1RP-401-0

2nd 2010 Semi Annual GW monitoring results

DATE:
December 06, 2010

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

December 6, 2010

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

RE: 2nd 2010 Semi Annual Groundwater Monitoring Results
DCP C-Line Pipeline Release (1RP-401-0)
Lea County, NM (Unit O Section 31, T19S, R37E)

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review, one copy of the 2nd 2010 Semi Annual Groundwater Monitoring Results for the DCP C-Line Pipeline Release Site located in Lea County, New Mexico (Unit O Section 31, T19S, R37E, Latitude 32° 31' 29.7" N Longitude 103° 17' 11.7 W).

If you have any questions regarding the report, please call me at 303-605-1718.

Sincerely

DCP Midstream, LP

Stephen Weathers, PG
Principal Environmental Specialist

cc: Larry Johnson, OCD Hobbs District Office (Copy on CD)
Environmental Files

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC

November 22, 2010

Mr. Stephen Weathers
DCP Midstream, LP
370 17th Street, Suite 2500
Denver, CO 80202

Re: Second 2010 Semiannual Groundwater Monitoring Report
DCP C-Line 50602 Release Location in Lea County New Mexico
Unit O, Section 31, Township 19 South, Range 37 East (1RP-401-0)

Dear Mr. Weathers:

This report documents the second semiannual 2010 groundwater monitoring activities completed at the C-Line 50602 release location for DCP Midstream, LP (DCP). The monitoring activities were completed on September 16, 2010. The site is located in the southwestern quarter of the southeastern quarter (Unit O) of Section 31, Township 19 South, Range 37 East (Figure 1). The approximate coordinates are 32.5250 degrees 3 north, 103.2867 degrees west.

The groundwater-monitoring network includes the nine wells shown on Figure 2. Table 1 summarizes construction information for each well.

SUMMARY OF MONITORING ACTIVITIES

The depth to water and free phase hydrocarbons (FPH), if present, were measured in each well prior to purging and sampling. None of the wells contained FPH. FPH has not been measured in MW-1 since June 2005 and in MW-2 since March 2007.

Eight of the nine wells were purged and sampled. Well MW-6 was not sampled because it is located down gradient from unaffected boundary wells MW-7, MW-8 and MW-9 so it does not provide useful information relative to this study.

The wells were purged using dedicated bailers until a minimum of three casing volumes of groundwater were removed, and the field parameters temperature, pH and conductivity stabilized, or until the water in the well bailed down. The well purging forms are attached. The affected purge water was disposed of at the DCP Linam Ranch facility.

Unfiltered samples were collected following well stabilization using the dedicated bailers. All of the samples were placed in an ice-filled chest immediately upon collection and delivered to the analytical laboratory (AccuTest Laboratory) using standard chain-of-custody protocol. The samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) using method SW-846 8260B. The anlytical laboratory report is attached.

Matrix spike, matrix spike duplicate samples were collected from MW-7. A duplicate sample was collected from MW-3. The quality control QC evaluations completed for this event include:

- All of the samples were analyzed within the required holding times;
- All of the individual surrogate spikes were within their control limits;
- The method blank and blank spike evaluations were all acceptable;
- The relative percentage difference (RPD) values for the MW-3 primary and duplicate samples were all between 20 and 30 percent; and
- The matrix spike and matrix spike duplicate results were all within their respective control ranges and exhibited good agreement.

The information above indicates that the data is suitable for evaluating groundwater monitoring data.

RESULTS AND INTERPRETATIONS

The fluid measurements are summarized in Table 2. The calculated groundwater elevations for all monitoring episodes are summarized in Table 3. Figure 3 includes hydrographs for all site wells. The water table elevations declined in all of the wells except MW-2.

Figure 4 shows the calculated groundwater contours as generated using the Surfer® program with the kriging option. The water table exhibits a consistent gradient toward the southeast. This pattern reflects the historic trends.

The BTEX results for this sampling event are summarized in Table 4. The constituents that exceed the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard are highlighted as bold text. Examination of this table indicates that the BTEX constituents were only detected in MW-1 and the primary and duplicate samples from MW-3.

Figure 5 depicts the spatial event benzene distribution. Well MW-3 does not appear to be directly down-gradient from the remediated release area when evaluated relative to the groundwater flow path shown in Figure 4. The benzene concentration is also much higher than that measured in MW-1 that is directly down gradient from the release area.

Summaries of all of the data collected are tabulated in Table 5 for benzene, Table 6 for toluene, Table 7 for ethylbenzene and Table 8 for xylenes. The benzene concentrations are plotted verses time in Figure 6 for MW-1 and MW-3.

Groundwater sampling began in MW-1 in December 2005 after removal of the FPH was completed. The benzene concentration in MW-1 has decreased almost continuously since the middle of 2007. The concentration is now at its lowest value since monitoring began, and it is approaching the 0.01 mg/l NMWQCC groundwater standard.

Sampling in MW-3 began in November 2002 at the start of the project. The benzene concentration in this well have exhibited a decreasing trend since 2004, and it has decreased 83 percent since September 2009. The similar patterns in both wells indicate a substantial decrease in the extent of the dissolved-phase benzene plume.

CONCLUSIONS AND RECOMMENDATIONS

Important conclusions for the C-Line site for this sampling event include:

1. FPH has not been measured in MW-1 or MW-2 for 3.5 years. This circumstance establishes that it has been removed.

2. The historic BTEX data establishes that natural bioremediation processes are attenuating the BTEX constituents down gradient from the source area where the original affected materials were removed.

3. The dissolved-phase BTEX concentrations continue to decline in affected wells MW-1 and MW-3, and concentrations in the remaining wells are all now below the practical quantitation limit. These results verify dissolved-phase plume contraction.

AEC recommends continued monitoring on a semi-annual basis to verify that these trends continue. The next monitoring event is scheduled for the first half of 2011. AEC will provide appropriate notification prior to the sampling activities.

Do not hesitate to contact me with any questions or comments on this report.

Respectfully submitted,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, P.E., C.P.G.
Principal Engineer
MHS/tbm

attachments

TABLES

Table 1 – Summary of Well Construction Information

Well	Top of Casing Elevation	Ground Elevation	Screen Diameter	Screened Interval	Sand Interval	Total Depth
MW-1	3,541.21	3,538.64	4"	82.5-97.5	81-98	98
MW-2	3,540.91	3,537.70	2"	81-101	77-102	102
MW-3	3,541.41	3,539.30	2"	80-100	78-103	103
MW-4	3,541.40	3,538.51	2"	80-100	78-103	103
MW-5	3,541.45	3,538.69	2"	80-100	78-102	102
MW-6	3,543.98	3,540.94	2"	79-99	75-102	102
MW-7	3,542.42	3,540.20	2"	82.5-97.5	77-98*	98
MW-8	3,540.29	3,538.08	2"	82.5-97.5	81-98	98
MW-9	3,539.62	3,537.33	2"	82.5-97.5	81-98	98

All units in feet except as noted

* Well MW-7 has a natural sand pack from 93 to 98 feet

Table 2 – Second Half 2010 Fluid Measurements

Well	Depth To Water	Water Table Elevation
MW-1	91.35	3451.31
MW-2	89.36	3451.55
MW-3	90.45	3450.96
MW-4	90.60	3450.80
MW-5	90.76	3450.69
MW-6	96.13	3447.85
MW-7	92.14	3450.28
MW-8	90.56	3449.73
MW-9	89.96	3449.66

Units are feet

Table 3 – Summary of Corrected Groundwater Elevations

Well	Nov. 02	Feb. 03	Apr. 03	Oct. 03	Jan. 04	Jun. 04	Sep. 04	Dec. 04	Mar. 05	Jun. 05	Sep 05	Dec 05	Mar 06
MW-1	3452.01	3451.60	3451.73	3451.35	3451.34	3451.23	3451.19	3450.97	3451.22	3451.99	3451.96	3451.88	3451.96
MW-2	3452.11	3451.97	3451.96	3451.87	3451.84	3451.73	3451.72	3451.91	3452.08	3452.22	3452.19	3452.10	3452.18
MW-3	3452.25	3451.37	3451.33	3451.27	3451.22	3451.06	3451.01	3451.24	3451.37	3451.51	3451.58	3451.46	3451.52
MW-4	3451.56	3451.32	3451.21	3451.25	3451.19	3451.02	3450.88	3451.19	3451.25	3451.26	3451.38	3450.42	3451.34
MW-5	3451.39	3451.21	3451.09	3451.20	3451.11	3450.86	3450.75	3451.10	3451.14	3451.35	3451.18	3451.32	3451.18
MW-6	3448.77	3448.51	3448.38	3448.46	3448.37	3448.14	3448.03	3448.91	3448.64	3448.62	3448.44	3448.50	3448.26
MW-7				3450.76	3450.72	3450.57	3450.47	3450.70	3450.80	3450.99	3450.99	3450.86	3450.86
MW-8				3450.35	3450.22	3450.03	3449.85	3450.21	3450.23	3450.41	3450.24	3450.40	3450.18
MW-9				3450.21	3450.03	3449.81	3449.67	3450.13	3450.11	3450.38	3450.04	3450.25	3449.99

Well	Jun 06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10
MW-1	3451.88	3451.86	3451.82	3451.83	3451.64	3451.62	3451.74	3452.17	3449.64	3451.57	3450.91	3451.47	3451.31
MW-2	3452.13	3452.12	3452.06	3452.07	3452.04	3452.13	3451.91	3451.87	3451.80	3451.87	3451.74	3451.73	3451.55
MW-3	3451.45	3451.43	3451.40	3451.40	3451.21	3451.36	3451.30	3451.14	3451.12	3451.17	3450.92	3451.02	3450.96
MW-4	3451.40	3451.34	3451.33	3451.36	3450.99	3451.07	3451.34	3450.98	3451.02	3451.17	3450.86	3451.26	3450.80
MW-5	3451.16	3451.16	3451.22	3451.27	3450.87	3451.05	3451.32	3450.87	3450.85	3451.09	3450.72	3450.97	3450.69
MW-6	3448.28	3448.27	3448.30	3448.36	3447.97	3448.15	3448.40	3448.04	3447.96	3448.12	3447.81	3447.89	3447.85
MW-7	3450.81	3450.83	3450.78	3450.80	3450.52	3450.72	3450.77	3450.51	3450.53	3450.55	3450.34	3450.47	3450.28
MW-8	3450.14	3450.21	3450.28	3450.35	3449.86	3450.08	3450.32	3449.91	3449.81	3450.10	3449.66	3449.98	3449.73
MW-9	3449.92	3450.02	3450.15	3450.19	3449.79	3449.95	3450.26	3449.80	3449.62	3450.02	3449.57	3449.74	3449.66

Notes:

All units in feet.

Blank cells: wells not installed

The groundwater elevation values for MW-1 and MW-4 were corrected when free phase hydrocarbons were present using the following formula (all values in feet):

$GWE_{corr} = MGWE + (PT*PD)$: where

- MGWE is the actual measured groundwater elevation;
- PT is the measured free-phase hydrocarbon thickness, and
- PD is the free phase hydrocarbon density (assumed 0.7).

Table 4 – Second Semiannual 2010 Results

Well	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standards	0.01	0.75	0.75	0.62
MW-1	**0.127**	0.0319	0.0334	0.0399
MW-2	<0.001	<0.002	<0.002	<0.004
MW-3	**1.05**	0.205	0.104	0.1197
MW-3 (duplicate)	**0.861**	0.152	0.0792	0.0921
MW-4	<0.001	<0.002	<0.002	<0.004
MW-5	<0.001	<0.002	<0.002	<0.004
MW-6	<0.001	<0.002	<0.002	<0.004
MW-7	<0.001	<0.002	<0.002	<0.004
MW-8	<0.001	<0.002	<0.002	<0.004
MW-9	<0.001	<0.002	<0.002	<0.004

Notes:

1. All units mg/l
2. NS: Well not sampled
3. NMWQCC Standards: New Mexico Water Quality Control Commission groundwater standards

Table 5 - Summary of Historical Analytical Results for Benzene

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
11/15/02	FPH	<0.001	0.017	0.114	<0.001	<0.001			
02/18/03	FPH	0.29	2.52	1.12	0.328	0.001			
04/17/03	FPH	0.175	3.18	0.782	0.128	0.002			
10/28/03	FPH	0.018	5.01	0.077	0.164	<0.001	<0.001	<0.001	<0.001
01/29/04	FPH	0.0848	6.06	0.320	0.226	0.00382	<0.001	0.00139	<0.001
06/29/04	FPH	0.0582	9.84	0.461	0.249	<0.00019	0.000456	0.00248	<0.00019
09/28/04	FPH	0.329	11.2	FPH	0.0336	<0.001	<0.001	<0.001	<0.001
12/06/04	FPH	0.0355	12.0	FPH	0.0137	<0.001	<0.001	<0.001	<0.001
03/16/05	FPH	0.00523	10.9	FPH	0.00371	<0.001	<0.001	<0.001	<0.001
06/06/05	FPH	0.0017	8.83	FPH	0.00169	<0.001	0.000695	0.000955	<0.001
09/20/05	FPH	<0.001	10.75	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
12/15/05	2.14	<0.001	9.57	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
03/21/06	1.32	<0.001	6.55	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
06/26/06	2.17	<0.001	9.67	9.08	<0.001	<0.001	<0.001	<0.001	<0.001
09/16/06	4.27	<0.001	10.55	0.51	<0.001	<0.001	<0.001	<0.001	<0.001
12/11/06	<0.001	<0.001	7.49	0.17	<0.001	<0.001	<0.001	<0.001	<0.001
03/14/07	5.59	<0.001	6.41	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
06/20/07	3.82	<0.001	6.41	1.80	<0.001	NS	<0.001	<0.001	<0.001
09/26/07	1.75	<0.001	5.54	0.43	<0.001	NS	<0.001	<0.001	<0.001
12/27/07	1.92	<0.002	5.89	0.11	<0.002	NS	<0.002	<0.002	<0.002
03/06/08	0.31	<0.002	8.36	<0.002	<0.002	NS	<0.002	<0.002	<0.002
09/17/08	1.06	<0.002	6.14	0.0146	0.00073	NS	<0.002	<0.002	<0.002
03/10/09	0.942	<0.002	5.03	0.0141	0.0005J	NS	<0.002	<0.002	<0.002
9/23/09	0.658	<0.002	5.68	0.0022	<0.002	NS	<0.002	<0.002	<0.002
3/22/10	0.276	<0.002	2.615	0.0129	<0.002	NS	<0.002	<0.002	<0.002
9/16/10	0.127	<0.001	0.9555	<0.001	<0.001	NS	<0.001	<0.001	<0.001

Notes:

1. All units mg/l,
2. Duplicate results averaged,
3. "J" qualifiers are not included in summary
4. Wells not installed where blank cells are present,
5. FPH: free phase hydrocarbons present so no sample collected
6. NS: Well not sampled, see text for explanation

Table 6 - Summary of Historical Analytical Results for Toluene

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
11/15/02	FPH	<0.001	0.005	0.039	<0.001	<0.001			
02/18/03	FPH	0.014	0.634	0.436	0.056	<0.001			
04/17/03	FPH	0.007	0.513	0.45	0.007	<0.001			
10/28/03	FPH	0.001	0.275	0.029	0.048	<0.001	<0.001	<0.001	<0.001
01/29/04	FPH	0.0350	0.506	0.169	0.064	0.00140	<0.001	0.00109	<0.001
06/29/04	FPH	0.000219	0.0917	0.0202	0.00172	<0.00014	<0.00014	<0.00014	<0.00014
09/28/04	FPH	0.0174	0.0218	FPH	0.00281	<0.001	<0.001	<0.001	<0.001
12/06/04	FPH	0.0017	0.0438	FPH	0.00318	<0.001	<0.001	<0.001	<0.001
03/16/05	FPH	<0.001	0.013	FPH	.00038	<0.001	<0.001	<0.001	<0.001
06/06/05	FPH	<0.001	0.056	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
9/20/05	FPH	<0.001	0.1355	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
12/15/05	1.37	<0.001	0.414	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
03/21/06	0.931	<0.001	1.575	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
06/26/06	1.42	<0.001	2.93	5.73	<0.001	<0.001	<0.001	<0.001	<0.001
09/16/06	0.508	<0.001	3.48	0.0415	<0.001	<0.001	<0.001	<0.001	<0.001
12/11/06	<0.001	<0.001	3.35	0.139	<0.001	<0.001	<0.001	<0.001	<0.001
03/14/07	0.232	<0.001	2.75	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
06/20/07	0.43	<0.001	3.49	0.98	<0.001	NS	<0.001	<0.001	<0.001
09/26/07	0.097	<0.001	2.555	0.35	<0.001	NS	<0.001	<0.001	<0.001
12/27/07	0.0372	<0.002	2.81	0.145	<0.002	NS	<0.002	<0.002	<0.002
03/06/08	0.07	<0.002	4.36	<0.002	<0.002	NS	<0.002	<0.002	<0.002
09/17/08	0.0555	<0.002	3.3	0.0068	0.0007	NS	<0.002	<0.002	<0.002
03/10/09	0.0178	<0.002	2.5	0.0178	<0.002	NS	<0.002	<0.002	<0.002
9/23/09	0.0197	<0.002	4.32	<0.002	<0.002	NS	<0.002	<0.002	<0.002
3/22/10	0.016	<0.002	1.475	0.0255	0.0037	NS	<0.002	<0.002	<0.002
9/16/10	0.0319	<0.002	0.1785	<0.002	<0.002	NS	<0.002	<0.002	<0.002

Notes:

1. All units mg/l,
2. Duplicate results averaged,
3. "J" qualifiers are not included in summary
4. Wells not installed where blank cells are present.
5. FPH: free phase hydrocarbons present so no sample collected
6. NS: Well not sampled, see text for explanation

Table 7 – Summary of Historical Analytical Results for Ethylbenzene

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
11/15/02	FPH	<0.001	<0.001	0.002	<0.001	<0.001			
02/18/03	FPH	0.001	0.021	0.022	0.004	<0.001			
04/17/03	FPH	<0.001	0.028	0.029	<0.001	<0.001			
10/28/03	FPH	<0.001	0.031	0.002	0.002	<0.001	<0.001	<0.001	<0.001
01/29/04	FPH	0.00292	0.0679	0.0203	0.00404	0.00133	<0.001	0.00112	<0.001
06/29/04	FPH	0.00534	0.0873	0.352	0.0603	<0.00013	<0.00013	0.000633	<0.00013
09/28/04	FPH	<0.001	0.105	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
12/06/04	FPH	<0.001	0.154	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
03/16/05	FPH	<0.001	0.150	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
06/06/05	FPH	<0.001	0.1535	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
09/20/05	FPH	<0.001	0.288	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
12/15/05	0.313	<0.001	0.173	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
03/21/06	0.419	<0.001	0.4085	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
06/26/06	0.534	<0.001	0.0333	1.03	<0.001	<0.001	<0.001	<0.001	<0.001
09/16/06	0.153	<0.001	0.288	0.21	<0.001	<0.001	<0.001	<0.001	<0.001
12/11/06	<0.001	<0.001	0.391	0.111	<0.001	<0.001	<0.001	<0.001	<0.001
03/14/07	0.453	<0.001	0.3185	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
06/20/07	0.40	<0.001	0.52	0.61	<0.001	NS	<0.001	<0.001	<0.001
09/26/07	0.37	<0.001	0.35	0.19	<0.001	NS	<0.001	<0.001	<0.001
12/27/07	0.278	<0.002	0.316	0.0837	<0.002	NS	<0.002	<0.002	<0.002
03/06/08	0.94	<0.002	0.57	<0.002	<0.002	NS	<0.002	<0.002	<0.002
09/17/08	0.239	<0.002	0.386	0.0703	<0.002	NS	<0.002	<0.002	<0.002
03/10/09	0.224	<0.002	0.2945	0.0618	<0.002	NS	<0.002	<0.002	<0.002
9/23/09	0.112	<0.002	0.549	0.0243	<0.002	NS	<0.002	<0.002	<0.002
3/22/10	0.0147	<0.002	0.218	0.0107	<0.002	NS	<0.002	<0.002	<0.002
9/16/10	0.0334	<0.002	0.0916	<0.002	<0.002	NS	<0.002	<0.002	<0.002

Notes:

1. All units mg/l.
2. Duplicate results averaged.
3. "J" qualifiers are not included in summary
4. Wells not installed where blank cells are present.
5. FPH: free phase hydrocarbons present so no sample collected
6. NS: Well not sampled, see text for explanation

Table 8 – Summary of Historical Analytical Results for Xylenes

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
11/15/02	FPH	<0.001	<0.001	0.003	<0.001	<0.001			
02/18/03	FPH	0.001	0.064	0.032	0.004	<0.001			
04/17/03	FPH	<0.001	0.1	0.055	<0.001	<0.001			
10/28/03	FPH	<0.001	0.083	0.008	0.004	<0.001	<0.001	<0.001	<0.001
01/29/04	FPH	0.00474	0.0849	0.053	0.0074	0.00194	<0.001	0.00217	<0.001
06/29/04	FPH	0.001	0.02404	0.074	0.004	<0.0002	<0.0002	<0.0002	<0.0002
09/28/04	FPH	<0.001	0.0213	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
12/06/04	FPH	<0.001	0.0237	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
03/16/05	FPH	<0.001	0.02842	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
06/06/05	FPH	<0.001	0.0502	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
09/20/05	FPH	<0.001	0.221	FPH	<0.001	<0.001	<0.001	<0.001	0.00105
12/15/05	1.334	<0.001	0.177	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
03/21/06	1.379	<0.001	0.9015	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
06/26/06	1.722	<0.001	0.414	5.69	<0.001	<0.001	<0.001	<0.001	<0.001
09/16/06	0.323	<0.001	0.384	1.028	<0.001	<0.001	<0.001	<0.001	<0.001
12/11/06	<0.001	<0.001	0.557	0.466	<0.001	<0.001	<0.001	<0.001	<0.001
03/14/07	0.27	<0.001	0.501	FPH	<0.001	<0.001	<0.001	<0.001	<0.001
06/20/07	0.79	<0.002	0.78	2.65	<0.002	NS	<0.002	<0.002	<0.002
09/26/07	0.47	<0.002	0.515	0.93	<0.002	NS	<0.002	<0.002	<0.002
12/27/07	0.0736	<0.006	0.4615	0.425	<0.006	NS	<0.006	<0.006	<0.006
03/06/08	1.58	<0.006	0.99	<0.006	<0.006	NS	<0.006	<0.006	<0.006
09/17/08	0.0751	<0.006	0.674	0.081	<0.006	NS	<0.006	<0.006	<0.006
03/10/09	0.0926	<0.006	0.913	0.0863	<0.006	NS	<0.006	<0.006	<0.006
9/23/09	0.103	<0.006	1.36	0.0186	<0.006	NS	<0.006	<0.006	<0.006
3/22/10	0.0557	<0.006	0.5415	0.0574	0.0076	NS	<0.006	<0.006	<0.006
9/16/10	0.0399	<0.004	0.1197	0.0921	<0.004	NS	<0.004	<0.004	<0.004

Notes:

1. All units mg/l.
2. Duplicate results averaged.
3. "J" qualifiers are not included in summary
4. Wells not installed where blank cells are present.
5. FPH: free phase hydrocarbons present so no sample collected
6. NS: Well not sampled, see text for explanation

FIGURES

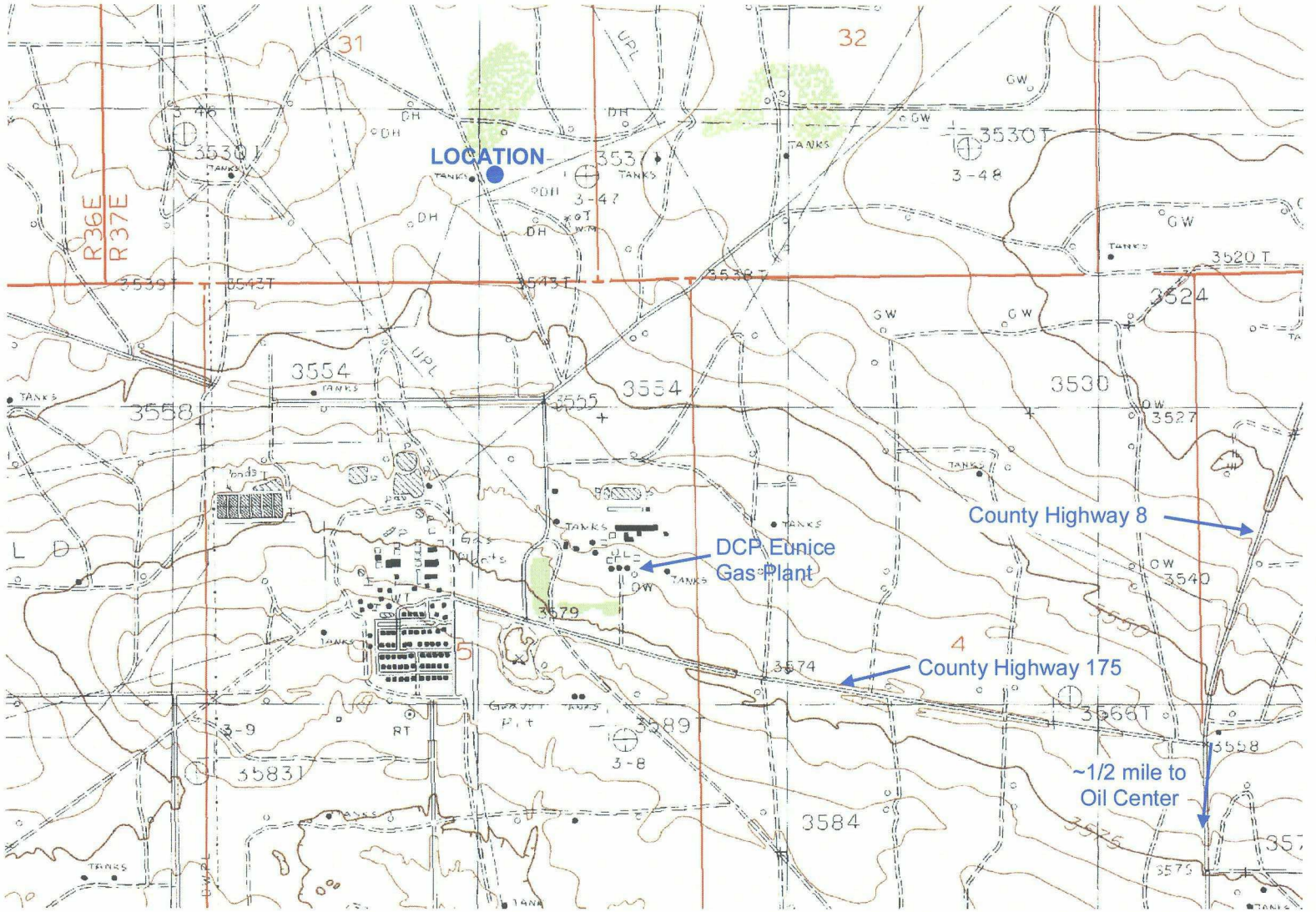


Figure 1 – Site Location and Topography

C-Line Groundwater Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 5/05

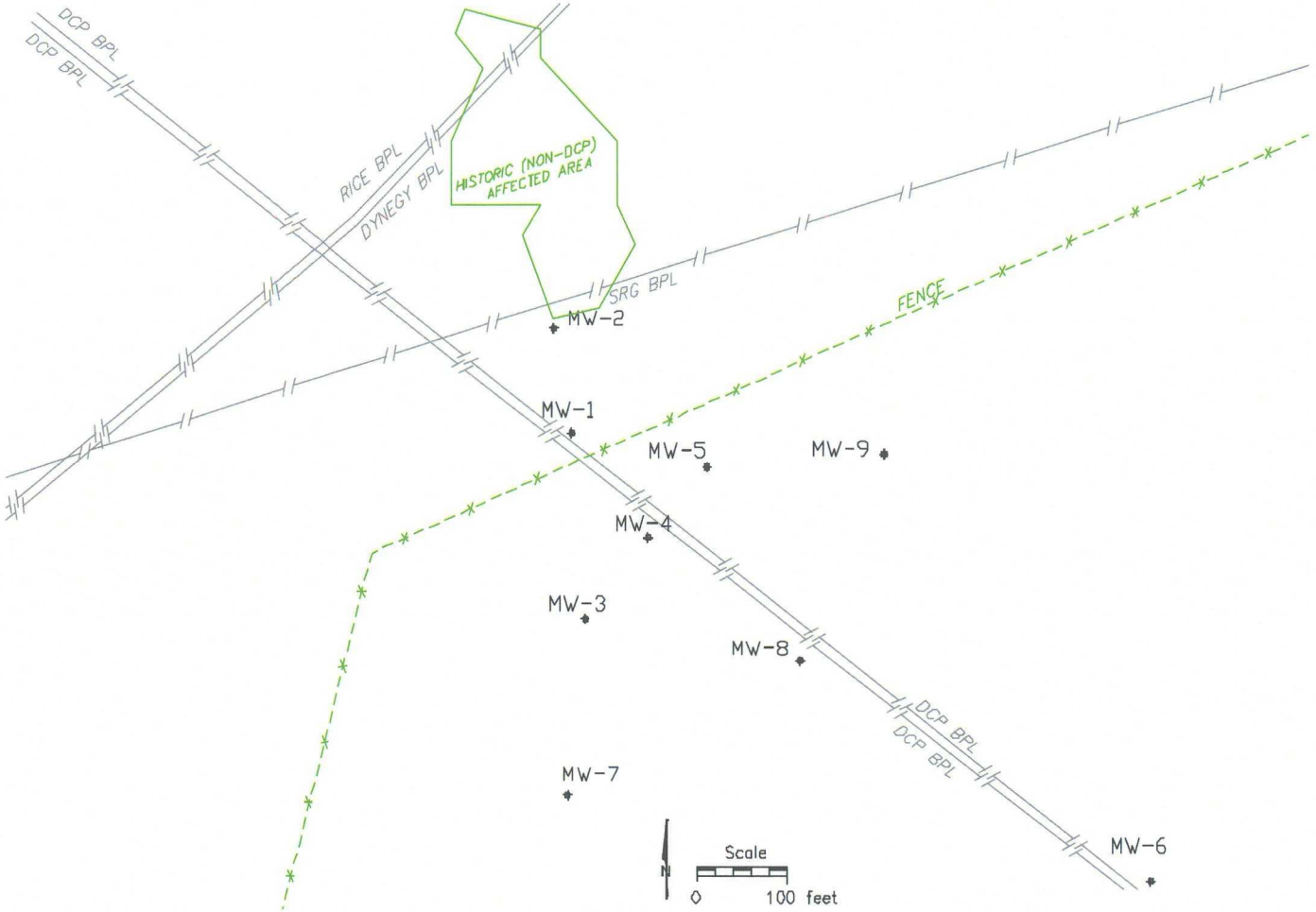


Figure 2 – Monitoring Well and Pipeline Locations

C-Line Groundwater Monitoring

dcp Midstream

DRAWN BY: MHS

DATE:10/07

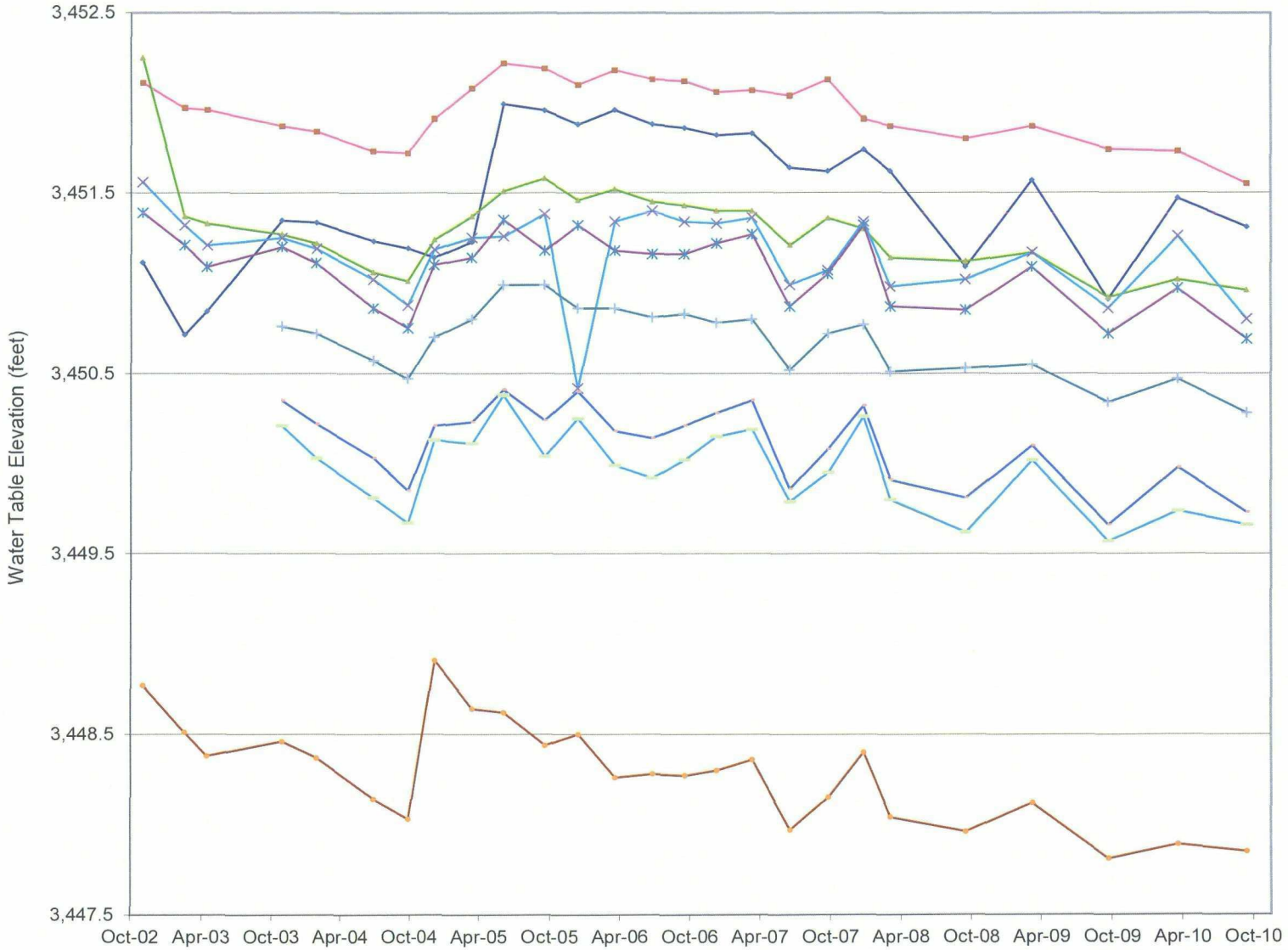


Figure 3 – Monitoring Well Hydrographs

C-Line Groundwater Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 11/10

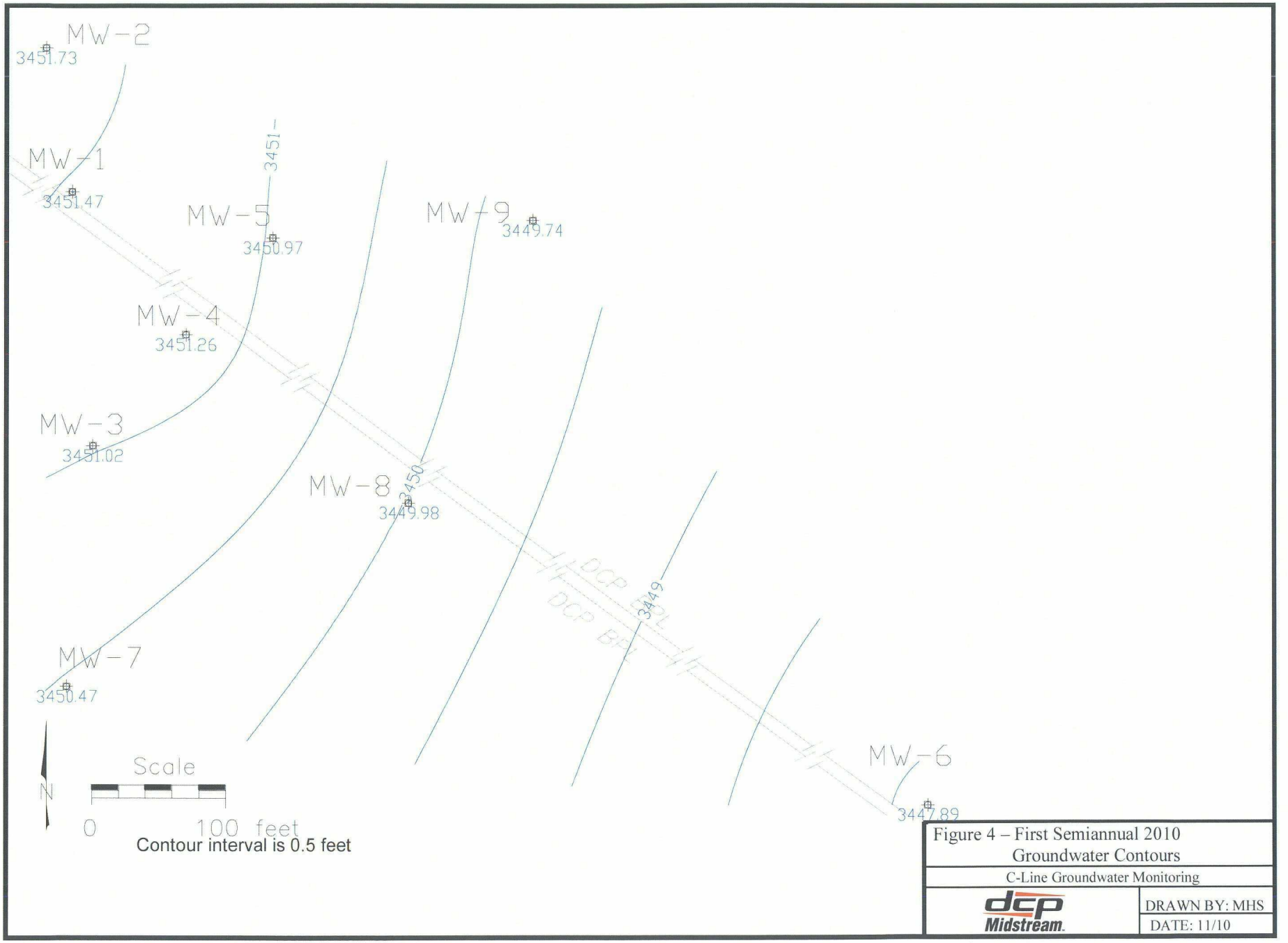


Figure 4 – First Semiannual 2010 Groundwater Contours

C-Line Groundwater Monitoring

DCP Midstream

DRAWN BY: MHS

DATE: 11/10

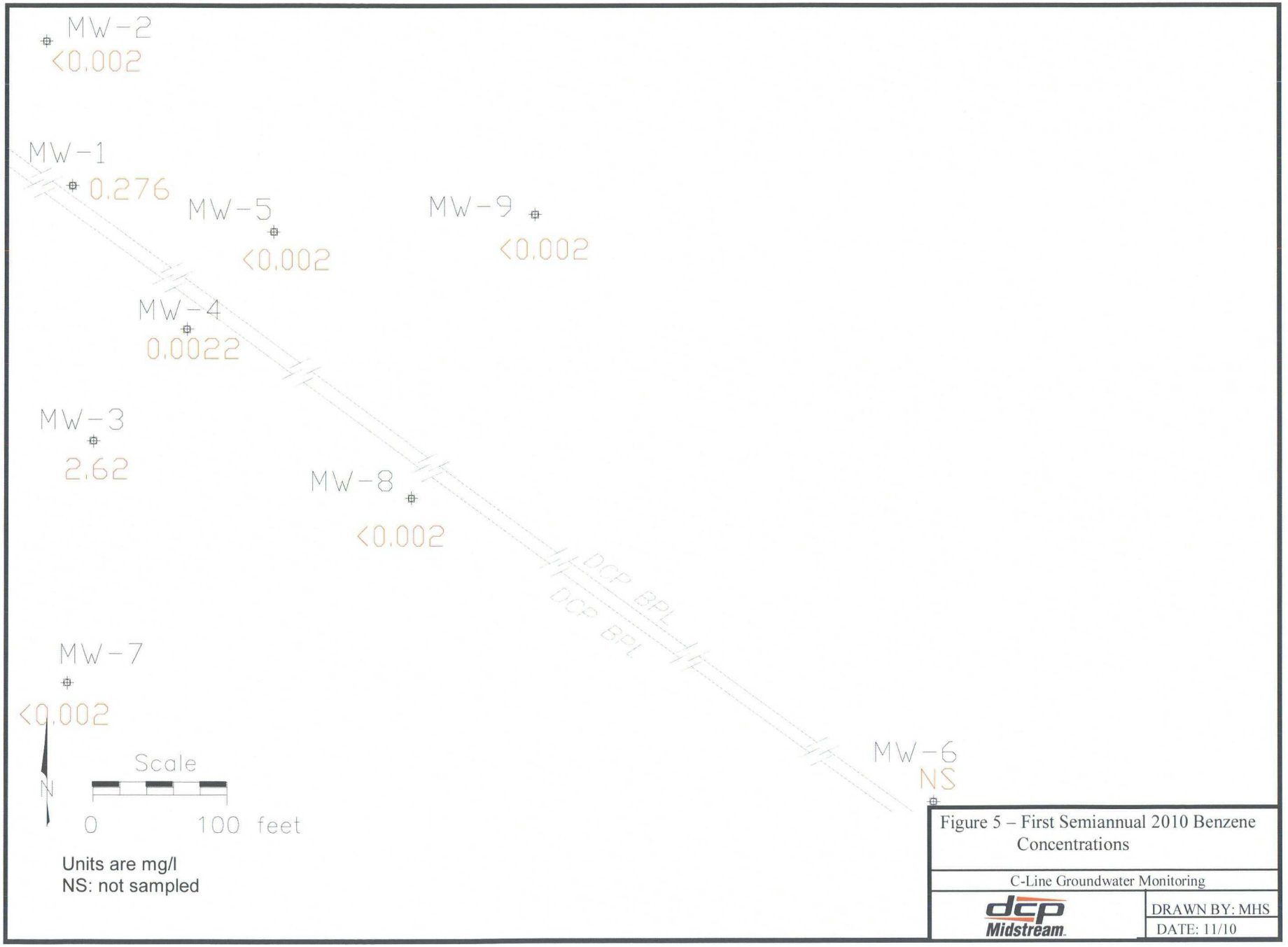


Figure 5 – First Semiannual 2010 Benzene Concentrations

C-Line Groundwater Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 11/10

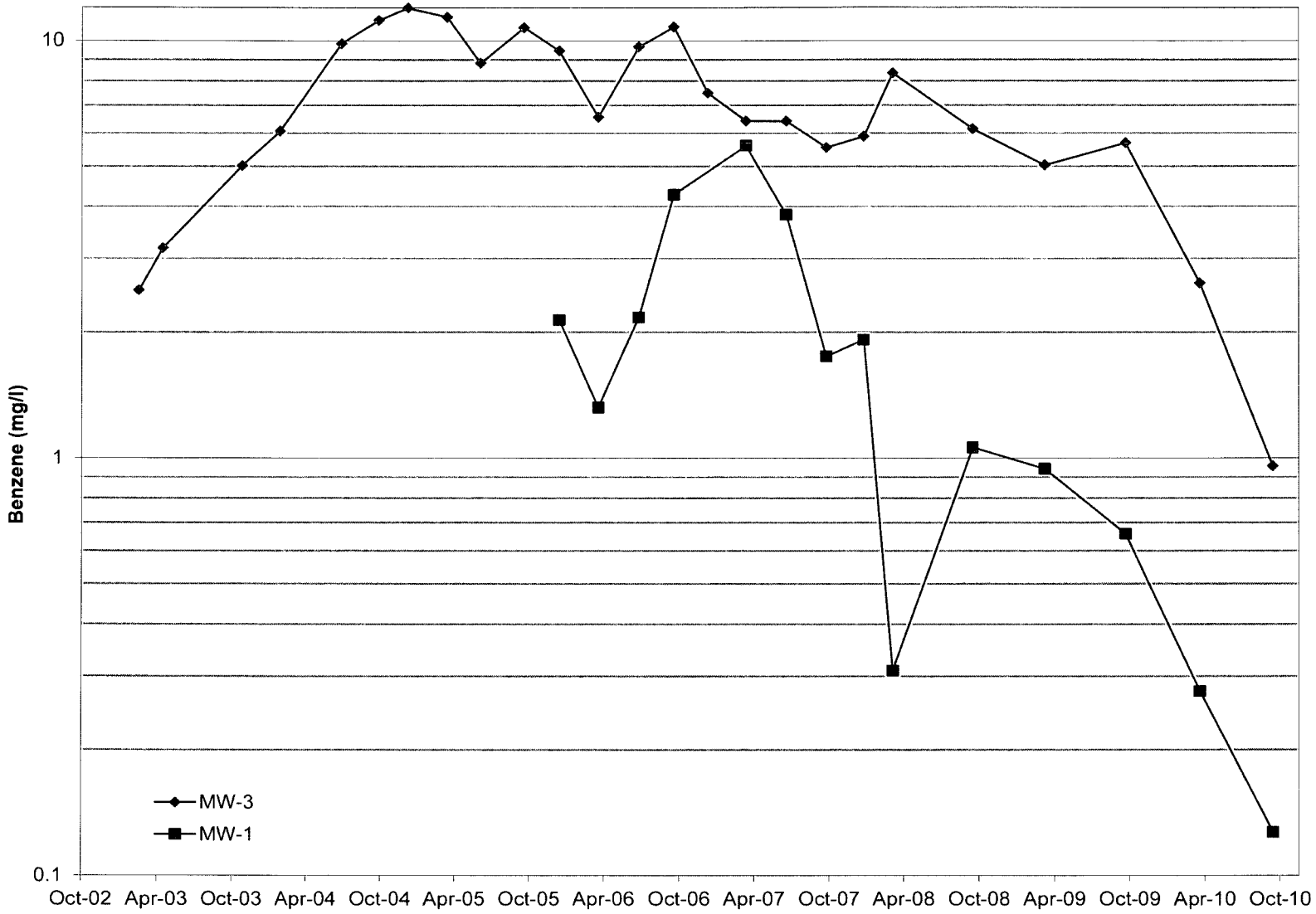


Figure 6 – Benzene Concentrations in MW-1 and MW-3

C-Line Groundwater Monitoring

dcp Midstream.

DRAWN BY: MHS

DATE: 11/10

WELL SAMPLING DATA
AND
ANALYTICAL LABORATORY REPORT

WELL SAMPLING DATA FORM

CLIENT: **DCP Midstream** WELL ID: **MW-1**

SITE NAME: C Line DATE: 9/16/2010

PROJECT NO. _____ SAMPLER: M Stewart/ N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

TOTAL DEPTH OF WELL: 101.50 Feet
DEPTH TO WATER: 91.35 Feet
HEIGHT OF WATER COLUMN: 10.15 Feet
WELL DIAMETER: 4.0 Inch

19.9 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
1100	15.0	26	250	4.49			Bailed down at 15 gallons
	15.0	:Total Vol (gal)					

SAMPLE NO.: MW-1

ANALYSES:	BTEX (8260)				

COMMENTS: No field measurements due to meter problems.

WELL SAMPLING DATA FORM

CLIENT: **DCP Midstream** WELL ID: **MW-2**

SITE NAME: C Line DATE: 9/16/2010

PROJECT NO. _____ SAMPLER: M Stewart/ N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

TOTAL DEPTH OF WELL: 100.94 Feet

DEPTH TO WATER: 89.36 Feet

HEIGHT OF WATER COLUMN: 11.58 Feet

WELL DIAMETER: 2.0 Inch

5.7 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.0	25.5	2.57	7.08			
	4.0	23.6	2.546	7.34			
1120	6.0	23.0	2.50	7.13			
	6.0	:Total Vol (gal)					

SAMPLE NO.: MW-2

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: **DCP Midstream** WELL ID: **MW-3**

SITE NAME: C Line DATE: 9/16/2010

PROJECT NO. _____ SAMPLER: M Stewart/ N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

TOTAL DEPTH OF WELL: 102.44 Feet
DEPTH TO WATER: 90.45 Feet
HEIGHT OF WATER COLUMN: 11.99 Feet
WELL DIAMETER: 2.0 Inch

5.9 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.0	20.3	2.321	7.26			
	4.0	20.3	2.32	7.34			
	6.0	20.3	2.32	7.36			
	6.0	:Total Vol (gal)					

SAMPLE NO.: MW-3

ANALYSES: BTEX (8260)

COMMENTS: Collected Duplicate Sample

WELL SAMPLING DATA FORM

CLIENT: **DCP Midstream** WELL ID: **MW-4**

SITE NAME: C Line DATE: 9/16/2010

PROJECT NO. _____ SAMPLER: M Stewart/ N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

TOTAL DEPTH OF WELL: 103.42 Feet
DEPTH TO WATER: 90.6 Feet
HEIGHT OF WATER COLUMN: 12.82 Feet
WELL DIAMETER: 2.0 Inch

6.3 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.0	21	2.488	7.59			
	4	21.1	2.512	7.51			
	6	21.3	2.642	7.55			
	6.0	:Total Vol (gal)					

SAMPLE NO.: MW-4

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: **DCP Midstream** WELL ID: **MW-5**

SITE NAME: C Line DATE: 9/16/2010

PROJECT NO. _____ SAMPLER: M Stewart/ N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

TOTAL DEPTH OF WELL: 102.05 Feet
DEPTH TO WATER: 90.76 Feet
HEIGHT OF WATER COLUMN: 11.29 Feet
WELL DIAMETER: 2.0 Inch

5.5 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.0	21	3.05	7.34			
	4.0	21.4	2.9	7.51			
930	6.0	21.4	2.82	7.33			
	6.0	:Total Vol (gal)					

SAMPLE NO.: MW-5

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: **DCP Midstream** WELL ID: **MW-6**

SITE NAME: C Line DATE: 9/16/2010

PROJECT NO. _____ SAMPLER: M Stewart/ N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

TOTAL DEPTH OF WELL: 103.20 Feet
DEPTH TO WATER: 96.13 Feet
HEIGHT OF WATER COLUMN: 7.07 Feet
WELL DIAMETER: 2.0 Inch

3.5 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	0.0	:Total Vol (gal)					

SAMPLE NO.: MW-6

ANALYSES: BTEX (8260)

COMMENTS: Did Not Purge & Sample

WELL SAMPLING DATA FORM

CLIENT: **DCP Midstream** WELL ID: **MW-7**

SITE NAME: C Line DATE: 9/16/2010

PROJECT NO. _____ SAMPLER: M Stewart/ N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

TOTAL DEPTH OF WELL: 100.40 Feet
DEPTH TO WATER: 92.14 Feet
HEIGHT OF WATER COLUMN: 8.26 Feet
WELL DIAMETER: 2.0 Inch

4.0 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.3	20.6	2.153	7.34			
	2.6	20.2	2.17	7.38			
	3.9	20.1	2.17	7.43			
	3.9	:Total Vol (gal)					

SAMPLE NO.: MW-7

ANALYSES: BTEX (8260)

COMMENTS: MS / MSD sample collected

WELL SAMPLING DATA FORM

CLIENT: **DCP Midstream** WELL ID: **MW-8**

SITE NAME: C Line DATE: 9/16/2010

PROJECT NO. _____ SAMPLER: M Stewart/ N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

TOTAL DEPTH OF WELL: 100.50 Feet
DEPTH TO WATER: 90.56 Feet
HEIGHT OF WATER COLUMN: 9.94 Feet
WELL DIAMETER: 2.0 Inch

4.9 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2	21.8	2.58	7.45			
	3.2	21.8	2.53	7.44			
1015	4.8	21.7	2.53	7.51			
	4.8	:Total Vol (gal)					

SAMPLE NO.: MW-8

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: **DCP Midstream** WELL ID: **MW-9**

SITE NAME: C Line DATE: 9/16/2010

PROJECT NO. _____ SAMPLER: M Stewart/ N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

TOTAL DEPTH OF WELL: 100.50 Feet
DEPTH TO WATER: 89.96 Feet
HEIGHT OF WATER COLUMN: 10.54 Feet
WELL DIAMETER: 2.0 Inch

5.2 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.6	22.7	2.81	7.34			
	3.2	22.4	2.80	7.50			
1015	4.8	21.7	2.80	7.42			
	4.8	:Total Vol (gal)					

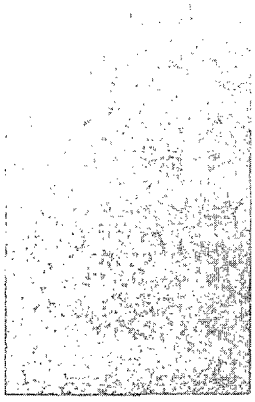
SAMPLE NO.: MW-9

ANALYSES: BTEX (8260)

COMMENTS: _____

Mountain States
ACCUTEST
LABORATORIES

11/04/10



Technical Report for

DCP Midstream, LP

AECCOL: CLINED MONITORING 90262220

Project GN00

Accutest Job Number: D17502

Sampling Dates: 09/15/10 D 09/16/10

Report To:

American Environmental Consulting, LLC

mstewart@aecdenver.com

ATTN: Michael Stewart

Total Number of Pages in Report: 20

ACCREDITED IN ACCORDANCE WITH nelac

Test Results Contained Within This Data Package Meet The Requirements D of The National Environmental Laboratory Accreditation Conference D and/or State Specific Certification Programs As Applicable.

John D Hamilton
Laboratory Director

Client Service Contact: Shea Greiner D 303-425-6021

Certifications: CO, DD, DE, DNM, DND(R-027) DPW) DDUTD(NELAP CO00049)
This Report Shall Not Be Reproduced, Except In Its Entirety, Without The Written Approval Of Accutest Laboratories.
Test Results Relate Only To Samples Analyzed.

Sections:

Table of Contents

Sample Summary

DCP Midstream, LP

Job No: D17502

AECCOL: CLINE MONITORING 390262220
Project No: Project GN00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
D17502-1	09/16/10	11:00		09/20/10	AQ	Ground Water	MW-1
D17502-2	09/16/10	11:20		09/20/10	AQ	Ground Water	MW-2
D17502-3	09/16/10	08:30		09/20/10	AQ	Ground Water	MW-3
D17502-4	09/16/10	09:30		09/20/10	AQ	Ground Water	MW-4
D17502-5	09/16/10	09:30		09/20/10	AQ	Ground Water	MW-5
D17502-6	09/15/10	08:20		09/20/10	AQ	Ground Water	MW-7
D17502-6D	09/15/10	08:20		09/20/10	AQ	Water Matrix Spike	MW-7
D17502-6M	09/15/10	08:20		09/20/10	AQ	Water Dup/MSD	MW-7
D17502-7	09/16/10	10:15		09/20/10	AQ	Ground Water	MW-8
D17502-8	09/16/10	10:15		09/20/10	AQ	Ground Water	MW-9
D17502-9	09/16/10	00:00		09/20/10	AQ	Ground Water	DUP

ACCUTEST laboratories

CASE NARRATIVE/QC CONFORMANCE SUMMARY

Client: DCP Midstream, LP **Job No** D17502

Site: AECCOL: CLINE MONITORING 90262220 **Report Dat** 9/23/2010 1:26:26 AM

On 09/20/2010, nine (9) samples, 0 Trip Blanks, and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 5.2°C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D17502 was assigned to the project. The lab sample IDs, client sample IDs, and dates of sample collection are detailed in the report's Results Summary.

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

Volatiles By GC/MS By Method SW846 8260B

Matrix AQ	Batch ID: V5V569

- All Samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17502-6MS and D17502-6MSD were used as the QC samples indicated.

AMS certifies that data reported for samples received, listed on the associated Custody Chain or Analytical Task Order, were produced to specifications meeting AMS's Quality System Precision, Accuracy and Completeness objectives except as noted.

Estimated Non-standard Method Measurement Uncertainty Data is available on request, based on Quality Control Bias and Implicit for standard methods. Acceptable Uncertainty requires tested Parameter Quality Control Data to meet Method Criteria.

AMS is not responsible for Data Quality Assumptions of Partial Reports are used and recommends that this Report be used in its entirety. This Report is authorized by AMS indicated via Signature on the Report Cover.

Mountain States
ACCUTEST
LABORATORIES

Sample Results

Reports of Analysis

Report of Analysis

Client Sample ID:	MW-1C		
Lab Sample ID:	D17502-1	**Date Sampled:**	09/16/10
Matrix:	AQ - Ground Water	**Date Received:**	09/20/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	AECCOL: CLINE MONITORING 90262220		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10348.D	5	09/20/10	DC	n/a	n/a	V5V569
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	0.127	0.0050	0.0015	mg/l	
108-88-3	Toluene	0.0319	0.010	0.0050	mg/l	
100-41-4	Ethylbenzene	0.0334	0.010	0.0015	mg/l	
	m,p-Xylene	0.0356	0.020	0.0030	mg/l	
95-47-6	o-Xylene	0.0043	0.010	0.0030	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	88%		63-130%
2037-26-5	Toluene-D8	88%		68-130%
460-00-4	4-Bromofluorobenzene	88%		61-130%

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

ACCUTEST

Report of Analysis

Client Sample ID:	MW-2C		
Lab Sample ID:	D17502-2	**Date Sampled:**	09/16/10
Matrix:	AQ - Ground Water	**Date Received:**	09/20/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	AECCOL: CLINE MONITORING 90262220		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10349.D	1	09/20/10	DC	n/a	n/a	V5V569
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		63-130%
2037-26-5	Toluene-D8	85%		68-130%
460-00-4	4-Bromofluorobenzene	89%		61-130%

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

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	D17502-3	**Date Sampled:**	09/16/10
Matrix:	AQ - Ground Water	**Date Received:**	09/20/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	AECOM: CLINE MONITORING 60262220		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10352.D	10	09/20/10	DC	n/a	n/a	V5V569
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	1.05	0.010	0.0030	mg/l	
108-88-3	Toluene	0.205	0.020	0.010	mg/l	
100-41-4	Ethylbenzene	0.104	0.020	0.0030	mg/l	
	m,p-Xylene	0.0456	0.040	0.0060	mg/l	
95-47-6	o-Xylene	0.0741	0.020	0.0060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		63-130%
2037-26-5	Toluene-D8	86%		68-130%
460-00-4	4-Bromofluorobenzene	86%		61-130%

ND = Not Detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates Value Exceeds Calibration Range
J = Indicates an Estimated Value
B = Indicates Analyte Found in Associated Method Blank
N = Indicates Presumptive Evidence of a Compound

Report of Analysis

Client Sample ID:	MW-4C		
Lab Sample ID:	D17502-4	**Date Sampled:**	09/16/10
Matrix:	AQ - Ground Water	**Date Received:**	09/20/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	AECOL: CLINE MONITORING 90262220		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10353.D	1	09/20/10	DC	n/a	n/a	V5V569
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		63-130%
2037-26-5	Toluene-D8	87%		68-130%
460-00-4	4-Bromofluorobenzene	90%		61-130%

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

Report of Analysis

Client Sample ID:	MW-5C		
Lab Sample ID:	D17502-5	**Date Sampled:**	09/16/10
Matrix:	AQ - Ground Water	**Date Received:**	09/20/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	AECCOL:CLINE MONITORING 90262220		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10347.D	1	09/20/10	DC	n/a	n/a	V5V569
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		63-130%
2037-26-5	Toluene-D8	86%		68-130%
460-00-4	4-Bromofluorobenzene	88%		61-130%

ND = Not Detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates Value Exceeds Calibration Range
J = Indicates an Estimated Value
B = Indicates Analyte Found in Associated Method Blank
N = Indicates Presumptive Evidence of a Compound

Report of Analysis

Client Sample ID:	MW-7C		
Lab Sample ID:	D17502-6	**Date Sampled:**	09/15/10
Matrix:	AQ - Ground Water	**Date Received:**	09/20/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	AECCOL: CLINE MONITORING 90262220		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10346.D	1	09/20/10	DC	n/a	n/a	V5V569
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		63-130%
2037-26-5	Toluene-D8	83%		68-130%
460-00-4	4-Bromofluorobenzene	88%		61-130%

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

Report of Analysis

Client Sample ID:	MW-8C		
Lab Sample ID:	D17502-7	**Date Sampled:**	09/16/10
Matrix:	AQ - Ground Water	**Date Received:**	09/20/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	AECOM: CLINE MONITORING 60262220		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10354.D	1	09/20/10	DC	n/a	n/a	V5V569
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	96%		63-130%
2037-26-5	Toluene-D8	87%		68-130%
460-00-4	4-Bromofluorobenzene	89%		61-130%

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

Report of Analysis

Client Sample ID:	MW-9C		
Lab Sample ID:	D17502-8	**Date Sampled:**	09/16/10
Matrix:	AQ - Ground Water	**Date Received:**	09/20/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	AECOL:CLINE MONITORING 90262220		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10355.D	1	09/20/10	DC	n/a	n/a	V5V569
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		63-130%
2037-26-5	Toluene-D8	89%		68-130%
460-00-4	4-Bromofluorobenzene	93%		61-130%

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

Report of Analysis

Client Sample ID:	DUPC		
Lab Sample ID:	D17502-9	**Date Sampled:**	09/16/10
Matrix:	AQ - Ground Water	**Date Received:**	09/20/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	AECOM: CLINE MONITORING 60262220		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10356.D	10	09/20/10	DC	n/a	n/a	V5V569
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	0.861	0.010	0.0030	mg/l	
108-88-3	Toluene	0.152	0.020	0.010	mg/l	
100-41-4	Ethylbenzene	0.0792	0.020	0.0030	mg/l	
	m,p-Xylene	0.0318	0.040	0.0060	mg/l	J
95-47-6	o-Xylene	0.0603	0.020	0.0060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	86%		63-130%
2037-26-5	Toluene-D8	84%		68-130%
460-00-4	4-Bromofluorobenzene	86%		61-130%

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

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

D17502

4036 Youngfield Street
Wheat Ridge CO 80033
303-425-6021 Phone 330-425-6854 Fax

Accutest Job #: 390262220
Accutest Quote #:

Client Information

DCP Midstream
Name: 370 Seventeenth Street, Suite 2500
Address: Denver CO 80202
City State Zip
Send Report to: Stephen Weathers
Phone #: 303.605.1718

Facility Information

American Environmental Consulting, LP
Project Name: Cline Monitoring
Location: West of Oil Center
Project/PO #: GN00
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	BTEX 8260B	MS/MSD FOR BTEX 8260B	
MW-1	9-16	1100		GW	3						X		01
MW-2	9-16	1120		GW	3						X		02
MW-3	9-16	830		GW	3						X		03
MW-4	9-16	930		GW	3						X		04
MW-5	9-16	930		GW	3						X		05
MW-7	9-16	820	MS	GW	3						X		06
MW-8	9-16	1015		GW	3						X		07
MW-9	9-16	1015		GW	3						X		08
DUP	9-16	000		GW	3						X		09
Trip Blank	LNB			GW	1						X		Not e'd-p
MW-7 MS/MSD	9-16	820	MS		6							X	06 MS+SD

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [ ] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [X] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

Accutest to invoice DCP Midstream, Attn: Steve Weathers and email the results to him upon completion.

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	9-20-10 740	1 9/20/10 740	2		2
3		3	4		4
5		5	Seal #	Preserved where applica	On Ice: (Y) 5.2

D17502: Chain of Custody
Page 1 of 1

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: D17502
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL: CLINE MONITORING 390262220

Sample	FileID	DF	Analyzed	By	PrepDate	PrepBatch	AnalyticalBatch
V5V569-MB1	5V10344.D	1	09/20/10	DC	n/a	n/a	V5V569

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

D17502-1, D17502-2, D17502-3, D17502-4, D17502-5, D17502-6, D17502-7, D17502-8, D17502-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.30	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
	m,p-Xylene	ND	4.0	0.60	ug/l	
95-47-6	o-Xylene	ND	2.0	0.60	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	95%	63-130%
2037-26-5	Toluene-D8	89%	68-130%
460-00-4	4-Bromofluorobenzene	93%	61-130%

Blank Spike Summary

Job Number: D17502
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL: CLINE MONITORING 390262220

Sample	FileID	DF	Analyzed	By	PrepDate	PrepBatch	AnalyticalBatch
V5V569-BS1	5V10345.D	1	09/20/10	DC	n/a	n/a	V5V569

5.2.1

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

D17502-1, D17502-2, D17502-3, D17502-4, D17502-5, D17502-6, D17502-7, D17502-8, D17502-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	52.3	105	70-130
100-41-4	Ethylbenzene	50	54.7	109	70-130
108-88-3	Toluene	50	52.4	105	70-140
	m,p-Xylene	50	49.9	100	55-134
95-47-6	o-Xylene	50	48.8	98	55-134

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	88%	63-130%
2037-26-5	Toluene-D8	83%	68-130%
460-00-4	4-Bromofluorobenzene	99%	61-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D17502
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL: CLINE MONITORING 390262220

Sample	FileID	DF	Analyzed	By	PrepDate	PrepBatch	AnalyticalBatch
D17502-6MS	5V10350.D	1	09/20/10	DC	n/a	n/a	V5V569
D17502-6MSD	5V10351.D	1	09/20/10	DC	n/a	n/a	V5V569
D17502-6	5V10346.D	1	09/20/10	DC	n/a	n/a	V5V569

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

D17502-1, D17502-2, D17502-3, D17502-4, D17502-5, D17502-6, D17502-7, D17502-8, D17502-9

CAS No.	Compound	D17502-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	49.1	98	50.9	102	4	59-132/30
100-41-4	Ethylbenzene	ND		50	52.7	105	54.4	109	3	68-130/30
108-88-3	Toluene	ND		50	51.4	103	52.4	105	2	56-142/30
	m,p-Xylene	ND		50	47.6	95	48.6	97	2	36-146/30
95-47-6	o-Xylene	ND		50	46.5	93	47.3	95	2	36-146/30

CAS No.	Surrogate Recoveries	MS	MSD	D17502-6	Limits
17060-07-0	1,2-Dichloroethane-D4	88%	89%	93%	63-130%
2037-26-5	Toluene-D8	87%	87%	83%	68-130%
460-00-4	4-Bromofluorobenzene	100%	102%	88%	61-130%