1RP-156

1st Semi-ANNUAL REPORT

DATE: 2009

370 17th Street, Suite 2500
Denver, Colorado 80202
303-605-1893 – main
303-605-1957 – fax

June 2, 2009

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

RE: 1st 2009 Semi Annual Groundwater Monitoring Report
DCP Monument Booster Station (1RP-156-0)
Unit B Section 33, Township 19 South, Range 37 East

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review one copy of the 1st 2009 Semi Annual Groundwater Monitoring Report for the DCP Monument Booster Station located in Lea County, New Mexico (Unit B Section 33, Township 19 South, Range 37 East).

Groundwater monitoring activities were completed on March 10, 2009. The data indicate that the groundwater conditions remain stable. The next semi-annual monitoring event is scheduled for the end of the 2nd quarter 2009.

If you have any questions regarding the report, please call at 303-605-1695 or e-mail me CECole@dcpmidstream.com .

Sincerely,

DCP Midstream, LP

Chandler E Cole.
Senior Environmental Specialist

Enclosure

cc: Larry Johnson – OCD District Office, Hobbs
Environmental Files

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC

May 26, 2009

Mr. Chandler Cole
DCP Midstream, LP
370 Seventeenth Street, Suite 2500
Denver, Colorado 80202

Subject: Summary of the First 2009 Semi Annual Groundwater Monitoring Event at the Monument Booster Station, Lea County, New Mexico (**1RP-156-0**) **Unit B, Section 33, Township 19 South, Range 37 East**

Dear Chandler:

This letter summarizes the activities completed and data generated during the first 2009 semiannual groundwater sampling event that was completed March 10, 2009 at the DCP Midstream, LP Monument Booster Station in Lea County New Mexico. The activities completed during this semiannual monitoring event included the measurement of fluid levels and the sampling of all wells that could be safely accessed and did not contain measurable free phase hydrocarbons (FPH).

The facility is located in New Mexico Oil Conservation Division (OCD) designated Unit B, Section 33, Township 19 South, Range 37 East (Figure 1). The coordinates are 32.6238 degrees north 103.2550 degrees west. This active facility is used for gas compression as well as other activities. DCP owns additional property to the south and east of the facility boundaries (Figure 2).

The eight monitoring well locations are shown on Figure 2. Construction information is included in Table 1.

A characterization program that was completed prior to AEC assuming the project identified and delineated low-permeability red beds on the eastern boundary of the property (Figure 2). This material restricts groundwater flow and prevents dissolved constituents from migrating down gradient from the eastern site boundary.

Depths to groundwater and, if present, free phase hydrocarbons (FPH) were measured at each well prior to purging. Wells MW-1 and MW-5 contained FPH so they were not sampled. Well MW-6 could not be gauged or sampled because a strong north wind was blowing a large flare flame directly toward the well.

Five wells were purged and sampled using the standard protocols for this site. The wells were purged using dedicated bailers until a minimum of three casing volumes of water were removed and the field parameters temperature, pH and conductivity had stabilized. The well purging forms are attached. The affected purge water was disposed of at the DCP Linam Ranch facility.

Unfiltered samples were collected following purging using the same dedicated bailers. All samples were placed in an ice-filled chest immediately upon collection and delivered to the analytical laboratory using standard chain-of-custody protocols. The samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method SW846 8260.

The corrected groundwater elevations are shown on Table 2. Hydrographs for select wells throughout the study area are included in Figure 3. These hydrographs show that the water table declined in all of wells at a uniform rate. Overall, the water table now approximates the pre-fall 2003 levels when increased precipitation substantially raised the groundwater elevation.

The FPH thickness measurements over the duration of the project are summarized in Table 3. The FPH thickness increased in MW-1 and in MW-5 since the last measurement in September 2007. The FPH thickness values over time in MW-1 and MW-5 are graphed on Figure 4.

A water-table contour map generated by the program Surfer with the kriging option is included as Figure 5. The groundwater flow maintained its historic direction toward the south-southeast. This flow direction mimics the surface water runoff pattern and remains unchanged from prior measurement episodes. The groundwater flow direction is also parallel to the permeability discontinuity associated with the redbeds.

The analytical results for the March 2009 semiannual event are summarized in Table 4. The laboratory report is attached. The quality control evaluation can be summarized as follows:

- The cooler temperature was 0.8 degrees C upon receipt;
- All samples analyzed within required holding time;
- All surrogates within their acceptable ranges;
- The method blank and blank spike results were acceptable;
- The BTEX constituents were not detected in the trip blank; and
- The matrix spike and matrix spike duplicate samples from MW-7 were acceptable

The March 2009 benzene distribution is plotted on Figure 6. Benzene, as well as toluene, ethylbenzene and xylenes, were not detected in down-gradient boundary wells MW-3 and MW-4. BTEX was also not detected in up-gradient well MW-2 or in MW-1D that taps the same approximate saturated interval immediately adjacent to MW-1.

The historical values are summarized for benzene in Table 5, toluene in Table 6, ethylbenzene in Table 7 and xylenes in Table 8. The historic BTEX concentrations for MW-7 are plotted on Figure 7. MW-7 is directly down-gradient from well MW-1 that contains FPH.

Examination of Figure 7 indicates that the benzene, ethylbenzene and xylenes concentrations decreased substantially between September 2008 and March 2009 while toluene remained undetected at a method reporting limit of 0.002 mg/l. The concentrations of benzene, ethylbenzene and xylenes have all decreased by more than an order of magnitude since September 2007.

The above results, particularly the lack of detects in the down-gradient wells, indicates that the plume is not expanding. The sharp concentration declines in MW-7 over the past 18 months are generally indicative of plume contraction. Finally, the land owned by DCP that is down-gradient from the facility provides an additional unimpacted down-gradient buffer from the facility boundary to the property boundary (Figure 6).

The next semi-annual groundwater-monitoring episode is scheduled for the second half of 2009. Do not hesitate to contact me if you have any questions or comments on this report or any other aspects of the project.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart, PE
Principal Engineer

MHS/tbm

attachment

TABLES

Table 1 – Monument Booster Well Construction Summary

Well	Well Elevation (Top of Casing) (feet)	Installation Date	Well Depth (TOC) (feet)	Well Diameter (inches)
MW-1	3,591.15	2/94	37.00	4
MW-1D	3,591.31	5/05	36.25	2
MW-2	3,596.30	2/94	43.25	4
MW-3	3,583.86	5/05	35.65	4
MW-4	3,588.77	5/05	38.95	4
MW-5	3,592.16	5/05	37.00	4
MW-6	3,587.93	11/05	38.45	4
MW-7	3,589.40	11/05	38.45	4

Units are feet

Table 2 – Monument Booster Summary of Water Table Elevations

Well	5/16/95	11/21/95	1/18/96	4/24/96	1/22/97	8/11/97	1/23/98	8/3/98	2/10/99	8/17/99	2/17/00	8/23/00	2/8/01	7/30/01	2/13/02	9/27/02	4/25/03
MW-1	3565.17	3565.65	3565.32	3565.47	3565.27	3565.14	3565.59	3564.84	3565.67	3565.75	3565.53	3565.49	3565.34	3564.97	3565.03	3564.95	3565.36
MW-1D	3565.27	3565.77	3565.42	3565.61	3565.46	3565.28	3565.65	3564.96	3565.77	3565.81	3565.59	3565.55	3565.55	3565.07	3565.46	3564.99	3565.46
MW-2	3567.02	3567.21	3567.15	3567.20	3567.15	3566.92	3567.32	3566.76	3567.37	3567.24	3567.23	3567.08	3567.18	3566.78	3567.29	3566.81	3567.14
MW-3	3561.14	3561.74	3561.61	3561.61	3560.84	3560.68	3560.49	3560.37	3560.29	3560.73	3560.53	3560.83	3560.85	3560.61	3560.22	3560.09	3560.37
MW-4	3562.32	3562.98	3562.87	3562.79	3562.27	3562.00	3562.23	3562.00	3562.09	3562.63	3562.27	3562.58	3562.54	3562.27	3562.01	3561.87	3562.13
MW-5	3564.06	3564.54	3564.33	3564.40	3564.18	3564.10	3564.30	3563.80	3564.30	3564.55	3564.21	3564.21	3564.25	3563.94	3564.15	3563.88	3564.21
MW-6		3563.22	3563.82	3562.99	3562.49	3562.29	3562.68	3562.20	3562.57	3563.28	3562.69	3563.15	3562.99	3562.57	3562.45	3562.19	3562.54
MW-7		3564.24	3563.92	3564.07	3563.84	3563.67	3564.02	3563.39	3564.08	3564.21	3563.97	3563.98	3563.97	3563.55	3563.82	3563.45	3563.84

Well	9/18/03	3/16/04	8/17/04	3/4/05	9/21/05	3/16/06	9/20/06	3/22/07	9/25/07	3/20/08	09/17/08	3/10/09
MW-1	3564.59	3566.65	3565.51	3566.92	3566.08	3565.81	3567.01	3565.95	3566.10	NM	NM	3564.30
MW-1D	3564.74	3566.71	3565.60	3566.92	3566.79	3565.98	3567.35	3566.16	3566.34	3565.23	3565.15	3564.60
MW-2	3566.71	3567.75	3567.13	3567.63	3567.44	3567.51	3567.79	3567.58	3567.46	3567.02	3567.02	3566.75
MW-3	3559.92	3560.52	3561.33	3564.34	3563.24	3562.55	3563.71	3563.22	3562.66	3562.06	3561.47	3561.04
MW-4	3561.72	3562.36	3562.87	3565.42	3564.11	3563.47	3564.65	3564.02	3563.44	3562.89	3562.60	3562.21
MW-5	3563.58	3564.76	3564.47	3566.23	3565.23	3564.68	3566.20	3564.53	3565.26	NM	NM	3563.51
MW-6	3561.98	3562.81	3563.14	3566.08	3564.38	3563.53	3565.92	3564.82	3563.63	NM	3562.60	NM
MW-7	3563.22	3564.92	3564.11	3565.51	3564.83	3564.44	3565.94	3564.72	3564.85	3563.75	3563.71	3563.24

Units are feet
Blank cells denote wells not installed
NM: Well installed but not measured

Table 3 - Summary of Free Phase Hydrocarbon Thickness in MW-1 and MW-5

Date	MW-1	MW-5		Date	MW-1	MW-5		Date	MW-1	MW-5
7/24/95	2.48			4/4/00	0.13	0.16		8/20/03	0.15	0.001
7/27/95	0.53			4/24/00	0.22	0.01		9/18/03	0	0.001
11/15/95	1.35	0.77		6/15/00	0.46	0.01		10/28/03	0	0.001
11/21/95	1.86	0.76		7/19/00	0.12	0.15		11/21/03	0.17	0.001
12/20/95	2.14	0.75		8/23/00	0.09	0.15		12/8/03	0.3	0.001
1/18/96	2.18	0.75		10/3/00	0.5	0.19		1/15/04	0.1	0.09
4/24/96	2.09	0.79		12/14/00	0.17	0.42		2/20/04	0	0.37
6/14/96	2.27	0.82		1/23/01	0.31	0.22		3/16/04	0	0.29
1/27/97	2.21	0.59		2/9/01	0.62	0.01		4/29/04	0.71	0.75
8/11/97	0.02	0.09		4/4/01	0.11	0.16		5/26/04	0.38	0.45
8/9/97	0.03	0.08		5/16/01	0.36	0.08		8/17/04	0.01	0.03
9/18/97	0.04			6/19/01	0.83	0.01		3/4/05	1.41	0.17
10/22/97		0.04		7/20/01	0.57	0.001		9/21/05	0.6	0.31
11/25/97		0.09		9/10/01	0.22	0.001		3/16/06	0.37	0.39
12/9/97		0.22		10/9/01	0.13	0.001		9/20/06	1.6	0.55
1/23/98	0.08	0.04		11/8/01	0.19	0.001		3/22/07	0.55	0.44
2/24/98	0.03	0.33		12/11/01	0.24	0.01		9/25/07	0.83	0.20
3/23/98	0	0.38		1/18/02	0.12	0.2		3/10/09	1.87	0.75
6/23/98	0.03	0.58		2/13/02	0.69	0.01				
8/3/98	0.01	0.53		3/14/02	0.14	0.001				
9/18/98	0.09	0.36		4/10/02	0.08	0.001				
10/28/98	0.07	0.31		5/14/02	0.22	0.01				
11/17/98	0.03	0.27		6/18/02	0.69	0.01				
2/10/99	0.09	0.76		7/12/02	0.37	0.001				
3/24/99	0.27	1.2		8/14/02	0.75	0.02				
4/20/99	0.49	1.64		9/24/02	0.69	0.001				
5/13/99	0.02	0.19		10/24/02	0.27	0.001				
6/14/99	0.02	0.32		11/22/02	0.08	0.001				
8/4/99	0.03	0.51		12/17/02	0.08	0.02				
8/17/99	0.01	0.39		1/15/03	0.05	0.05				
9/14/99	0.04	0.37		2/18/03	0.11	0.1				
10/26/99	0.22	0.53		3/28/03	0.6	0.09				
11/22/99	0.24	0.37		4/23/03	0.09	0.001				
12/20/99	0.01	0.32		5/29/03	0.66	0.06				
1/26/00	0.06	0.28		6/23/03	0.41	0.001				
2/17/00	0.08	0.1		7/30/03	0.31	0.001				

Notes: Units in feet, some data compiled from historical reports generated by others

Table 4 – Monument Booster March 2009 Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Xylenes
NMWQCC	0.01	0.75	0.75	0.62
MW-1D	<0.002	<0.002	<0.002	<0.006
MW-1D (Dup)	<0.002	<0.002	<0.002	<0.006
MW-2	<0.002	<0.002	<0.002	<0.006
MW-3	<0.002	<0.002	<0.002	<0.006
MW-4	<0.002	<0.002	<0.002	<0.006
MW-7	**0.0339**	<0.002	0.0177	0.0052 J
Trip Blank	<0.002	<0.002	<0.002	<0.006

All units mg/l
NMWQCC: New Mexico Water Quality Control Commission groundwater standards.
All constituents that exceed the above standards are highlighted as bold text

Table 5 - Monument Booster Summary of Historical Results for Benzene

Sample Date	MW-1d	MW-2	MW-3	MW-4	MW-6	MW-7
05/16/95	0.018	<0.001	<0.001	<0.001		
11/15/95	0.003		<0.001		0.003	0.465
01/18/96	0.004	<0.001	<0.001	0.003	0.002	1.13
04/24/96	<0.001	<0.001	<0.001	<0.002	<0.001	0.585
01/22/97	0.001	<0.001	<0.001	0.002	0.001	0.896
08/11/97	<0.001	<0.001	<0.001	0.001	<0.001	0.317
01/23/98	<0.001	<0.001	<0.001	<0.001	<0.001	0.876
08/03/98	<0.001	<0.001	0.007	<0.001	<0.001	0.094
02/10/99	<0.001	<0.001	<0.005	<0.001	<0.001	0.597
08/17/99	<0.001	0.017	0.043	<0.001	0.002	0.705
02/18/00	0.002	<0.001	0.021	<0.005	<0.001	0.573
08/23/00	<0.005	<0.001	0.006	<0.005	<0.001	0.546
02/09/01	<0.001	<0.001	0.004	0.002	<0.001	0.355
07/30/01	<0.001	<0.001	0.002	<0.001	<0.001	0.017
02/13/02	<0.001	<0.001	0.002		<0.001	0.228
09/27/02	<0.001	<0.001	<0.005		<0.005	0.015
04/25/03	<0.005	<0.001	<0.005	<0.001	<0.001	0.157
09/18/03	0.002	0.002	0.002	<0.001	0.002	0.018
03/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	0.125
08/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	0.237
03/04/05	<0.001	<0.001	<0.001	<0.001	0.0061	0.125/0.121
09/21/05	<0.001	<0.001	<0.001	<0.001	<0.001	0.15/0.148
03/16/06	<0.001	<0.001	<0.001	<0.001	<0.001	0.191
09/20/06	<0.001	<0.001	<0.001	<0.001	0.0391	0.236
03/22/07	<0.001	<0.001	<0.001	<0.001	<0.001	0.209/0.215
09/25/07	<0.001	<0.001	<0.001	<0.001	<0.001	0.465/0.458
03/20/08	<0.002	<0.002	<0.002	<0.002		0.161/0.169
09/17/08	<0.002	<0.002	<0.002	<0.002		0.083
03/10/09	<0.002/<0.002	<0.002	<0.002	<0.002		0.0339

All units mg/l

Blank cells note samples for wells that were either not install or not sampled

Table 6 - Monument Booster Summary of Historical Results for Toluene

Sample Date	MW-1D	MW-2	MW-3	MW-4	MW-6	MW-7
05/16/95	0.015	<0.001	<0.001	<0.001		
11/15/95	0.002	0.006	<0.001	0.006	0.001	0.205
01/18/96	0.003	<0.001	<0.001	<0.001	<0.001	0.476
04/24/96	<0.001	<0.001	<0.001	<0.002	<0.001	0.251
01/22/97	0.001	<0.001	<0.001	<0.001	<0.001	0.240
08/11/97	<0.001	<0.001	<0.001	<0.001	<0.001	0.155
01/23/98	<0.001	<0.001	<0.001	<0.001	<0.001	0.486
08/03/98	<0.001	<0.001	<0.001	<0.001	<0.001	0.064
02/10/99	<0.001	<0.001	<0.005	<0.001	<0.001	0.440
08/17/99	<0.001	0.002	<0.005	<0.001	<0.001	0.060
02/18/00	0.003	<0.001	<0.005	<0.005	0.004	0.490
08/23/00	<0.005	<0.001	<0.005	<0.005	0.004	0.484
02/08/01	<0.001	<0.001	0.001	<0.001	<0.001	0.424
07/30/01	<0.001	<0.001	<0.001	<0.001	<0.001	0.058
02/13/02	<0.001	<0.001	<0.001		<0.001	0.094
09/27/02	<0.001	<0.001	<0.005		<0.005	0.017
04/25/03	<0.005	<0.001	<0.005	<0.001	<0.001	0.192
09/18/03	<0.001	<0.001	<0.001	<0.001	<0.001	0.023
03/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	0.108
08/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	0.081
03/04/05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
09/21/05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03/16/06	<0.001	<0.001	<0.001	<0.001	<0.001	0.0032
09/20/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03/22/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05/<0.01
09/25/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01/<0.01
03/20/08	<0.002	<0.002	<0.002	<0.002		<0.002/<0.002
09/17/08	<0.002	<0.002	<0.002	<0.002		<0.002
03/10/09	<0.002/<0.002	<0.002	<0.002	<0.002		<0.002

All units mg/l

Blank cells note samples for wells that were either not install or not sampled

Table 7 - Monument Booster Summary of Historical Results for Ethylbenzene

Sample Date	MW-1D	MW-2	MW-3	MW-4	MW-6	MW-7
05/16/95	0.006	<0.001	<0.001	<0.001		
11/15/95	<0.001	0.002	<0.001	0.002	<0.001	<0.001
01/18/96	<0.001	<0.001	<0.001	<0.001	<0.001	0.003
04/24/96	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002
01/22/97	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
08/11/97	<0.001	<0.001	<0.001	<0.001	<0.001	0.020
01/23/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
08/03/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
02/10/99	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005
08/17/99	<0.001	0.013	<0.005	<0.001	<0.001	<0.005
02/18/00	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005
08/23/00	<0.005	<0.001	<0.005	<0.005	<0.001	0.006
02/09/01	<0.001	<0.001	0.002	<0.001	<0.001	<0.005
07/30/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
02/13/02	<0.001	<0.001	<0.001		<0.001	<0.005
09/27/02	<0.001	<0.001	<0.005		<0.005	<0.005
04/25/03	<0.005	<0.001	<0.005	<0.001	<0.001	<0.005
09/18/03	<0.001	<0.001	<0.001	<0.001	0.002	<0.001
03/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	<0.010
08/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	<0.020
03/04/05	<0.001	<0.001	<0.001	<0.001	0.0032	0.0467/0.0453
09/21/05	<0.001	<0.001	<0.001	<0.001	<0.001	0.0794/0.0789
03/16/06	<0.001	<0.001	<0.001	<0.001	<0.001	0.0733
09/20/06	<0.001	<0.001	<0.001	<0.001	0.0287	0.176
03/22/07	<0.001	<0.001	<0.001	<0.001	<0.001	0.149/0.121
09/25/07	<0.001	<0.001	<0.001	<0.001	<0.001	0.318/0.314
03/20/08	<0.002	<0.002	<0.002	<0.002		0.057/0.0637
09/17/08	<0.002	<0.002	<0.002	<0.002		0.0475
03/10/09	<0.002/<0.002	<0.002	<0.002	<0.002		0.0177

All units mg/l

Blank cells note samples for wells that were either not install or not sampled

Table 8 - Monument Booster Summary of Historical Results for Total Xylenes

Sample Date	MW-1D	MW-2	MW-3	MW-4	MW-6	MW-7
05/16/95	0.016	<0.001	<0.001	<0.001		
11/15/95	0.001	0.009*	<0.001	0.010*	0.003	0.163
01/18/96	0.009	<0.001	<0.001	<0.001	<0.001	0.365
04/24/96	<0.001	<0.001	<0.001	<0.002	<0.001	0.013
01/22/97	<0.001	<0.001	<0.001	<0.001	<0.001	0.330
08/11/97	<0.001	<0.001	<0.001	<0.001	0.001	0.049
01/23/98	<0.001	<0.001	<0.001	<0.001	<0.001	0.181
08/03/98	<0.001	<0.001	<0.001	<0.001	<0.001	0.007
02/10/99	<0.001	<0.001	<0.005	<0.001	0.014	0.120
08/17/99	<0.001	0.003	<0.005	0.001	0.012	0.556
02/17/00	0.001	<0.001	<0.005	<0.005	0.006	0.226
08/23/00	<0.005	<0.001	<0.005	<0.005	0.011	0.177
02/08/01	0.001	<0.001	0.005	0.002	0.011	0.052
07/30/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
02/13/02	<0.001	<0.001	<0.001		<0.001	0.050
09/27/02	<0.001	<0.001	<0.005		<0.005	<0.005
04/25/03	<0.005	<0.001	<0.005	<0.001	<0.001	0.020
09/18/03	<0.001	<0.001	<0.001	<0.001	0.001	0.004
03/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	0.033
08/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	<0.020
03/04/05	<0.001	<0.001	<0.001	<0.001	<0.001	0.0202
09/21/05	<0.001	<0.001	<0.001	<0.001	<0.001	0.0248
03/16/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
09/20/06	<0.001	<0.001	<0.001	0.0043	0.0194	0.187
03/22/07	<0.001	<0.001	<0.001	0.0036	0.0013	0.116/0.0532
09/25/07	<0.001	<0.001	<0.001	<0.001	<0.001	0.307/0.302
03/20/08	<0.006	<0.006	<0.006	<0.006		0.0295/0.0325
09/17/08	<0.002	<0.006	<0.006	<0.006		0.0204
03/10/09	<0.006/<0.006	<0.006	<0.006	<0.006		0.0052 J

All units mg/l

Blank cells note samples for wells that were either not install or not sampled

FIGURES

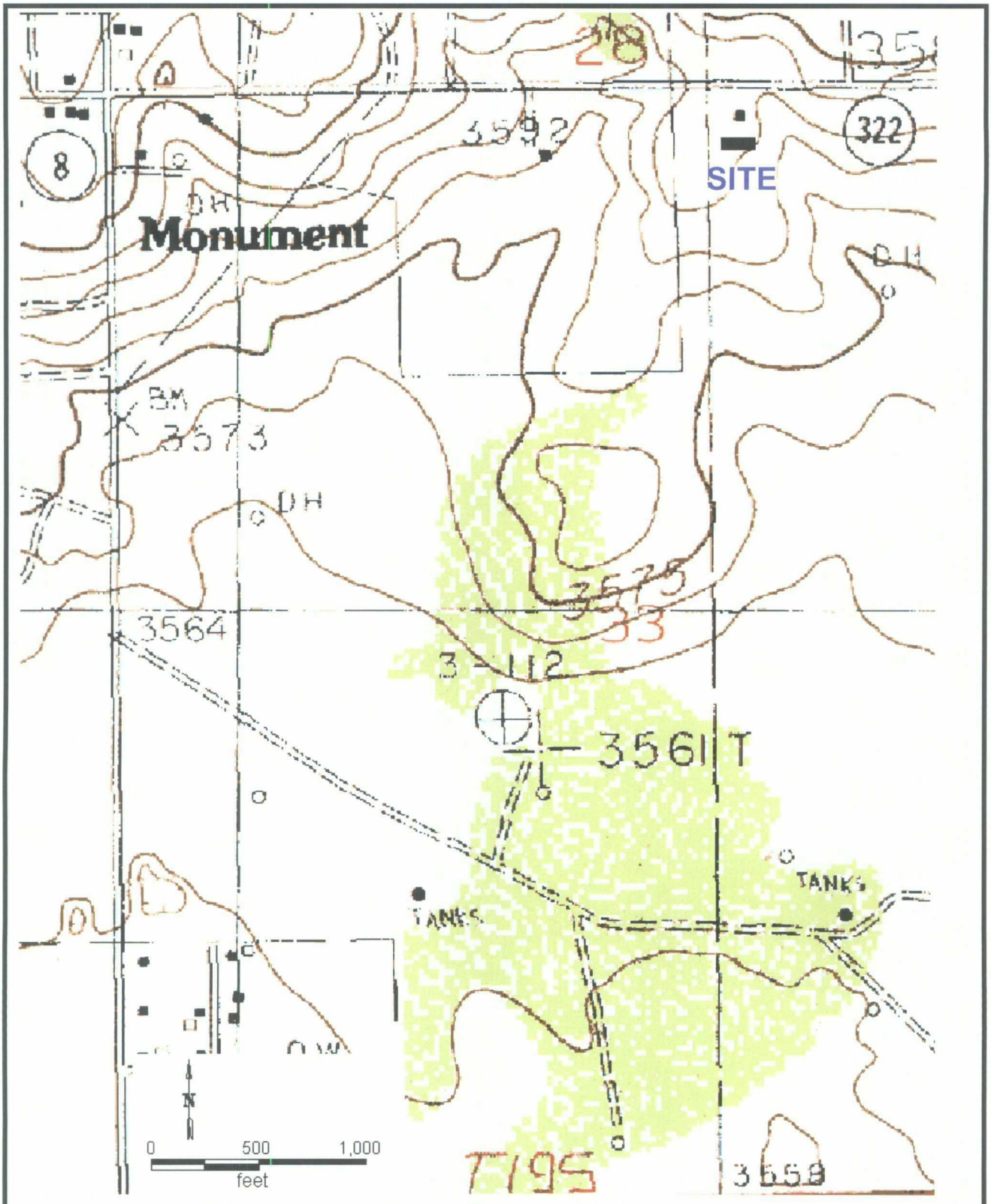


Figure 1 – Facility Location

Monument Booster Station Groundwater Monitoring

dcp Midstream

DRAWN BY:	MHS
REVISED:	
DATE:	1/07

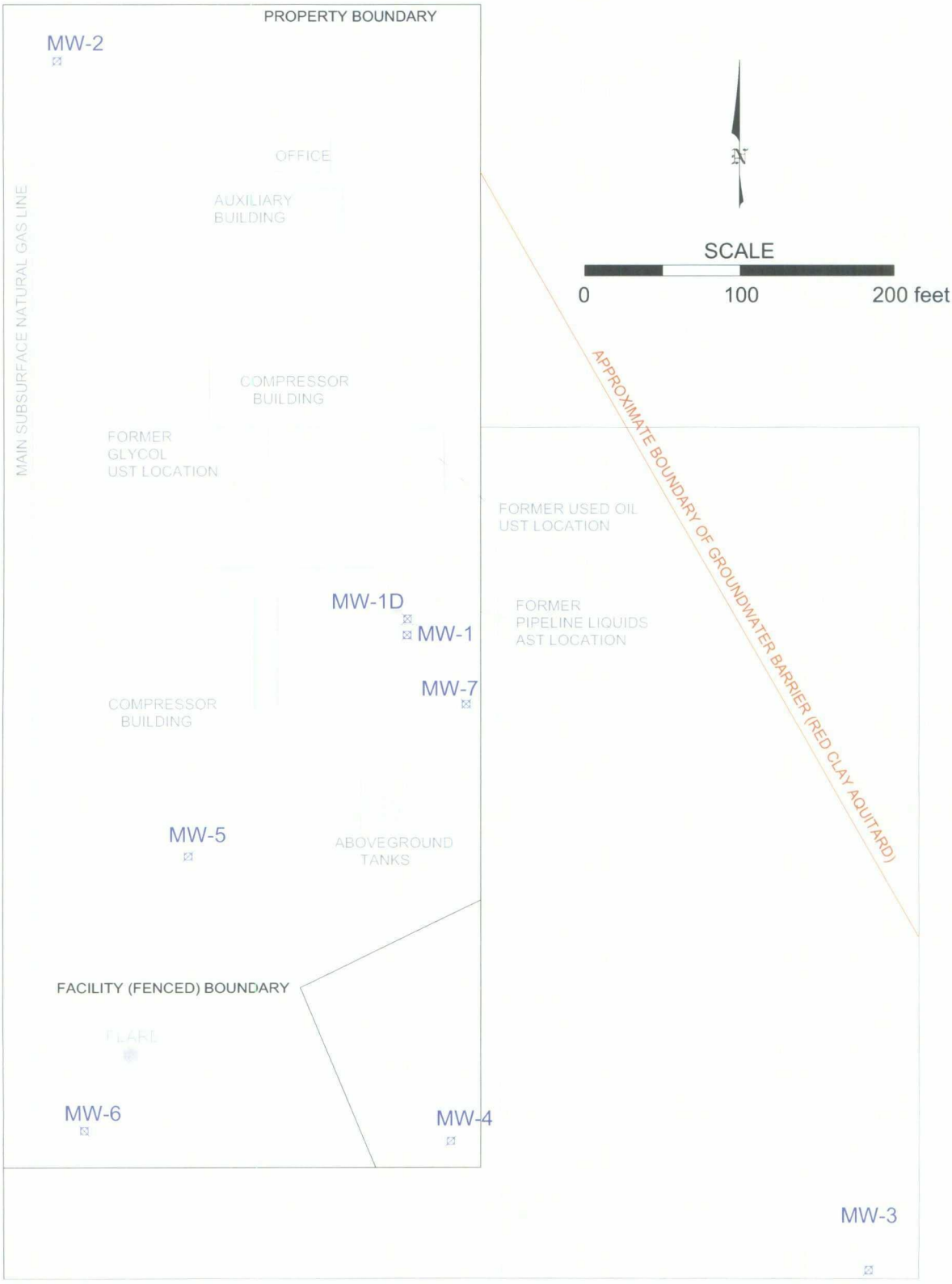


Figure 2 – Monitor Well Locations

Monument Booster Station Groundwater Monitoring

dcp Midstream

DRAWN BY:	MHS
REVISED:	4/09
DATE:	5/07

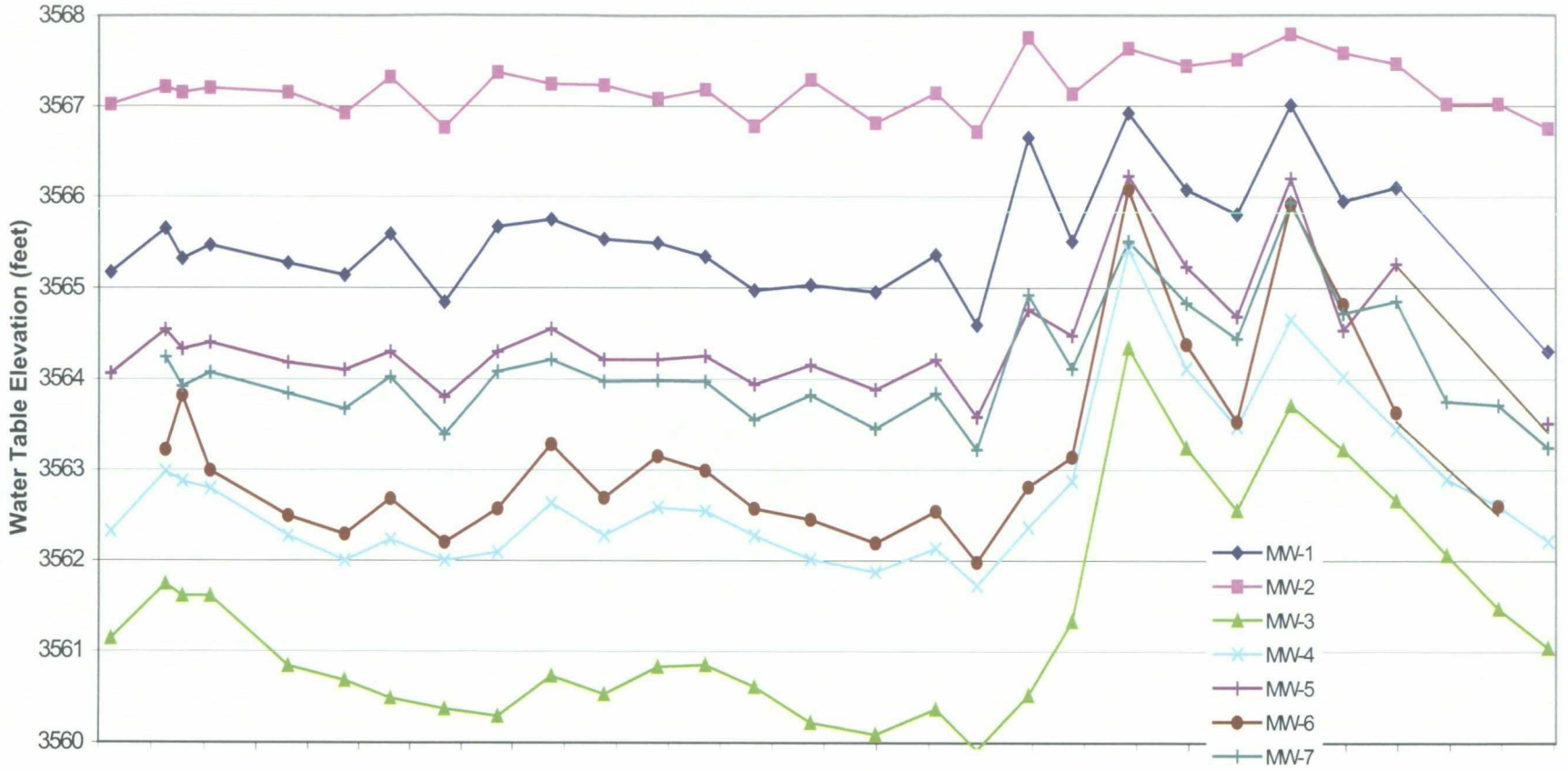


Figure 3 – Monument Booster Hydrographs

Monument Booster Station Groundwater Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 4/09

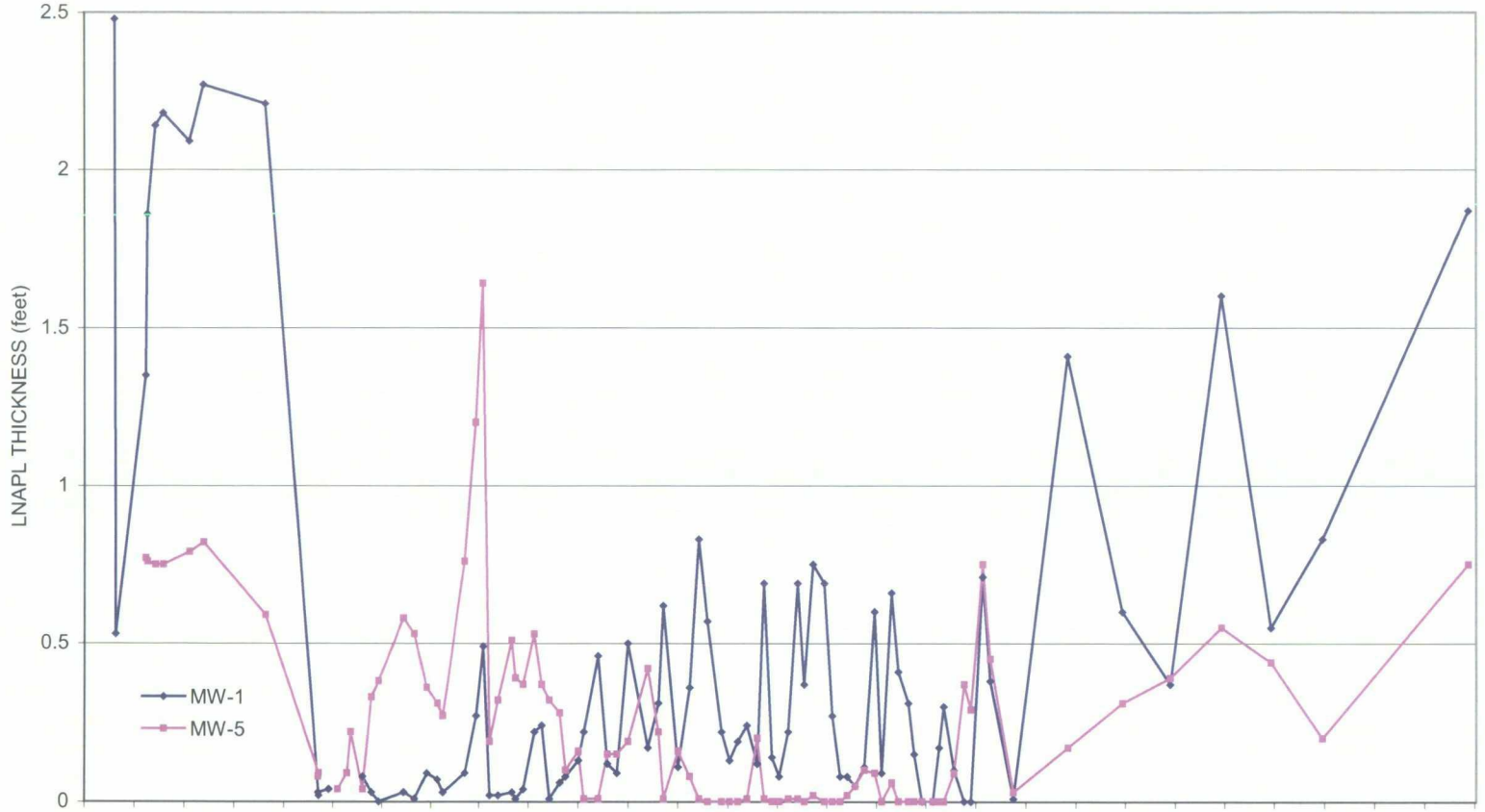


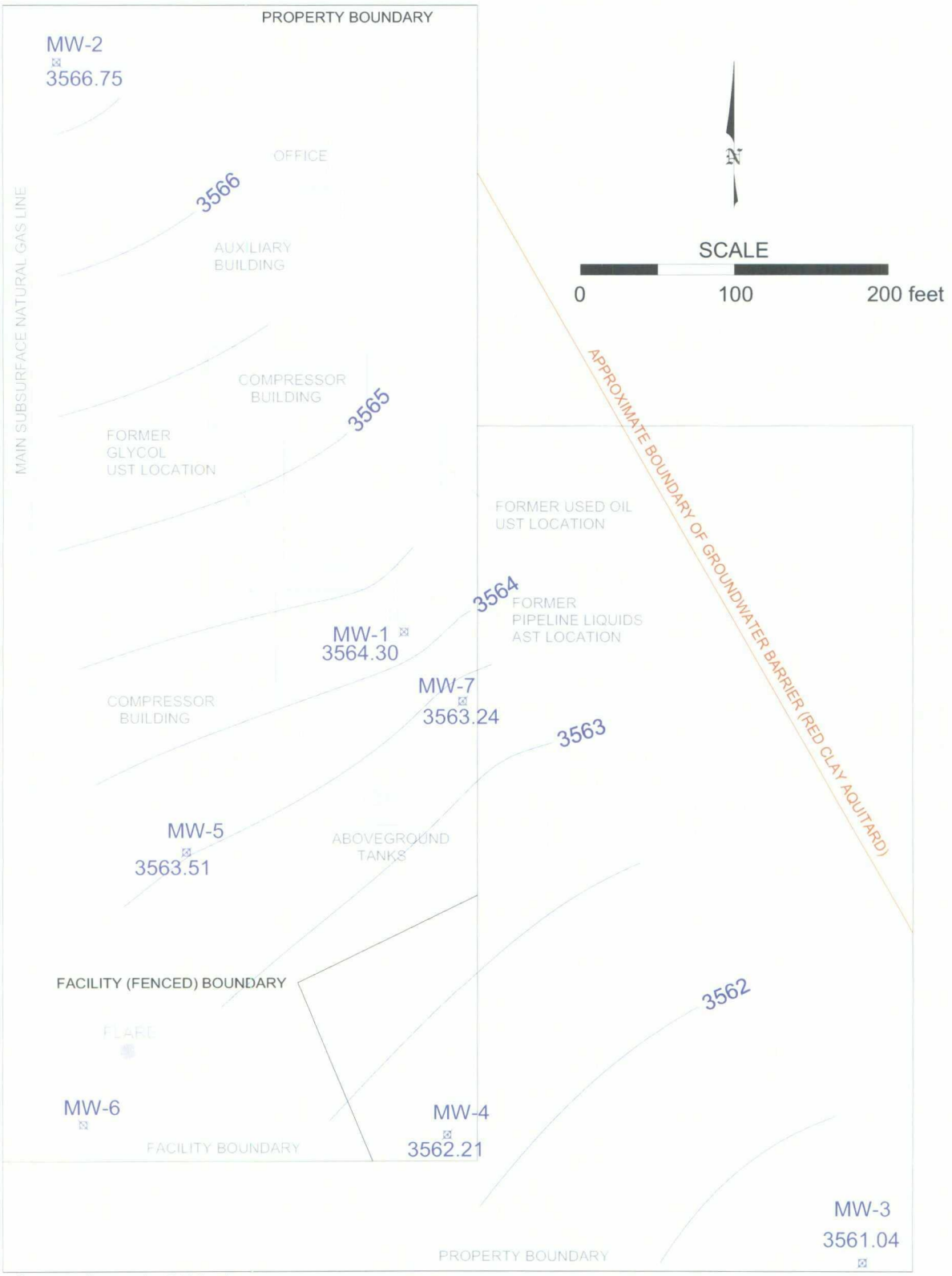
Figure 4 – Free Phase Hydrocarbon Thickness

Monument Booster Station Groundwater Monitoring

dcp Midstream.

DRAWN BY: MHS

DATE: 4/09



Contour interval: 0.5 feet

Figure 5 – March 2009 Water Table Elevation Contours

Monument Booster Station Groundwater Monitoring

dcp Midstream

DRAWN BY:	MHS
REVISED:	
DATE:	4/09

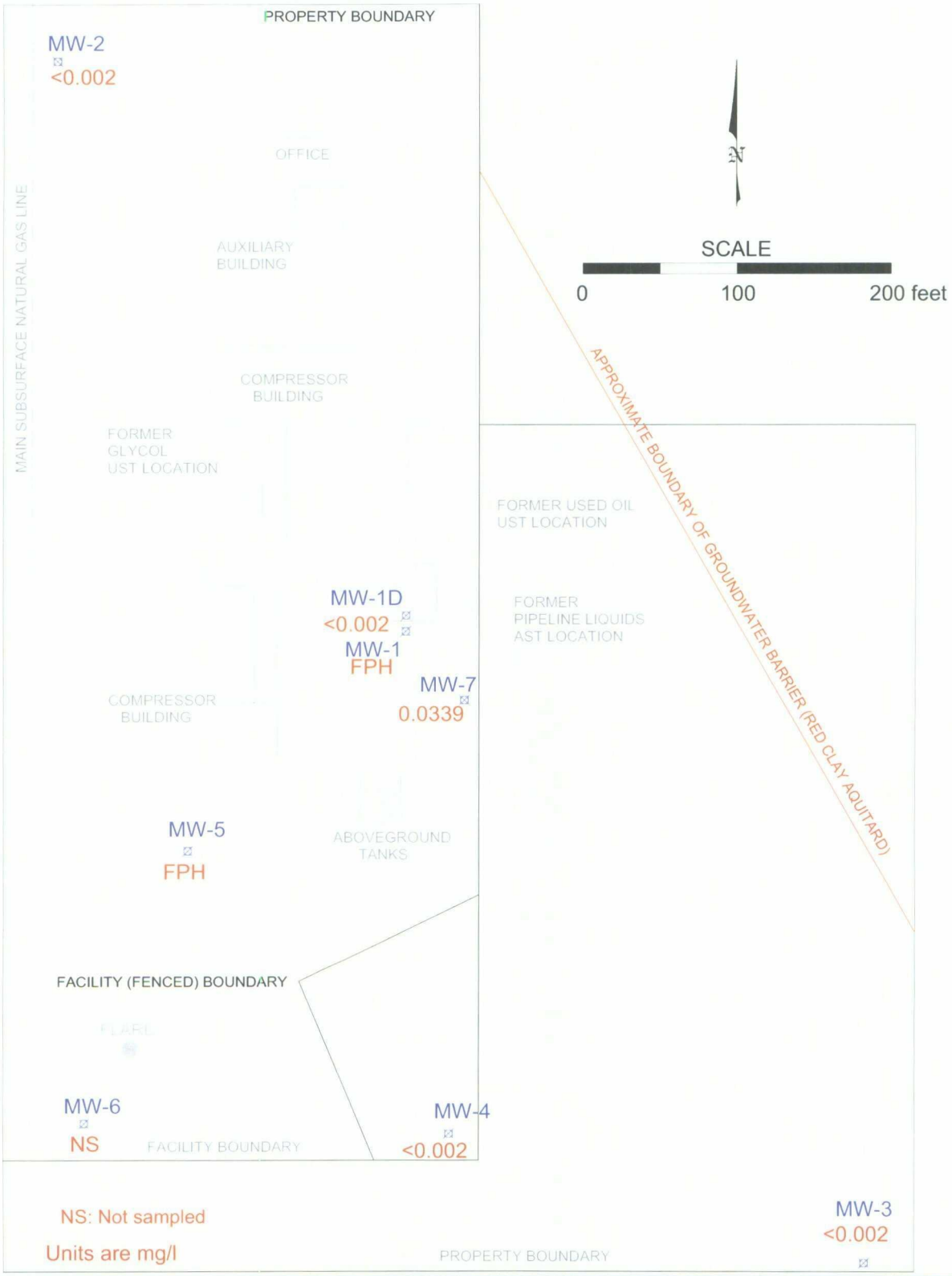


Figure 6 – March 2009 Benzene Distribution

Monument Booster Station Groundwater Monitoring

dcp Midstream.

DRAWN BY:	MHS
REVISED:	
DATE:	4/09

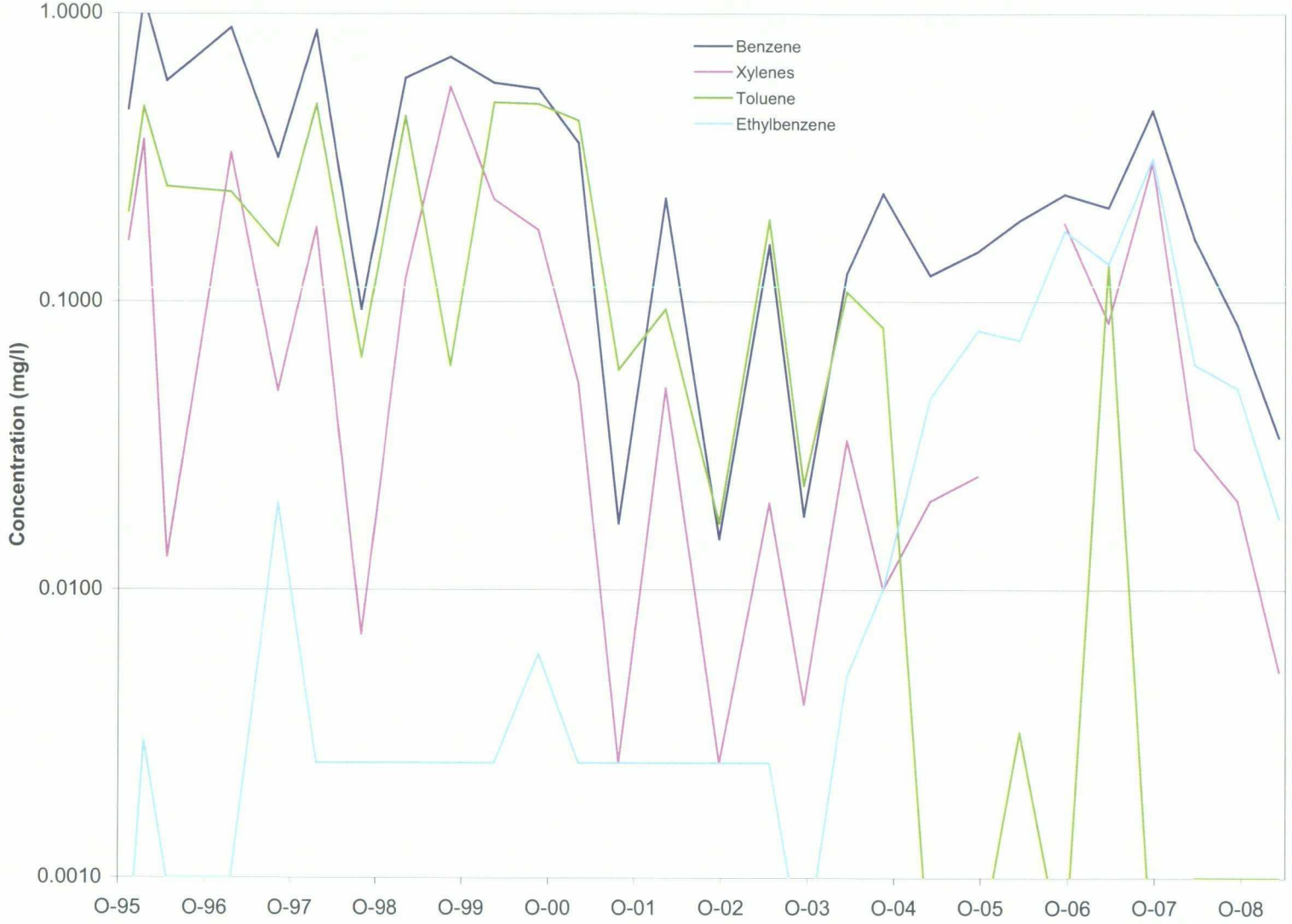


Figure 7 – MW-7 BTEX Constituent Concentrations

Monument Booster Station Groundwater Monitoring

dcp Midstream.

DRAWN BY: MHS

DATE: 4/09

WELL SAMPLING DATA AND

LABORATORY ANALYTICAL REPORTS

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream
WELL ID: **MW-1**
SITE NAME: Monument Booster
DATE: 3/10/2009
PROJECT NO. _____
SAMPLER: A. Taylor/M Stewart

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: 37.00 Feet
DEPTH TO WATER: 28.25 Feet
HEIGHT OF WATER COLUMN: 8.75 Feet
WELL DIAMETER: 4.0 Inch

17.1 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
	0	Total Volume (gal)					

SAMPLE NO.: MW-1

ANALYSES: BTEX (8260)

COMMENTS: DID NOT SAMPLE DUE TO FREE PHASE HYDROCARBONS IN WELL

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream
WELL ID: **MW-1D**
SITE NAME: Monument Booster
DATE: 3/10/2009
PROJECT NO.
SAMPLER: A. Taylor/M Stewart

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: 36.30 Feet
DEPTH TO WATER: 26.71 Feet
HEIGHT OF WATER COLUMN: 9.59 Feet
WELL DIAMETER: 2.0 Inch

4.7 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
	1.6	18.6	0.87	7.79			
	3.2	19.0	0.83	7.56			
325	4.8	19.1	0.82	7.44			
	4.8	Total Volume (gal)					

SAMPLE NO.: MW-1D
ANALYSES: BTEX (8260)
COMMENTS: Duplicate sample

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream
WELL ID: **MW-2**
SITE NAME: Monument Booster
DATE: 3/10/2009
PROJECT NO.
SAMPLER: A. Taylor/M Stewart

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: 43.30 Feet
DEPTH TO WATER: 29.55 Feet
HEIGHT OF WATER COLUMN: 13.75 Feet
WELL DIAMETER: 4.0 Inch

26.9 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
	9.0	18.3	3.46	7.43			
305	18.0	18.5	3.32	7.38			Bailed down; ~ 18.0 Gal Evacuated
	18.0	Total Volume (gal)					

SAMPLE NO.: MW-2
ANALYSES: BTEX (8260)
COMMENTS:

WELL SAMPLING DATA FORM

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

SITE NAME: Monument Booster | DATE: 3/10/2009

PROJECT NO. | SAMPLER: A. Taylor/M Stewart

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: 35.70 Feet
DEPTH TO WATER: 22.82 Feet
HEIGHT OF WATER COLUMN: 12.88 Feet
WELL DIAMETER: 4.0 Inch

25.2 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
	8.5	17.7	1.27	7.31			
	17.0	18.3	1.30	7.28			
515	25.5	17.5	1.29	7.40			
	25.5	Total Volume (gal)					

SAMPLE NO.: MW-3

ANALYSES: BTEX (8260)

COMMENTS: Collected Matrix Spike/Matrix Spike Duplicate

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream
WELL ID: **MW-4**
SITE NAME: Monument Booster
DATE: 3/10/2009
PROJECT NO.
SAMPLER: A. Taylor/M Stewart

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: 38.90 Feet
DEPTH TO WATER: 26.56 Feet
HEIGHT OF WATER COLUMN: 12.34 Feet
WELL DIAMETER: 4.0 Inch

24.2 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
	8.0	18.7	0.99	7.22			
	16.0	18.5	1.00	7.28			
410	20.0	18.7	1.01	7.30			Bailed Down: ~ 20 Gal Evacuated

20.0 Total Volume (gal)

SAMPLE NO.: MW-4
ANALYSES: BTEX (8260)
COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream
WELL ID: **MW-5**
SITE NAME: Monument Booster
DATE: 3/10/2009
PROJECT NO.
SAMPLER: A. Taylor/M Stewart

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: 37.00 Feet
DEPTH TO WATER: 29.21 Feet
HEIGHT OF WATER COLUMN: 7.79 Feet
WELL DIAMETER: 4.0 Inch

15.3 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
	0	Total Volume (gal)					

SAMPLE NO.: MW-5

ANALYSES: BTEX (8260)

COMMENTS: DID NOT SAMPLE DUE TO FREE PHASE HYDROCARBON IN WELL

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream
WELL ID: **MW-6**
SITE NAME: Monument Booster
DATE: 3/10/2009
PROJECT NO. _____
SAMPLER: A. Taylor/M Stewart

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: 38.50 Feet
DEPTH TO WATER: -- Feet
HEIGHT OF WATER COLUMN: #VALUE! Feet
WELL DIAMETER: 4.0 Inch

#VALUE! 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
							No sample due to Flare
	0.0	Total Volume (gal)					

SAMPLE NO.: MW-6
ANALYSES: BTEX (8260)
COMMENTS: No sample due to releases from flare

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream
WELL ID: **MW-7**
SITE NAME: Monument Booster
DATE: 3/10/2009
PROJECT NO. _____
SAMPLER: A. Taylor/M Stewart

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: 36.40 Feet
DEPTH TO WATER: 26.16 Feet
HEIGHT OF WATER COLUMN: 10.24 Feet
WELL DIAMETER: 4.0 Inch

20.1 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
	8.0	17.9	1.04	6.95			
	16.0	17.1	0.90	7.17			
0:00	24.0	17.7	0.85	7.20			
	24.0	Total Volume (gal)					

SAMPLE NO.: MW-7
ANALYSES: BTEX (8260)
COMMENTS: _____

Gulf Coast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

03/20/09

Technical Report for

DCP Midstream, LLC

DCP Midstream Monument Booster Station/Lea County, NM

Accutest Job Number: T26019

Sampling Date: 03/11/09

Report to:

American Environmental Consulting

mstewart@aecdenver.com

ATTN: Mike Stewart

Total number of pages in report: 19

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: William Reeves 713-271-4700

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

Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

-1-

Sample Summary

DCP Midstream, LLC

Job No: T26019

DCP Midstream Monument Booster Station/Lea County, NM

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T26019-1	03/11/09	15:25	MS	03/13/09	AQ	Ground Water	MW-1D
T26019-2	03/11/09	15:05	MS	03/13/09	AQ	Ground Water	MW-2
T26019-3	03/11/09	17:15	MS	03/13/09	AQ	Ground Water	MW-3
T26019-3D	03/11/09	17:15	MS	03/13/09	AQ	Water Dup/MSD	MW-3 MSD
T26019-3S	03/11/09	17:15	MS	03/13/09	AQ	Water Matrix Spike	MW-3 MS
T26019-4	03/11/09	16:10	MS	03/13/09	AQ	Ground Water	MW-4
T26019-5	03/11/09	16:40	MS	03/13/09	AQ	Ground Water	MW-7
T26019-6	03/11/09	00:00	MS	03/13/09	AQ	Ground Water	DUP
T26019-7	03/11/09	00:00	MS	03/13/09	AQ	Trip Blank Water	TRIP BLANK

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1D		
Lab Sample ID:	T26019-1	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014840.D	1	03/17/09	RR	n/a	n/a	VF3323
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	0.00046	mg/l	
108-88-3	Toluene	ND	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-122%
17060-07-0	1,2-Dichloroethane-D4	99%		75-121%
2037-26-5	Toluene-D8	103%		87-119%
460-00-4	4-Bromofluorobenzene	110%		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:	T26019-2	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014841.D	1	03/17/09	RR	n/a	n/a	VF3323
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	0.00046	mg/l	
108-88-3	Toluene	ND	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0014	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	101%		87-119%
460-00-4	4-Bromofluorobenzene	109%		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:	T26019-3	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014837.D	1	03/17/09	RR	n/a	n/a	VF3323
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	0.00046	mg/l	
108-88-3	Toluene	ND	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-122%
17060-07-0	1,2-Dichloroethane-D4	105%		75-121%
2037-26-5	Toluene-D8	102%		87-119%
460-00-4	4-Bromofluorobenzene	109%		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:	T26019-4	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014842.D	1	03/17/09	RR	n/a	n/a	VF3323
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	0.00046	mg/l	
108-88-3	Toluene	ND	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		79-122%
17060-07-0	1,2-Dichloroethane-D4	107%		75-121%
2037-26-5	Toluene-D8	102%		87-119%
460-00-4	4-Bromofluorobenzene	108%		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-7		
Lab Sample ID:	T26019-5	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014843.D	1	03/17/09	RR	n/a	n/a	VF3323
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	0.0339	0.0020	0.00046	mg/l	
108-88-3	Toluene	ND	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.0177	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0052	0.0060	0.0014	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-122%
17060-07-0	1,2-Dichloroethane-D4	101%		75-121%
2037-26-5	Toluene-D8	98%		87-119%
460-00-4	4-Bromofluorobenzene	101%		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:	T26019-6	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014844.D	1	03/17/09	RR	n/a	n/a	VF3323
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	0.00046	mg/l	
108-88-3	Toluene	ND	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		79-122%
17060-07-0	1,2-Dichloroethane-D4	106%		75-121%
2037-26-5	Toluene-D8	104%		87-119%
460-00-4	4-Bromofluorobenzene	111%		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:	T26019-7	Date Sampled:	03/11/09
Matrix:	AQ - Trip Blank Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014845.D	1	03/17/09	RR	n/a	n/a	VF3323
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	0.00046	mg/l	
108-88-3	Toluene	ND	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0014	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	99%		75-121%
2037-26-5	Toluene-D8	99%		87-119%
460-00-4	4-Bromofluorobenzene	108%		80-133%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

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

Page ____ of

FED-EX Tracking #: | Bottle Order Control #:

Accutest Quote #: | Accutest Job #: T26019

Client / Reporting Information

Company Name: DCP Midstream

Project Contact: Stephen Weathers | E-Mail: SWWeathers@dcpmidstream.com

Address: 370 Seventeenth Street, Suite 2500

City: Denver | State: CO | Zip: 80202

Phone No.: 303-605-1718 | Fax No.:

Samplers's Name: M.Stewart/A.Taylor

Project Information

Project Name / No.: DCP Midstream Monument Booster Station

Bill to: Same | Invoice Attn.:

Address:

City: | State: | Zip:

Phone No.: | Fax No.:

Client Purchase Order #:

Requested Analyses

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	Number of preserved bottles: HCl	H2SO4	HNO3	NaOH	ZnOAc/NaOH	NaHSO4	MEOH	NONE	BTEX 8260B	LAB USE ONLY
1	MW-1d	3/11/09	325	GW	3	X								X	
2	MW-2		305	GW	3	X								X	
3	MW-3		515	GW	3	X								X	
4	MW-4		410	GW	3	X								X	
	MW-6	X	X	GW	X	-								X	
5	MW-7		440	GW	3	X								X	
6	Dup		000	GW	3	X								X	
7	Trip Blank		Lab	WTB	Lab									X	
3	~~MW-4~~ ~~MW-4~~ MS/MSD MW-3		~~410~~	GW	3	X								X	

Turnaround Time (Business days)

- [ ] 10 Day *STANDARD*
- [X] 7 Day
- [ ] 4 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*
- [ ] Other

Approved By/ Date:

Real time analytical data available via Lablink

Data Deliverable Information

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

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

Comments / Remarks

No Sample MW-6
MS/MSD MW-3 Time 515

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			1	2		2
3	Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time	Received By: 4
5	Relinquished by: FEDEX	Date Time: 7.13.09 0900	Received By: 5 Ivan	Custody Seal #	Preserved where applicable ☐	On Ice ☐ Cooler Temp. .8

3.1 (3)

T26019: Chain of Custody
Page 1 of 3

SAMPLE INSPECTION FORM

Accutest Job Number: T26019 Client: DCP Midstream Date/Time Received: 3-13-09

# of Coolers Received: 1 Thermometer #: 110 Temperature Adjustment Factor: -3

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

Method of Delivery: FEDEX UPS Accutest Courier Greyhound Delivery Other

Airbill Numbers: 868704797915

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: 3.13.09

INFORMATION AND SAMPLE LABELING VERIFIED BY: 3/13/09

CORRECTIVE ACTIONS

Client Representative Notified: _____ **Date:** _____

By Accutest Representative: _____ **Via:** Phone Email

Client Instructions:

i:\mwalker\forms\samplemanagement

3.1 C

3.1

(3)

SAMPLE RECEIPT LOG

JOB #: T26019　　DATE/TIME RECEIVED: 3-13-09　900

CLIENT: DCP Midstream　　INITIALS: IT

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH
1	1	MW-1A	3.11.09 325	GW	40ml	1-3	VR	1 (2) 3 4 5 6 7 8	<2 >12
↓	2	MW-2	↓ 305	↓	↓	↓	↓	1 (2) 3 4 5 6 7 8	<2 >12
	3	MW-3	515			1-6		1 (2) 3 4 5 6 7 8	<2 >12
	4	MW-4	410			1-3		1 (2) 3 4 5 6 7 8	<2 >12
	5	MW-7	440			↓		1 (2) 3 4 5 6 7 8	<2 >12
	6	Dup	3.11.09					1 (2) 3 4 5 6 7 8	<2 >12
	7	Trip blank	/	DI		1-2		1 (2) 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
		3.13.09 IT						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
								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
								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: HNO_3　4: H_2SO_4　5: NAOH　6: DI　7: MeOH　8: Other

T26019: Chain of Custody
Page 3 of 3

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: T26019
Account: DUKE DCP Midstream, LLC
Project: DCP Midstream Monument Booster Station/Lea County, NM

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF3323-MB	F014832.D	1	03/17/09	RR	n/a	n/a	VF3323

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

T26019-1, T26019-2, T26019-3, T26019-4, T26019-5, T26019-6, T26019-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.46	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.45	ug/l	
108-88-3	Toluene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.4	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	79-122%
17060-07-0	1,2-Dichloroethane-D4	104%	75-121%
2037-26-5	Toluene-D8	104%	87-119%
460-00-4	4-Bromofluorobenzene	113%	80-133%

Blank Spike Summary

Job Number: T26019
Account: DUKE DCP Midstream, LLC
Project: DCP Midstream Monument Booster Station/Lea County, NM

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF3323-BS	F014830.D	1	03/17/09	RR	n/a	n/a	VF3323

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

T26019-1, T26019-2, T26019-3, T26019-4, T26019-5, T26019-6, T26019-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.2	93	76-118
100-41-4	Ethylbenzene	25	22.4	90	75-112
108-88-3	Toluene	25	22.1	88	77-114
1330-20-7	Xylene (total)	75	67.8	90	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	79-122%
17060-07-0	1,2-Dichloroethane-D4	101%	75-121%
2037-26-5	Toluene-D8	99%	87-119%
460-00-4	4-Bromofluorobenzene	98%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T26019
Account: DUKE DCP Midstream, LLC
Project: DCP Midstream Monument Booster Station/Lea County, NM

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T26019-3MS	F014838.D	1	03/17/09	RR	n/a	n/a	VF3323
T26019-3MSD	F014839.D	1	03/17/09	RR	n/a	n/a	VF3323
T26019-3	F014837.D	1	03/17/09	RR	n/a	n/a	VF3323

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

T26019-1, T26019-2, T26019-3, T26019-4, T26019-5, T26019-6, T26019-7

CAS No.	Compound	T26019-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	24.2	97	23.6	94	3	76-118/16
100-41-4	Ethylbenzene	ND		25	23.0	92	22.8	91	1	75-112/12
108-88-3	Toluene	ND		25	22.6	90	22.6	90	0	77-114/12
1330-20-7	Xylene (total)	ND		75	70.2	94	69.3	92	1	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T26019-3	Limits
1868-53-7	Dibromofluoromethane	101%	100%	102%	79-122%
17060-07-0	1,2-Dichloroethane-D4	108%	103%	105%	75-121%
2037-26-5	Toluene-D8	98%	99%	102%	87-119%
460-00-4	4-Bromofluorobenzene	100%	99%	109%	80-133%