150				7.16	102.6	1.081					3 gal
											Dry

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s = p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL JM
Sample Time: 1045

Monitoring Well Data:

Well No.: RW-9
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2"
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 63.85

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °F	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	No. of Well Screen Volumes Purged[4]
1045				7.09	61.3	1.270					2.5

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JC JM
Sample Time: 1125

Monitoring Well Data:

Well No.: MW-4
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2"
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 61.78

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °F	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	~~No. of Well Screen Volumes~~ Purged[4]
1125	1			7.27	67.6	.685				1	5 gals

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s = p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL JM
Sample Time 1155

Monitoring Well Data:

Well No.: MW-B
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in):
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 59.61

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °F	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	No. of Well Screen Volumes Purged[4]
1155				7.28	62.0	1.095					6.0 gal

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-00
Personnel: JLDM
1255

Monitoring Well Data:

Well No.: MW-6 = Duplicate
Measurement Point:
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in):
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 59.41

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °F	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	No. of Well Screen Volumes Purged[4]
1255				7.12	65.6	1.250				4.25	
	Vault has been destroyed							N/A			
	Serious Fall Hazard install locking cover with										
	steel bucket										

Notes: was buried under cold patch or impacted soil

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s = p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing). No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JC JM
Sample time 1220

Monitoring Well Data:

Well No.: MW-2
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2" Vault
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 60.05

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °F	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (~~mL~~ gal)	No. of Well Screen Volumes Purged[4]
1220				7.36	70.7	.631				4.5	

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL JM
S.T. 1345

Monitoring Well Data:

Well No.: RW-8
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2" Vault
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 60.55

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °F	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, V_p ~~(mL)~~	No. of Well Screen Volumes Purged[4]
1345				7.28	60.81	1.423				3.75	

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JC ; JM
1420

Monitoring Well Data:

Well No.: **RW-1**
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2" Vault
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 59.63

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °C	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	No. of Well Screen Volumes Purged[4]
1420				7.18	69.9	1.868				4	

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02
Date: 11-18-09
Personnel: JL, JM
1300

Monitoring Well Data:

Well No.: MW-D
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)
Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in):
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 60.41

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °C	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	No. of Well Screen Volumes Purged[4]
1300				7.09	65.8	1.223					5.5

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s = p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL JM
Sample Time 1435

Monitoring Well Data:

Well No.: **RW-2**
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2"
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 59.61

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level[3] (ft)*	*pH*	*Temperature °F*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Volume Purged, Vp (mL)*	*No. of Well Screen Volumes Purged[4]*
14:35				6.92	66.5	1,420					

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL, JM
Sample Time 1350

Monitoring Well Data:

Well No.: MW-7
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2" casing only - old lock
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 10.33

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °C	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	No. of Well Screen Volumes Purged[4]
1350				7.38	67.6	1.394					4.5 gal

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_S=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL JM
Sample Time 1510

Monitoring Well Data:

Well No.: RW-6
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2"
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 60.03

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °C	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, V_p (mL)	No. of Well Screen Volumes Purged[4]
1510				6.95	63.8	2.02					5.5 gal

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date:
Personnel:

Monitoring Well Data:

Well No.: MW-1
Measurement Point:
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in):
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft):

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level*[3] *(ft)*	*pH*	*Temperature °C*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Volume Purged, Vp (mL)*	*No. of Well Screen Volumes Purged*[4]

HAD Product

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s = p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL / VM
S.T. 1445

Monitoring Well Data:

Well No.: RW-7
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2" Vault
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 60.29

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level (ft)*[3]	*pH*	*Temperature °C*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Volume Purged, Vp (mL)*	*No. of Well Screen Volumes Purged*[4]
1445				7.24	68.9	1.601				5	

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL JM
1510

Monitoring Well Data:

Well No.: RW-5
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2" Vault
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 6.06

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °F	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, V_p (mL)	No. of Well Screen Volumes Purged[4]
1510				6.94	64.4	2.59				4 gal	

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s = p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: DCP Apex Compressor
Ref. No.: 058660-02

Date: 11-18-09
Personnel: JL JM
Sample Time: 1535

Monitoring Well Data:

Well No.: MW-3 Dup-2
Measurement Point: TOC
Constructed Well Depth (ft):
Measured Well Depth (ft):
Screen Interval (ft TOC)

Screen Length (ft):
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2" 0.40/ft
Well Screen Volume, V_s (mL)[2]:
Initial Depth to Water (ft): 60.01

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level[3] (ft)	pH	Temperature °C	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, Vp (mL)	No. of Well Screen Volumes Purged[4]
1535				10.78	65.4	2.03				4.5	

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length, $V_s=p*(D/2)^2*(5*12)*(2.54)^3$

(3) The drawdown from the initial water level should not exceed 0.3 ft.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stablization criteria and appear to be stablizing), No. of Well Screen Volumes Purged= Vp/Vs.

APPENDIX B

STANDARD OPERATING PROCEDURES FOR GROUNDWATER MONITORING AND SAMPLING

CONESTOGA-ROVERS
& ASSOCIATES

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND SAMPLING

This document presents standard field methods for groundwater monitoring, purging and sampling, and well development. These procedures are designed to comply with Federal, State and local regulatory guidelines. Conestoga-Rovers & Associates' specific field procedures are summarized below.

Groundwater Monitoring

Prior to performing monitoring activities, the historical monitoring and analytical data of each monitoring well shall be reviewed to determine if any of the wells are likely to contain separate phase hydrocarbons (SPH) and to determine the order in which the wells will be monitored (i.e. cleanest to dirtiest). Groundwater monitoring should not be performed when the potential exists for surface water to enter the well (i.e. flooding during a rainstorm).

Prior to monitoring, each well shall be opened and the well cap removed to allow water levels to stabilize and equilibrate. The condition of the well box and well cap shall be observed and recommended repairs noted. Any surface water that may have entered and flooded the well box should be evacuated prior to removing the well cap. In wells with no history of SPH, the static water level and total well depth shall be measured to the nearest 0.01 foot with an electronic water level meter. Wells with the highest contaminant concentrations shall be monitored last. In wells with a history of SPH, the SPH level/thickness and static water level shall be measured to the nearest 0.01 foot using an electronic interface probe. The water level meter and/or interface probe shall be thoroughly cleaned and decontaminated at the beginning of the monitoring event and between each well. Monitoring equipment shall be washed using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water.

Groundwater Purging and Sampling

Prior to groundwater purging and sampling, the historical analytical data of each monitoring well shall be reviewed to determine the order in which the wells should be purged and sampled (i.e. cleanest to dirtiest). No purging or groundwater sampling shall be performed on wells with a measurable thickness of SPH or floating SPH globules. If a sheen is observed, the well should be purged and a groundwater sample collected only if no SPH is present. Wells shall be purged either by hand using a disposal or PVC bailer or by using an aboveground pump (e.g. peristaltic or Wattera™) or down-hole pump (e.g. Grundfos™ or DC Purger pump).

Groundwater wells shall be purged approximately three to ten well-casing volumes (depending on the regulatory agency requirements) or until groundwater parameters of temperature, pH, and conductivity have stabilized to within 10% for three consecutive readings. Temperature, pH, and conductivity shall be measured and recorded at the start of purging, once per well casing volume removed, and at the completion of purging. The total volume of groundwater removed shall be recorded along with any other notable physical characteristic such as color and odor. If required, field parameters such as turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) shall be measured prior to collection of each groundwater sample.

Groundwater samples shall be collected after the well has been purged and allowed to recharge to 80% of the pre-purging static water level, or if the well is slow to recharge, after waiting a minimum of 2 hours. Groundwater samples shall be collected using clean disposable bailers or

pumps (if an operating remediation system exists on site and the project manager approves of its use for sampling) and shall be decanted into clean containers supplied by the analytical laboratory. New latex gloves and disposable tubing or bailers shall be used for sampling each well. If a PVC bailer or down-hole pump is used for groundwater purging, it shall be decontaminated before purging each well by using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water. If a submersible pump with non-dedicated discharge tubing is used for groundwater purging, both the inside and outside of pump and discharge tubing shall be decontaminated as described above.

Sample Handling

Except for samples that will be tested in the field, or that require special handling or preservation, samples shall be stored in coolers chilled to 4° C for shipment to the analytical laboratory. Samples shall be labeled, placed in protective foam sleeves or bubble wrap as needed, stored on crushed ice at or below 4° C, and submitted under chain-of-custody (COC) to the laboratory. The laboratory shall be notified of the sample shipment schedule and arrival time. Samples shall be shipped to the laboratory within a time frame to allow for extraction and analysis to be performed within the standard sample holding times.

Sample labels shall be filled out using indelible ink and must contain the site name; field identification number; the date, time, and location of sample collection; notation of the type of sample; identification of preservatives used; remarks; and the signature of the sampler. Field identification must be sufficient to allow easy cross-reference with the field datasheet.

All samples submitted to the laboratory shall be accompanied by a COC record to ensure adequate documentation. One copy of the COC shall be kept in the QA/QC file and another copy shall be retained in the project file. Information on the COC shall consist of the project name and number; project location; sample numbers; sampler/recorder's signature; date and time of collection of each sample; sample type; analyses requested; name of person receiving the sample; and date of receipt of sample.

Laboratory-supplied trip blanks shall accompany the samples and be analyzed to check for cross-contamination, if requested by the project manager.

Well Development

Wells shall be developed using a combination of groundwater surging and extraction. A surge block shall be used to swab the well and agitate the groundwater in order to dislodge any fine sediment from the sand pack. After approximately ten minutes of swabbing the well, groundwater shall be extracted from the well using a bailer, pump and/or reverse air-lifting through a pipe to remove the sediments from the well. Alternating surging and extraction shall continue until the sediment volume in the groundwater (i.e. turbidity) is negligible, which typically requires extraction of approximately ten well-casing volumes of groundwater. Preliminary well development usually is performed during well installation prior to placing the sanitary surface seal to ensure sand pack stabilization. Well development that is performed after surface seal installation, should occur 72 hours after seal installation to ensure that the cement has had adequate time to set.

CONESTOGA-ROVERS
& ASSOCIATES

Waste Handling and Disposal

Groundwater extracted during development and sampling shall be stored onsite in sealed U.S. DOT H17 55-gallon drums. Each drum shall be labeled with the contents, date of generation, generator identification and consultant contact. If hydrocarbon concentrations in the purged groundwater are below ADEC cleanup levels or the site is in a remote area (pending ADEC approval) groundwater will be discharged to the ground surface, at least 100 feet from the nearest surface water body.

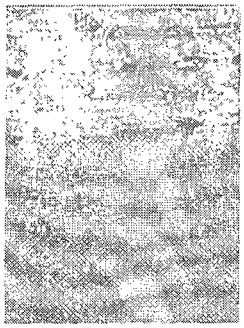
APPENDIX C

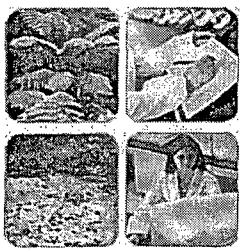
LABORATORY ANALYTICAL REPORT

Gulf Coast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/04/09





Technical Report for

DCP Midstream, LLC

CRA: Apex

Accutest Job Number: T42896

Sampling Date: 11/18/09

Report to:

DCP Midstream, L.P.
370 17th Street Suite 2500
Denver, CO 80202
DIDick@dcpmidstream.com; rbaca@craworld.com

ATTN: Daniel Dick

Total number of pages in report: **51**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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.

Paul K Canevaro

Paul Canevaro
Laboratory Director

Client Service contact: Georgia Jones 713-271-4700

Certifications: TX (T104704220-06-TX) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004) OK (9103) UT(7132714700)

Test results relate only to samples analyzed.

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Sample Summary

DCP Midstream, LLC

Job No: T42896

CRA: Apex

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T42896-1	11/18/09	12:20	JM	11/21/09	AQ	Ground Water	MW02
T42896-2	11/18/09	15:35	JM	11/21/09	AQ	Ground Water	MW03
T42896-3	11/18/09	11:25	JM	11/21/09	AQ	Ground Water	MW04
T42896-4	11/18/09	11:50	JM	11/21/09	AQ	Ground Water	MW05
T42896-5	11/18/09	12:55	JM	11/21/09	AQ	Ground Water	MW06
T42896-6	11/18/09	13:50	JM	11/21/09	AQ	Ground Water	MW07
T42896-7	11/18/09	11:10	JM	11/21/09	AQ	Ground Water	MW09
T42896-8	11/18/09	10:08	JM	11/21/09	AQ	Ground Water	MW10
T42896-9	11/18/09	11:55	JM	11/21/09	AQ	Ground Water	MW-B
T42896-10	11/18/09	12:20	JM	11/21/09	AQ	Ground Water	MW-C
T42896-11	11/18/09	13:00	JM	11/21/09	AQ	Ground Water	MW-D
T42896-12	11/18/09	14:20	JM	11/21/09	AQ	Ground Water	RW01
T42896-13	11/18/09	14:35	JM	11/21/09	AQ	Ground Water	RW02

Sample Summary
(continued)

DCP Midstream, LLC

Job No: T42896

CRA: Apex

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T42896-14	11/18/09	15:10	JM	11/21/09	AQ	Ground Water	RW05
T42896-15	11/18/09	15:10	JM	11/21/09	AQ	Ground Water	RW06
T42896-16	11/18/09	14:45	JM	11/21/09	AQ	Ground Water	RW07
T42896-17	11/18/09	13:45	JM	11/21/09	AQ	Ground Water	RW08
T42896-18	11/18/09	10:45	JM	11/21/09	AQ	Ground Water	RW09
T42896-19	11/18/09	10:10	JM	11/21/09	AQ	Ground Water	RW10
T42896-20	11/18/09	10:30	JM	11/21/09	AQ	Ground Water	RW11
T42896-21	11/18/09	10:25	JM	11/21/09	AQ	Ground Water	RW12
T42896-22	11/18/09	00:00	JM	11/21/09	AQ	Ground Water	DUPLICATE-1
T42896-23	11/18/09	00:00	JM	11/21/09	AQ	Ground Water	DUPLICATE-2
T42896-24	11/18/09	00:00	JM	11/21/09	AQ	Trip Blank Water	TRIP BLANK

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW02		
Lab Sample ID:	T42896-1	**Date Sampled:**	11/18/09
Matrix:	AQ - Ground Water	**Date Received:**	11/21/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0053998.D	1	11/25/09	JL	n/a	n/a	VZ2677
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	0.0081	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-122%
17060-07-0	1,2-Dichloroethane-D4	95%		75-121%
2037-26-5	Toluene-D8	106%		87-119%
460-00-4	4-Bromofluorobenzene	98%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW03		
Lab Sample ID:	T42896-2	**Date Sampled:**	11/18/09
Matrix:	AQ - Ground Water	**Date Received:**	11/21/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054001.D	200	11/25/09	JL	n/a	n/a	VZ2677
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	4.40	0.40	0.10	mg/l	
108-88-3	Toluene	ND	0.40	0.087	mg/l	
100-41-4	Ethylbenzene	0.805	0.40	0.11	mg/l	
1330-20-7	Xylene (total)	2.24	1.2	0.33	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-122%
17060-07-0	1,2-Dichloroethane-D4	92%		75-121%
2037-26-5	Toluene-D8	105%		87-119%
460-00-4	4-Bromofluorobenzene	98%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW04		
Lab Sample ID:	T42896-3	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0053976.D	1	11/25/09	JL	n/a	n/a	VZ2676
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	0.0134	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	0.0019	0.0020	0.00055	mg/l	J
1330-20-7	Xylene (total)	0.0036	0.0060	0.0017	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-122%
17060-07-0	1,2-Dichloroethane-D4	84%		75-121%
2037-26-5	Toluene-D8	101%		87-119%
460-00-4	4-Bromofluorobenzene	100%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW05		
Lab Sample ID:	T42896-4	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054003.D	1	11/25/09	JL	n/a	n/a	VZ2677
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	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	0.0509	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	0.235	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		79-122%
17060-07-0	1,2-Dichloroethane-D4	95%		75-121%
2037-26-5	Toluene-D8	102%		87-119%
460-00-4	4-Bromofluorobenzene	102%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW06		
Lab Sample ID:	T42896-5	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054005.D	1	11/25/09	JL	n/a	n/a	VZ2677
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	0.148	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-122%
17060-07-0	1,2-Dichloroethane-D4	88%		75-121%
2037-26-5	Toluene-D8	108%		87-119%
460-00-4	4-Bromofluorobenzene	100%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW07		
Lab Sample ID:	T42896-6	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054006.D	1	11/25/09	JL	n/a	n/a	VZ2677
Run #2	Z0054007.D	10	11/26/09	JL	n/a	n/a	VZ2677

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.46 [a]	0.020	0.0050	mg/l	
108-88-3	Toluene	0.0028	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	0.294 [a]	0.020	0.0055	mg/l	
1330-20-7	Xylene (total)	1.11 [a]	0.060	0.017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	103%	79-122%
17060-07-0	1,2-Dichloroethane-D4	56% [b]	89%	75-121%
2037-26-5	Toluene-D8	100%	107%	87-119%
460-00-4	4-Bromofluorobenzene	105%	101%	80-133%

(a) Result is from Run# 2

(b) Outside control limits possibly due to matrix interference. Confirmed by re-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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW09		
Lab Sample ID:	T42896-7	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054008.D	1	11/26/09	JL	n/a	n/a	VZ2677
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	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-122%
17060-07-0	1,2-Dichloroethane-D4	96%		75-121%
2037-26-5	Toluene-D8	108%		87-119%
460-00-4	4-Bromofluorobenzene	96%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW10		
Lab Sample ID:	T42896-8	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054045.D	1	11/29/09	JL	n/a	n/a	VZ2681
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	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		79-122%
17060-07-0	1,2-Dichloroethane-D4	91%		75-121%
2037-26-5	Toluene-D8	94%		87-119%
460-00-4	4-Bromofluorobenzene	90%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-B		
Lab Sample ID:	T42896-9	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054048.D	1	11/29/09	JL	n/a	n/a	VZ2681
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	0.0054	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.0033	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	0.0022	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	0.0049	0.0060	0.0017	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		79-122%
17060-07-0	1,2-Dichloroethane-D4	90%		75-121%
2037-26-5	Toluene-D8	96%		87-119%
460-00-4	4-Bromofluorobenzene	91%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-C		
Lab Sample ID:	T42896-10	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054050.D	1	11/29/09	JL	n/a	n/a	VZ2681
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	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		79-122%
17060-07-0	1,2-Dichloroethane-D4	92%		75-121%
2037-26-5	Toluene-D8	94%		87-119%
460-00-4	4-Bromofluorobenzene	91%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-D		
Lab Sample ID:	T42896-11	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054051.D	10	11/29/09	JL	n/a	n/a	VZ2681
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	1.07	0.020	0.0050	mg/l	
108-88-3	Toluene	0.0304	0.020	0.0043	mg/l	
100-41-4	Ethylbenzene	0.303	0.020	0.0055	mg/l	
1330-20-7	Xylene (total)	1.33	0.060	0.017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		79-122%
17060-07-0	1,2-Dichloroethane-D4	88%		75-121%
2037-26-5	Toluene-D8	91%		87-119%
460-00-4	4-Bromofluorobenzene	92%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW01		
Lab Sample ID:	T42896-12	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054095.D	1	12/01/09	JL	n/a	n/a	VZ2683
Run #2	Z0054052.D	10	11/29/09	JL	n/a	n/a	VZ2681

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.906 [a]	0.020	0.0050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	0.321 [a]	0.020	0.0055	mg/l	
1330-20-7	Xylene (total)	0.901 [a]	0.060	0.017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%	96%	79-122%
17060-07-0	1,2-Dichloroethane-D4	76%	90%	75-121%
2037-26-5	Toluene-D8	87%	90%	87-119%
460-00-4	4-Bromofluorobenzene	102%	91%	80-133%

(a) Result is from Run# 2

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW02		
Lab Sample ID:	T42896-13	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054096.D	1	12/01/09	JL	n/a	n/a	VZ2683
Run #2	Z0054053.D	10	11/29/09	JL	n/a	n/a	VZ2681

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.715 [a]	0.020	0.0050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	0.303 [a]	0.020	0.0055	mg/l	
1330-20-7	Xylene (total)	0.846 [a]	0.060	0.017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%	96%	79-122%
17060-07-0	1,2-Dichloroethane-D4	76%	90%	75-121%
2037-26-5	Toluene-D8	89%	94%	87-119%
460-00-4	4-Bromofluorobenzene	95%	94%	80-133%

(a) Result is from Run# 2

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW05		
Lab Sample ID:	T42896-14	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054054.D	100	11/29/09	JL	n/a	n/a	VZ2681
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	5.74	0.20	0.050	mg/l	
108-88-3	Toluene	0.149	0.20	0.043	mg/l	J
100-41-4	Ethylbenzene	0.693	0.20	0.055	mg/l	
1330-20-7	Xylene (total)	4.03	0.60	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		79-122%
17060-07-0	1,2-Dichloroethane-D4	92%		75-121%
2037-26-5	Toluene-D8	92%		87-119%
460-00-4	4-Bromofluorobenzene	92%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW06		
Lab Sample ID:	T42896-15	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054055.D	100	11/30/09	JL	n/a	n/a	VZ2681
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	2.59	0.20	0.050	mg/l	
108-88-3	Toluene	ND	0.20	0.043	mg/l	
100-41-4	Ethylbenzene	0.756	0.20	0.055	mg/l	
1330-20-7	Xylene (total)	4.28	0.60	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		79-122%
17060-07-0	1,2-Dichloroethane-D4	91%		75-121%
2037-26-5	Toluene-D8	92%		87-119%
460-00-4	4-Bromofluorobenzene	89%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW07		
Lab Sample ID:	T42896-16	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054056.D	100	11/30/09	JL	n/a	n/a	VZ2681
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	2.31	0.20	0.050	mg/l	
108-88-3	Toluene	ND	0.20	0.043	mg/l	
100-41-4	Ethylbenzene	0.265	0.20	0.055	mg/l	
1330-20-7	Xylene (total)	0.925	0.60	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	93%		75-121%
2037-26-5	Toluene-D8	91%		87-119%
460-00-4	4-Bromofluorobenzene	91%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW08		
Lab Sample ID:	T42896-17	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0005318.D	1	12/02/09	AP	n/a	n/a	VC244
Run #2	Z0054097.D	25	12/01/09	JL	n/a	n/a	VZ2683

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.92 [a]	0.050	0.012	mg/l	
108-88-3	Toluene	0.0013	0.0020	0.00043	mg/l	J
100-41-4	Ethylbenzene	0.604 [a]	0.050	0.014	mg/l	
1330-20-7	Xylene (total)	1.55 [a]	0.15	0.042	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	101%	79-122%
17060-07-0	1,2-Dichloroethane-D4	121%	89%	75-121%
2037-26-5	Toluene-D8	87%	94%	87-119%
460-00-4	4-Bromofluorobenzene	90%	89%	80-133%

(a) Result is from Run# 2

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW09		
Lab Sample ID:	T42896-18	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054098.D	1	12/01/09	JL	n/a	n/a	VZ2683
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	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		79-122%
17060-07-0	1,2-Dichloroethane-D4	94%		75-121%
2037-26-5	Toluene-D8	92%		87-119%
460-00-4	4-Bromofluorobenzene	92%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW10		
Lab Sample ID:	T42896-19	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054099.D	1	12/01/09	JL	n/a	n/a	VZ2683
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	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		79-122%
17060-07-0	1,2-Dichloroethane-D4	96%		75-121%
2037-26-5	Toluene-D8	91%		87-119%
460-00-4	4-Bromofluorobenzene	91%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW11		
Lab Sample ID:	T42896-20	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054100.D	1	12/01/09	JL	n/a	n/a	VZ2683
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	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-122%
17060-07-0	1,2-Dichloroethane-D4	98%		75-121%
2037-26-5	Toluene-D8	91%		87-119%
460-00-4	4-Bromofluorobenzene	91%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW12		
Lab Sample ID:	T42896-21	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054101.D	1	12/01/09	JL	n/a	n/a	VZ2683
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	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-122%
17060-07-0	1,2-Dichloroethane-D4	97%		75-121%
2037-26-5	Toluene-D8	90%		87-119%
460-00-4	4-Bromofluorobenzene	92%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUPLICATE-1		
Lab Sample ID:	T42896-22	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054102.D	1	12/01/09	JL	n/a	n/a	VZ2683
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	0.150	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-122%
17060-07-0	1,2-Dichloroethane-D4	92%		75-121%
2037-26-5	Toluene-D8	91%		87-119%
460-00-4	4-Bromofluorobenzene	89%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUPLICATE-2		
Lab Sample ID:	T42896-23	Date Sampled:	11/18/09
Matrix:	AQ - Ground Water	Date Received:	11/21/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054103.D	100	12/01/09	JL	n/a	n/a	VZ2683
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	5.12	0.20	0.050	mg/l	
108-88-3	Toluene	ND	0.20	0.043	mg/l	
100-41-4	Ethylbenzene	0.887	0.20	0.055	mg/l	
1330-20-7	Xylene (total)	2.54	0.60	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	95%		75-121%
2037-26-5	Toluene-D8	91%		87-119%
460-00-4	4-Bromofluorobenzene	91%		80-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T42896-24	**Date Sampled:**	11/18/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/21/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	CRA: Apex		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054044.D	1	11/29/09	JL	n/a	n/a	VZ2681
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	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		79-122%
17060-07-0	1,2-Dichloroethane-D4	92%		75-121%
2037-26-5	Toluene-D8	92%		87-119%
460-00-4	4-Bromofluorobenzene	92%		80-133%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories
10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # T42896

Client / Reporting Information

Company Name: Conestoga Rovers and Associates
Project Contact: Rustin Baca | E-Mail: rbaca@craworld.com
Address: 2135 South Loop 250 W
City: Midland | State: Texas | Zip: 79703
Phone No.: 432 686-0086 | Fax No.:
Samplers's Name: Joe Miroles / Joe Lewandowski

Project Information

Project Name / No.: DCP# 390861201 DCP Midstream-APEX
Bill to: DCP Midstream | Invoice Attn.: Daniel Dick
Address: RC Code GNOD
City: | State: | Zip:
Phone No.: | Fax No.:
Client Purchase Order #: CRA Project # 058660

Requested Analyses

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Wastewater
SO - Soil
SL - Sludge
OI - Oil
LIQ - Liquid
SOL - Other Solid

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH	HNO3	H2SO4	EnCore	Na2SO3	MEOH	None	8260BTEX	LAB USE ONLY
1	MW02	11-15-09	1220	GW	3	3								X	
2	MW03	11-15-09	1535	GW	3	3								X	
3	MW04	11-15-09	1125	GW	3	3								X	
4	MW05	11-15-09	1150	GW	3	3								X	
5	MW06	11-15-09	1255	GW	3	3								X	
6	MW07	11-15-09	1350	GW	3	3								X	
7	MW09	11-18-09	1110	GW	3	3								X	
8	MW10	11-18-09	1005	GW	3	3								X	

Turnaround Time (Business days)

- [ ] 10 Day STANDARD — Approved By / Date:
- [ ] 7 Day
- [ ] 4 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] Other: 10 calendar day

Real time analytical data available via Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [X] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Data Package
- [ ] TRRP-13
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results & Standard QC

Comments / Remarks

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		11-20-09/0930	1	2 FedEx	11/21/09 1035	2
3	Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable: ☐	On Ice: ☒ Cooler Temp: 4.1

T42896: Chain of Custody
Page 1 of 5

CHAIN OF CUSTODY

ACCUTEST Laboratories
10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: T42896

Client / Reporting Information

Company Name: Conestoga Rovers and Associates
Project Contact: Ruslin Baca | E-Mail: rbaca@craworld.com
Address: 2135 South Loop 250 W
City: Midland | State: Texas | Zip: 79703
Phone No.: 432 686-0086 | Fax No.:
Samplers's Name: Joe Mireles Joe Lewandowski

Project Information

Project Name / No.: DCP Midstream # 390861201
DCP Midstream-APEX
Bill to: DCP Midstream | Invoice Attn.: Daniel Dick
Address: RCCode GNOD
City: | State: | Zip:
Phone No.: | Fax No.:
Client Purchase Order #: CR Project # 058660

Requested Analyses

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	Number of preserved bottles	8260BTEX	LAB USE ONLY
9	MW-B	11-18-09	1155	GW	3	3	X	
10	MW-C	11-18-09	1220	GW	3	3	X	
11	MW-D	11-18-09	1300	GW	3	3	X	
12	RW01	11-18-09	1420	GW	3	3	X	
13	RW02	11-18-09	1435	GW	3	3	X	
14	RW05	11-18-09	1510	GW	3	3	X	
15	RW06	11-18-09	1510	GW	3	3	X	
16	RW07	11-18-09	1445	GW	3	3	X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Wastewater
SO - Soil
SL - Sludge
OI - Oil
LIQ - Liquid
SOL - Other Solid

Turnaround Time (Business days)

- [ ] 10 Day STANDARD — Approved By/ Date:
- [ ] 7 Day
- [ ] 4 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] Other — 10 calendar day

Real time analytical data available via Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [X] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Data Package
- [ ] TRRP-13
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results & Standard QC

Comments / Remarks

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	Joe Mireles	11-20-09 0930	1	2 Fed Ex	11/21/09 1035	2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable ☐	On Ice: Y Cooler Temp: 4.1

T42896: Chain of Custody
Page 2 of 5

CHAIN OF CUSTODY

ACCUTEST Laboratories
10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # T42896

Client / Reporting Information

Company Name: Conestoga Rovers and Associates
Project Contact: Rustin Baca | E-Mail: rbaca@craworld.com
Address: 2135 South Loop 250 W
City: Midland | State: Texas | Zip: 79703
Phone No.: 432 686-0086 | Fax No.:
Samplers's Name: Joe Mireles, Jim Lewandowski

Project Information

Project Name / No.: DCP Project # 390361201 DCP Midstream-APEX
Bill to: DCP Midstream | Invoice Attn.: Daniel Dick
Address: AC COPY GWOD
City: | State: | Zip:
Phone No.: | Fax No.:
Client Purchase Order #: CRA Project # 058660

Requested Analyses

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH	HNO3	H2SO4	ENCORE	NaHSO4	MEOH	NONE	8260BTEX	LAB USE ONLY
17	RW08	11-18-09	1345	GW	3	3								X	
18	RW09	11-18-09	1045	GW	3	3								X	
19	RW10	11-18-09	1010	GW	3	3								X	
20	RW11	11-18-09	1030	GW	3	3								X	
21	RW12	11-18-09	1025	GW	3	3								X	
22	Duplicate-1	11-18-09	—	GW	3	3								X	
23	Duplicate-2	11-18-09	—	GW	3	3								X	
24	Trip Blank	—	—	GW	3	3								X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Wastewater; SO - Soil; SL - Sludge; OI - Oil; LIQ - Liquid; SOL - Other Solid

Turnaround Time (Business days)

- [ ] 10 Day STANDARD — Approved By:/ Date:
- [ ] 7 Day
- [ ] 4 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [x] Other — 10 calendar day

Real time analytical data available via Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [x] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Data Package
- [ ] TRRP-13
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results & Standard QC

Comments / Remarks

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	Joe Mirele	11-20-09 0930	1	2 Fed Ex	11/21/09 1035	2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable ☐	On Ice ☑ Cooler Temp. 4.1

T42896: Chain of Custody
Page 3 of 5

SAMPLE INSPECTION FORM

Accutest Job Number: T42896 Client: CRA Date/Time Received: 11/21/09 1035

# of Coolers Received: 1 Thermometer #: IR-1 Temperature Adjustment Factor: +0.4

Cooler Temps: #1: 4.1 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____

Method of Delivery: (FEDEX) UPS Accutest Courier Greyhound Delivery Other

Airbill Numbers: _____

COOLER INFORMATION
- [ ] Custody seal missing or not intact
- [ ] Temperature criteria not met
- [ ] Wet ice received in cooler

CHAIN OF CUSTODY
- [ ] Chain of Custody not received
- [ ] Sample D/T unclear or missing
- [ ] Analyses unclear or missing
- [ ] COC not properly executed

SAMPLE INFORMATION
- [ ] Sample containers received broken
- [ ] VOC vials have headspace
- [ ] Sample labels missing or illegible
- [ ] ID on COC does not match label(s)
- [ ] D/T on COC does not match label(s)
- [ ] Sample/Bottles rcvd but no analysis on COC
- [ ] Sample listed on COC, but not received
- [ ] Bottles missing for requested analysis
- [ ] Insufficient volume for analysis
- [ ] Sample received improperly preserved

TRIP BLANK INFORMATION
- [ ] Trip Blank on COC but not received
- [ ] Trip Blank received but not on COC
- [ ] Trip Blank not intact
- [ ] Received Water Trip Blank
- [ ] Received Soil TB

Number of Encores? _____
Number of 5035 kits? _____
Number of lab-filtered metals? _____

Summary of Discrepancies:

TECHNICIAN SIGNATURE/DATE: [signature] 11/21/09

INFORMATION AND SAMPLE LABELING VERIFIED BY: _____

CORRECTIVE ACTIONS

Client Representative Notified: _____ Date: _____

By Accutest Representative: _____ Via: Phone Email

Client Instructions:

T42896: Chain of Custody
Page 4 of 5

SAMPLE RECEIPT LOG

JOB #: T42896 DATE/TIME RECEIVED: 11/21/09 1035

CLIENT: CRA INITIALS: PF

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH	
1	1	MW 02	11/18/09 1200	W	40 ml	1-3	VR	1 2 3 4 5 6 7 8	<2	>12
	2	MW 03	1535					1 2 3 4 5 6 7 8	<2	>12
	3	MW04	1125					1 2 3 4 5 6 7 8	<2	>12
	4	MW05	1150					1 2 3 4 5 6 7 8	<2	>12
	5	MW 06	1255					1 2 3 4 5 6 7 8	<2	>12
	6	MW 07	1550					1 2 3 4 5 6 7 8	<2	>12
	7	MW 09	1110					1 2 3 4 5 6 7 8	<2	>12
	8	MW 10	1005					1 2 3 4 5 6 7 8	<2	>12
	9	MW B	1155					1 2 3 4 5 6 7 8	<2	>12
	10	MW C	1220					1 2 3 4 5 6 7 8	<2	>12
	11	MW D	1300					1 2 3 4 5 6 7 8	<2	>12
	12	RW 01	1420					1 2 3 4 5 6 7 8	<2	>12
	13	RW 02	1435					1 2 3 4 5 6 7 8	<2	>12
	14	RW 05	1510					1 2 3 4 5 6 7 8	<2	>12
	15	RW 06	1510					1 2 3 4 5 6 7 8	<2	>12
	16	RW 07	1405					1 2 3 4 5 6 7 8	<2	>12
	17	RW 08	1345					1 2 3 4 5 6 7 8	<2	>12
	18	RW 09	1025					1 2 3 4 5 6 7 8	<2	>12
	19	RW 10	1410					1 2 3 4 5 6 7 8	<2	>12
	20	RW 11	1030					1 2 3 4 5 6 7 8	<2	>12
	21	RW 12	1025					1 2 3 4 5 6 7 8	<2	>12
	22	Duplicate 1	—					1 2 3 4 5 6 7 8	<2	>12

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: DI 7: MeOH 8: Other

LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer

3.1

T42896: Chain of Custody
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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: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2676-MB	Z0053963.D	1	11/25/09	JL	n/a	n/a	VZ2676

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

T42896-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	79-122%
17060-07-0	1,2-Dichloroethane-D4	105%	75-121%
2037-26-5	Toluene-D8	99%	87-119%
460-00-4	4-Bromofluorobenzene	91%	80-133%

Method Blank Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2677-MB	Z0053995.D	1	11/25/09	JL	n/a	n/a	VZ2677

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

T42896-1, T42896-2, T42896-4, T42896-5, T42896-6, T42896-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	79-122%
17060-07-0	1,2-Dichloroethane-D4	94%	75-121%
2037-26-5	Toluene-D8	107%	87-119%
460-00-4	4-Bromofluorobenzene	99%	80-133%

Method Blank Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2681-MB	Z0054043.D	1	11/29/09	JL	n/a	n/a	VZ2681

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

T42896-8, T42896-9, T42896-10, T42896-11, T42896-12, T42896-13, T42896-14, T42896-15, T42896-16, T42896-24

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	90%	79-122%
17060-07-0	1,2-Dichloroethane-D4	89%	75-121%
2037-26-5	Toluene-D8	95%	87-119%
460-00-4	4-Bromofluorobenzene	92%	80-133%

Method Blank Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2683-MB	Z0054090.D	1	11/30/09	JL	n/a	n/a	VZ2683

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

T42896-12, T42896-13, T42896-17, T42896-18, T42896-19, T42896-20, T42896-21, T42896-22, T42896-23

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	79-122%
17060-07-0	1,2-Dichloroethane-D4	99%	75-121%
2037-26-5	Toluene-D8	90%	87-119%
460-00-4	4-Bromofluorobenzene	87%	80-133%

Method Blank Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC244-MB	C0005301.D	1	12/01/09	AP	n/a	n/a	VC244

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

T42896-17

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	2.0	0.43	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	79-122%
17060-07-0	1,2-Dichloroethane-D4	105%	75-121%
2037-26-5	Toluene-D8	92%	87-119%
460-00-4	4-Bromofluorobenzene	94%	80-133%

Blank Spike Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2676-BS	Z0053962.D	1	11/25/09	JL	n/a	n/a	VZ2676

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

T42896-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	27.8	111	76-118
100-41-4	Ethylbenzene	25	26.4	106	75-112
108-88-3	Toluene	25	26.1	104	77-114
1330-20-7	Xylene (total)	75	80.1	107	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	79-122%
17060-07-0	1,2-Dichloroethane-D4	100%	75-121%
2037-26-5	Toluene-D8	96%	87-119%
460-00-4	4-Bromofluorobenzene	95%	80-133%

Blank Spike Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2677-BS	Z0053993.D	1	11/25/09	JL	n/a	n/a	VZ2677

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

T42896-1, T42896-2, T42896-4, T42896-5, T42896-6, T42896-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.2	105	76-118
100-41-4	Ethylbenzene	25	26.7	107	75-112
108-88-3	Toluene	25	27.0	108	77-114
1330-20-7	Xylene (total)	75	80.3	107	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	79-122%
17060-07-0	1,2-Dichloroethane-D4	89%	75-121%
2037-26-5	Toluene-D8	103%	87-119%
460-00-4	4-Bromofluorobenzene	104%	80-133%

Blank Spike Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2681-BS	Z0054041.D	1	11/29/09	JL	n/a	n/a	VZ2681

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

T42896-8, T42896-9, T42896-10, T42896-11, T42896-12, T42896-13, T42896-14, T42896-15, T42896-16, T42896-24

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.1	104	76-118
100-41-4	Ethylbenzene	25	26.3	105	75-112
108-88-3	Toluene	25	26.4	106	77-114
1330-20-7	Xylene (total)	75	78.5	105	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	90%	79-122%
17060-07-0	1,2-Dichloroethane-D4	89%	75-121%
2037-26-5	Toluene-D8	95%	87-119%
460-00-4	4-Bromofluorobenzene	95%	80-133%

Blank Spike Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2683-BS	Z0054088.D	1	11/30/09	JL	n/a	n/a	VZ2683

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

T42896-12, T42896-13, T42896-17, T42896-18, T42896-19, T42896-20, T42896-21, T42896-22, T42896-23

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.8	95	76-118
100-41-4	Ethylbenzene	25	23.5	94	75-112
108-88-3	Toluene	25	23.5	94	77-114
1330-20-7	Xylene (total)	75	73.0	97	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	79-122%
17060-07-0	1,2-Dichloroethane-D4	95%	75-121%
2037-26-5	Toluene-D8	92%	87-119%
460-00-4	4-Bromofluorobenzene	95%	80-133%

Blank Spike Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC244-BS	C0005299.D	1	12/01/09	AP	n/a	n/a	VC244

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

T42896-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-88-3	Toluene	25	24.0	96	77-114

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	79-122%
17060-07-0	1,2-Dichloroethane-D4	103%	75-121%
2037-26-5	Toluene-D8	92%	87-119%
460-00-4	4-Bromofluorobenzene	88%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T42893-7MS	Z0053965.D	1	11/25/09	JL	n/a	n/a	VZ2676
T42893-7MSD	Z0053966.D	1	11/25/09	JL	n/a	n/a	VZ2676
T42893-7	Z0053964.D	1	11/25/09	JL	n/a	n/a	VZ2676

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

T42896-3

CAS No.	Compound	T42893-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	25.7		25	51.1	102	50.5	99	1	76-118/16
100-41-4	Ethylbenzene	7.7		25	34.7	108	34.4	107	1	75-112/12
108-88-3	Toluene	ND		25	27.7	111	26.5	106	4	77-114/12
1330-20-7	Xylene (total)	44.3		75	123	105	121	102	2	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T42893-7	Limits
1868-53-7	Dibromofluoromethane	103%	101%	107%	79-122%
17060-07-0	1,2-Dichloroethane-D4	102%	99%	106%	75-121%
2037-26-5	Toluene-D8	98%	96%	100%	87-119%
460-00-4	4-Bromofluorobenzene	94%	96%	92%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T42896-1MS	Z0053999.D	1	11/25/09	JL	n/a	n/a	VZ2677
T42896-1MSD	Z0054000.D	1	11/25/09	JL	n/a	n/a	VZ2677
T42896-1	Z0053998.D	1	11/25/09	JL	n/a	n/a	VZ2677

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

T42896-1, T42896-2, T42896-4, T42896-5, T42896-6, T42896-7

CAS No.	Compound	T42896-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	8.1		25	33.6	102	32.6	98	3	76-118/16
100-41-4	Ethylbenzene	ND		25	24.4	98	25.6	102	5	75-112/12
108-88-3	Toluene	ND		25	25.7	103	25.3	101	2	77-114/12
1330-20-7	Xylene (total)	ND		75	75.1	100	74.9	100	0	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T42896-1	Limits
1868-53-7	Dibromofluoromethane	97%	94%	99%	79-122%
17060-07-0	1,2-Dichloroethane-D4	91%	88%	95%	75-121%
2037-26-5	Toluene-D8	101%	104%	106%	87-119%
460-00-4	4-Bromofluorobenzene	100%	103%	98%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T42896-8MS	Z0054046.D	1	11/29/09	JL	n/a	n/a	VZ2681
T42896-8MSD	Z0054047.D	1	11/29/09	JL	n/a	n/a	VZ2681
T42896-8	Z0054045.D	1	11/29/09	JL	n/a	n/a	VZ2681

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

T42896-8, T42896-9, T42896-10, T42896-11, T42896-12, T42896-13, T42896-14, T42896-15, T42896-16, T42896-24

CAS No.	Compound	T42896-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	25.0	100	25.2	101	1	76-118/16
100-41-4	Ethylbenzene	ND		25	25.7	103	25.0	100	3	75-112/12
108-88-3	Toluene	ND		25	24.2	97	24.9	100	3	77-114/12
1330-20-7	Xylene (total)	ND		75	77.2	103	75.4	101	2	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T42896-8	Limits
1868-53-7	Dibromofluoromethane	92%	93%	94%	79-122%
17060-07-0	1,2-Dichloroethane-D4	91%	90%	91%	75-121%
2037-26-5	Toluene-D8	90%	91%	94%	87-119%
460-00-4	4-Bromofluorobenzene	95%	94%	90%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T42851-27MS	Z0054092.D	1	12/01/09	JL	n/a	n/a	VZ2683
T42851-27MSD	Z0054093.D	1	12/01/09	JL	n/a	n/a	VZ2683
T42851-27	Z0054091.D	1	11/30/09	JL	n/a	n/a	VZ2683

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

T42896-12, T42896-13, T42896-17, T42896-18, T42896-19, T42896-20, T42896-21, T42896-22, T42896-23

CAS No.	Compound	T42851-27 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	24.1	96	23.8	95	1	76-118/16
100-41-4	Ethylbenzene	ND		25	23.7	95	22.7	91	4	75-112/12
108-88-3	Toluene	ND		25	22.9	92	22.5	90	2	77-114/12
1330-20-7	Xylene (total)	ND		75	70.2	94	69.5	93	1	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T42851-27	Limits
1868-53-7	Dibromofluoromethane	92%	98%	97%	79-122%
17060-07-0	1,2-Dichloroethane-D4	95%	97%	97%	75-121%
2037-26-5	Toluene-D8	89%	91%	89%	87-119%
460-00-4	4-Bromofluorobenzene	93%	93%	90%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T42896
Account: DUKE DCP Midstream, LLC
Project: CRA: Apex

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T42896-17MS	C0005319.D	1	12/02/09	AP	n/a	n/a	VC244
T42896-17MSD	C0005323.D	1	12/02/09	AP	n/a	n/a	VC244
T42896-17	C0005318.D	1	12/02/09	AP	n/a	n/a	VC244

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

T42896-17

CAS No.	Compound	T42896-17 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	1.3	J	25	25.3	96	23.9	90	6	77-114/12

CAS No.	Surrogate Recoveries	MS	MSD	T42896-17	Limits
1868-53-7	Dibromofluoromethane	100%	98%	98%	79-122%
17060-07-0	1,2-Dichloroethane-D4	96%	102%	121%	75-121%
2037-26-5	Toluene-D8	90%	89%	87%	87-119%
460-00-4	4-Bromofluorobenzene	88%	86%	90%	80-133%

4.3.5