1RP-400

4th QTR 2009 GW Mon. Results

DATE: February 25, 2010

Lowe, Leonard, EMNRD

From: mhstewart@gmail.com on behalf of Michael Stewart [mstewart@aecdenver.com]

Sent: Monday, June 21, 2010 11:57 AM

To: Lowe, Leonard, EMNRD; Johnson, Larry, EMNRD

Cc: Weathers, Stephen W

Subject: Notification to Compete Groundwater Monitoring at the DCP X-Line Site (1RP-400)

American Environmental Consulting, LLC, a subcontractor to DCP Midstream, will complete groundwater monitoring activities at the DCP X-Line Site (1RP-400). The project site is located in Unit B, Sec 7, Township 15S, Range 34E. Coordinates are 32.036 north, 103.547 west, Lea County.

The activities to be completed include:

1. Measure fluid levels in all monitoring wells associated with the study area.

- 2. Purge a minimum of three casing volumes from monitoring wells that do not contain free product and continue purging as necessary until the field temperature, pH and conductivity stabilize.
- 3. Collect groundwater samples for BTEX from the purged wells.
- 4 Dispose of all affected purge water at the DCP Linam Ranch facility.

The activities will begin on June 30, 2010 no earlier than 0700 MDT.

Please contact me by email or by phone if you have any questions and/or comments or if you require split samples

Michael Stewart 303.948.7733 303.638.0001 cell/text 303.948.7739 fax



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

February 25, 2010

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

RE: 4th Quarter 2009 Groundwater Monitoring Results

DCP X-Line Pipeline Release (1RP-400-0)

Unit B, Section 7, T15S, R34E (Lat 33° 02' 11", Long 103° 32' 48")

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review, one copy of the 4th Quarter 2009 Groundwater Monitoring Results for the DCP X-Line Pipeline Release located within the Etcheverry Ranch, Lea County, New Mexico.

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

Sincerely

DCP Midstream, LP

Stephen Weathers, PG

Principal Environmental Specialist

cc: Mrs. Etcheverry, Landowner - Certified Mail 91 7108 2133 3931 3377 2092

Larry Johnson, OCD Hobbs District Office (Copy on CD)

Environmental Files



February 16, 2010

Mr. Stephen Weathers DCP Midstream, LP 370 Seventeenth Street, Suite 2500 Denver, Colorado 80202

Re: Fourth Quarter 2009 Groundwater Monitoring Summary X-Line Pipeline Release, Etcheverry Ranch, Lea County, New Mexico Unit B, Section 7, Township 15 South, Range 34 East (1RP-400-0)

Dear Mr. Weathers:

This letter summarizes the results of the fourth quarter 2009 groundwater monitoring activities completed December 18, 2009 for DCP Midstream, LP (DCP) at the X-Line Pipeline Release on the Etcheverry Ranch at 33.0364° north, 103.5467° west (Figure 1).

The eight monitoring well locations are shown on Figure 2. All wells were sampled. Well construction information is summarized in Table 1.

The depths to water were measured in each well prior to purging. This data was used to calculate well casing-volume storage. The wells were then purged and sampled using dedicated bailers. Well purging consisted of removing a minimum of three casing volumes of water and, as necessary, continuing bailing until the field parameters temperature, pH and conductivity stabilized. The field sampling forms are attached.

Unfiltered samples were collected from each well upon stabilization. Each sample was analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method SW-846, 8260B. A field duplicate was collected from well MW-8. A matrix spike/matrix spike duplicate was analyzed from MW-7.

The samples were placed in an ice-filled chest immediately upon collection and documented using standard chain-of-custody protocol. The samples were delivered via Federal Express to AccuTest Laboratories in Houston, Texas. All affected purge water was stored on site for ultimate disposal.

The groundwater elevation measurements for all sampling episodes are summarized in Table 2. Well MW-8 is not included because its casing elevation has not been established. Hydrographs for wells MW-1 through MW-7 are shown on Figure 3. Figure 3 shows that the water-table elevations increased consistently across the site except in MW-3 where it remained constant. The water-table elevations remain at the upper end of the fluctuation range measured over the duration of this project.

Mr. Stephen Weathers February 16, 2010 Page 2

No free-phase hydrocarbons (FPH) were measured in MW-8. The FPH thickness values that were measured in MW-8 during the monitoring program are summarized in Table 3. FPH has not been detected in MW-8 since December 2008. The vapor extraction system was not restarted based upon the absence of FPH, but it will be restarted if FPH is measured during future events.

A water-table contour map based upon the fourth quarter 2009 measurements was generated using the Surfer program with a kriging option (Figure 4). The water-table configuration reflects the historical conditions of general eastward flow.

Table 4 summarizes the fourth quarter 2009 sampling results. A copy of the laboratory report is attached. Examination of Table 4 indicates that:

- 1. No benzene was detected above the method reporting limit in wells MW-1 through MW-7.
- 2. No toluene was detected above the method reporting limit in wells MW-1 through MW-7.
- 3. Ethylbenzene and xylenes were not measured in MW-1 and MW-3 through MW-7.
- 4. MW-2 contained ethylbenzene and xylenes above the method reporting limit; however, the concentrations were below their respective New Mexico Water Quality Control Commission (NMWQCC) groundwater standards.
- 5. The primary and duplicate MW-8 samples contained benzene, toluene and xylenes at concentrations that exceeded the NMWQCC groundwater standards.

The Quality Assurance data for the sampling event was reviewed. Important quality assurance/quality control evaluations include:

- 1. The samples were all analyzed within the permitted 14-day holding time;
- 2. The trip blank did not contain any BTEX.
- 3. None of the individual surrogate spikes were outside their control ranges;
- 4. The relative percentage difference (RPD) value of 47.2 percent for ethylbenzene was elevated; however, the measured concentrations are well below the NMWQCC groundwater standards.
- 5. The RFD values for benzene (13.2%),toluene (1.8%) and xylenes (2.5%) were below 20 percent.
- 6. The method blank and blank spike evaluations were within their respective control limits.
- 7. The matrix spike and the matrix spike duplicate results for MW-7 were all within their acceptable ranges.

The above results establish that the samples are suitable for routine groundwater monitoring evaluation.

Mr. Stephen Weathers February 16, 2010 Page 3

The fourth quarter 2009 benzene distribution is shown on Figure 5. Combining the groundwater flow path shown in Figure 4 with this data establishes that the BTEX constituents in MW-8 and the ethylbenzene and xylenes in MW-2 attenuated to below their respective method reporting limits before migrating downgradient to MW-7.

The BTEX concentrations in MW-8 are graphed over time in Figure 6. The xylenes concentration increased slightly while the benzene, toluene and ethylbenzene concentrations decreased substantially. These changes may have resulted from the increased efficiency of the iSOC system in the replacement well.

All of the historical data for benzene, toluene, ethylbenzene and total xylenes are summarized in Tables 5, 6, 7, and 8 respectively. There have been no exceedances of the NMWQCC Groundwater Standards since October 2004 for MW-2 and March 2005 for MW-3. There have never been any exceedances in MW-1, MW-4, MW-5, MW-6 and MW-7.

The next monitoring episode is scheduled for the first quarter of 2010. Do not hesitate to contact me if you have any questions or comments on this report.

Respectfully submitted,

AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart, P.E.

Muhael H. Stewart

Principal Engineer

MHS:tbm

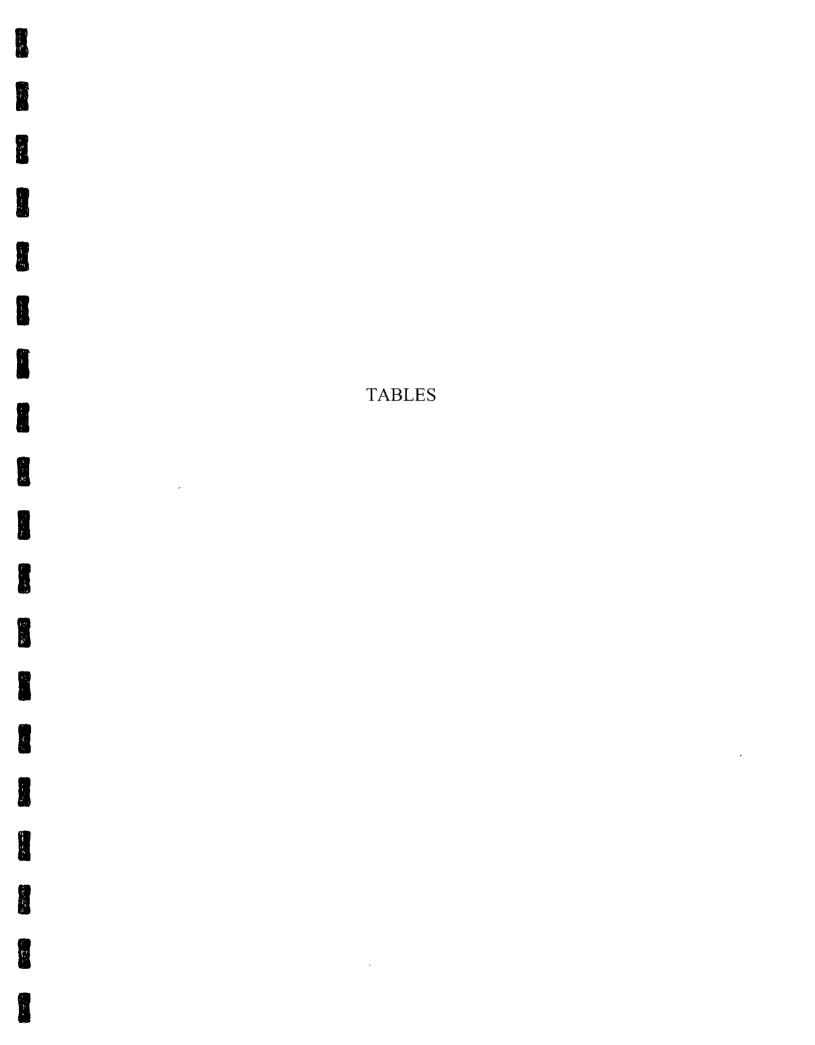


Table 1 – Monitoring Well Completions

	Date	Well	Completion	Top of
Well	Installed	Depth	Interval	Sand
MW-1	3/02	91	71-91	68
MW-2	3/02	88	68-88	62
MW-3	3/02	91	71-91	61
MW-4	4/02	91	71-91	68
MW-5	4/02	89	69-89	56
MW-6	4/02	90	70-90	68
MW-7	5/02	85	65-85	59
MW-8	5/09	84	49-84	45

Notes: Units are Feet

Hydrocarbon extraction well (MW-8) completed between approximately 80 and 100 feet

Table 2 – Measured Water Table Elevations

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/3/05	89.34	89.68	89.24	88.79	188.73	88.83	87.78
)4 3,	 8 40	3 40	2 40	1 40	2 40	8 40	5 40
12/09/0	4089.1	4089.0	4088.8	4088.7	4088.6	4088.6	4087.6
/03 7/17/03 8/20/03 9/22/03 10/29/03 11/20/03 2/18/04 6/25/04 10/18/04 12/09/04 3/3/05	4088.54 4088.53 4088.55 4088.55 4088.55 4088.54 4088.53 4088.60 4088.59 4089.19 4089.12 4089.22 4089.18 4089.34	VIW-2 4089.02 4089.03 4089.05 4089.07 4089.04 4089.09 4089.06 4089.11 4089.13 4088.90 4089.03 4089.06 4089.03 4089.68	4088.83 4088.86 4088.86 4088.85 4088.82 4088.87 4088.84 4088.90 4088.95 4088.82 4088.81 4088.84 4088.82 4088.82	4088.63 4088.73 4088.73 4088.73 4088.73 4088.70 4088.72 4088.71 4088.78 4088.78 4088.74 4088.70 4088.73 4088.71 4088.79	.65 4088.63 4088.66 4088.65 4088.70 4088.70 4088.65 4088.60 4088.63 4088.62 4088.73	VIW-6 4088.69 4088.71 4088.70 4088.69 4088.66 4088.70 4088.68 4088.74 4088.74 4088.69 4088.66 4088.71 4088.68 4088.83	4088.04 4088.01 4088.04 4088.03 4088.08 4088.08 4087.66 4087.63 4087.68 4087.65 4087.78
6/25/04	4089.12	4089.03	4088.81	4088.70	4088.60	4088.66	4087.63
2/18/04	4089.19	4088.90	4088.82	4088.74	4088.65	4088.69	4087.66
11/20/03	4088.59	4089.13	4088.95	4088.78	4088.70	4088.74	4088.08
10/29/03	4088.60	4089.11	4088.90	4088.78	4088.70	4088.74	4088.08
9/22/03	4088.53	4089.06	4088.84	4088.71	4088.65	4088.68	4088.03
8/20/03	4088.54	4089.09	4088.87	4088.72	4088.66	4088.70	4088.04
7/17/03	4088.52	4089.04	4088.82	4088.70	4088.63	4088.66	4088.01
6/19/03	4088.55	4089.07	4088.85	4088.73	4088.65	4088.69	4088.04
4/28/03	4088.55	4089.05	4088.86	4088.73	4088.67	4088.70	
6/6/02	4088.53	4089.03	4088.86	4088.73	4088.68	4088.71	
Well 5/1/02 9/6/02 4/28/03 6/19/	4088.54	4089.02	4088.83	4088.63	MW-5 4088.60 4088.68 4088.67 4088.	4088.69	
Well	MW-1	MW-2	MW-3	MW-4	MW-5	9-MW	MW-7

8		δó.	4	2	2	Č1	7	5
9/15/0		4089.2	4089.14	4088.9	4088.8	4088.7	4088.7	4087.7
6/27/08		4089.36	4089.21	4089.00	4088.84	4088.76	4088.89	4087.81
3/20/08		4089.37	4089.22	4089.01	4088.88	4088.76	4088.84	4087.79
12/27/07		4089.27	4089.11	4088.86	4088.75	4088.66	4088.71	4087.70
1/06 6/26/06 9/28/06 12/21/06 3/13/07 6/26/07 9/5/07 12/27/07 3/20/08 6/27/08 9/15/08		4089.26	4089.10	4088.89	4088.77	4088.68	4088.74	4087.71
6/26/07		4089.24	4089.08	4088.87	4088.75	4088.66	4088.73	4087.71
3/13/07		4089.20	4089.05	4088.85	4088.72	4088.62	4088.70	4087.66
12/21/06	:	4089.24	4089.09	4088.88	4088.76	4088.66	4088.73	4087.69
9/28/06		4089.16	4089.00	4088.84	4088.73	4088.62	4088.66	4087.62
9/92/9		4089.22	4089.05	4088.85	4088.73	4088.63	4088.70	4087.67
3/1/06		4089.23	4089.08	4088.88	4088.75	4088.66	4088.72	4087.70
12/12/05		4089.23	4089.07	4088.88	4088.76	4088.66	4088.73	4087.70
9/28/05		4089.25	4089.10	4088.89	4088.77	4088.67	4088.74	MW-7 4087.71 4087.70 4087.70 4087.67 4087.62 4087.69 4087.66 4087.71 4087.71 4087.70 4087.79 4087.81 4087.75
Well 6/3/05 9/28/05 12/12/05 3/		MW-1 4089.26 4089.25 4089.23 4089.23 4089.22 4089.16 4089.24 4089.20 4089.24 4089.26 4089.27 4089.37 4089.38 4089.28	MW-2 4089.10 4089.10 4089.07 4089.08 4089.05 4089.00 4089.09 4089.05 4089.05 4089.10 4089.11 4089.22 4089.21	MW-3 4088.91 4088.89 4088.88 4088.88 4088.85 4088.84 4088.85 4088.85 4088.85 4088.87 4088.89 4088.86 4089.01 4089.00 4088.92	MW-4 4088.79 4088.77 4088.76 4088.75 4088.73 4088.73 4088.73 4088.72 4088.75 4088.75 4088.75 4088.88 4088.82 4088.82	MW-5 4088.68 4088.67 4088.66 4088.66 4088.63 4088.62 4088.65 4088.65 4088.66 4088.68 4088.66 4088.66 4088.76 4088.75 4088.75	MW-6 4088.75 4088.74 4088.73 4088.72 4088.70 4088.66 4088.73 4088.73 4088.73 4088.74 4088.71 4088.84 4088.89 4088.77	4087.71
Well		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7

	Well	Well 12/1/08 3/11/09 5/27/09 9/24/09 12/18/09	3/11/09	5/27/09	9/24/09	12/18/09
<u></u>						
2	1W-1	MW-1 4089.37 4089.27 4089.35 4089.33	4089.27	4089.35	4089.33	4089.37
2	TW-2	MW-2 4089.19 4089.13 4089.24 4089.20	4089.13	4089.24	4089.20	4089.25
2	1W-3	MW-3 4088.99 4088.92 4088.07	4088.92	4088.07	4088.98	4088.98
2	1W-4	MW-4 4088.84 4088.79 4088.91 4088.87	4088.79	4088.91	4088.87	4088.90
2	1W-5	MW-5 4088.77 4088.69 4088.80 4088.75	4088.69	4088.80	4088.75	4088.79
2	9-MI	MW-6 4088.84 4088.77 4088.87 4088.82	4088.77	4088.87	4088.82	4088.87
2	1W-7	MW-7 4087.82 4087.76 4087.80	4087.76	4087.80	4087.90	4087.82
ž	Notes:	Units are feet	ı,			

Units are feet Blank cells: Wells not installed

Table 3 – Summary of Free Phase Hydrocarbon Thickness in MW-8

	Product
Measurement	
Date	(feet)
09/06/02	5.20
04/28/03	5.65
06/19/03	4.01
07/17/03	3.93
09/22/03	3.42
10/29/03	1.42
11/20/03	0.79
06/25/04	0.03
10/18/04	3.26
12/09/04	2.71
03/03/05	0.00
06/03/05	0.12
09/28/05	1.01
12/12/05	0.00
03/01/06	0.04
06/26/06	0.03
09/28/06	0.00
12/21/06	0.28
03/13/07	0.01
06/26/07	1.22
09/05/07	0.40
12/27/07	0.03
03/20/08	0.00
06/27/08	0.00
09/15/08	0.00
12/01/08	0.33
03/11/09	0.00
08/07/09	0.00
09/24/09	0.00
12/18/09	0.00

Units are feet

Table 4 – Fourth Quarter 2009 Groundwater Monitoring Results

				Xylene
Well	Benzene	Toluene	Ethlbenzene	(total)
NMWQCC Standards	0.01	0.75	0.75	0.62
MW-1	< 0.002	< 0.002	< 0.002	< 0.006
MW-2	< 0.002	< 0.002	0.0086	0.0916
MW-3	< 0.002	< 0.002	< 0.002	< 0.006
MW-4	< 0.002	< 0.002	< 0.002	< 0.006
MW-5	< 0.002	< 0.002	< 0.002	< 0.006
MW-6	< 0.002	< 0.002	< 0.002	< 0.006
MW-7	< 0.002	< 0.002	< 0.002	< 0.006
MW-8	0.436	1.12	0.141	5.17
MW-8 Dup	0.382	1.10	0.0872	5.30
TRIP BLANK	< 0.002	< 0.002	< 0.002	< 0.006

Notes: Units are mg/l

NMWQCC Standards: New Mexico Water Quality Control Commission

Groundwater Standards

Table 5 – Summary of Laboratory Data for Benzene

Well	4/24/02	5/21/02	4/28/03	6/19/03	7/17/03	8/20/03	9/22/03	Well 4/24/02 5/21/02 4/28/03 6/19/03 7/17/03 8/20/03 9/22/03 10/29/03 11/20/03 2/18/04 6/25/04 10/18/04 12/9/04 12/9/04	11/20/03	2/18/04	6/25/04	10/18/04	12/9/04	3/3/05	6/3/05	6/3/05 9/28/05 12/12/05	2/12/05
MW-1	<0.002	<0.002 0.002 <0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001 <0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	0.0255	0.145	0.182	0.074	0.155	0.024	0.022	0.001	0.013	<0.001	0.00156		0.00342	<0.001	<0.001	<0.001	<0.001
MW-3	0.061	0.061 0.176 0.099	0.099	0.047	0.063	0.017	0.049	0.044	0.048	0.048 0.0280	0.0173		0.006137	0.00167	0.00332	<0.001	<0.001
MW-4	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001 <0.001	<0.001		<0.001 <0.001 <0.001 <0.001	<0.001	<0.001	<0.001	<0.001
MW-5	<0.002	<0.002 <0.002 0.005	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		< 0.001
9-MM	<0.002	0.002	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	1	<0.001	<0.001	<0.001	< 0.001
MW-7		}	<0.001	0.001	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	< 0.001
8-WM		-	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH		SN	FPH	FPH	0.561

Well	3/1/06	3/1/06 6/26/06 9/28/06 12/21/00	9/28/06	12/21/06	3/13/07	6/26/07	2/2/02	6/26/07 9/5/07 12/27/07 3/20/08 6/27/08	3/20/08	8/52/08	80/51/6	12/1/08 3/11/09	3/11/09	5/27/09	60/47/6	12/18/09
														-	-	
MW-1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	0.00093	<0.002		<0.002	<0.002	<0.002	1	<0.002	<0.002
MW-2	<0.001	9000.0	0.0007	<0.001	0.000674	<0.001	<0.002	0.00057	<0.002	96000.0	96000.0	<0.002	<0.002	<0.002	<0.002	<0.002
MW-3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002		<0.002	<0.002
MW-4	<0.001	<0.001	<0.001	<0.001	<0.001		<0.002	_	<0.002		<0.002	<0.002	<0.002		<0.002	<0.002
MW-5		<0.001	<0.001	<0.001	<0.001	<0.001	<0.002		<0.002		<0.002	<0.002	<0.002		<0.002	<0.002
9-MM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	_	<0.002		<0.002	<0.002	<0.002		<0.002	<0.002
MW-7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002		<0.002		<0.002	< 0.002	<0.002		<0.002	<0.002
MW-8	FPH	FPH	0.24	FPH	0.42	FPH	FPH	FPH	0.28		0.14	FPH	0.219		0.775	0.409

Notes:

Units are mg/l.

Duplicate sample results were averaged together
Indicators for estimated (J) values not shown
FPH: Free phase hydrocarbons present, no sample collected
* Sample collected 8/7/09

Table 6 – Summary of Laboratory Data for Toluene

Dr. Jack

12/12/05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	2.98
9/28/05 12	<0.001	<0.001				<0.001		
6/3/05 9	<0.001		0				L	FPH
3/3/05	<0.001	<0.001	<0.001	<0.001 <0.001 <0.001	<0.001 <0.001	<0.001 <0.001	<0.001 <0.001	SN
12/9/04	<0.001 <0.001		< 0.001	<0.001	<0.001	<0.001	<0.001	FPH
10/18/04	<0.001	\sim	<0.001			<0.001	<0.001	FPH
Well 4/24/02 5/21/02 4/28/03 6/19/03 7/17/03 8/20/03 9/22/03 10/29/03 11/20/03 2/18/04 6/25/04 10/18/04 12/9/04 3/3/05 6/3/05	<0.001	0.00108	0.000158	<0.001 <0.001	<0.001	<0.001	<0.001	FPH
2/18/04	<0.001	0.00652	<0.001	<0.001	<0.001	<0.001	<0.001	FPH
11/20/03	<0.001	0.017	0.003	<0.001	<0.001	<0.001	<0.001	FPH
10/29/03	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	0.001	FPH
9/22/03	<0.001	0.051	<0.001	<0.001	<0.001	<0.001	<0.001	FPH
8/20/03	<0.001	0.092	0>	<0.001	<0.001	<0.001	<0.001	FPH
7/11//03	<0.001	0.15 0	0.002	<0.001	<0.001	<0.001	<0.001	FPH
6/19/03	<0.001	990.0	<0.001	<0.001	<0.001	<0.001	<0.001	FPH
4/28/03	0.003 <0.001	0.092	0.005	<0.001	<0.001	<0.001	< 0.001	ЕРН
5/21/02		0.833	0.004	<0.002 <0.002	< 0.002	<0.002	-	
4/24/02	<0.002	0.107	<0.002		<0.002	<0.002		-
Well	MW-1	MW-2	MW-3	MW-4	MW-5	9-MM	MW-7	MW-8

MW-1 <0.001	00100	weii 3/1/00 0/20/00 3/28/00 17/2	_	3/13/07	2/26/07	9/5/07 1	12/27/07	3/20/08	6/27/08	9/15/08	12/1/08	3/11/09	5/27/09	/06 3/13/07 6/26/07 9/5/07 12/27/07 3/20/08 6/27/08 9/15/08 12/1/08 3/11/09 5/27/09 9/24/09 12/18/09	12/18/09
MW-1 <0.0															
	001 <0.001	1 <0.001	<0.001	<0.001	1 < 0.001	<0.002	<0.002 0.002 <0.002	<0.002	<0.002	<0.002 <0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MW-2 < 0.0	MW-2 <0.001 0.00114 0.00137	4 0.00137	<0.001	0.00512	0.0102	0.0075	0.0039	0.03	0.0073	0.03	0.03 0.0135	0.0048	0.010	<0.002	<0.002
MW-3 < 0.0	001 < 0.001	<0.001	<0.001	<0.001	1 < 0.001	<0.002	0.0012 < 0.002	<0.002	<0.002	<0.002 <0.002	<0.002	. <0.002	<0.002	<0.002	<0.002
MW-4 <0.001	001 <0.001	<0.001	<0.001	<0.001	<0.001	<0.002	0.001	<0.002	<0.002	<0.002 <0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MW-5 < 0.0	001 <0.001	<0.001	<0.001	<0.001	<0.001	<0.002	36000.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MW-6 <0.0	001 <0.001	<0.001	<0.001	<0.001	<0.001	<0.002		<0.002	0.00098	<0.002 <0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MW-7 <0.001	001 < 0.001	1 <0.001	100.0>	<0.001	<0.001	<0.002	<0.002 <0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MW-8 FPH	PH FPH	162.0	Hd∃	0.977	FPH	FPH	FPH	0.35	0.388	0.25	FPH	0.257	2.00*	2.52	1.11

Notes:

Units are mg/l.

Duplicate sample results were averaged together
Indicators for estimated (J) values not shown
FPH: Free phase hydrocarbons present, no sample collected
* Sample collected 8/7/09

Table 7 – Summary of Laboratory Data for Ethylbenzene

12/12/05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.928
9/28/05	<0.001	<0.001				<0.001		FPH
6/3/05	<0.001	<0.001	0.00574	<0.001	<0.001	<0.001		FPH
3/3/05	<0.001	<0.001	0.00167	<0.001	<0.001	<0.001		
12/9/04	<0.001	0.00122	0.00884		<0.001	< 0.001		
10/18/04	<0.001	0	0	ľ			<0.001	FPH
6/25/04	<0.001	0.0005	0.0136	<0.001	<0.001	<0.001		ŧι
2/18/04	<0.001		0.0138	<0.001	<0.001	<0.001	<0.001	FPH
11/20/03	<0.001	0.005	0.017	<0.001	<0.001		<0.001	FPH
03 9/22/03 10/29/03 11/20/03 2/18/04 6/25/04 10/18/04 12/9/04	<0.001	0.002	0.018	<0.001	<0.001	<0.001	0.001	FPH
9/22/03	<0.001			$ \vee $	<0.001	<0.001	<0.001	
8/20/03	<0.001	0.012	900.0	<0.001	<0.001	<0.001	<0.001	FPH
7/17/03	<0.001	0.112	0.023	<0.001	<0.001	0.004	<0.001	FPH
6/19/03	<0.001	690.0	0.02	<0.001	<0.001	<0.001	<0.001	FPH
4/28/03	<0.001	0.062 0.121	0.03	<0.001	<0.001	0.002	<0.001	FPH
5/21/02	<0.002	0.062	0.02	<0.00	<0.002	0.002 0.002		
Well 4/24/02 5/21/02 4/28/03 6/19/03 7/17/03 8/20/	<0.002 <0.002 <0.001	0.013	0.023	<0.002	c0.002	0.004	-	-
Well	MW-1	MW-2	MW-3	MW-4	MW-5	9-MM	MW-7	MW-8

12/18/09	<0.002	0.0086	<0.002	<0.002	<0.002	<0.002	<0.002	0.114
9/24/09	<0.002	0.0096	<0.002	<0.002	<0.002	<0.002	<0.002	0.238
5/27/09 9/24/09 12/18/09	<0.002	0.010	<0.002	<0.002	<0.002	<0.002	<0.002	0.233*
	,		l '	< 0.002	l '	l '	l '	
12/1/08			i .	<0.002		l '		
9/12/08	<0.002	0.02	<0.002	<0.002	<0.002	0.0031	<0.002	0.17
80/22/9	< 0.002	0.0229	Ι'	<0.002	l '	Ι'	١.	
3/20/08	<0.002	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	0.15
9/5/07 12/27/07 3/20/08 6/27/08 9/15/08 12/1/08 3/11/09	<0.002	0.00076J	<0.002	<0.002	<0.002	0.0033	<0.002	FPH
2/2/02	<0.002	<0.002	ľ	<0.002	Ι'	Ι *	ľ	FPH
13/07 6/26/07	<0.001	0.0024	<0.0011	<0.001	<0.001	<0.001	<0.001	FPH
_		•	ı	<0.001	l		<0.001	0.437
12/21/06	< 0.001	<0.001	<0.001	<0.001	<0.001	<0.001	< 0.001	FPH
9/28/06	<0.001	0.0003	<0.001	<0.001	<0.001	0.001	<0.001	0.239
90/97/9	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	FPH
Well 3/1/06 6/26/06 9/28/06 12/21/06 3	<0.001	<0.001	ľ	1	<0.001	<0.001	<0.001	FPH
Well	MW-1	MW-2	MW-3	MW-4	MW-5	9-MM	MW-7	MW-8

Notes:

Units are mg/l.

Duplicate sample results were averaged together
Indicators for estimated (J) values not shown

FPH: Free phase hydrocarbons present, no sample collected

* Sample collected 8/7/09

Table 8 – Summary of Laboratory Data for Xylenes

12/12/05	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	68.6
9/28/05	<0.001			<0.001				FPH
6/3/05	<0.001	<0.001	0.00173	<0.001 <0.001 <0.001	<0.001			FPH
3/3/05	<0.001 <0.001	<0.001	0.00044	<0.001	<0.001		1	SN
12/9/04	<0.001	<0.001			<0.001	<0.001		FPH
10/18/04	<0.001	0.0052		<0.001	<0.001	<0.001	<0.001	FPH
6/25/04 10/18/04 12/9/04 3/3/05	<0.001		0					FPH
2/18/04	0.0514		<0.001	ı	l	<0.001	<0.001	FPH
11/20/03	<0.001	0.034	0.004	<0.001	<0.001	<0.001	0.001	FPH
10/29/03 11/20/03 2/18/04	<0.001	0.017	0.001	<0.001	<0.001	0.003	9000	FPH
9/22/03	<0.001	0.079	0.001	<0.001	<0.001	<0.001	<0.001	FPH
8/20/03	<0.001	0.179	0.001	<0.001	<0.001	<0.001	<0.001	FPH
7/17/03	<0.001	0.186	0.007	0.001	0.002	0.004	<0.001	FPH
6/19/03	<0.001	0.103	0.006	< 0.001	0.003	<0.001	<0.001	FPH
4/28/03	<0.001	0.133	0.039	< 0.001	0.003	0.01	<0.001	FPH
5/21/02	<0.006 <0.006 <0.001	1.27	0.451	<0.006 <0.006 <0.001	<0.006	0.047		
Well 4/24/02 5/21/02 4/28/03 6/19/03 7/17/03 8/20/03 9/22/03	<0.006	0.38	0.189	<0.006	AW-5 0.011 <0.006 0.003	0.123		
Well	MW-1	MW-2	MW-3	MW-4	MW-5	9-MM	MW-7	8-WM

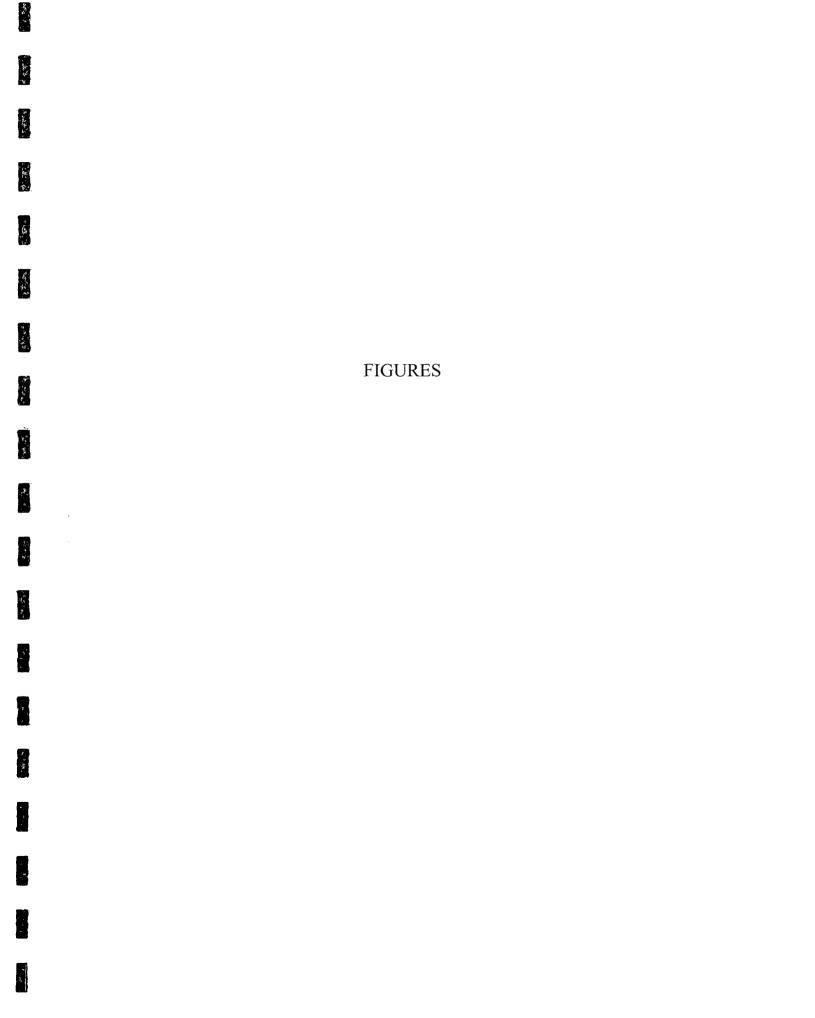
Well	3/1/06	Well 3/1/06 6/26/06 9/28/06 12/21/	90/87/6	12/21/06	3/13/07	6/26/07	2/2/02	12/27/07	3/20/08	6/27/08	9/12/08	12/1/08	3/11/09	5/27/09	06 3/13/07 6/26/07 9/5/07 12/27/073/20/08 6/27/08 9/15/0812/1/083/11/09 5/27/09 9/24/09 12/18/09	12/18/09
MW-1	<0.001	MW-1 <0.001 <0.001 <0.001		<0.001	<0.001	<0.002	<0.004	<0.002 <0.004 0.0028 <0.006 <0.002 <0.006 <0.006 <0.006	>0.006	<0.002	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
MW-2	<0.001	WW-2 <0.001 0.00125 0.0014	0.0014	<0.001	0.00770	0.013	0.0078	0.0051	90.0	0.0229	0.12	0.143	0.12	0.16	0.103	0.0916
MW-3	<0.001	MW-3 <0.001 <0.001 <0.001		<0.001	<0.001	<0.002 <0.004 <0.006 <0.006 <0.002 <0.006 <0.006 <0.006	<0.004	<0.006	>0.006	<0.002	>0.006	<0.006	<0.006	⊽		<0.006
MW-4	< 0.001	MW-4 <0.001 <0.001 <0.001		_	<0.001	<0.002	<0.004	0.0016	>0.006	<0.002	<0.006	<0.006	<0.006	>0.006	>0.006	<0.006
MW-5	< 0.001	MW-5 <0.001 <0.001 <0.001		<0.001	<0.001	<0.002	<0.004	<0.006	>0.006	<0.002	<0.006	<0.006	<0.006	>0.006	>0.006	<0.006
9-MM	<0.001	MW-6 <0.001 <0.001 <0.001	l	<0.001	<0.001		<0.004	<0.006	>0.006	<0.002	<0.006	<0.006	<0.006	>0.006	<0.006	<0.006
MW-7	<0.001	MW-7 <0.001 <0.001 <0.001		<0.001	<0.001	<0.002 <	<0.004	> 900.0> 900.0>	<0.006	<0.002 <0.006 <0.006 <0.006	<0.006	<0.006	<0.006	>0.006	>0.006	<0.006
8-WW	MW-8 FPH	FPH	2.27	FPH	3.35	FPH	FPH	FPH	FPH 2.80	0.388 2.42	2.42	FPH	3.76	4.72*	5.10	5.24

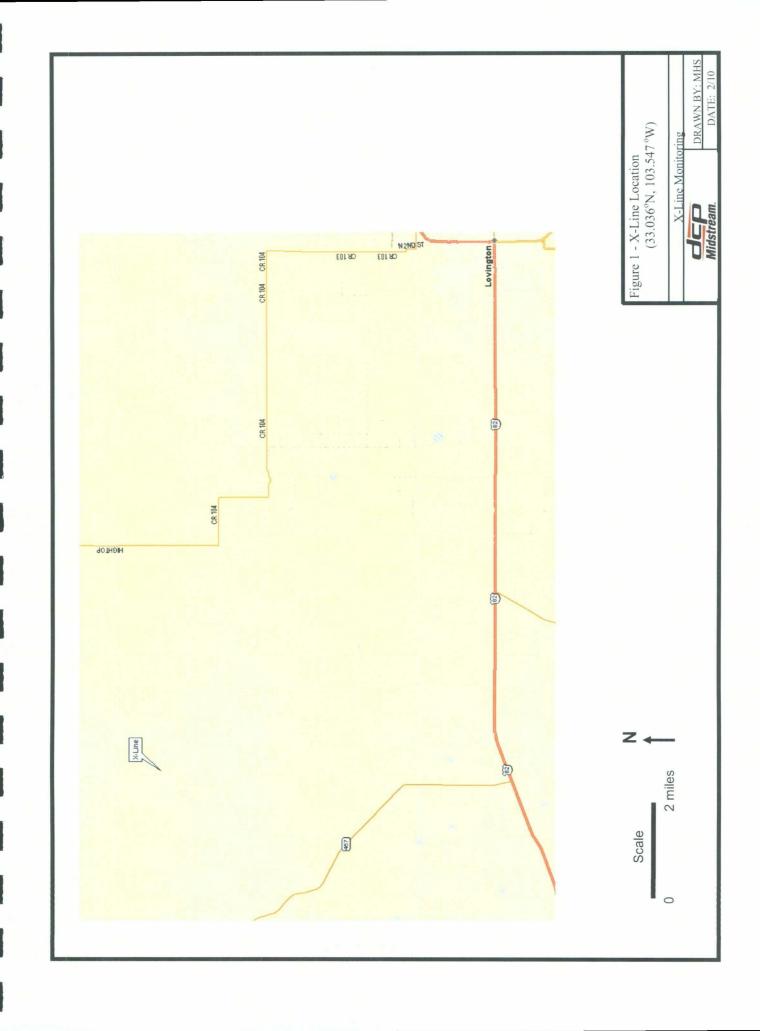
Notes:

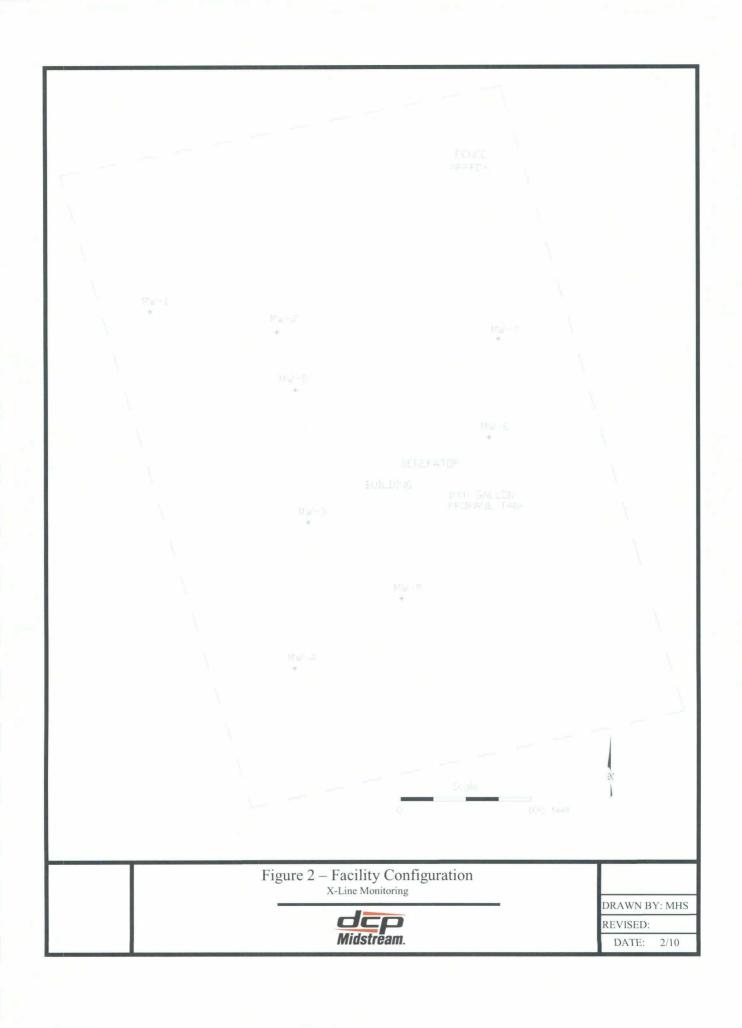
Units are mg/l.

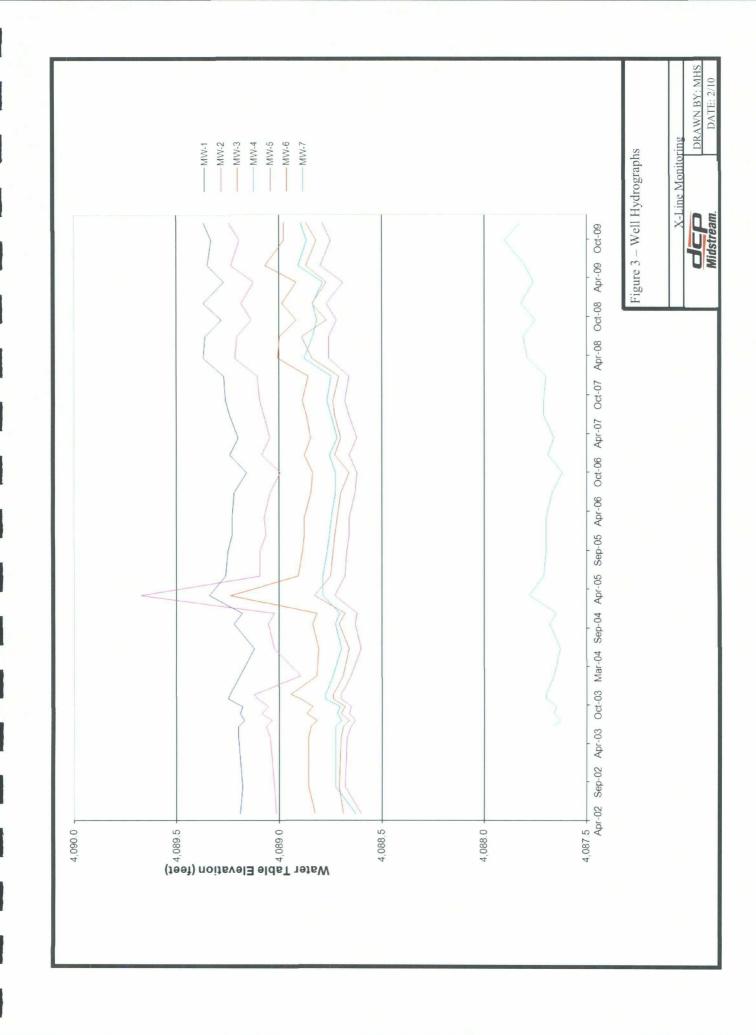
Duplicate sample results were averaged together Indicators for estimated (J) values not shown

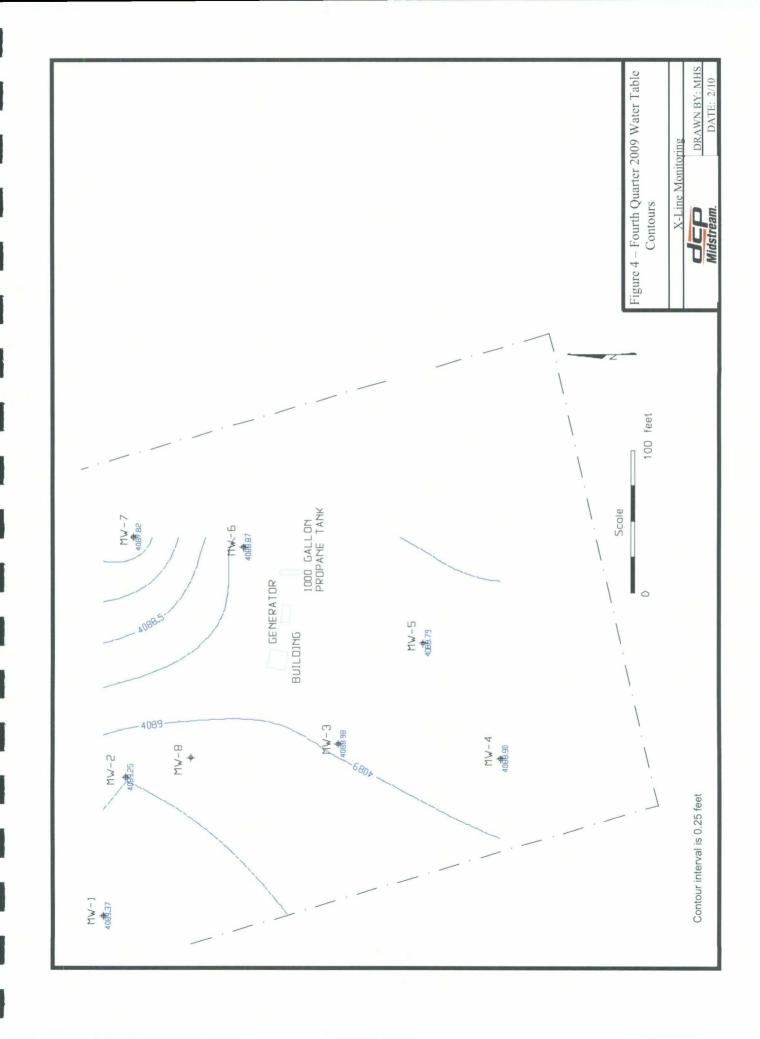
FPH: Free phase hydrocarbons present, no sample collected *Sample collected 8/7/09

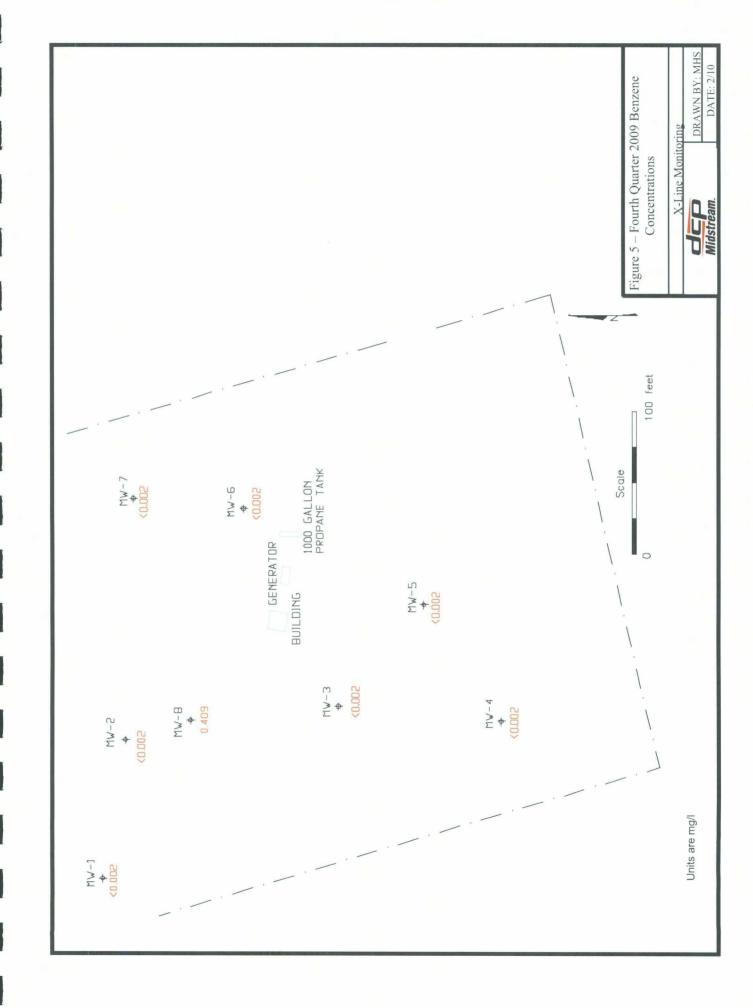


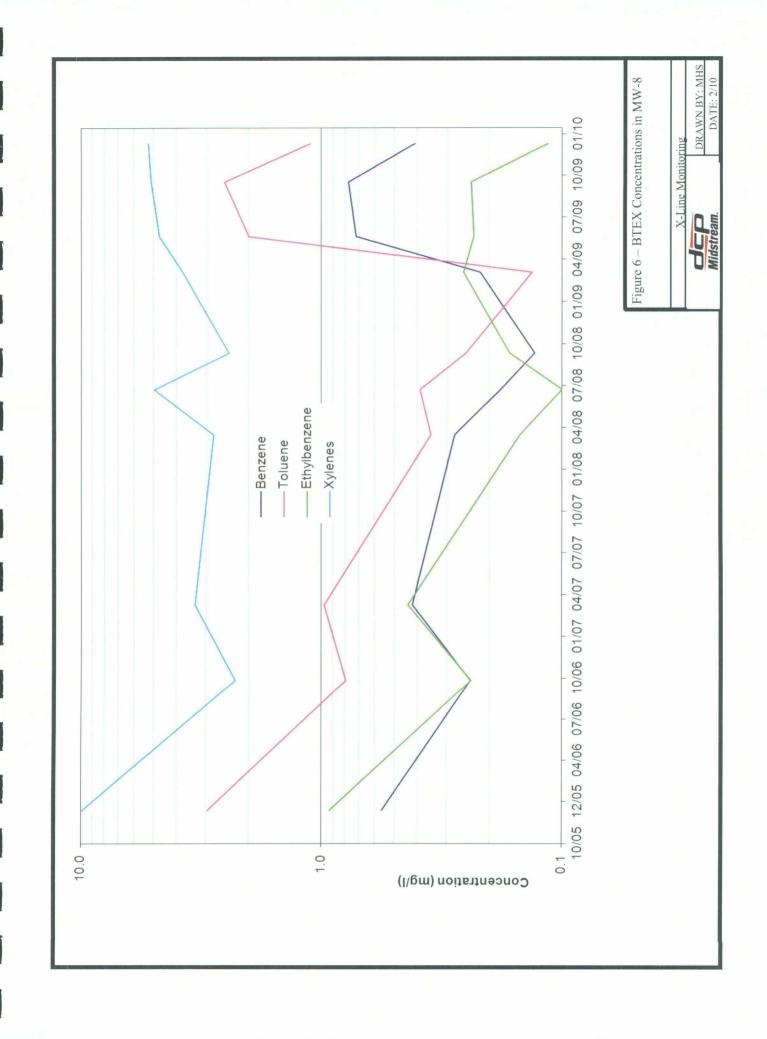












FIELD SAMPLING FORMS AND LABORATORY ANALYTICAL REPORT

	CLIENT:	DC	P Midstre	am	-	WELL ID:	WIVV-1
S	ITE NAME:	X Line (Etcheverry	Ranch)		DATE:	12/18/2009
PRO	DJECT NO.				_	SAMPLER:	A Taylor/M. Stewart
PURGING	G METHOD:		☑ Hand Bai	iled 🗌 Pu	ımp If Pu	mp, Type:	Dedicated Bailer
SAMPLIN	IG METHOD	D:	☑ Dedicate	d Bailer	☐ Direct fr	om Discha	rge Hose □Other:
DESCRIE	BE EQUIPM	ENT DECO	NTAMINATI	ON METH	OD BEFO	RE SAMPI	LING THE WELL:
☑ Glove	s 🗌 Alcono	x 🗌 Distil	led Water R	inse 🗌 (Other:		
DEPTH T HEIGHT	AMETER:	COLUMN: 2.0	94.30 77.32 16.98 Inch	Feet		8.3	Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)
TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	рН	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.3	18.1	0.65	7.49			
	4.6	17.7	0.64	7.39			
	6.9	17.7	0.64	7.36			
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SAMD	LE NO.:	MW-1	<u> </u>	L	<u> </u>		
		BTEX 8260				<u> </u>	
	MENTS:	D1LX 0200	, <u>, </u>				
COM	VILITIO.			· · · · · · · · · · · · · · · · · · ·			

	CLIENT:	DC	P Midstre	am	_	WELL ID:	MW-2
S	ITE NAME:	X Line (Etcheverry	Ranch)	_	DATE:	12/18/2009
PRO	DJECT NO.				S		A Taylor/M. Stewart
					_		
PURGING	G METHOD:		☑ Hand Bai	led 🗆 Pu	ımp If Pur	np, Type:	Dedicated Bailer
SAMPLIN	IG METHOD) :	☑ Dedicate	d Bailer	☐ Direct fr	om Discha	rge Hose
DESCRIE	BE EQUIPM	ENT DECO	NTAMINATI	ON METH	OD BEFO	RE SAMPI	ING THE WELL:
☑ Glove	s 🗌 Alcono	x 🗌 Distill	led Water Ri	nse 🗌 (Other:		group the Town to the
DEPTH T HEIGHT (EPTH OF W O WATER: OF WATER AMETER:	COLUMN:	77.27 12.63	Feet		6.2	Minimum Gallons to purge 3 well volumes
TIME	VOLUME PURGED	TEMP.	COND. mS/cm	pН	DO mg\L	Turb	(Water Column Height x 0.49) PHYSICAL APPEARANCE AND REMARKS
-	1.8	18.4	0.93	7.10	I IIIg\L		TKLIWII (TKO
	3.6	18.2	0.86	7.20			
	5.4	18.2	0.91	7.31			
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		= -					
	LE NO.:	MW-2					
	YSES:	BTEX 8260)B				
COM	MENTS:						

	CLIENT:	DC	P Miastre	am	_	WELL ID:	IVI VV - 3
S	ITE NAME:	X Line (Etcheverry	Ranch)	_	DATE:	12/18/2009
PRO	DJECT NO.				_	SAMPLER:	A Taylor/M. Stewart
PURGING	3 METHOD:		☑ Hand Bai	led 🗌 Pu	ımp If Pu	mp, Type:	Dedicated Bailer
SAMPLIN	IG METHOE) :	☑ Dedicated	d Bailer [☐ Direct fr	om Dischar	rge Hose
DESCRIE	BE EQUIPM	ENT DECO	NTAMINATI	ON METH	OD BEFO	RE SAMPL	ING THE WELL:
☑ Glove	s 🗌 Alcono	x 🗌 Distil	led Water Ri	nse 🗆 (Other:		
DEPTH T HEIGHT (EPTH OF W O WATER: OF WATER AMETER:	COLUMN:	92.80 77.35 15.45 Inch	Feet			Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)
TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	рН	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.3	18.1	0.79	7.19		•	
	4.6	18.2	0.79	7.26	•		
	6.9	18.3	0.75	7.23			
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			L				
	LE NO.:	MW-3					
	•	BTEX 8260					
COM	MENTS:	Collected d	luplicate sam	ple DUP			

	CLIENT:	DC	P Midstre	am	_	WELL ID:	MW-4
S	ITE NAME:	X Line (Etcheverry	Ranch)	_	DATE:	12/18/2009
PRO	DJECT NO.				<u>.</u> s	SAMPLER:	A Taylor/M. Stewart
PURGING	METHOD:		☑ Hand Bai	led 🗌 Pu	ımp If Pur	тр, Туре:	Dedicated Bailer
SAMPLIN	IG METHOD	D:	☑ Dedicated	d Bailer	☐ Direct fr	om Discha	rge Hose Other:
DESCRIE	BE EQUIPM	ENT DECO	NTAMINATI	ON METH	OD BEFO	RE SAMPI	LING THE WELL:
☑ Glove	s 🗵 Alcono	x 🗵 Distill	led Water Ri	nse 🗌 (Other:		
DEPTH T HEIGHT (O WATER:	COLUMN: 2.0	93.40 77.46 15.94 Inch	Feet		7.8	Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)
TIME	VOLUME PURGED	TEMP. °C	COND. m S/cm	рН	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.3	18	0.63	7.49			
	4.6	18.1	0.62	7.52			
	6.9	18.1	0.62	7.53			
					-		
 							
					ļi		
SAMP	LE NO.:	MW-4			<u> </u>	<u> </u>	
		BTEX 8260)B				
	MENTS:				· ·		

	CLIENT:	DC	P Midstre	am	_	WELL ID:	MW-5
S	ITE NAME:	X Line (Etcheverry	Ranch)	_	DATE:	12/18/2009
				•		SAMPLER:	A Taylor/M. Stewart
PURGING	METHOD:		☑ Hand Bai	led 🗌 Pu	ımp If Pui	mp, Type:	Dedicated Bailer
SAMPLIN	G METHOD) ;	☑ Dedicated	d Bailer	☐ Direct fr	om Dischar	ge Hose Other:
DESCRIB	E EQUIPMI	ENT DECO	NTAMINATI	ON METH	OD BEFO	RE SAMPL	ING THE WELL:
☑ Glove	s 🗌 Alcono	x 🗌 Distil	led Water Ri	nse 🗌 (Other:		
DEPTH T HEIGHT (EPTH OF W O WATER: OF WATER AMETER:	COLUMN:	77.11 13.99	Feet			Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)
TIME	VOLUME PURGED	TEMP.	COND. m S/cm	рН	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.0	18.1	0.74	7.31			
	4.0	18.0	0.73	.7.36			
	6.0	18.1	0.72	7.36			
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SAMP	LE NO.:	MW-5	l				
ANAL	YSES:	BTEX 8260)B				
COM	MENTS:						
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	CLIENT:	DC	P Midstre	am	_	WELL ID:	MW-6
S	ITE NAME:	X Line (Etcheverry	Ranch)		DATE:	12/18/2009
PRO	JECT NO.				5		A Taylor/M. Stewart
	•				-		
PURGING	METHOD:		☑ Hand Bai	led 🗌 Pu	mp If Pui	mp, Type:	Dedicated Bailer
SAMPLIN	G METHOD	D:	☑ Dedicated	d Bailer	☐ Direct fr	om Discha	arge Hose
DESCRIB	E EQUIPM	ENT DECO	NTAMINATI	ON METH	OD BEFO	RE SAMP	LING THE WELL:
☑ Glove	s 🗌 Alcono	x 🗆 Distill	led Water Ri	nse 🗌 (Other:		
DEPTH T HEIGHT (O WATER: OF WATER		92.90 77.02 15.88 Inch	Feet		7.8	_Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)
TIME	VOLUME PURGED		COND. m S/cm	рН	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.2	18.3	0.60	7.43			
	4.6	18.4	0.60	7.40			
	6.8	18.3	0.61	7.37			
			<u> </u>	· · · · · · · · · · · · · · · · · · ·			
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]				L	· <u> </u>	
	LE NO.:	MW-6					
	YSES:	BTEX 8260)B				
COM	MENTS:						

	CLIENT:	DC	P Midstre	am	_	WELL ID:	MW-7
SI	TE NAME:	X Line (Etcheverry	Ranch)	-	DATE:	12/18/2009
PRO	JECT NO.		···		_	SAMPLER:	A Taylor/M. Stewart
PURGING	METHOD:		☑ Hand Bai	led 🗌 Pu	ımp If Pui	mp, Type:	Dedicated Bailer
SAMPLIN	G METHOD) :	☑ Dedicated	d Bailer	☐ Direct fr	om Dischar	ge Hose
DESCRIB	E EQUIPMI	ENT DECO	NTAMINATI	ON METH	OD BEFO	RE SAMPL	ING THE WELL:
☑ Glove:	s 🗌 Alcono	x 🗌 Distil	led Water Ri	nse 🗌 (Other:		
DEPTH TO HEIGHT (O WATER:	COLUMN:	87.40 76.61 10.79 Inch	Feet			Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)
TIME	VOLUME PURGED	TEMP.	COND. mS/cm	рН	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.4	18	0.65	7.55			
	2.8	18.2	0.65	7.50			
	4.2	18.2	0.65	7.53			
		<u> </u>					
		-					
					<u> </u>		
					<u> </u>		
	LE NO.:	MW-7			· · · · · · · · · · · · · · · · · · ·		
	•	BTEX 8260		10.0.45			
COM	MENTS:	Collected s	amples for N	/IS/MSD ev	/aluations		

	CLIENT:	DC	P Midstre	am	-	MELL ID	:IVIVV-8
S	ITE NAME:	X Line (Etcheverry	Ranch)	-	DATE	: 12/18/2009
PRO	OJECT NO.				. 5	SAMPLER	: A Taylor/M. Stewart
PURGING	G METHOD	:	☑ Hand Bai	led 🗌 Pu	mp If Pui	тр, Туре:	
SAMPLIN	IG METHO	D:	☑ Disposab	le Bailer	☐ Direct f	from Disch	narge Hose 🔲 Other:
DESCRIE	BE EQUIPM	ENT DECO	NTAMINATI	ON METH	OD BEFO	RE SAMP	LING THE WELL:
☑ Glove	es 🗌 Alcono	ox 🗌 Distil	led Water Ri	inse 🗌 (Other:		
DEPTH T HEIGHT	EPTH OF V O WATER: OF WATER AMETER:	COLUMN:	84.00 77.95 6.05 Inch	Feet		3.0	_ Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)
TIME	VOLUME PURGED		COND. mS/cm	рН	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.0	18.3	1.12	7.1			Bailed down
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	15.110	1			1		
	PLE NO.:	MW-8					
	LYSES:	BTEX 8260					
COM	MENTS:	Collected c	luplicate san	ipie			



01/03/10

Technical Report for

DCP Midstream, LLC

AECCOLI: X-Line

Accutest Job Number: T44623

Sampling Date: 12/18/09

Report to:

DCP Midstream, L.P. 370 17th Street Suite 2500 Denver, CO 80202

SWWeathers@dcpmidstream.com; mstewart@aecdenver.com

ATTN: Mr. Steve Weathers

Total number of pages in report: 26

Melac.

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 Canevaro Laboratory Director

Paul K Carrevaro

Client Service contact: Georgia Jones 713-271-4700

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.





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Sample Summary

DCP Midstream, LLC

AECCOLI: X-Line

Job No:

T44623

Sample Number	Collected Date	l Time By	Received	Matr Code		Client Sample ID
T44623-1	12/18/09	13:15	12/22/09	AQ	Ground Water	MW-1
T44623-2	12/18/09	13:10	12/22/09	AQ	Ground Water	MW-2
T44623-3	12/18/09	14:30	12/22/09	AQ	Ground Water	MW-3
T44623-4	12/18/09	14:15	12/22/09	AQ	Ground Water	MW-4
T44623-5	12/18/09	14:10	12/22/09	AQ	Ground Water	MW-5
T44623-6	12/18/09	13:35	12/22/09	AQ	Ground Water	MW-6
T44623-7	12/18/09	13:35	12/22/09	AQ	Ground Water	MW-7
T44623-7D	12/18/09	13:35	12/22/09	AQ	Water Dup/MSD	MW-7 MSD
T44623-7S	12/18/09	13:35	12/22/09	AQ	Water Matrix Spike	MW-7 MS
T44623-8	12/18/09	14:35	12/22/09	AQ	Ground Water	MW-8
T44623-9	12/18/09	00:00	12/22/09	AQ	Ground Water	DUP
T44623-10	12/18/09	00:00	12/22/09	AQ	Trip Blank Water	TRIP BLANK



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Sample Results		
Report of Analysis		

Report of Analysis

Page 1 of 1

Client Sample ID: MW-1

Lab Sample ID: T44623-1

File ID

Matrix:

AQ - Ground Water

Method:

SW846 8260B

Date Sampled: 12/18/09

Date Received: 12/22/09

Percent Solids: n/a

Project:

AECCOLI: X-Line

1

DF

Analyzed 12/28/09

Ву JĽ

Prep Date n/a

Prep Batch n/a

Analytical Batch

VZ2716

Run #1 Run #2

Purge Volume

Z0054794.D

Run #1 Run #2 $5.0 \, ml$

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7	Benzene Toluene Ethylbenzene Xylene (total)	ND ND ND ND	0.0020 0.0020 0.0020 0.0060	0.00050 0.00043 0.00055 0.0017	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	85% 97% 100% 87%	79-122% 75-121% 87-119% 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



Page 1 of 1

MW-2 Client Sample ID:

T44623-2 Lab Sample ID:

Matrix: Method:

Project:

AQ - Ground Water

SW846 8260B AECCOLI: X-Line Date Sampled: 12/18/09 Date Received: 12/22/09

Percent Solids: n/a

Run #1

File ID Z0054795.D DF 1

Analyzed 12/28/09

Ву JL

Prep Date n/a

Prep Batch n/a

Analytical Batch

VZ2716

Run #2

Purge Volume

Run #1 5.0 ml

Run #2

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7	Benzene Toluene Ethylbenzene Xylene (total)	ND ND 0.0086 0.0916	0.0020 0.0020 0.0020 0.0060	0.00050 0.00043 0.00055 0.0017	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limit	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	86% 95% 98% 85%		79-12 75-12 87-11 80-13	21% 9%	

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



Page 1 of 1

Client Sample ID: MW-3

Lab Sample ID: Matrix:

T44623-3 AQ - Ground Water

Method:

SW846 8260B

Date Sampled: 12/18/09

Date Received: 12/22/09

Percent Solids: n/a

Project:

AECCOLI: X-Line

DF

Prep Date

Prep Batch

Analytical Batch

Run #2

Run #1

Z0054796.D 1 Analyzed By 12/28/09 JL

n/a

n/a

VZ2716

Purge Volume

Run #1

5.0 ml

File ID

Run #2

P	ur	gea	ble	Ar	om	atı	cs

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7	Benzene Toluene Ethylbenzene Xylene (total)	ND ND ND ND	0.0020 0.0020 0.0020 0.0060	0.00050 0.00043 0.00055 0.0017	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limit	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane. 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	84% 98% 96% 87%		79-12 75-12 87-11 80-13	21% 9%	

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



By

JL

Page 1 of 1

MW-4 Client Sample ID: T44623-4

Lab Sample ID: Matrix:

AQ - Ground Water

Date Sampled: 12/18/09 Date Received: 12/22/09

Method:

SW846 8260B

Percent Solids: n/a

Project:

AECCOLI: X-Line

DF

1

Prep Date

n/a

Prep Batch n/a

Analytical Batch VZ2716

Run #2

Run #1

Purge Volume

Z0054797.D

Run #1

5.0 ml

File ID

Run #2

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7	Benzene Toluene Ethylbenzene Xylene (total)	ND ND ND ND	0.0020 0.0020 0.0020 0.0060	0.00050 0.00043 0.00055 0.0017	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	88% 99% 98% 89%		79-12 75-12 87-11 80-13	21% 19%	

Analyzed

12/28/09

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



By

JL

Page 1 of 1

Client Sample ID: MW-5

Lab Sample ID:

T44623-5

Matrix:

AQ - Ground Water

Method: Project:

SW846 8260B

Date Sampled: 12/18/09 Date Received: 12/22/09

Percent Solids: n/a

n/a

AECCOLI: X-Line

DF

1

Prep Date

n/a

Prep Batch

Analytical Batch VZ2716

Run #2

Run #1

Purge Volume

Z0054798.D

Run #1

5.0 ml

File ID

Run #2

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7	Benzene Toluene Ethylbenzene Xylene (total)	ND ND ND ND	0.0020 0.0020 0.0020 0.0060	0.00050 0.00043 0.00055 0.0017	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	85% 97% 100% 89%		79-12 75-12 87-11 80-13	21% 19%	

Analyzed

12/28/09

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



Page 1 of 1

MW-6 Client Sample ID:

Lab Sample ID:

Matrix:

Method:

T44623-6 AQ - Ground Water SW846 8260B

Project:

AECCOLI: X-Line

Date Sampled: 12/18/09

Date Received: 12/22/09

Percent Solids: n/a

File ID DF Ву Prep Batch Analytical Batch Analyzed Prep Date Z0054799.D VZ2716 12/28/09 JL Run #1 n/a n/a Run #2

Purge Volume

Run #1 5.0 ml

Run #2

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7	Benzene Toluene Ethylbenzene Xylene (total)	ND ND ND ND	0.0020 0.0020 0.0020 0.0060	0.00050 0.00043 0.00055 0.0017	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limit	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	85% 98% 99% 90%		79-12 75-12 87-11 80-13	21% .9%	

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







Ву

JL

Page 1 of 1

Client Sample ID: MW-7

Lab Sample ID: T44623-7

File ID

Matrix: Method: AQ - Ground Water SW846 8260B

Project:

AECCOLI: X-Line

DF

1

Date Sampled: 12/18/09

Date Received: 12/22/09

Percent Solids: n/a

Prep Date

n/a

Prep Batch Analytical Batch

n/a

VZ2716

Run #1 Run #2

Purge Volume

Z0054791.D

Run #1 5.0 ml

Run #2

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7	Benzene Toluene Ethylbenzene Xylene (total)	ND ND ND ND	0.0020 0.0020 0.0020 0.0060	0.00050 0.00043 0.00055 0.0017	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	86% 97% 97% 85%		79-12 75-12 87-11 80-13	.9%	

Analyzed

12/28/09

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



Page 1 of 1

Report of Analysis

Client Sample ID: MW-8 Lab Sample ID: T44623-8

Matrix: Method: AQ - Ground Water SW846 8260B

Project: AECCOLI: X-Line

Date Sampled: 12/18/09 Date Received: 12/22/09

Percent Solids: n/a

File ID DF Analyzed By Prep Date Prep Batch Analytical Batch Run #1 Z0054800.D 10 12/28/09 JL n/a n/a VZ2716

Run #2

Purge Volume

Run #1 5.0 ml

Run #2

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7	Benzene Toluene Ethylbenzene Xylene (total)	0.436 1.12 0.141 5.17	0.020 0.020 0.020 0.060	0.0050 0.0043 0.0055 0.017	mg/l mg/l mg/l mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	87% 94% 98% 91%		79-12 75-12 87-11 80-13	21% 19%	

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



Page 1 of 1

Client Sample ID: DUP

Lab Sample ID: T44623-9

Matrix:

AQ - Ground Water

Method: SW846 8260B Project:

AECCOLI: X-Line

Date Sampled: 12/18/09

Date Received: 12/22/09

Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0054802.D	1	12/28/09	JĽ	n/a	n/a	VZ2716
Run #2	X0058152.D	10	12/30/09	JL	n/a	n/a	VX402

Purge Volume

Run #1 5.0 ml Run #2 5.0 ml

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 108-88-3 100-41-4 1330-20-7	Benzene Toluene Ethylbenzene Xylene (total)	0.382 ^a 1.10 ^a 0.0872 5.30 ^a	0.020 0.020 0.0020 0.060	0.0050 0.0043 0.00055 0.017	mg/l mg/l mg/l mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	88% 86% 93% 123%	92% 84% 96% 80%	79-12 75-12 87-11 80-13	21% 9%	

(a) Result is from Run# 2

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 1

Client Sample ID: TRIP BLANK

Lab Sample ID:

T44623-10

AQ - Trip Blank Water

Ву

JĹ

Date Sampled: 12/18/09 Date Received: 12/22/09

Matrix: Method:

SW846 8260B

Percent Solids: n/a

Project:

AECCOLI: X-Line

File ID Z0054790.D Run #1

DF 1

Analyzed 12/28/09

Prep Date n/a

Prep Batch

Analytical Batch

n/a

VZ2716

Run #2

Purge Volume

5.0 ml

Run #1 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	Limit	ts	
1868-53-7	Dibromofluoromethane	85%		79-12	22%	
17060-07-0	1,2-Dichloroethane-D4	96%		75-12	21%	
2037-26-5	Toluene-D8	99 %		87-11	.9%	
460-00-4	4-Bromofluorobenzene	87%		80-13	3%	

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



• Chain of Custody





CHAIN OF CUSTODY

	ACCUTEST:																					Page of	
	Laboratories			•									FEO-EX	(Tracking#	-			Battle C	Irder Cant	tral #			_
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DCP Mids			DCP Midstream Xline							}			li						GW - Ground Water				
Project Cont			Bill to					Invalo	e Attn				1							- 1		WW - Wastewater	
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Address			Address										1	1 1		ll		[ll	- I	l l	SL - Sludge	
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City	City State Zip City Denver CO 80202						State	•				Zip	İ		İ] ,				LIQ - Liquid SOL - Other Solid	
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4	MW-4			215	GW	3	x					Τ	Х							\neg			Ī
5	MW-5			210	GW	3	×	T	T	П		Τ	x										_
6	MW-6			135	GW	3	×	T					х										
7	MW-7			135	GW	3	х						Х										
8	MW-8	12	18	ŽŠ	GW	3	x	\Box			J		х										
9	Dup	121	[18		GW	3	×						х										
7	MW-7 MS/MSD	12	18	155	GW	6	х	T			_		Х							$\neg \vdash$			
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T44623: Chain of Custody Page 1 of 4





CHAIN OF CUSTODY

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	Laboratories												FED-EX	Trucking	4			Bottle C	Order Co	ntrol#		
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DCP Mid			DCP M	idstream 2	Kline											- 1			l			GW - Ground Water
Project Con			BIII to					nvolce	Attn.				1	Ιİ			ł	ļ		ľi		WW - Wastewater
Stephen	Weathers SWWeathers@dcpmidstre	am.com	Same															1.	1	1		50 - Soit
Address			Address													i					l	St Skidge
	enteenth Street, Suite 2500																ł		l			01-01
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Denver Phone No.	Fax N		Phone No								Fax Na		4	1 1		1	ł					SOL - Other Solid
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STATE SERVICE	Turnaround Time (Business days)	Market Co.	esson salatistic	SECTION SU	Data	eliverable	a lefor	ration	estes	NATE:	2880.7/25	1.00 T. T. T.	- 5 - Francis	2/2012	attivestation of	agy		mments	/ Pamar	<u> </u>	Schiller	
	10 Day STANDARD Approved By:				nercial "A			TRRP-		Spirit Co.		- I SHIP	* THAN, 18.2	e-contractor		0.00		I MINCHES	riveriidi	· ND	162/02	Interest of the second
×	7 7 Day			_	nercial "B			EDD F						İ								
	4 day RUSH			_	ed Tier 1			Other_				_										
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	2 day EMERGENCY																					
	1 Day EMERGENCY			Commi	erciai "A"	= Result	s Only	,														
	Other 1			Commi	ercial "B"	≃ Result	s & St	andard	QC					<u> </u>			_	-1/	106	1		
	time analytical data available via Lablink																	//-	7	_		
	SAMPLE CUSTOD		OCUMENT	Received By:	ACH TIM	<u>c SAMPL</u>	ES C	IANGE	Retig			NCLUD	NG COL		LIVERY Date Time:	1 1		Receive	d Barrie	7	By Till Selection	22 to 7 / 24 70 0 15 15 15 16 1
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Relinquisi	hed by:	Date Time:		Received By:	-				Custo	ody S	eol #			Pruservo		pplicable	-	·		On Ic	e Coo	ilor Temp _j
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T44623: Chain of Custody Page 2 of 4



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SAMPLE INSPECTION FO	
Accutest Job Number: T44623 Client: DC M. J. Stream	Date/Time Received: 12/22/09
of Coolers Received: Thermometer #: /R(Termometer #: /R(mperature Adjustment Factor: $+0$, -9
Cooler Temps: #1: 2.6 #2: #3: #4: #5:	
Method of Delivery: FEDEX UPS Accutest Courier Greyhound	Delivery Other
Airbill Numbers: 8707 - 786 / -	8709 8619-0845
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 iabels missing or illegible ID on COC does not match label(s) Sample Bottles ricyd but no analysis on COC Sample D/T unclear or missing Analyses unclear or missing COC not properly executed Summary of Discrepancies: COC not properly executed COC not properl	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?
TECHNICIAN SIGNATURE/DATE: (1/2/6) INFORMATION AND SAMPLE LABELING VERIFIED BY: (2/80/0) • • • • • • • • • • • • • • • • • • •	Date:
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T44623: Chain of Custody Page 3 of 4



SAMPLE	RECEIPT	LOG
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	T44623		12/22/09	11:30
JOB #:		DATE/TIME RECEIVED:	12/2	
CLIENT:	DCP MIDSTREAM	INITIALS:	R	
	•			

COOLER#	SAMPLE ID	FIELD ID	, DAT		MA	TRIX	VOL	В	OTTLE#	LOCA	TION	PRE	SERV	P	Н
	(MW-1	17/18/09	115	V	/	Home	- 1	1-3	V	2	1 (2)	7 8	<2	>12
	2	MW-2	12/18/09	110								1 2 5 g	3 4 7 8	<2	>12
	3	MW-3	12/18/09	2:30								1 2		<2	>12
	4	MW-4	12/18/09	2.15								1 С Ф 5 В,	3 4 7 8	<2	>12
	5	MW-5	12/18/09	2:10								1 8	3 4	<2	>12
	6	MW-6	12/18/09	1:35	·				V			5 B 1 B 5 B	3 4 7 8	<2	>12
	7	MW-7	12/18/69	1:35			40ml	.	1-3			1 Q	3 4 7 8	<2	>12
		MW-7 M3/MSD	1					4	4-6			5 A 1 (2) 5 B	3 4 7 8	<2	>12
	8	MW-8.	12/18/09	2:35				- 1	- 3			1 Q	7 8	<2	>12
	9	DUP	12/18/09			1			1			1 9 5 A 1 Q	3 4 7 8	<2	>12
7	[0]	TRIP Blank	12/11/09	13;00		1	V		1-2	1	<u> </u>	1 (2) 5 8	3 4 7 8	<2	>12
												5 8		2	>12
						/						5 6		<2	>12
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	\swarrow											1 2	3 4 5 7 8	<2	>12
							 					5 (3 4 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 (Solis) VR: Volatile Fridge M: Metals SUB: Subcontract EF; Encore Freezer
Rev 8/13/01 even

T44623: Chain of Custody Page 4 of 4





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QC Data Summaries

Includes the following where applicable:

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



Method Blank Summary

Job Number: T44623

Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: X-Line

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2716-MB	Z0054789.D	1	12/28/09	JL	n/a	n/a	VZ2716
				_			

The QC reported here applies to the following samples:

Method: SW846 8260B

T44623-1, T44623-2, T44623-3, T44623-4, T44623-5, T44623-6, T44623-7, T44623-8, T44623-9, T44623-10

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 100-41-4 108-88-3 1330-20-7	Benzene Ethylbenzene Toluene Xylene (total)	ND ND ND ND	2.0 2.0 2.0 6.0	0.50 0.55 0.43 1.7	ug/l ug/l ug/l ug/l	
CAS No.	Surrogate Recoveries		Limits			
	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	85% 96% 94% 90%	79-1229 75-1219 87-1199 80-1339	% %		٠

Page 1 of 1

Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: X-Line

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX402-MB	X0058148.D	1	12/30/09	JL	n/a	n/a	VX402

The QC reported here applies to the following samples:

Method: SW846 8260B

T44623-9

CAS No.	Compound	Result	RL	MDL	Units Q
71-43-2 108-88-3 1330-20-7	Benzene Toluene Xylene (total)	ND ND ND	2.0 2.0 6.0	0.50 0.43 1.7	ug/l ug/l ug/l
CAS No.	Surrogate Recoveries		Limits		
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	86% 81% 97% 86%	79-122 75-121 87-119 80-133	% %	



Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: X-Line

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2716-BS	Z0054788.D	1	12/28/09	JL	n/a	n/a	VZ2716

The QC reported here applies to the following samples:

Method: SW846 8260B

T44623-1, T44623-2, T44623-3, T44623-4, T44623-5, T44623-6, T44623-7, T44623-8, T44623-9, T44623-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	19.6	78	76-118
100-41-4	Ethylbenzene	25	23.3	93	75-112
108-88-3	Toluene	25	22.8	91	77-114
1330-20-7	Xylene (total)	75	69.2	92	75-111
CAS No.	Surrogate Recoveries	BSP	Lii	mits	
1868-53-7	Dibromofluoromethane	82%	79	-122%	
17060-07-0	1,2-Dichloroethane-D4	92%	75	-121%	
2037-26-5	Toluene-D8	94%	87	-119%	
460-00-4	4-Bromofluorobenzene	89%	80	-133%	



Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: X-Line

Sample	File ID	DF	Analyzed 12/30/09	By	Prep Date	Prep Batch	Analytical Batch
VX402-BS	X0058146.D	1		JL	n/a	n/a	VX402

The QC reported here applies to the following samples:

Method: SW846 8260B

T44623-9

CAS No.	Compound	Spike ug/l	BSP ug/1	BSP %	Limits
71-43-2	Benzene	25	27.3	109	76-118
108-88-3	Toluene	25	27.9	112	77-114
1330-20-7	Xylene (total)	75	72.5	97	75-111
CAS No.	Surrogate Recoveries	BSP	Lim	its	
1868-53-7	Dibromofluoromethane	93%	79-122%		
17060-07-0	1,2-Dichloroethane-D4	82%	75-121%		
2037-26-5	Toluene-D8	97%	87-119%		
460-00-4	4-Bromofluorobenzene	81%	80-133%		



Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T44623

Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: X-Line

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T44623-7MS	Z0054792.D	1	12/28/09	JĽ	n/a	n/a	VZ2716
T44623-7MSD	Z0054793.D	1	12/28/09	JL	n/a	n/a	VZ2716
T44623-7	Z0054791.D	1	12/28/09	JL	n/a	n/a	VZ2716

The QC reported here applies to the following samples:

Method: SW846 8260B

T44623-1, T44623-2, T44623-3, T44623-4, T44623-5, T44623-6, T44623-7, T44623-8, T44623-9, T44623-10

CAS No.	Compound	T44623-7 ug/l Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2 100-41-4 108-88-3 1330-20-7	Benzene Ethylbenzene Toluene Xylene (total)	ND ND ND ND	25 25 25 75	19.0 21.2 21.6 66.2	76 85 86 88	18.9 22.2 21.5 67.8	76 89 86 90	1 5 0 2	76-118/16 75-112/12 77-114/12 75-111/12
CAS No.	Surrogate Recoveries	MS	MSD	T44	1623-7	Limits			
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	84% 92% 93% 85%	82% 90% 95% 86%	86% 97% 97% 85%	6	79-1229 75-1219 87-1199 80-1339	6 6		

Page 1 of 1

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T44623

Account: DUKE DCP Midstream, LLC

Project: AECCOLI: X-Line

Sample	File ID	1	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T44636-36MS	X0058150.D		12/30/09	JL	n/a	n/a	VX402
T44636-36MSD	X0058151.D		12/30/09	JL	n/a	n/a	VX402
T44636-36	X0058149.D		12/30/09	JL	n/a	n/a	VX402

The QC reported here applies to the following samples:

Method: SW846 8260B

T44623-9

CAS No.	Compound	T44636-36 ug/l Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2 108-88-3 1330-20-7	Benzene Toluene Xylene (total)	18.4 ND ND	25 25 75	43.9 28.0 71.4	102 112 95	43.3 27.6 70.7	100 110 94	1 1 1	76-118/16 77-114/12 75-111/12
CAS No.	Surrogate Recoveries	MS	MSD	T44	1636-36	Limits			
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	103% 94% 97% 86%	102% 94% 96% 87%	969 859 989 909	6 6	79-122% 75-121% 87-119% 80-133%	о́ о́		



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