AP – 055

1st QTR GW Results

YEAR(S): 2009

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

June 2, 2009

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

RE: 1st Quarter 2009 Groundwater Results
DCP Midstream, LP RR Ext. Pipeline Release (AP #55)
Unit C, Section 19, Township 20 South, Range 37 East
Lea County, New Mexico

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review, one copy of the 1st Quarter 2009 Groundwater Results for the DCP RR Ext. Pipeline Release located in Lea County, New Mexico (Unit C, Section 19, Township 20 South, Range 37 East).

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

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC

May 26, 2009

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

Re: First Quarter 2009 Groundwater Monitoring Report
RR Ext Pipeline Release
Unit C, Section 19 Township 20 South, Range 37 East (AP #55)

Dear Mr. Weathers:

This letter report summarizes the first quarter 2009 groundwater monitoring event that was completed on March 11, 2009 at the DCP Midstream (DCP) RR Ext Site (Figure 1). The well locations are shown on Figure 2. All eight monitoring wells were purged and sampled.

SUMMARY OF GROUNDWATER MONITORING ACTIVITIES

The construction information for the wells is summarized in Table 1. The wells were first purged to equilibration using dedicated bailers based on the field parameters of temperature, pH and conductivity. They were then sampled for benzene, toluene, ethylbenzene, xylenes (BTEX) and chlorides. A field duplicate from MW-2 and a matrix spike/matrix spike duplicate (MS/MSD) from MW-6 were also collected to evaluate quality control. All affected purge water was disposed of at the DCP Linam Ranch facility.

The water gauging data are summarized in Table 2. Well hydrographs are plotted on Figure 3. Figure 3 demonstrates that the water table behaved in a similar fashion across the site indicating that uniform groundwater conditions are present. The exception was MW-1, which exhibited more recovery than the other wells. This increase may have been related to its proximity to the historic remediation excavation (now filled). The measured water table elevations were also used to generate a groundwater contour map using the Surfer program with a kriging option. This map is included as Figure 4. Groundwater continues to flow toward the south-southeast.

The quality control evaluation can be summarized as follows:

- The method blanks were all within their control limits;
- The blank spikes were all within their control limits;
- The individual sample surrogates results were within the method ranges;
- The matrix spike and matrix spike duplicate values were acceptable.
- The RPD for benzene for MW-2 exhibited poor agreement but the sample was impacted. The RPD for toluene for MW-2 was substantially better.

The above results indicate that the data are suitable for evaluation for a routine groundwater monitoring program.

The sampling data is included in Table 3. A summary of the field parameters and a copy of the laboratory report are attached. The New Mexico Water Quality Control Commission (NMWQCC) groundwater standards are included at the top of the table. Wells MW-1, MW-2, MW-3, MW-4 and MW-8 exceeded the benzene standard. Wells MW-2, MW-3 and MW-4 exceeded the toluene standard. Wells MW-2 and MW-4 exceeded the total xylenes standard. There were no exceedences in wells MW-5, MW-6 and MW-7.

Figure 5 shows the benzene concentrations for the first quarter 2009. All of the BTEX data collected for this project is summarized in Table 4. Figure 6 graphs the benzene concentration verses time for MW-1, MW-2, MW-3, MW-4, and MW-5. The concentrations of benzene in MW-3, MW-4, and MW-5 have increased since the fourth quarter 2008 event. The concentration of benzene increased slightly in MW-2 since the third quarter of 2008 (MW-2 could not be sampled during the fourth quarter 2008 event due to remediation activities). The concentration of benzene decreased in MW-1.

The samples were also submitted for chlorides analysis. Chloride data are summarized in Table 5. The chloride concentrations verses time are shown on Figure 7. All of the concentrations declined with the exception of MW-8. The difference between the rising benzene trends and falling chlorides trends in MW-2, MW-3, MW-4, and MW-5 indicates that chlorides were likely not a constituent in the original DCP release.

RECOMMENDATIONS

AEC believes that the recently completed soils remediation activities should stabilize and eventually reduce the extent of the dissolved phase hydrocarbon plume but it will take time for the indications of these changes to appear. AEC therefore recommends postponing any additional investigative activities until after the second quarter 2009 data have been collected and assessed.

The next sampling event will be completed during the second quarter of 2009. Do not hesitate to contact me if you have any questions or comments on this document.

Respectfully Submitted,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Arthur Taylor
Environmental Scientist

Reviewed by:

Michael H. Stewart, P.E., C.P.G.
Principal Engineer

attachments

TABLES

Table 1 – Summary of Well Construction at the DCP RR Ext Location

Well	Date Installed	Stickup	Total Depth (ground)	Screen Interval (ground)	Sand Interval
MW-1	3/08	2.06	37.5	17.5-37.5	16-37.5
MW-2	3/08	2.41	37.5	17.5-37.5	16-37.5
MW-3	3/08	2.53	37.5	17.5-37.5	16-37.5
MW-4	3/08	3.16	37.5	17.5-37.5	16-37.5
MW-5	3/08	2.15	37.5	17.5-37.5	16-37.5
MW-6	6/08	2.18	37.5	17.5-37.5	16-37.5
MW-7	6/08	2.36	37.5	17.5-37.5	16-37.5
MW-8	6/08	2.76	37.5	17.5-37.5	16-37.5

Notes: Units are feet
All wells are 2-inch diameter
Wells were grouted to the surface with hydrated bentonite pellets and completed with above-ground well protectors

Table 2 - Summary of First Quarter 2009 Water Table Data

Well	Depth to Water	Water Table Elevation
MW-1	29.27	3505.30
MW-2	30.26	3504.92
MW-3	31.51	3505.06
MW-4	30.51	3504.69
MW-5	31.22	3504.70
MW-6	31.58	3504.58
MW-7	32.31	3504.78
MW-8	31.19	3505.22

Units are Feet

Table 3 - RR Ext First Quarter 2009 Groundwater Sampling Results

Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Total Xylenes	Chlorides
NMWQCC Standards	.010	0.75	0.75	0.62	250*
MW-1	**0.288**	0.107	0.0149	0.0395	**432**
MW-2	**23.7**	**2.34**	0.583	**1.25**	114
MW-2 Dup	**4.07**	**1.91**	0.268 J	0.49 J	114
MW-3	**4.03**	**2.83**	0.18 J	0.61	**273**
MW-4	**3.61**	**3.4**	0.164 J	**0.831**	**229**
MW-5	0.0067	0.0074	<0.002	<0.006	**288**
MW-6	<0.002	<0.002	<0.002	<0.006	**298**
MW-7	<0.002	<0.002	<0.002	<0.006	**283**
MW-8	**0.0218**	0.0066	<0.002	<0.006	**472**
TRIP BLANK	<0.002	<0.002	<0.002	<0.006	--

Notes: Units mg/l
NMWQCC Standards New Mexico Water Quality Control Commission Groundwater Standards
J qualifier: Estimated value that falls between the method detection and method reporting limits
Bold values exceed the New Mexico Water Quality Control Commission Groundwater Standards
* The chloride is a secondary (non-health based) standard.

Table 4 - RR Ext BTEX Groundwater Monitoring Results Summary

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
WQCC Standards		.010	0.75	0.75	0.62
MW-1	3/08	**1.4**	**0.948**	0.0395	0.128
	6/08	**2.75**	**2.17**	0.054	0.232
	9/08	**1.1**	**0.845**	0.0375	0.131
Dup	9/08	**1.22**	**0.883**	0.0506	0.197
	12/08	**0.869**	0.581	0.0385	0.0709
	3/09	**0.288**	0.107	0.0149	0.0395
MW-2	3/08	**8.98**	**6.58**	0.135J	**0.765**
Dup	3/08	**10**	**7**	0.156J	**0.93**
	6/08	**24.3**	**18.5**	0.319	**2.58**
Dup	6/08	**23.5**	**19.2**	0.309	**2.36**
	9/08	**21.7**	**9.79**	0.443	**4.25**
	12/08	Not sampled: Remediation activities			
	3/09	**23.7**	**2.34**	0.583	**1.25**
Dup	3/09	**4.07**	**1.91**	0.268 J	0.49 J
MW-3	3/08	**0.759**	**0.849**	0.0355	0.0786
	6/08	**6.18**	**9.46**	0.287	**1.23**
	9/08	**2.45**	**3.62**	0.145	**1.14**
	12/08	**0.761**	**0.938**	0.0492	0.158
	3/09	**4.03**	**2.83**	0.18 J	0.61
MW-4	3/08	**0.0102**	0.0093	<0.002	0.0023J
	6/08	**0.0439**	0.0256	0.0068	0.0147
	9/08	**0.514**	0.443	0.0203	0.125
	12/08	**1.32**	**1.35**	0.0812	0.239J
	3/09	**3.61**	**3.4**	0.164 J	**0.831**

Notes: Units mg/l
NMWQCC Standards New Mexico Water Quality Control Commission Groundwater Standards
J qualifiers indicate an estimated concentration between the method detection and method reporting limits.
Bold values exceed the New Mexico Water Quality Control Commission Groundwater Standards

Table 4 - RR Ext BTEX Groundwater Monitoring Results Summary (continued)

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
WQCC Standards		.010	0.75	0.75	0.62
MW-5	3/08	0.0019J	0.0012J	<0.002	<0.006
	6/08	0.0037	0.0037	<0.002	<0.006
	9/08	0.0038	0.0037	<0.002	<0.006
	12/08	0.0031	0.004	<0.002	<0.006
	3/09	0.0067	0.0074	<0.002	<0.006
MW-6	6/08	<0.002	<0.002	<0.002	<0.006
	9/08	<0.002	<0.002	<0.002	<0.006
	12/08	<0.002	<0.002	<0.002	<0.006
	3/09	<0.002	<0.002	<0.002	<0.006
MW-7	6/08	<0.002	<0.002	<0.002	<0.006
	9/08	<0.002	<0.002	<0.002	<0.006
	12/08	<0.002	<0.002	<0.002	<0.006
	3/09	<0.002	<0.002	<0.002	<0.006
MW-8	6/08	**0.0384**	0.0255	0.00049J	0.0016J
	9/08	**0.0301**	0.0161	<0.002	0.002 J
	12/08	**0.0233**	0.011	<0.002	<0.006
Dup	12/08	**0.0122**	0.006	<0.002	<0.006
	3/09	**0.0218**	0.0066	<0.002	<0.006

Notes: Units mg/l
NMWQCC Standards New Mexico Water Quality Control Commission Groundwater Standards
J qualifiers are not included
Bold values exceed the New Mexico Water Quality Control Commission Groundwater Standards

Table 5 - RR Ext Chlorides Groundwater Monitoring Results Summary

Client ID	9/08	12/08	3/09
	Chlorides	Chlorides	Chlorides
MW-1	507	447	432
MW-2	109	NS	114
MW-3	363	301	273
MW-4	318	281	229
MW-5	373	318	288
MW-6	363	325	298
MW-7	378	348	283
MW-8	512	393	472

Notes: Units are mg/l

FIGURES

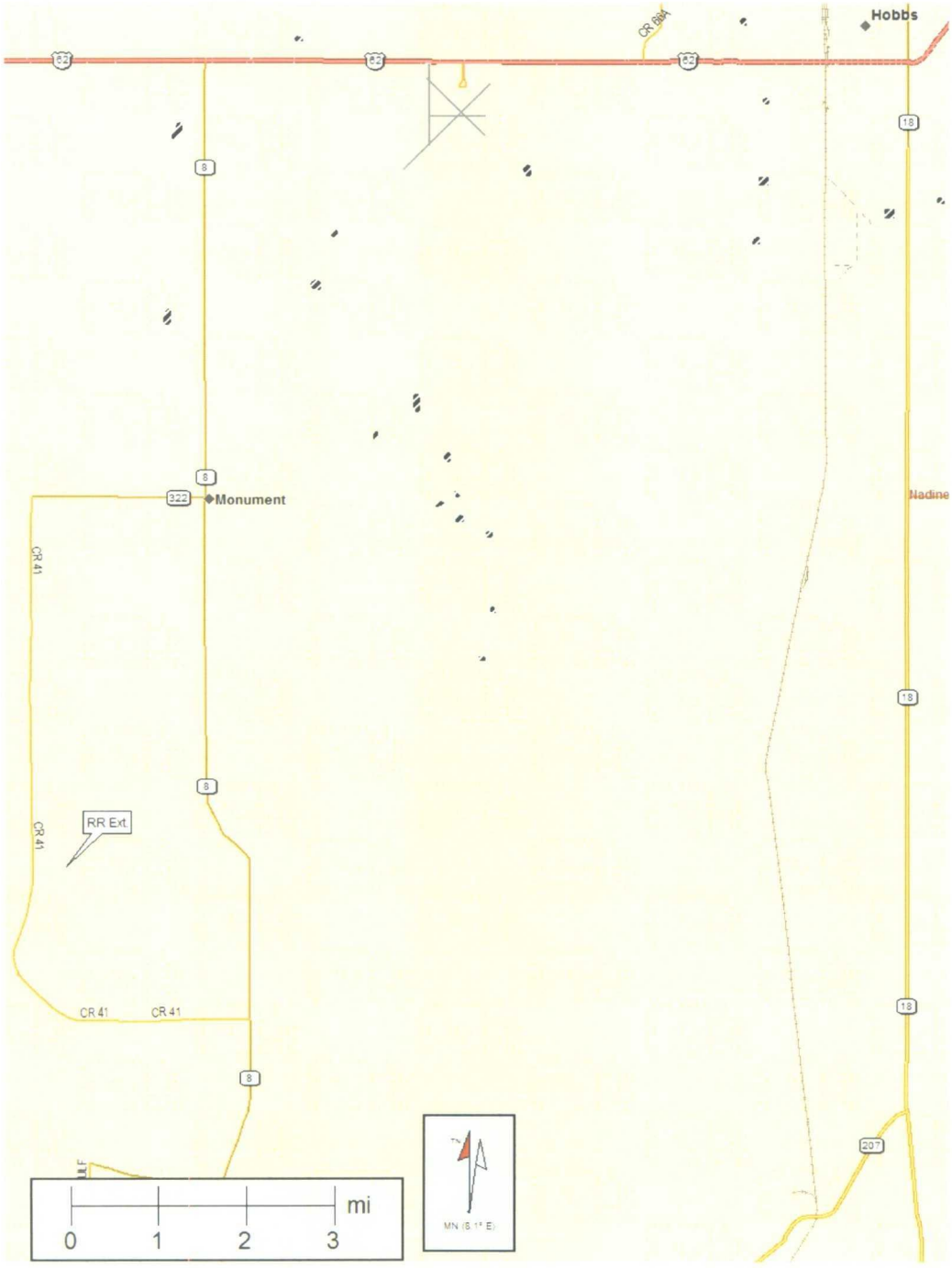

Figure 1 – Site Location
RR Ext. AP #55

dcp Midstream

DRAWN BY: MHS
REVISED:
DATE: 5/06

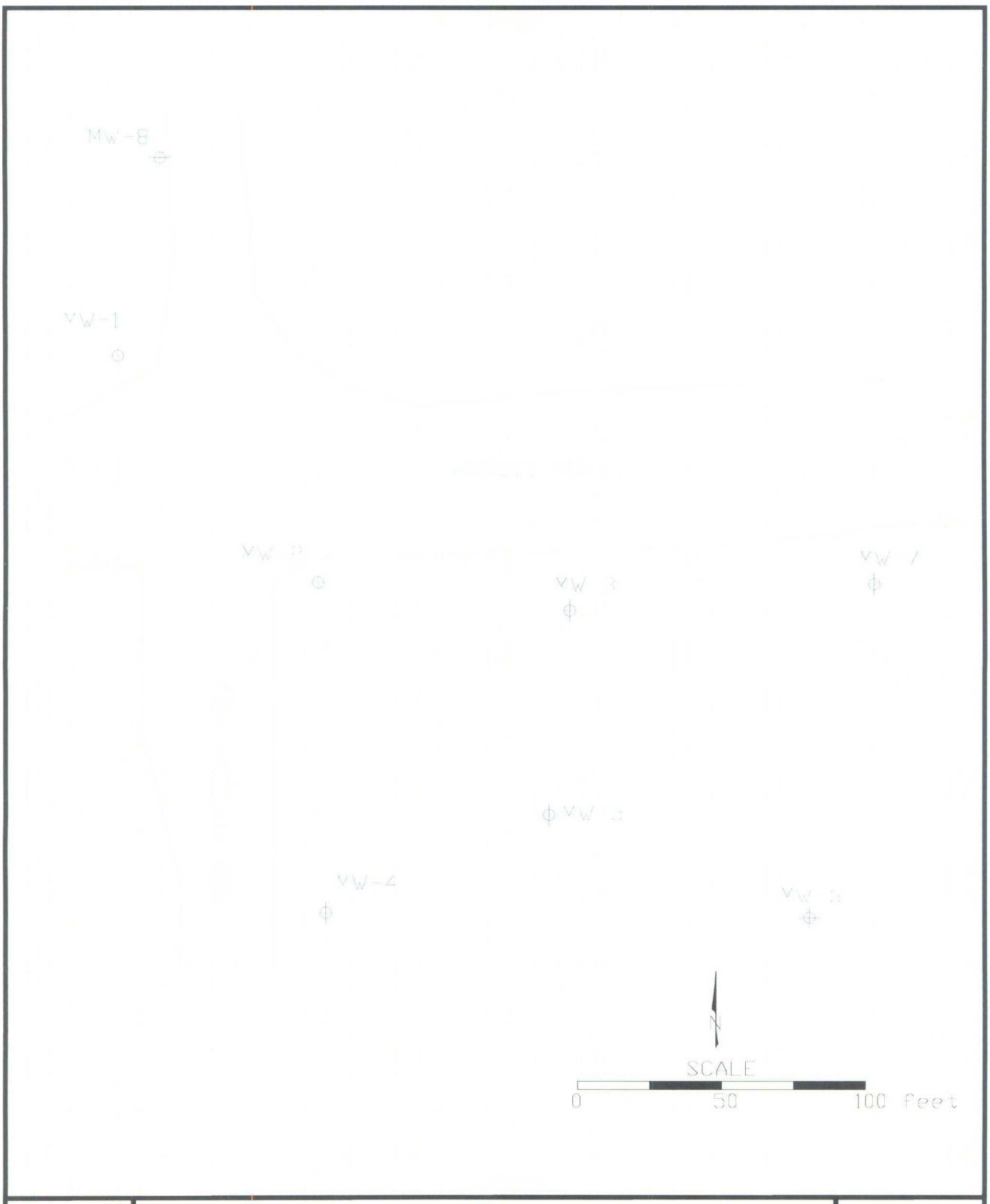

Figure 2 – Monitoring Well Locations
RR Ext. AP #55

dcp Midstream.

DRAWN BY: MHS
REVISED:
DATE: 1/09

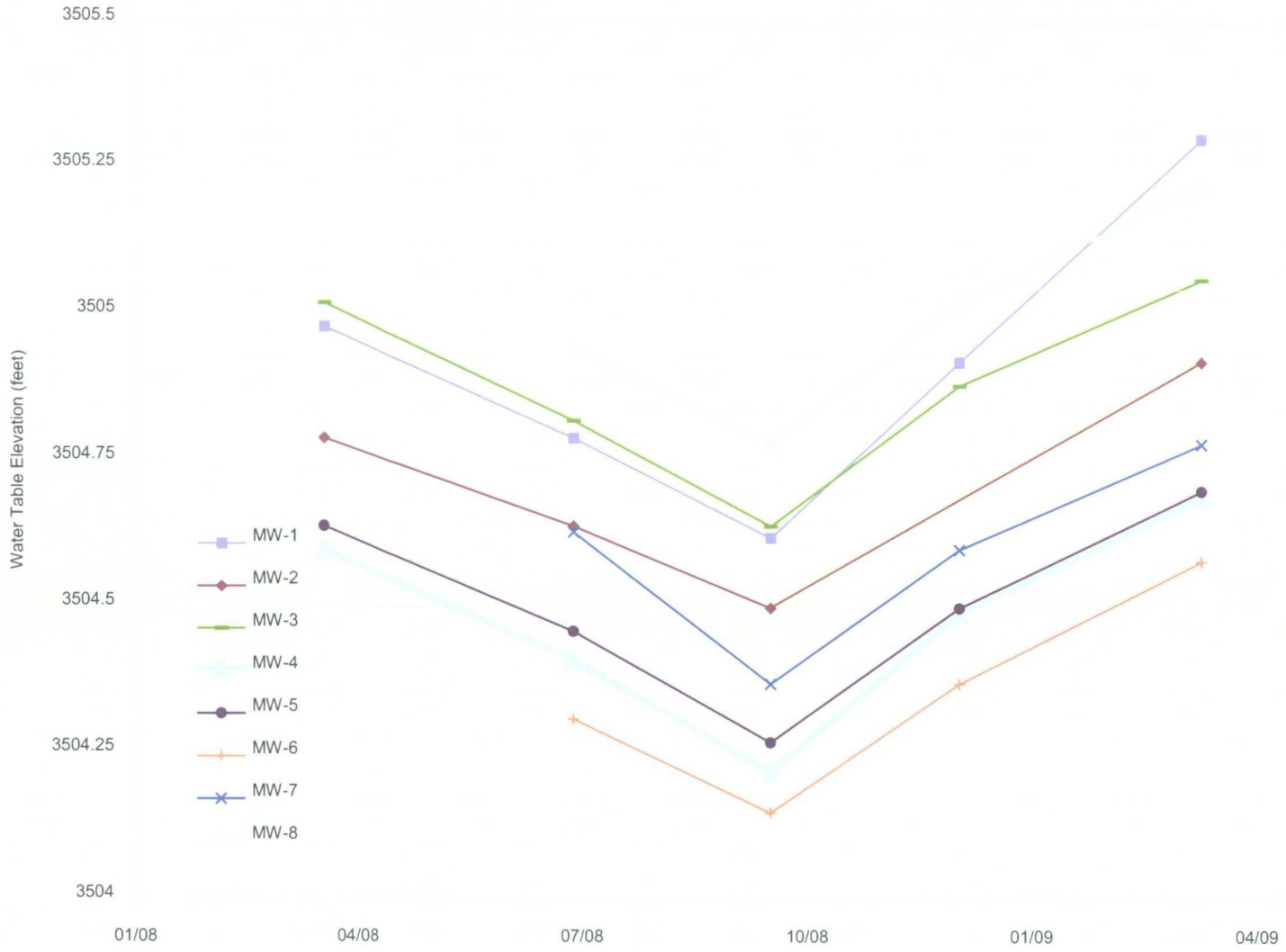

Figure 3 – Monitoring Well Hydrographs

RR EXT AP #55

dcp Midstream.

DRAWN BY: MHS

DATE: 4/09

Contour interval is 0.1 feet

Figure 4 – First Quarter 2009 Water Table Contours
RR Ext. AP #55

dcp Midstream

DRAWN BY:	MHS
REVISED:	
DATE:	4/09

Units are MG/L
MW-2 Duplicate values averaged

Figure 5 – First Quarter 2009 Benzene Concentrations
RR Ext. AP #55

dcp Midstream

DRAWN BY:	MHS
REVISED:	
DATE:	4/09

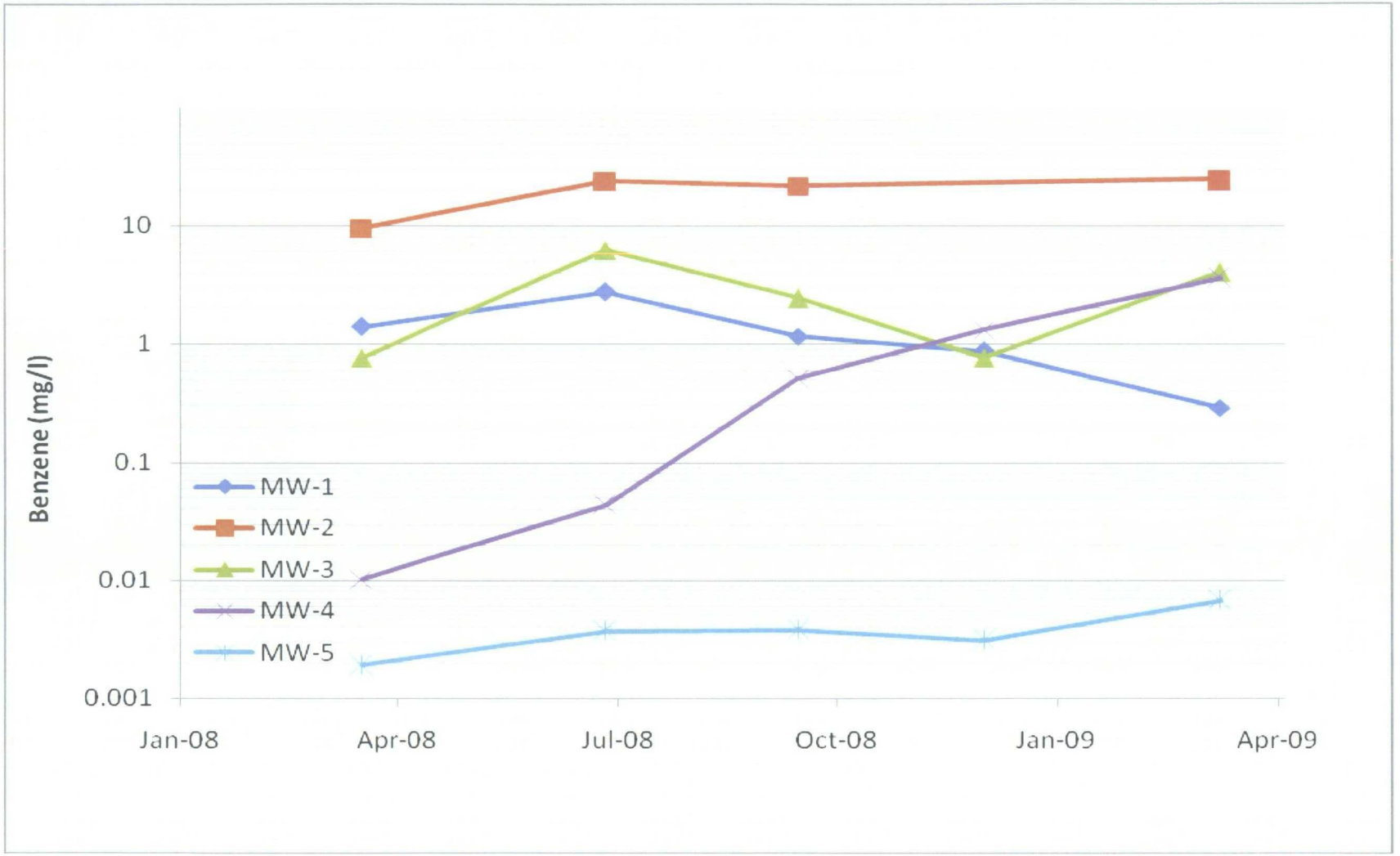

Figure 6 – Benzene Concentrations Verses Time

RR EXT AP #55

dcp Midstream.

DRAWN BY: MHS

DATE: 4/09

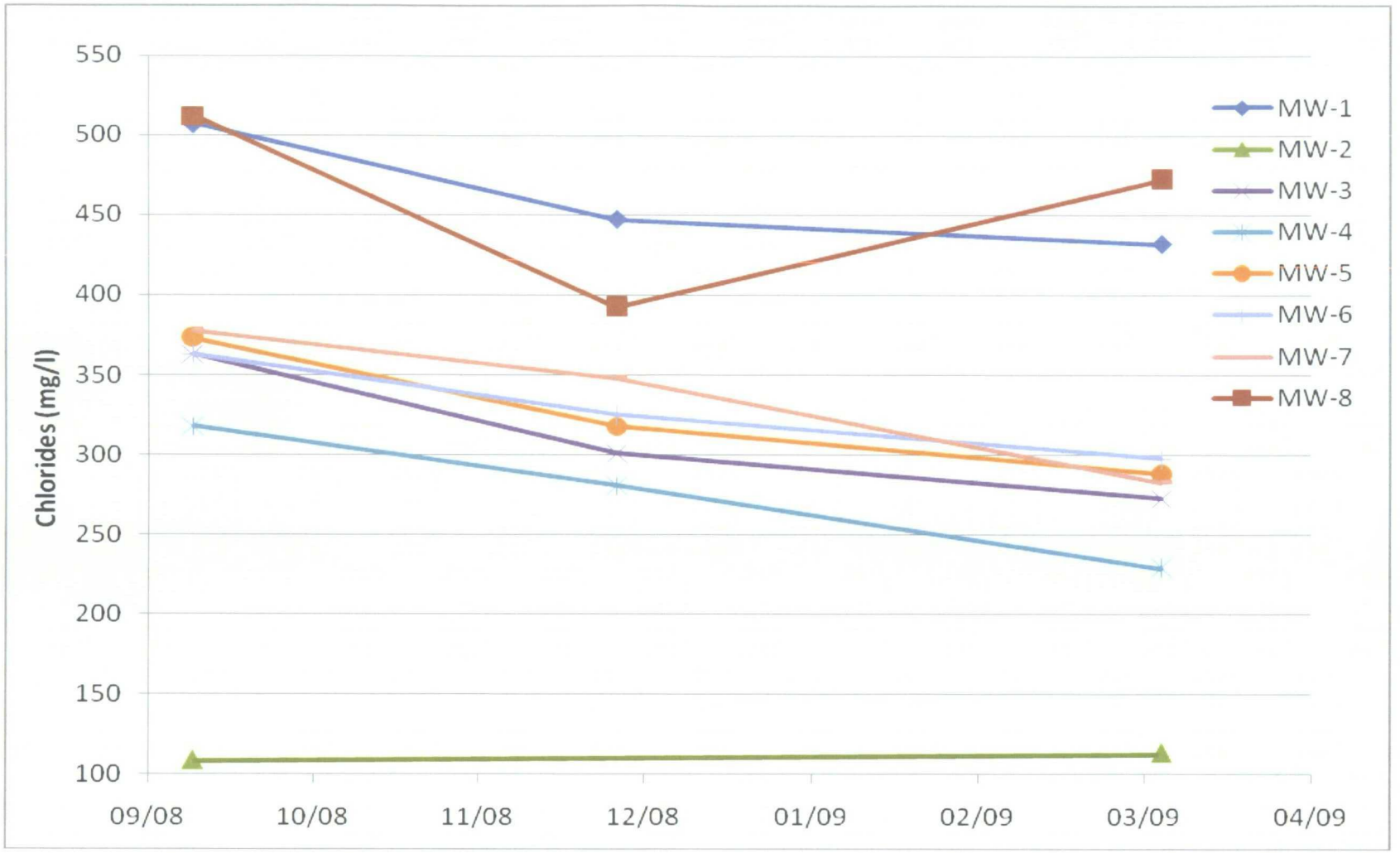

Figure 7 – Chloride Concentrations Verses Time

RR EXT AP #55

dcp Midstream

DRAWN BY: MHS

DATE: 4/09

ATTACHMENT

WELL SAMPLING DATA AND
ANALYTICAL LABORATORY REPORT

ATTACHMENT

WELL SAMPLING DATA AND
ANALYTICAL LABORATORY REPORT

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-1

SITE NAME: RR-EXT DATE: 3/11/2009

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

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

SAMPLING METHOD: ☑ Dedicated Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

TOTAL DEPTH OF WELL: 39.56 Feet
DEPTH TO WATER: 29.27 Feet
HEIGHT OF WATER COLUMN: 10.29 Feet
WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.7	--	--	--			
	3.4	--	--	--			
705	5.1	15.5	2.43	7.42			
5.1	Volume: (gallons)						

SAMPLE NO.: Collected Sample No.: MW-1

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-2

SITE NAME: RR-EXT DATE: 3/11/2009

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

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

SAMPLING METHOD: ☑ Dedicated Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

TOTAL DEPTH OF WELL: 39.91 Feet
DEPTH TO WATER: 30.26 Feet
HEIGHT OF WATER COLUMN: 9.65 Feet
WELL DIAMETER: 2.0 Inch

4.8 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	--	--	--			
	3.2	--	--	--			
635	4.8	15.4	1.15	7.54			
4.8	Volume: (gallons)						

SAMPLE NO.: Collected Sample No.: MW-2

ANALYSES: BTEX (8260)

COMMENTS: Collected duplicate sample DUP

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-3

SITE NAME: RR-EXT DATE: 3/11/2009

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

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

SAMPLING METHOD: ☑ Dedicated Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

TOTAL DEPTH OF WELL: 40.03 Feet
DEPTH TO WATER: 31.51 Feet
HEIGHT OF WATER COLUMN: 8.52 Feet
WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.5	--	--	--			
	3.0	--	--	--			
635	4.5	16.6	2.00	7.36			

4.5 Volume: (gallons)

SAMPLE NO.: Collected Sample No.: MW-3

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-4

SITE NAME: RR-EXT DATE: 3/11/2009

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

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

SAMPLING METHOD: ☑ Dedicated Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

TOTAL DEPTH OF WELL: 40.66 Feet
DEPTH TO WATER: 30.51 Feet
HEIGHT OF WATER COLUMN: 10.15 Feet
WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.7	17.7	1.54	7.44			
	3.4	17.5	1.70	7.44			
545	5.1	17.3	1.68	7.44			
5.1	Volume: (gallons)						

SAMPLE NO.: Collected Sample No.: MW-4

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-5

SITE NAME: RR-EXT DATE: 3/11/2009

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

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

SAMPLING METHOD: ☑ Dedicated Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

TOTAL DEPTH OF WELL: 42.15 Feet
DEPTH TO WATER: 31.22 Feet
HEIGHT OF WATER COLUMN: 10.93 Feet
WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.5	17.4	1.89	7.43			
	3.0	17.4	1.90	7.48			
550	4.5	17.4	1.90	7.51			
	4.5	Volume: (gallons)					

SAMPLE NO.: Collected Sample No.: MW-5

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-6

SITE NAME: RR-EXT DATE: 3/11/2009

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

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

SAMPLING METHOD: ☑ Dedicated Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

TOTAL DEPTH OF WELL: 39.68 Feet

DEPTH TO WATER: 31.58 Feet

HEIGHT OF WATER COLUMN: 8.10 Feet

WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.5	16.9	1.87	7.48			
	3.0	17.5	1.84	7.47			
610	4.5	17.7	1.84	7.45			
4.5	Volume: (gallons)						

SAMPLE NO.: Collected Sample No.: MW-6

ANALYSES: BTEX (8260)

COMMENTS: Collected matrix spike/matrix spike duplicate

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-7

SITE NAME: RR-EXT DATE: 3/11/2009

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

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

SAMPLING METHOD: ☑ Dedicated Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

TOTAL DEPTH OF WELL: 39.86 Feet
DEPTH TO WATER: 32.31 Feet
HEIGHT OF WATER COLUMN: 7.55 Feet
WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.3	15.9	2.1	7.51			
	2.6	17.3	2.08	7.44			
610	3.9	17.6	2.06	7.45			
	3.9	Volume: (gallons)					

SAMPLE NO.: Collected Sample No.: MW-7

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-8

SITE NAME: RR-EXT DATE: 3/11/2009

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

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

SAMPLING METHOD: ☑ Dedicated Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

TOTAL DEPTH OF WELL: 40.26 Feet

DEPTH TO WATER: 31.19 Feet

HEIGHT OF WATER COLUMN: 9.07 Feet

WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.5	16	2.4	7.44			
	3.0	16.8	2.44	7.48			
705	4.5	17.3	2.45	7.46			
	4.5	Volume: (gallons)					

SAMPLE NO.: Collected Sample No.: MW-8

ANALYSES: BTEX (8260)

COMMENTS: _____

Gulf Coast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/20/09

Technical Report for

DCP Midstream, LLC

AECCOLI: DCP Midstream RR Ext

Accutest Job Number: T26008

Sampling Date: 03/11/09

Report to:

American Environmental Consulting

mstewart@aecdenver.com

ATTN: Mike Stewart

Total number of pages in report: 45

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.

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Sample Summary

DCP Midstream, LLC

Job No: T26008

AECCOLI: DCP Midstream RR Ext

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
T26008-1	03/11/09	19:05 MS	03/13/09	AQ	Ground Water	MW-1
T26008-2	03/11/09	18:35 MS	03/13/09	AQ	Ground Water	MW-2
T26008-3	03/11/09	18:35 MS	03/13/09	AQ	Ground Water	MW-3
T26008-4	03/11/09	17:45 MS	03/13/09	AQ	Ground Water	MW-4
T26008-5	03/11/09	17:50 MS	03/13/09	AQ	Ground Water	MW-5
T26008-6	03/11/09	18:10 MS	03/13/09	AQ	Ground Water	MW-6
T26008-6D	03/11/09	18:10 MS	03/13/09	AQ	Water Dup/MSD	MW-6 MSD
T26008-6S	03/11/09	18:10 MS	03/13/09	AQ	Water Matrix Spike	MW-6 MS
T26008-7	03/11/09	18:10 MS	03/13/09	AQ	Ground Water	MW-7
T26008-8	03/11/09	19:05 MS	03/13/09	AQ	Ground Water	MW-8
T26008-9	03/11/09	00:00 MS	03/13/09	AQ	Ground Water	DUP
T26008-10	03/11/09	00:00 MS	03/13/09	AQ	Trip Blank Water	TRIP BLANK

Sample Results

Report of Analysis

Accutest LabLink@36403 11:57 20-Apr-2009

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	T26008-1	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014767.D	1	03/16/09	RR	n/a	n/a	VF3320
Run #2	Y0031072.D	10	03/16/09	RR	n/a	n/a	VY2085

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

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.288 [a]	0.020	0.0046	mg/l	
108-88-3	Toluene	0.107	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.0149	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0395	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	97%	79-122%
17060-07-0	1,2-Dichloroethane-D4	100%	93%	75-121%
2037-26-5	Toluene-D8	104%	102%	87-119%
460-00-4	4-Bromofluorobenzene	109%	97%	80-133%

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	T26008-1	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
		Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	432	10	mg/l	10	03/18/09 10:00	KD	SM 4500 CL C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	T26008-2	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014763.D	100	03/16/09	RR	n/a	n/a	VF3320
Run #2	F014835.D	200	03/17/09	RR	n/a	n/a	VF3323

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

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	23.7 [a]	0.40	0.092	mg/l	
108-88-3	Toluene	2.34	0.20	0.048	mg/l	
100-41-4	Ethylbenzene	0.583	0.20	0.045	mg/l	
1330-20-7	Xylene (total)	1.25	0.60	0.14	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	104%	79-122%
17060-07-0	1,2-Dichloroethane-D4	109%	107%	75-121%
2037-26-5	Toluene-D8	108%	100%	87-119%
460-00-4	4-Bromofluorobenzene	113%	107%	80-133%

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	T26008-2	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
		Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	114	10	mg/l	10	03/18/09 10:00	KD	SM 4500 CL C

RL = Reporting Limit

Accutest LabLink@36403 11:57 20-Apr-2009

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	T26008-3	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0031073.D	100	03/16/09	RR	n/a	n/a	VY2085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4.03	0.20	0.046	mg/l	
108-88-3	Toluene	2.83	0.20	0.048	mg/l	
100-41-4	Ethylbenzene	0.180	0.20	0.045	mg/l	J
1330-20-7	Xylene (total)	0.610	0.60	0.14	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		79-122%
17060-07-0	1,2-Dichloroethane-D4	92%		75-121%
2037-26-5	Toluene-D8	102%		87-119%
460-00-4	4-Bromofluorobenzene	100%		80-133%

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

Accutest LabLink@36403 11:57 20-Apr-2009

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	T26008-3	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
		Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	273	10	mg/l	10	03/18/09 10:00	KD	SM 4500 CL C

RL = Reporting Limit

Accutest LabLink@36403 11:57 20-Apr-2009

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	T26008-4	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0031074.D	100	03/16/09	RR	n/a	n/a	VY2085
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	3.61	0.20	0.046	mg/l	
108-88-3	Toluene	3.40	0.20	0.048	mg/l	
100-41-4	Ethylbenzene	0.164	0.20	0.045	mg/l	J
1330-20-7	Xylene (total)	0.831	0.60	0.14	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		79-122%
17060-07-0	1,2-Dichloroethane-D4	93%		75-121%
2037-26-5	Toluene-D8	102%		87-119%
460-00-4	4-Bromofluorobenzene	102%		80-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	T26008-4	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
		Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	229	10	mg/l	10	03/18/09 10:00	KD	SM 4500 CL C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	T26008-5	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0048759.D	1	03/16/09	RR	n/a	n/a	VZ2436
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	0.0067	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.0074	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	93%		79-122%
17060-07-0	1,2-Dichloroethane-D4	91%		75-121%
2037-26-5	Toluene-D8	93%		87-119%
460-00-4	4-Bromofluorobenzene	78%		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

2.5 (2)

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	T26008-5	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
		Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	288	10	mg/l	10	03/18/09 10:00	KD	SM 4500 CL C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	T26008-6	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014760.D	1	03/16/09	RR	n/a	n/a	VF3320
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	104%		79-122%
17060-07-0	1,2-Dichloroethane-D4	109%		75-121%
2037-26-5	Toluene-D8	103%		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-6		
Lab Sample ID:	T26008-6	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
		Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	298	10	mg/l	10	03/18/09 10:00	KD	SM 4500 CL C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	T26008-7	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0048761.D	1	03/16/09	RR	n/a	n/a	VZ2436
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	88%		79-122%
17060-07-0	1,2-Dichloroethane-D4	87%		75-121%
2037-26-5	Toluene-D8	92%		87-119%
460-00-4	4-Bromofluorobenzene	74%		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

2.7 2

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	T26008-7	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
		Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	283	10	mg/l	10	03/18/09 10:00	KD	SM 4500 CL C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	T26008-8	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z0048760.D	1	03/16/09	RR	n/a	n/a	VZ2436
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	0.0218	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.0066	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	89%		79-122%
17060-07-0	1,2-Dichloroethane-D4	90%		75-121%
2037-26-5	Toluene-D8	94%		87-119%
460-00-4	4-Bromofluorobenzene	76%		80-133%

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

Accutest LabLink@36403 11:57 20-Apr-2009

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	T26008-8	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
		Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	472	10	mg/l	10	03/18/09 10:00	KD	SM 4500 CL C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	T26008-9	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014833.D	200	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	4.07	0.40	0.092	mg/l	
108-88-3	Toluene	1.91	0.40	0.097	mg/l	
100-41-4	Ethylbenzene	0.268	0.40	0.091	mg/l	J
1330-20-7	Xylene (total)	0.490	1.2	0.27	mg/l	J

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	107%		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:	T26008-9	Date Sampled:	03/11/09
Matrix:	AQ - Ground Water	Date Received:	03/13/09
		Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	114	10	mg/l	10	03/18/09 10:00	KD	SM 4500 CL C

RL = Reporting Limit

Accutest LabLink@36403 11:57 20-Apr-2009

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T26008-10	Date Sampled:	03/11/09
Matrix:	AQ - Trip Blank Water	Date Received:	03/13/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream RR Ext		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F014758.D	1	03/16/09	RR	n/a	n/a	VF3320
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	110%		75-121%
2037-26-5	Toluene-D8	106%		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

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 # T26008

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 RR EXT

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	NaOH	HNO3	H2SO4	EnCore	NaHSO4	MeOH	None	BTEX 8260B	Chlorides	LAB USE ONLY
1	MW-1	3/11/09	705	GW										X	X	
2	MW-2	3/11/09	635	GW	3									X	X	
3	MW-3	3/11/09	635	GW	3									X	X	
4	MW-4	3/11/09	545	GW	3									X	X	
5	MW-5	3/11/09	550	GW	3									X	X	
6	MW-6	3/11/09	610	GW	3									X	X	
7	MW-7	3/11/09	610	GW	3									X	X	
8	MW-8	3/11/09	705	GW	3									X	X	
9	Dup	3/11/09	000	GW	3									X	X	
10	MW- MS/MSD	3/11/09	610	GW	3									X		

Turnaround Time (Business days)

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

Real time analytical data available via Lablink

Data Deliverable Information

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

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

Comments / Remarks

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1	2		2
Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp.
5 FEDEX	3.12.09 0900	5		☐	☒ 2.4

3.1

T26008: Chain of Custody
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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 # T26008

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 RR EXT
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	MeOH	HNO3	H2SO4	EnCore	NaHSO4	NaOH	None	BTEX 8260B	Chlorides	LAB USE ONLY
10	Trip Blank	3/11/09	Lab	WTB	Lab									X		

Turnaround Time (Business days)

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

Real time analytical data available via Lablink

Data Deliverable Information

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

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

Comments / Remarks

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1	2		2
Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by: FEDEX	Date Time: 3.13.09 0900	Received By: 5	Custody Seal #	Preserved where applicable ☐	On Ice: R	Cooler Temp.: 2.4

3.1 (3)

T26008: Chain of Custody
Page 2 of 4

SAMPLE INSPECTION FORM

Accutest Job Number: T26008 Client: DCP Midstream Date/Time Received: 3.13.09 0900

# of Coolers Received: 1 Thermometer #: IR1 Temperature Adjustment Factor: -.4

Cooler Temps: #1: 2.4 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____

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

Airbill Numbers: 867047979188

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

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

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

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

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

Summary of Discrepancies:

TECHNICIAN SIGNATURE/DATE: [signature] 3.13.09

INFORMATION AND SAMPLE LABELING VERIFIED BY: GJR 3/13/9

CORRECTIVE ACTIONS

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

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

Client Instructions:

i:\mwalker\forms\samplemanagement

3.1 (3)

T26008: Chain of Custody
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SAMPLE RECEIPT LOG

JOB #: T26008 DATE/TIME RECEIVED: 3-13-09 0900

CLIENT: DCP Midstream INITIALS: IT

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH	
1	1	MW-1	3-11-09 705	GW	500mL	1	III	(6) 2 3 4 5 6 7 8	<2	>12
↓	↓	↓	↓	↓	40mL	2-4	VR	1 (2) 3 4 5 6 7 8	<2	>12
	2	MW-2	635		500mL	1	III	(1) 2 3 4 5 6 7 8	<2	>12
	↓	↓	↓		40mL	2-4	VR	1 (2) 3 4 5 6 7 8	<2	>12
	3	MW-3	625		500mL	1	III	(1) 2 3 4 5 6 7 8	<2	>12
	↓	↓	↓		40mL	2-4	VR	1 (2) 3 4 5 6 7 8	<2	>12
	4	MW-4	545		500mL	1	III	(1) 2 3 4 5 6 7 8	<2	>12
	↓	↓	↓		40mL	2-4	VR	1 (3) 3 4 5 6 7 8	<2	>12
	5	MW-5	550		500mL	1	III	(1) 2 3 4 5 6 7 8	<2	>12
	↓	↓	↓		40mL	2-4	VR	1 (2) 3 4 5 6 7 8	<2	>12
	6	MW-6	610		500mL	1-2	III	(1) 2 3 4 5 6 7 8	<2	>12
	↓	↓	↓		40mL	3-8	VR	1 (2) 3 4 5 6 7 8	<2	>12
	7	MW-7	610		500mL	1	III	(1) 2 3 4 5 6 7 8	<2	>12
	↓	↓	↓		40mL	2-4	VR	1 (2) 3 4 5 6 7 8	<2	>12
	8	MW 8	705		500mL	1	III	(1) 2 3 4 5 6 7 8	<2	>12
	↓	↓	↓		40mL	2-4	VR	1 (2) 3 4 5 6 7 8	<2	>12
	9	DUP	3-11-09		500mL	1	III	(1) 2 3 4 5 6 7 8	<2	>12
	↓	↓	↓	↓	40mL	2-4	VR	1 (2) 3 4 5 6 7 8	<2	>12
↓	10	Trip Blank	—	DI	40mL	1-2	↓	1 (2) 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12

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

3.1 (3)

T26008: Chain of Custody
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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF3320-MB	F014757.D	1	03/16/09	RR	n/a	n/a	VF3320

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

T26008-1, T26008-2, T26008-6, T26008-10

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	106%	75-121%
2037-26-5	Toluene-D8	107%	87-119%
460-00-4	4-Bromofluorobenzene	111%	80-133%

Method Blank Summary

Job Number: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2436-MB	Z0048752.D	1	03/16/09	RR	n/a	n/a	VZ2436

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

T26008-5, T26008-7, T26008-8

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	94%	79-122%
17060-07-0	1,2-Dichloroethane-D4	87%	75-121%
2037-26-5	Toluene-D8	96%	87-119%
460-00-4	4-Bromofluorobenzene	84%	80-133%

Method Blank Summary

Job Number: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2085-MB	Y0031071.D	1	03/16/09	RR	n/a	n/a	VY2085

4.1.4

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

T26008-1, T26008-3, T26008-4

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	97%	79-122%
17060-07-0	1,2-Dichloroethane-D4	90%	75-121%
2037-26-5	Toluene-D8	102%	87-119%
460-00-4	4-Bromofluorobenzene	97%	80-133%

Method Blank Summary

Job Number: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

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

T26008-2, T26008-9

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: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF3320-BS	F014755.D	1	03/16/09	RR	n/a	n/a	VF3320

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

T26008-1, T26008-2, T26008-6, T26008-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	22.9	92	76-118
100-41-4	Ethylbenzene	25	22.2	89	75-112
108-88-3	Toluene	25	22.1	88	77-114
1330-20-7	Xylene (total)	75	67.1	89	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	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	99%	80-133%

Blank Spike Summary

Job Number: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2436-BS	Z0048749.D	1	03/16/09	RR	n/a	n/a	VZ2436

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

T26008-5, T26008-7, T26008-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.4	102	76-118
100-41-4	Ethylbenzene	25	24.4	98	75-112
108-88-3	Toluene	25	24.6	98	77-114
1330-20-7	Xylene (total)	75	68.4	91	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	116%	79-122%
17060-07-0	1,2-Dichloroethane-D4	112%	75-121%
2037-26-5	Toluene-D8	122%*	87-119%
460-00-4	4-Bromofluorobenzene	96%	80-133%

Blank Spike Summary

Job Number: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2085-BS	Y0031069.D	1	03/16/09	RR	n/a	n/a	VY2085

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

T26008-1, T26008-3, T26008-4

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	22.6	90	75-112
108-88-3	Toluene	25	23.4	94	77-114
1330-20-7	Xylene (total)	75	66.8	89	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	79-122%
17060-07-0	1,2-Dichloroethane-D4	93%	75-121%
2037-26-5	Toluene-D8	105%	87-119%
460-00-4	4-Bromofluorobenzene	96%	80-133%

Blank Spike Summary

Job Number: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

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

T26008-2, T26008-9

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: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T26008-6MS	F014761.D	1	03/16/09	RR	n/a	n/a	VF3320
T26008-6MSD	F014762.D	1	03/16/09	RR	n/a	n/a	VF3320
T26008-6	F014760.D	1	03/16/09	RR	n/a	n/a	VF3320

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

T26008-1, T26008-2, T26008-6, T26008-10

CAS No.	Compound	T26008-6 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	23.8	95	2	76-118/16
100-41-4	Ethylbenzene	ND		25	23.4	94	22.9	92	2	75-112/12
108-88-3	Toluene	ND		25	23.1	92	22.6	90	2	77-114/12
1330-20-7	Xylene (total)	ND		75	70.3	94	68.9	92	2	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T26008-6	Limits
1868-53-7	Dibromofluoromethane	107%	105%	104%	79-122%
17060-07-0	1,2-Dichloroethane-D4	115%	109%	109%	75-121%
2037-26-5	Toluene-D8	105%	104%	103%	87-119%
460-00-4	4-Bromofluorobenzene	103%	103%	108%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T26016-49MS	Y0031076.D	1	03/16/09	RR	n/a	n/a	VY2085
T26016-49MSD	Y0031077.D	1	03/16/09	RR	n/a	n/a	VY2085
T26016-49	Y0031075.D	1	03/16/09	RR	n/a	n/a	VY2085

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

T26008-1, T26008-3, T26008-4

CAS No.	Compound	T26016-49 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	23.7	95	23.4	94	1	76-118/16
100-41-4	Ethylbenzene	ND		25	23.0	92	22.9	92	0	75-112/12
108-88-3	Toluene	ND		25	23.7	95	23.3	93	2	77-114/12
1330-20-7	Xylene (total)	ND		75	66.9	89	66.5	89	1	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T26016-49	Limits
1868-53-7	Dibromofluoromethane	98%	98%	98%	79-122%
17060-07-0	1,2-Dichloroethane-D4	94%	94%	89%	75-121%
2037-26-5	Toluene-D8	107%	105%	102%	87-119%
460-00-4	4-Bromofluorobenzene	94%	94%	97%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T26011-3MS	Z0048763.D	1	03/16/09	RR	n/a	n/a	VZ2436
T26011-3MSD	Z0048764.D	1	03/16/09	RR	n/a	n/a	VZ2436
T26011-3	Z0048762.D	1	03/16/09	RR	n/a	n/a	VZ2436

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

T26008-5, T26008-7, T26008-8

CAS No.	Compound	T26011-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	25.7	103	25.5	102	1	76-118/16
100-41-4	Ethylbenzene	ND		25	24.4	98	22.9	92	6	75-112/12
108-88-3	Toluene	ND		25	24.0	96	21.9	88	9	77-114/12
1330-20-7	Xylene (total)	ND		75	66.8	89	64.3	86	4	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T26011-3	Limits
1868-53-7	Dibromofluoromethane	92%	92%	90%	79-122%
17060-07-0	1,2-Dichloroethane-D4	94%	92%	87%	75-121%
2037-26-5	Toluene-D8	95%	91%	93%	87-119%
460-00-4	4-Bromofluorobenzene	69%* [a]	70%* [a]	74%*	80-133%

(a) Outside control limits biased low. There were no target compounds assciated with this surrogate.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T26008
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

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

T26008-2, T26008-9

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%

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T26008
Account: DUKE - DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP6173/GN16280	1.0	0.0	mg/l	1000	1010	100.6	92-107%

Associated Samples:
Batch GP6173: T26008-1, T26008-2, T26008-3, T26008-4, T26008-5, T26008-6, T26008-7, T26008-8, T26008-9
(*) Outside of QC limits

5.1

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T26008
Account: DUKE - DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP6173/GN16280	T26008-6	mg/l	298	293	1.7	0-5%

Associated Samples:
Batch GP6173: T26008-1, T26008-2, T26008-3, T26008-4, T26008-5, T26008-6, T26008-7, T26008-8, T26008-9
(*) Outside of QC limits

5.2

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T26008
Account: DUKE - DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP6173/GN16280	T26008-6	mg/l	298	100	412	114.3	81-119%

Associated Samples:
Batch GP6173: T26008-1, T26008-2, T26008-3, T26008-4, T26008-5, T26008-6, T26008-7, T26008-8, T26008-9
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

5.3