1RP-401-0

1st SEMI ANNUAL 2010 GW Monitoring results

DATE:
July 27, 2010

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

July 27, 2010

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

RE: 1st 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 1st 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

July 19, 2010

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

Re: First 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 first semiannual 2010 groundwater monitoring activities completed at the C-Line 50602 release location for DCP Midstream, LP (DCP). The monitoring activities were completed on March 22, 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 disposal 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). The anlytical laboratory report is attached.

Matrix spike, matrix spike duplicate samples were collected from MW-8. 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;
- The BTEX constituents in the trip blank were all below their method detection limits;
- 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 less than 20 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 increased in all of the wells except MW-2 where it declined slightly.

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 the following:

1. The BTEX constituents were not detected in downgradient wells MW-7, MW-8 and MW-9 and upgradient well MW-2;

2. Cross-gradient well MW-5 contained trace concentrations of toluene and xylenes that were two orders of magnitude below their respective NMWQCC standards.
3. The NMWQCC standard for benzene was exceeded in wells MW-1, MW-3 (primary and duplicate samples) and MW-4 and the standard for toluene was exceeded in MW-3 (primary and duplicate samples).

Figure 5 depicts the spatial event benzene distribution for this sampling event. 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 constituents in well MW-4, the well that is directly down gradient, have attenuated to a far greater degree.

The data for all sampling events are compiled in Table 5 for benzene, Table 6 for toluene, Table 7 for ethylbenzene, and Table 8 for xylenes. The changes in benzene concentrations over time are plotted for wells MW-1 and MW-3 on Figure 6.

Groundwater sampling began in MW-1in December 2005 after removal of the FPH was completed. The benzene concentration in MW-1 has decreased continuously since the second half of 2008. The concentration is now at its lowest value (with the exception of one anomalous reading), since monitoring began.

Sampling in MW-3 began in November 2002 at the start of the project. The benzene concentration in this well has steadily decreased since September 2006 with a couple of exceptions, and the decrease from September 2009 to March 2010 was one of the greatest recorded.

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 three years. This circumstance indicates that it has been removed. DCP continues to maintain a system at the site for removal should it ever return.

2. The dissolved-phase BTEX concentrations continue to decline in affected wells MW-1, MW-3 and MW-4, indicating that the source materials were removed.

3. The data for Table 5 establishes that natural bioremediation processes are attenuating the BTEX constituents down gradient from the source area (MW-1), through the middle of the site (MW-4) to the downgradient boundary (MW-8).

AEC recommends continued monitoring on a semi-annual basis to verify that these trends continue. The next monitoring event is scheduled for the second half of 2010. 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 – First Quarter 2010 Fluid Measurements

Well	Depth To Water	Water Table Elevation
MW-1	91.19	3451.47
MW-2	89.18	3451.73
MW-3	90.39	3451.02
MW-4	90.14	3451.26
MW-5	90.48	3450.97
MW-6	96.09	3447.89
MW-7	91.95	3450.47
MW-8	90.31	3449.98
MW-9	89.88	3449.74

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
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
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
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
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
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
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
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
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
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

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 – First Semiannual 2010 Results

Well	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standards	0.01	0.75	0.75	0.62
MW-1	**0.276**	0.016J	0.0147J	0.0557J
MW-2	<0.002	<0.002	<0.002	<0.006
MW-3	**2.8**	**1.61**	0.218	0.516
MW-3 (duplicate)	**2.43**	**1.34**	0.218	0.567J
MW-4	**0.0129**	0.0255	0.0107	0.0574
MW-5	<0.002	0.0037	<0.002	0.0076
MW-6	NS	NS	NS	NS
MW-7	<0.002	<0.002	<0.002	<0.006
MW-8	<0.002	<0.002	<0.002	<0.006
MW-9	<0.002	<0.002	<0.002	<0.006
Trip Blank	<0.002	<0.002	<0.002	<0.006

Notes:

1. All units mg/l
2. NS: Well not sampled
3. NMWQCC Standards: New Mexico Water Quality Control Commission groundwater standards
4. A J value quantifies a constituent that was measured between the method detection limit and the method reporting limit.

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

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

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

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

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

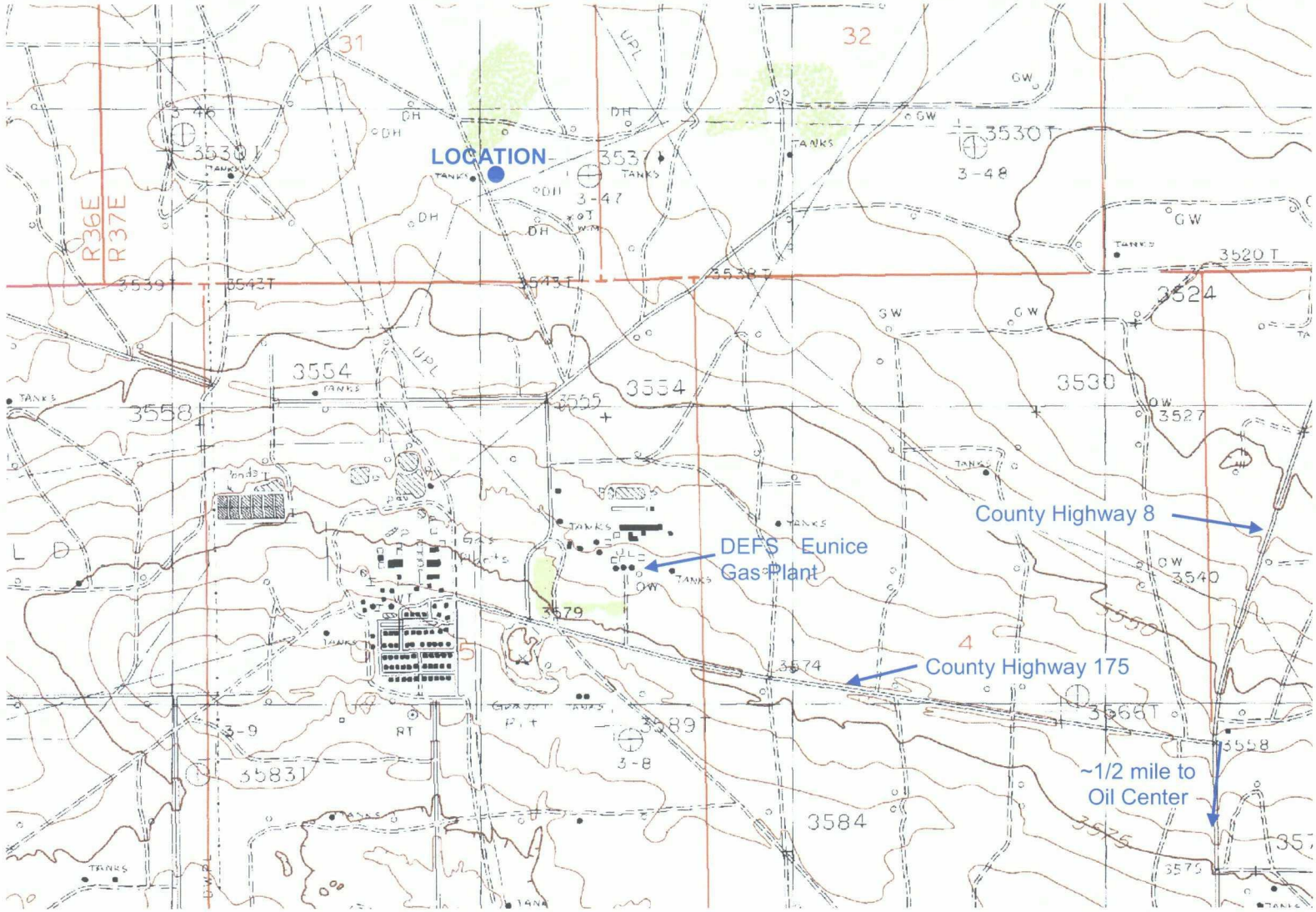


Figure 1 – Site Location and Topography

C-Line Groundwater Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 5/05

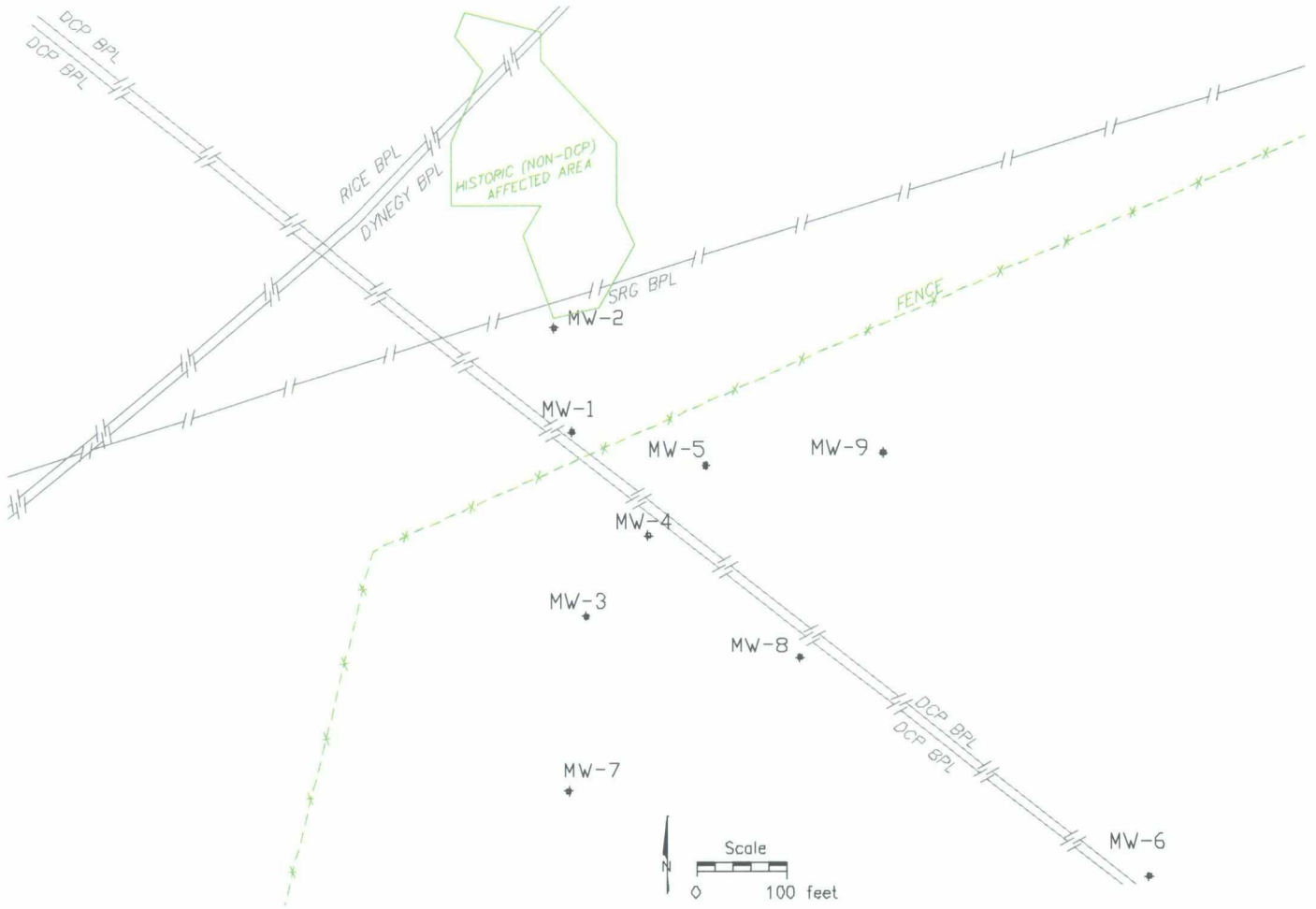


Figure 2 – Monitoring Well and Pipeline Locations

C-Line Groundwater Monitoring

dcp Midstream.

DRAWN BY: MHS

DATE:10/07

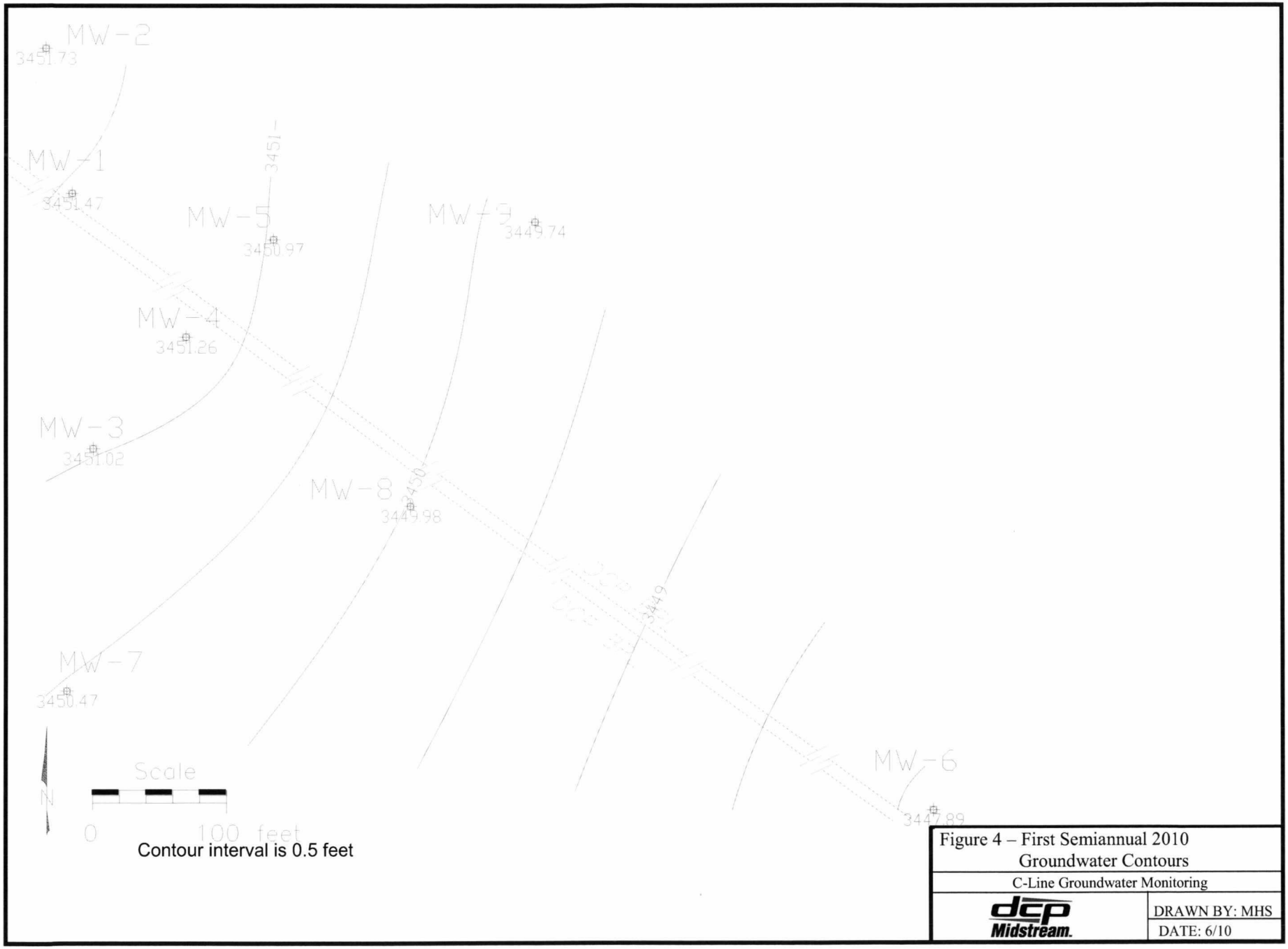
Figure 3 – Monitoring Well Hydrographs

C-Line Groundwater Monitoring

dcp Midstream.

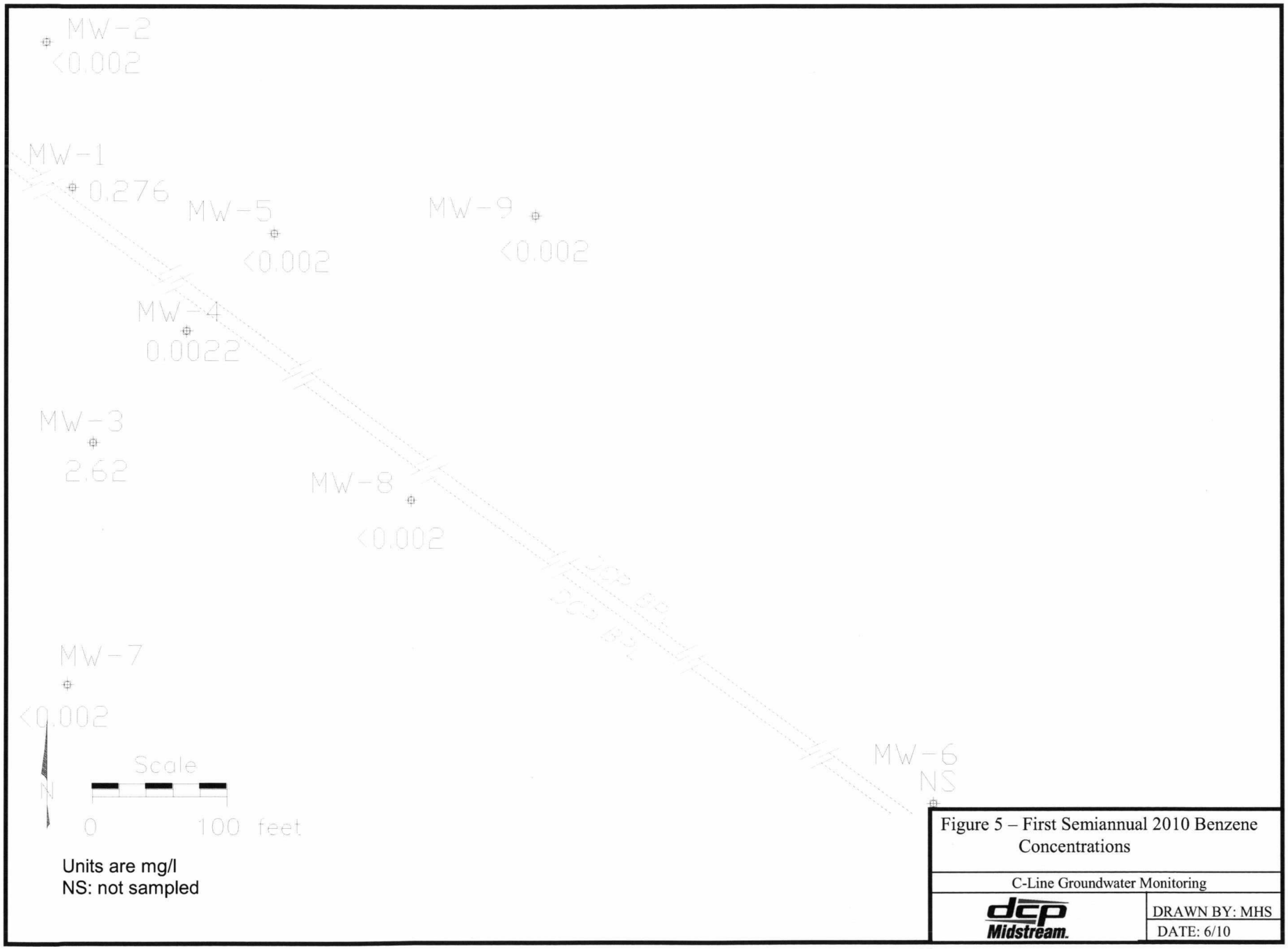
DRAWN BY: MHS

DATE: 6/10



Contour interval is 0.5 feet

Figure 4 – First Semiannual 2010 Groundwater Contours	
C-Line Groundwater Monitoring	
dcp Midstream.	DRAWN BY: MHS
	DATE: 6/10



Units are mg/l
NS: not sampled

Figure 5 – First Semiannual 2010 Benzene Concentrations

C-Line Groundwater Monitoring

dcp Midstream.

DRAWN BY: MHS

DATE: 6/10

WELL SAMPLING DATA
AND
ANALYTICAL LABORATORY REPORT

WELL SAMPLING DATA FORM

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

SITE NAME: C Line DATE: 3/22/2010

PROJECT NO. SAMPLER: M Stewart/A Taylor

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: 91.19 Feet
HEIGHT OF WATER COLUMN: 10.31 Feet
WELL DIAMETER: 4.0 Inch

20.2 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
							Bailed down at 14 gallons
	0.0	: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: 3/22/2010

PROJECT NO. _____ SAMPLER: M Stewart/A Taylor

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: 89.18 Feet

HEIGHT OF WATER COLUMN: 11.76 Feet

WELL DIAMETER: 2.0 Inch

5.8 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
	2.5	20.8	2.59	7.5			
	5.0	21.2	2.56	7.33			
	7.5	21.2	2.57	7.34			
	7.5	:Total Vol (gal)					

SAMPLE NO.: MW-2

ANALYSES: BTEX (8260)

COMMENTS: Collected Duplicate Sample

WELL SAMPLING DATA FORM

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

SITE NAME: C Line DATE: 3/22/2010

PROJECT NO. _____ SAMPLER: M Stewart/A Taylor

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: 90.39 Feet

HEIGHT OF WATER COLUMN: 12.05 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
	2.5	20.9	2.4	7.42			
	5.0	20.3	2.41	7.46			
	7.5	20.3	2.41	7.45			
	7.5	: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: 3/22/2010

PROJECT NO. _____ SAMPLER: M Stewart/A Taylor

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: 90.14 Feet
HEIGHT OF WATER COLUMN: 13.28 Feet
WELL DIAMETER: 2.0 Inch

6.5 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
	2.6	20.3	2.68	7.61			
	5.2	20.0	2.7	7.59			
	7.8	20.3	2.67	7.58			
	7.8	: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: 3/22/2010

PROJECT NO. _____ SAMPLER: M Stewart/A Taylor

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: 90.48 Feet
HEIGHT OF WATER COLUMN: 11.57 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. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.5	20.6	3.15	7.48			
	5.0	20.3	3.08	7.51			
	7.5	20.1	3.04	7.48			
	7.5	: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: 3/22/2010

PROJECT NO. _____ SAMPLER: M Stewart/A Taylor

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: 96.09 Feet
HEIGHT OF WATER COLUMN: 7.11 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: 3/22/2010

PROJECT NO. _____ SAMPLER: M Stewart/A Taylor

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: 91.95 Feet
HEIGHT OF WATER COLUMN: 8.45 Feet
WELL DIAMETER: 2.0 Inch

4.1 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	21.5	2.24	7.38			
	4.0	20.3	2.37	7.68			
	6.0	20.2	2.27	7.65			
	6.0	:Total Vol (gal)					

SAMPLE NO.: MW-7

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

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

SITE NAME: C Line DATE: 3/22/2010

PROJECT NO. _____ SAMPLER: M Stewart/A Taylor

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: 90.31 Feet
HEIGHT OF WATER COLUMN: 10.19 Feet
WELL DIAMETER: 2.0 Inch

5.0 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
	2	20.4	2.70	7.61			
	4	20.4	2.70	7.59			
	6	20.1	2.70	7.57			
	6.0	:Total Vol (gal)					

SAMPLE NO.: MW-8

ANALYSES: BTEX (8260)

COMMENTS: MS / MSD sample collected

WELL SAMPLING DATA FORM

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

SITE NAME: C Line DATE: 3/22/2010

PROJECT NO. _____ SAMPLER: M Stewart/A Taylor

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: 89.88 Feet
HEIGHT OF WATER COLUMN: 10.62 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. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.2	20.4	2.92	7.63			
	4.4	19.8	2.95	7.52			
	6.6	19.6	2.94	7.53			
	6.6	:Total Vol (gal)					

SAMPLE NO.: MW-9

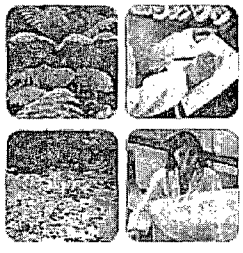
ANALYSES: BTEX (8260)

COMMENTS: _____

Gulf Coast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/14/10



Technical Report for

DCP Midstream, LLC

AECCOLI: DCP Midstream C Line Site

Accutest Job Number: T49813

Sampling Date: 03/22/10

Report to:

American Environmental Consulting

mstewart@aecdenver.com

ATTN: Mike Stewart

Total number of pages in report: 25

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 (T104704220-09C-TX) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004) OK (9103) UT(7132714700)

Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

-1-

Sample Summary

DCP Midstream, LLC

Job No: T49813

AECCOLI: DCP Midstream C Line Site

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T49813-1	03/22/10	13:05	MS	03/25/10	AQ	Ground Water	MW-7
T49813-2	03/22/10	13:10	MS	03/25/10	AQ	Ground Water	MW-3
T49813-3	03/22/10	13:50	MS	03/25/10	AQ	Ground Water	MW-8
T49813-3D	03/22/10	13:50	MS	03/25/10	AQ	Water Dup/MSD	MW-8 MSD
T49813-3S	03/22/10	13:50	MS	03/25/10	AQ	Water Matrix Spike	MW-8 MS
T49813-4	03/22/10	13:55	MS	03/25/10	AQ	Ground Water	MW-9
T49813-5	03/22/10	14:40	MS	03/25/10	AQ	Ground Water	MW-5
T49813-6	03/22/10	14:48	MS	03/25/10	AQ	Ground Water	MW-4
T49813-7	03/22/10	15:30	MS	03/25/10	AQ	Ground Water	MW-2
T49813-8	03/22/10	15:30	MS	03/25/10	AQ	Ground Water	MW-1
T49813-9	03/22/10	00:00	MS	03/25/10	AQ	Trip Blank Water	TRIP BLANK
T49813-10	03/22/10	00:00	MS	03/25/10	AQ	Ground Water	DUP

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	T49813-1	Date Sampled:	03/22/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream C Line Site		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007780.D	1	03/31/10	RR	n/a	n/a	VC362
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	103%		75-121%
2037-26-5	Toluene-D8	96%		87-119%
460-00-4	4-Bromofluorobenzene	88%		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

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	T49813-2	Date Sampled:	03/22/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream C Line Site		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007781.D	50	03/31/10	RR	n/a	n/a	VC362
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	2.80	0.10	0.025	mg/l	
108-88-3	Toluene	1.61	0.10	0.022	mg/l	
100-41-4	Ethylbenzene	0.218	0.10	0.027	mg/l	
1330-20-7	Xylene (total)	0.516	0.30	0.084	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	98%		75-121%
2037-26-5	Toluene-D8	98%		87-119%
460-00-4	4-Bromofluorobenzene	88%		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

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	T49813-3	Date Sampled:	03/22/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream C Line Site		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007782.D	1	03/31/10	RR	n/a	n/a	VC362
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	101%		79-122%
17060-07-0	1,2-Dichloroethane-D4	105%		75-121%
2037-26-5	Toluene-D8	93%		87-119%
460-00-4	4-Bromofluorobenzene	83%		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

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	T49813-4	Date Sampled:	03/22/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream C Line Site		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007786.D	1	03/31/10	RR	n/a	n/a	VC362
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	95%		87-119%
460-00-4	4-Bromofluorobenzene	82%		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

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	T49813-5	Date Sampled:	03/22/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream C Line Site		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007787.D	1	03/31/10	RR	n/a	n/a	VC362
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	0.0037	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	0.0076	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	97%		75-121%
2037-26-5	Toluene-D8	96%		87-119%
460-00-4	4-Bromofluorobenzene	83%		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

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	T49813-6	Date Sampled:	03/22/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream C Line Site		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007788.D	1	03/31/10	RR	n/a	n/a	VC362
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	0.0129	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.0255	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	0.0107	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	0.0574	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	103%		75-121%
2037-26-5	Toluene-D8	104%		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

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	T49813-7	Date Sampled:	03/22/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream C Line Site		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007789.D	1	03/31/10	RR	n/a	n/a	VC362
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	95%		79-122%
17060-07-0	1,2-Dichloroethane-D4	102%		75-121%
2037-26-5	Toluene-D8	99%		87-119%
460-00-4	4-Bromofluorobenzene	84%		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

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	T49813-8	Date Sampled:	03/22/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream C Line Site		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007790.D	10	04/01/10	RR	n/a	n/a	VC362
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	0.276	0.020	0.0050	mg/l	
108-88-3	Toluene	0.0160	0.020	0.0043	mg/l	J
100-41-4	Ethylbenzene	0.0147	0.020	0.0055	mg/l	J
1330-20-7	Xylene (total)	0.0557	0.060	0.017	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		79-122%
17060-07-0	1,2-Dichloroethane-D4	100%		75-121%
2037-26-5	Toluene-D8	101%		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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T49813-9	Date Sampled:	03/22/10
Matrix:	AQ - Trip Blank Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream C Line Site		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007779.D	1	03/31/10	RR	n/a	n/a	VC362
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	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	98%		75-121%
2037-26-5	Toluene-D8	95%		87-119%
460-00-4	4-Bromofluorobenzene	83%		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

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	T49813-10	Date Sampled:	03/22/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream C Line Site		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007808.D	100	04/01/10	RR	n/a	n/a	VC363
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	2.43	0.20	0.050	mg/l	
108-88-3	Toluene	1.34	0.20	0.043	mg/l	
100-41-4	Ethylbenzene	0.218	0.20	0.055	mg/l	
1330-20-7	Xylene (total)	0.567	0.60	0.17	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		79-122%
17060-07-0	1,2-Dichloroethane-D4	102%		75-121%
2037-26-5	Toluene-D8	93%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

27710 T49813

Accutest JOB # T49813 PAGE ____ OF ____

Accutest Quote # | SKIFF#

Client / Reporting Information	Project Information	Analytical Information	Matrix Codes
Company Name DCP Midstream	Project Name: C-Line		DW - Drinking Water
Address 370 17th Street ste 2500	Street		GW - Ground Water
City Denver State CO Zip 80202	City State		WW - Water
Project Contact S. Weathers E-mail sweathers@dcpmidstream.com	Project #		SW - Surface Water
Phone# 303 605 1718	Fax #		SO - Soil
Sampler(s) Name(s) (Printed) M. Stewart / A. Taylor	Client Purchase Order #		SL - Sludge
			OI - Oil
			LIQ - Other Liquid
			AIR - Air
			SOL - Other Solid
			WP - Wipe

Accutest Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	CONTAINER INFORMATION: OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	8TEX	LAB USE ONLY
1	MW-7	3/22	1305	AEC	GW	3			X							X	
2	MW-3		1310						X							X	
3	MW-8		1350						X							X	
4	MW-9		1355						X							X	
5	MW-5		1440						X							X	
6	MW-4		1448						X							X	
7	MW-2		1530						X							X	
8	MW-1		1530	↓	↓	↓			X							X	
9	Trip Blank		Lab	X	GC	2										X	
3	MS MW-8		1350	AEC	GW	3			X	X						X	
3	MSD MW-8		1350			3			X	X						X	
10	Dup	↓	—	↓	↓	3			X	X						X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- ☐ 10 Days Standard
- ☐ 7 Day RUSH
- ☐ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ OTHER

Emergency & Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- ☐ COMMERCIAL "A" (RESULTS ONLY)
- ☐ COMMERCIAL "B" (RESULTS PLUS QC)
- ☐ REDT1 (EPA LEVEL 3)
- ☐ FULT1 (EPA LEVEL 4)
- ☐ EDD'S

Comments / Remarks

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

Relinquished by Sampler: 1	Date/Time: 3/23/10 1600	Received By: 2	Relinquished by: 3 FedEx	Date Time: 3/23/10 0930	Received By: 4
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.0

T49813: Chain of Custody
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SAMPLE INSPECTION FORM

Accutest Job Number: T49813 Client: DCP Midstream Date/Time Received: 03/25/10 0920

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

Cooler Temps: #1: 2.0 #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] 03/25/10

INFORMATION AND SAMPLE LABELING VERIFIED BY: [signature] 3/25/10

CORRECTIVE ACTIONS

Client Representative Notified: _____ Date: _____

By Accutest Representative: _____ Via: Phone Email

Client Instructions:

SAMPLE RECEIPT LOG

JOB #: T49813 DATE/TIME RECEIVED: 03/25/10 0920

CLIENT: DCP Midstream INITIALS: FF

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH
1	1	MW-7	3/22/10 1305	W	P 40ml	1-3	VR	1 ② 3 4 5 6 7 8	<2 >12
↓	2	MW-3	1310	↓	↓	1-3	VR	1 ② 3 4 5 6 7 8	<2 >12
	3	MW-8	1350			1-3	↓	1 ② 3 4 5 6 7 8	<2 >12
		MS	↓			4-6		1 ② 3 4 5 6 7 8	<2 >12
		MSD				7-9		1 ② 3 4 5 6 7 8	<2 >12
	4	MW-9	1355			1-3		1 ② 3 4 5 6 7 8	<2 >12
	5	MW-5	1440			↓		1 ② 3 4 5 6 7 8	<2 >12
	6	MW-4	1448					1 ② 3 4 5 6 7 8	<2 >12
	7	MW-2	1530					1 ② 3 4 5 6 7 8	<2 >12
	8	MW-1	1510					1 ② 3 4 5 6 7 8	<2 >12
	9	Trip Blank	—			1-2		1 ② 3 4 5 6 7 8	<2 >12
↓	10	Dup	↓ —	↓	↓	1-3	↓	1 ② 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
				FF	03/25/10			1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								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

Rev 8/13/01 ewp

T49813: 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: T49813
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream C Line Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC362-MB	C0007776.D	1	03/31/10	RR	n/a	n/a	VC362

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

T49813-1, T49813-2, T49813-3, T49813-4, T49813-5, T49813-6, T49813-7, T49813-8, T49813-9

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	100%	75-121%
2037-26-5	Toluene-D8	95%	87-119%
460-00-4	4-Bromofluorobenzene	91%	80-133%

Method Blank Summary

Job Number: T49813
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream C Line Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC363-MB	C0007804.D	1	04/01/10	RR	n/a	n/a	VC363

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

T49813-10

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	97%	79-122%
17060-07-0	1,2-Dichloroethane-D4	99%	75-121%
2037-26-5	Toluene-D8	95%	87-119%
460-00-4	4-Bromofluorobenzene	85%	80-133%

Blank Spike Summary

Job Number: T49813
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream C Line Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC362-BS	C0007774.D	1	03/31/10	RR	n/a	n/a	VC362

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

T49813-1, T49813-2, T49813-3, T49813-4, T49813-5, T49813-6, T49813-7, T49813-8, T49813-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.9	100	76-118
100-41-4	Ethylbenzene	25	24.4	98	75-112
108-88-3	Toluene	25	25.4	102	77-114
1330-20-7	Xylene (total)	75	71.2	95	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	99%	87-119%
460-00-4	4-Bromofluorobenzene	89%	80-133%

Blank Spike Summary

Job Number: T49813
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream C Line Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC363-BS	C0007802.D	1	04/01/10	RR	n/a	n/a	VC363

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

T49813-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.3	97	76-118
100-41-4	Ethylbenzene	25	23.6	94	75-112
108-88-3	Toluene	25	25.3	101	77-114
1330-20-7	Xylene (total)	75	68.6	91	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	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	93%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T49813
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream C Line Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T49813-3MS	C0007783.D	1	03/31/10	RR	n/a	n/a	VC362
T49813-3MSD	C0007784.D	1	03/31/10	RR	n/a	n/a	VC362
T49813-3	C0007782.D	1	03/31/10	RR	n/a	n/a	VC362

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

T49813-1, T49813-2, T49813-3, T49813-4, T49813-5, T49813-6, T49813-7, T49813-8, T49813-9

CAS No.	Compound	T49813-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	27.5	110	25.5	102	8	76-118/16
100-41-4	Ethylbenzene	ND		25	24.5	98	24.3	97	1	75-112/12
108-88-3	Toluene	ND		25	26.4	106	25.1	100	5	77-114/12
1330-20-7	Xylene (total)	ND		75	70.9	95	69.8	93	2	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T49813-3	Limits
1868-53-7	Dibromofluoromethane	95%	93%	101%	79-122%
17060-07-0	1,2-Dichloroethane-D4	101%	98%	105%	75-121%
2037-26-5	Toluene-D8	101%	98%	93%	87-119%
460-00-4	4-Bromofluorobenzene	84%	85%	83%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T49813
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream C Line Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T49814-3MS	C0007810.D	1	04/01/10	RR	n/a	n/a	VC363
T49814-3MSD	C0007811.D	1	04/01/10	RR	n/a	n/a	VC363
T49814-3	C0007809.D	1	04/01/10	RR	n/a	n/a	VC363

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

T49813-10

CAS No.	Compound	T49814-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	27.6	110	26.0	104	6	76-118/16
100-41-4	Ethylbenzene	ND		25	25.2	101	24.8	99	2	75-112/12
108-88-3	Toluene	ND		25	26.2	105	26.2	105	0	77-114/12
1330-20-7	Xylene (total)	ND		75	72.2	96	72.6	97	1	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T49814-3	Limits
1868-53-7	Dibromofluoromethane	95%	96%	102%	79-122%
17060-07-0	1,2-Dichloroethane-D4	100%	100%	103%	75-121%
2037-26-5	Toluene-D8	98%	99%	94%	87-119%
460-00-4	4-Bromofluorobenzene	82%	84%	82%	80-133%