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

September 1, 2011

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

RE: 2nd Quarter 2011 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 2nd Quarter 2011 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

August 26, 2011

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

Re: Summary of Second Quarter 2011 Groundwater Monitoring Activities
DCP Midstream RR Ext Pipeline Release
Unit C, Section 19 Township 20 South, Range 37 East (AP #55)

Dear Mr. Weathers:

This report summarizes the second quarter 2011 groundwater monitoring activities that were completed at the DCP Midstream (DCP) RR Ext Site (Figure 1). The approximate site coordinates are 32.5624 north, 103.2923 west.

The work was completed on June 22, 2010. The well locations are shown on Figure 2. The well construction information is summarized in Table 1. The fluid levels were measured at each well prior to purging to check for free phase hydrocarbons (FPH) and to calculate the casing volumes. Wells MW-3, MW-4, MW-5, MW-9 and MW-10 contained FPH so they were not purged and sampled.

The remaining 11 wells were first purged to equilibration based on the field parameters of temperature, pH and conductivity using dedicated bailers. They were then sampled for benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method SW846 8260B and for chlorides using Method SM 4500 CL C. A field duplicate sample from MW-2 and matrix spike/matrix spike duplicate (MS/MSD) samples 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. The water-table elevations for the wells containing FPH were adjusted using the following formula:

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

- MGWE is the actual measured groundwater elevation;
- PT is the measured free-phase hydrocarbon thickness; and
- PD is the free phase hydrocarbon density (assumed 0.75)

All of the adjusted water-table elevation data are attached. Well hydrographs are plotted on Figure 3 for MW-1 to MW-8. Figure 3 indicates that the water table elevations decreased in wells MW-1, MW-2, MW-6, MW-7 and MW-8 on the north side of the property while increasing in MW-3, MW-4 and MW-5 in the central part of the area. The water table remains elevated relative to its historic readings.

The FPH thickness data for MW-3, MW-4, MW-5, MW-9 and MW-10 are summarized in Table 3 and plotted on Figure 4. The FPH thickness decreased in all wells except MW-10. The FPH level in MW-10 rebounded but the overall thickness appears to be decreasing.

The measured water table elevations from all sixteen wells were used to generate a groundwater contour map (Figure 5). The recently-installed wells provided better definition of the groundwater flow direction and gradient. The groundwater flow direction is to the southeast. This flow direction establishes MW-8, MW-14 and MW-15 as up-gradient wells, MW-13 as a cross-gradient wells, and MW-6, MW-7, MW-11, MW-12 and MW-16 as down-gradient boundary wells. The groundwater gradient appears to be both shallow and consistent across the study area.

The sampling data are summarized in Table 4. The measured field parameters and a copy of the laboratory report are attached. The quality control evaluation data can be summarized as follows:

- The analyses were all completed within the required holding times.
- The method blank results were all within their control limits.
- The blank spike data were all within their control limits.
- The individual sample surrogates results were within the method ranges.
- The matrix spike/matrix spike duplicates for MW-6 were within their control ranges.
- The detected-constituent differences between the MW-1 primary and duplicate samples were all less than 11.7 percent.

The above results indicate that the data are suitable for evaluation for groundwater monitoring purposes.

The New Mexico Water Quality Control Commission (NMWQCC) groundwater standards are included at the top of Table 4. The results can be summarized as follows:

1. There is FPH present in MW-3, MW-4, MW-5, MW-9 and MW-10.
2. There were no BTEX detections above the method reporting limits in wells MW-6, MW-7, MW-8, MW-11, MW-12 MW-13, MW-14, MW-15 and MW-16.
3. Wells MW-1 and MW-2 exceeded the benzene standard but not the toluene, ethylbenzene and xylene standards.

Figure 6 posts the benzene concentrations and locations of the wells that contained FPH for the sampling event. Comparison of these values to the groundwater flow pattern shown in Figure 5 demonstrates that the dissolved phase BTEX plume attenuates to below the both the NMWQCC standards and the method reporting limits before encountering the down-gradient boundary wells.

All of the BTEX data collected for this project are attached to this report. Figure 7 graphs the benzene concentration verses time for wells MW-1 and MW-2. The concentration in MW-1 appears to have substantially declined after the fourth quarter of 2010 even with the rebound exhibited between the first and second 2011 quarters. The concentration in MW-2 has also exhibited a gradual decline since the fourth quarter of 2009.

The chloride data are summarized in Table 5. The chloride concentrations are plotted verses time on Figure 8. The graphs indicate that the chloride values appear to be stabilizing. Figure 9 shows the chlorides concentrations for this event. The concentrations all lie within a narrow range between 290 and 520 mg/l. There is no evidence of a chloride source associated with the DCP pipeline release that triggered this project.

CONCLUSIONS AND RECOMMENDATIONS

AEC concludes that the dissolved-phase BTEX plume boundaries have been delineated. No additional wells need to be installed.

Also, the data suggests that the FPH thickness is decreasing naturally. The current FPH thickness is now below 1.0 feet in four of the five wells making it difficult to removal of substantial volumes of FPH. AEC recommends continued FPH measurement and evaluation on a quarterly basis.

The next sampling event will be completed during the third quarter of 2011. Do not hesitate to contact me if you have any questions or comments on this document.

Respectfully Submitted,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

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	Total Depth (ground)	Sand Interval	Screen Interval (ground)
MW-1	3/08	37.5	16-37.5	17.5-37.5
MW-2	3/08	37.5	16-37.5	17.5-37.5
MW-3	3/08	37.5	16-37.5	17.5-37.5
MW-4	3/08	37.5	16-37.5	17.5-37.5
MW-5	3/08	37.5	16-37.5	17.5-37.5
MW-6	6/08	37.5	16-37.5	17.5-37.5
MW-7	6/08	37.5	16-37.5	17.5-37.5
MW-8	6/08	37.5	16-37.5	17.5-37.5
MW-9	6/10	38	16-38	18-38
MW-10	6/10	38	16-38	18-38
MW-11	6/10	38	16-38	18-38
MW-12	6/10	38	16-38	18-38
MW-13	1/11	40	17.5-40	20-40
MW-14	1/11	41	19-41	21-41
MW-15	1/11	41.3	18-41.3	20.3-40.3
MW-16	1/11	41.4	17.5-41.4	21.4-41.4

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 Second Quarter 2011 Gauging Data

Well	Depth to Water	Depth to Product	FPH Thickness	Water Table Elevation
MW-1	29.16			3505.41
MW-2	29.91			3505.27
MW-3	31.45	31.01	0.44	3505.45
MW-4	30.40	30.01	0.39	3505.09
MW-5	31.14	30.71	0.43	3505.10
MW-6	31.21			3504.95
MW-7	31.95			3505.14
MW-8	30.89			3505.52
MW-9	29.38	28.50	0.88	3505.48
MW-10	29.97	28.60	1.37	3505.27
MW-11	31.10			3505.09
MW-12	29.31			3505.16
MW-13	30.46			3505.62
MW-14	29.59			3505.37
MW-15	29.90			3505.00
MW-16	28.74			3504.94

Units are Feet

Table 3 - Free Phase Hydrocarbon Thickness Summary

Well	MW-3	MW-4	MW-5	MW-9	MW-10
03/19/08	0.00	0.00	0.00		
06/29/08	0.00	0.00	0.00		
09/17/08	0.00	0.00	0.00		
12/03/08	0.00	0.00	0.00		
05/19/09	0.00	0.00	0.00		
09/23/09	0.00	1.00	0.00		
12/20/09	0.00	1.88	0.00		
03/22/10	0.00	1.71	0.27		
06/30/10	0.94	1.56	1.62	1.33	1.10
09/28/10	0.91	0.58	1.28	1.20	1.60
12/09/10	0.77	1.06	1.07	1.10	1.47
03/30/11	0.48	0.55	0.45	1.03	0.90
06/22/11	0.44	0.39	0.43	0.88	1.37

Units are Feet
Blank cell: Well not installed

Table 4 - RR Ext Second Quarter 2011 Groundwater Sampling Results

Well	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Chlorides
NMWQCC Standards	0.010	0.75	0.75	0.62	250
MW-1	**0.0735**	<0.01	0.0293	<0.02	467
MW-2	**9.21**	0.231	0.377	<0.4	370
MW-2 DUP	**8.62**	0.217	0.393	<0.4	329
MW-6	<0.001	<0.002	<0.002	<0.004	376
MW-7	<0.001	<0.002	<0.002	<0.004	390
MW-8	<0.001	<0.002	<0.002	<0.004	524
MW-11	<0.001	<0.002	<0.002	<0.004	405
MW-12	<0.001	<0.002	<0.002	<0.004	497
MW-13	<0.001	<0.002	<0.002	<0.004	340
MW-14	<0.001	<0.002	<0.002	<0.004	494
MW-15	<0.001	<0.002	<0.002	<0.004	297
MW-16	<0.001	<0.002	<0.002	<0.004	292
Trip Blank	<0.001	<0.002	<0.002	<0.004	

Units mg/l
NMWQCC Standards New Mexico Water Quality Control Commission Groundwater Standards
Bold values exceed the New Mexico Water Quality Control Commission Groundwater Standards
J: Estimated concentration between the method detection limit and the reporting limit
Wells MW-3, MW-4, MW-5, MW-9 and MW-10 contained free phase hydrocarbons and were not sampled

Table 5 - RR Ext Chlorides Groundwater Monitoring Results Summary

Well	9/08	12/08	3/09	5/09	9/09	12/09	3/10
MW-1	507	447	432	462	422	363	800
MW-2	109	NS	114	109	139	199	700
MW-3	363	301	273	313	363	398	440
MW-4	318	281	229	226	FPH	FPH	FPH
MW-5	373	318	288	363	358	313	FPH
MW-6	363	325	298	308	296	393	700
MW-7	378	348	283	298	273	328	750
MW-8	512	393	472	450	477	472	800

Well	6/10	9/10	12/10	3/11	6/11
MW-1	510	442	448	457	467
MW-2	233	263	278	320	350
MW-3	FPH	FPH	FPH	FPH	FPH
MW-4	FPH	FPH	FPH	FPH	FPH
MW-5	FPH	FPH	FPH	FPH	FPH
MW-6	402	337	359	386	376
MW-7	385	326	345	382	390
MW-8	553	486	533	529	524
MW-9	532*	FPH	FPH	FPH	FPH
MW-10	656*	FPH	FPH	FPH	FPH
MW-11	407	365	383	406	405
MW-12	514	464	501	498	497
MW-13				326	340
MW-14				520	494
MW-15				303	297
MW-16				295	292

Units are mg/l
Duplicate values averaged together
FPH free phase hydrocarbons present
* Collected with FPH in the well but believed to be representative

FIGURES

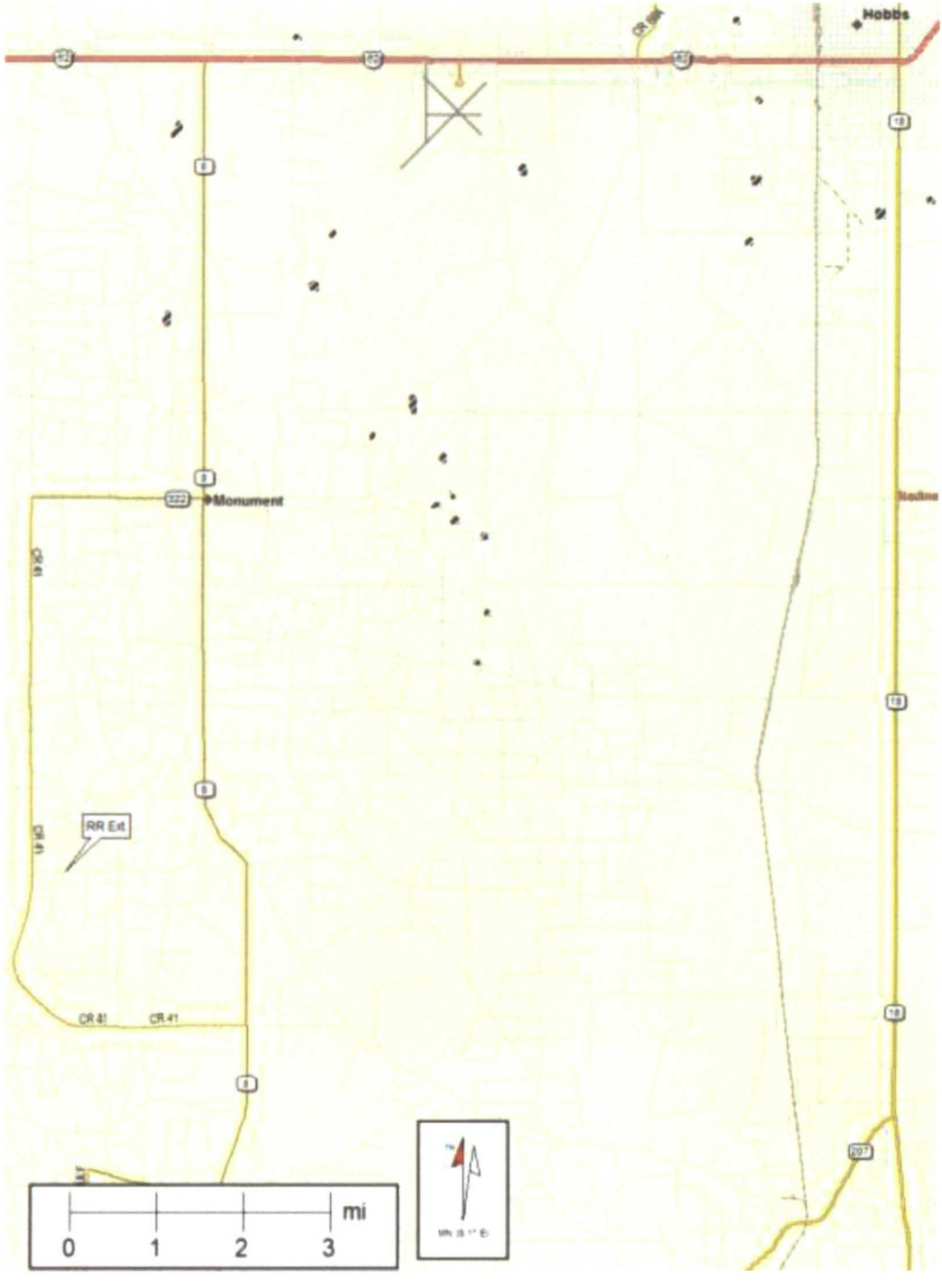

Figure 1 – Site Location

RR Ext - Groundwater Monitoring

dcp Midstream

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REVISED:
DATE: 5/06

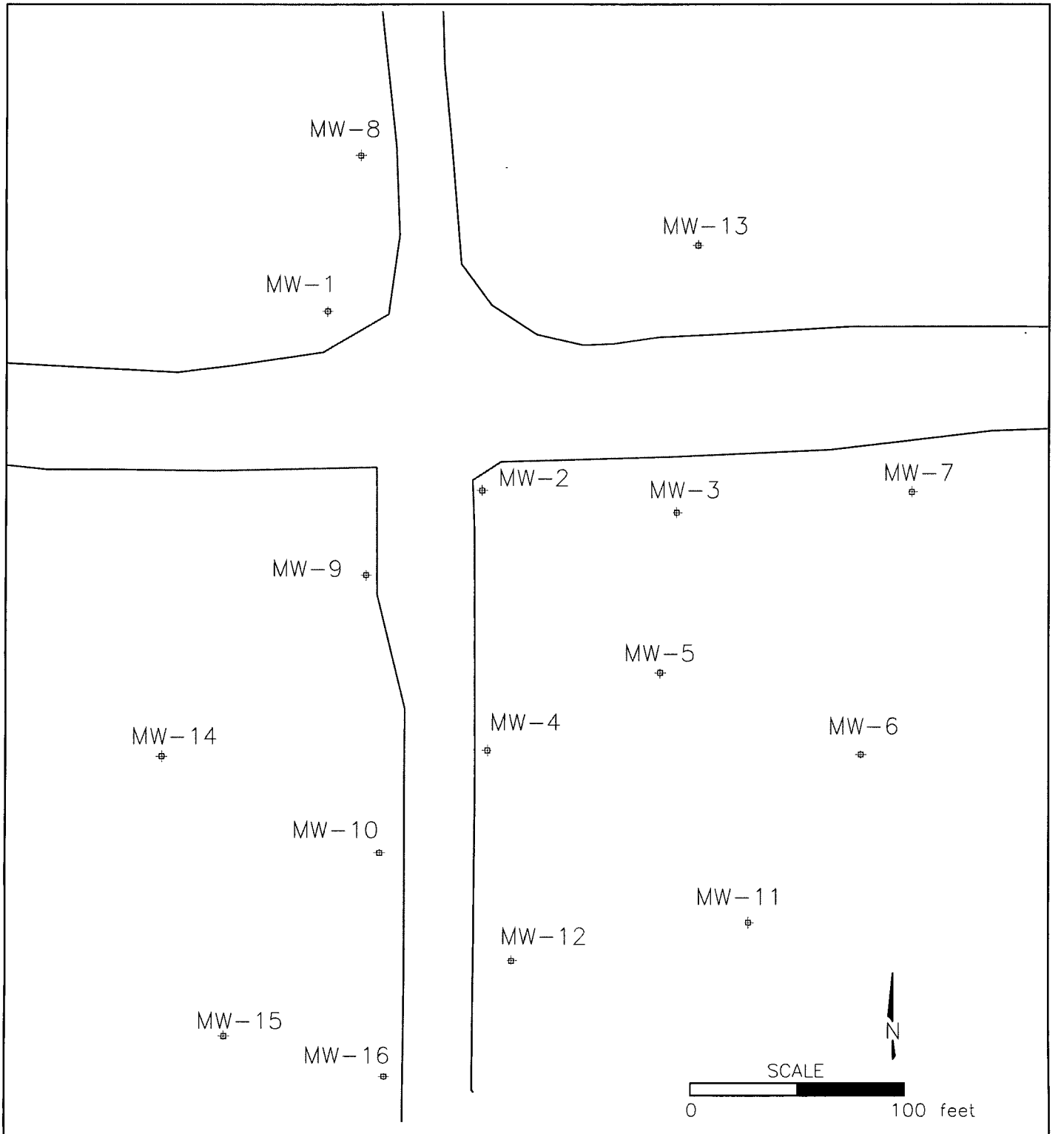

Figure 2 - Monitoring Well Locations

RR Ext - Groundwater Monitoring

dcp Midstream

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REVISED:
DATE: 5/11

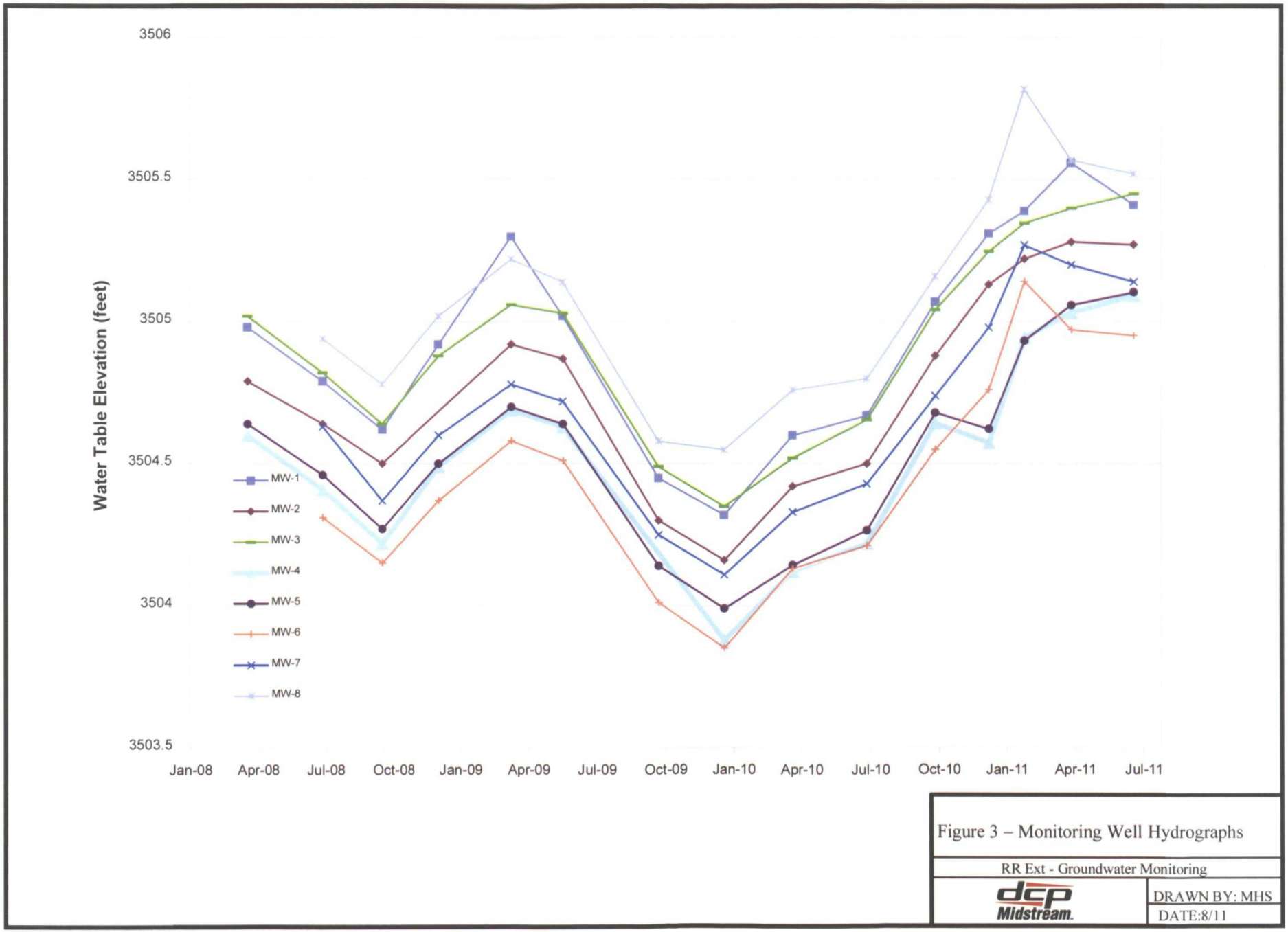

Figure 3 – Monitoring Well Hydrographs

RR Ext - Groundwater Monitoring

dcp Midstream.

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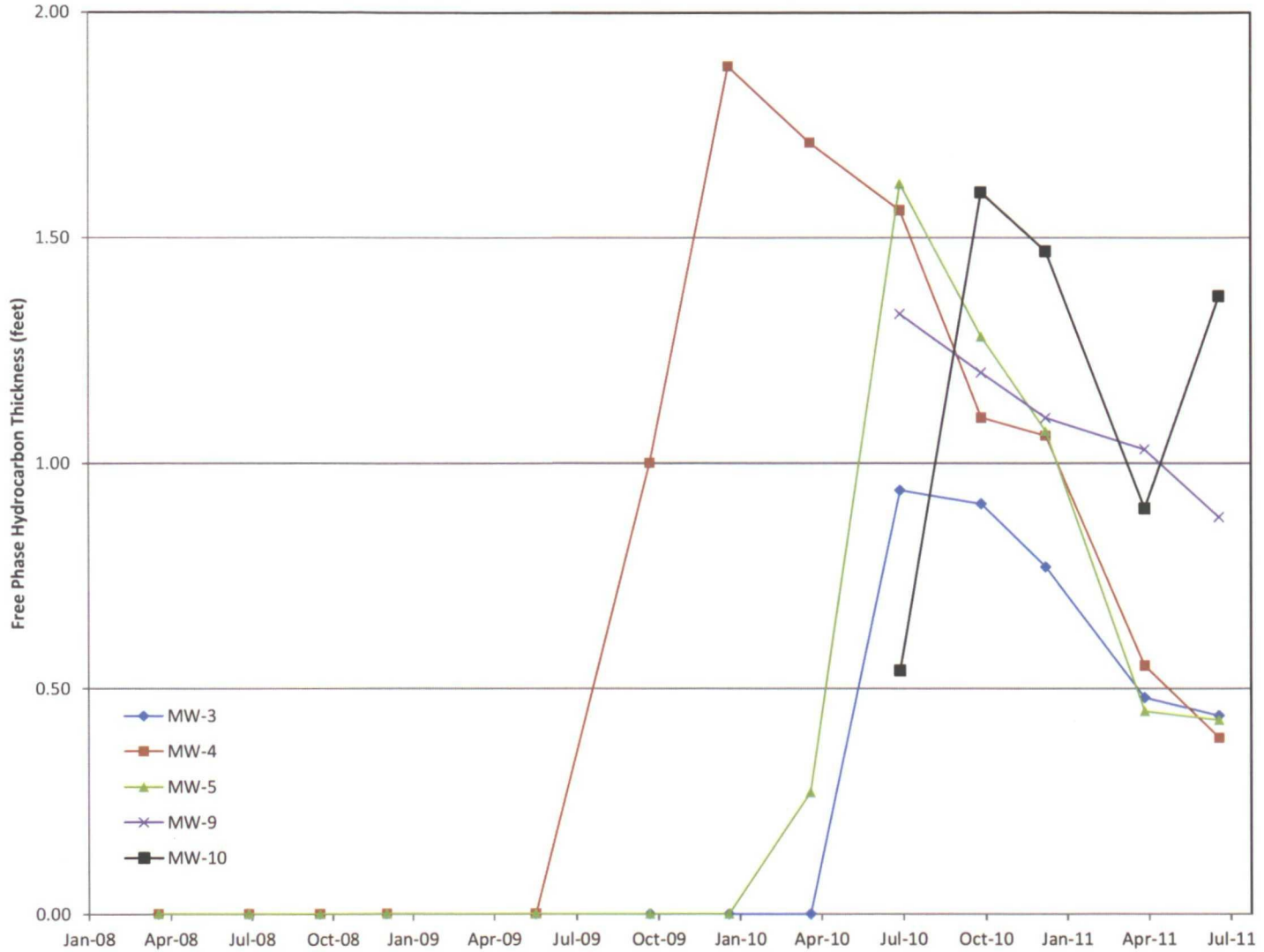

Figure 4 – Free Phase Hydrocarbon Thickness

RR Ext - Groundwater Monitoring

dcp Midstream

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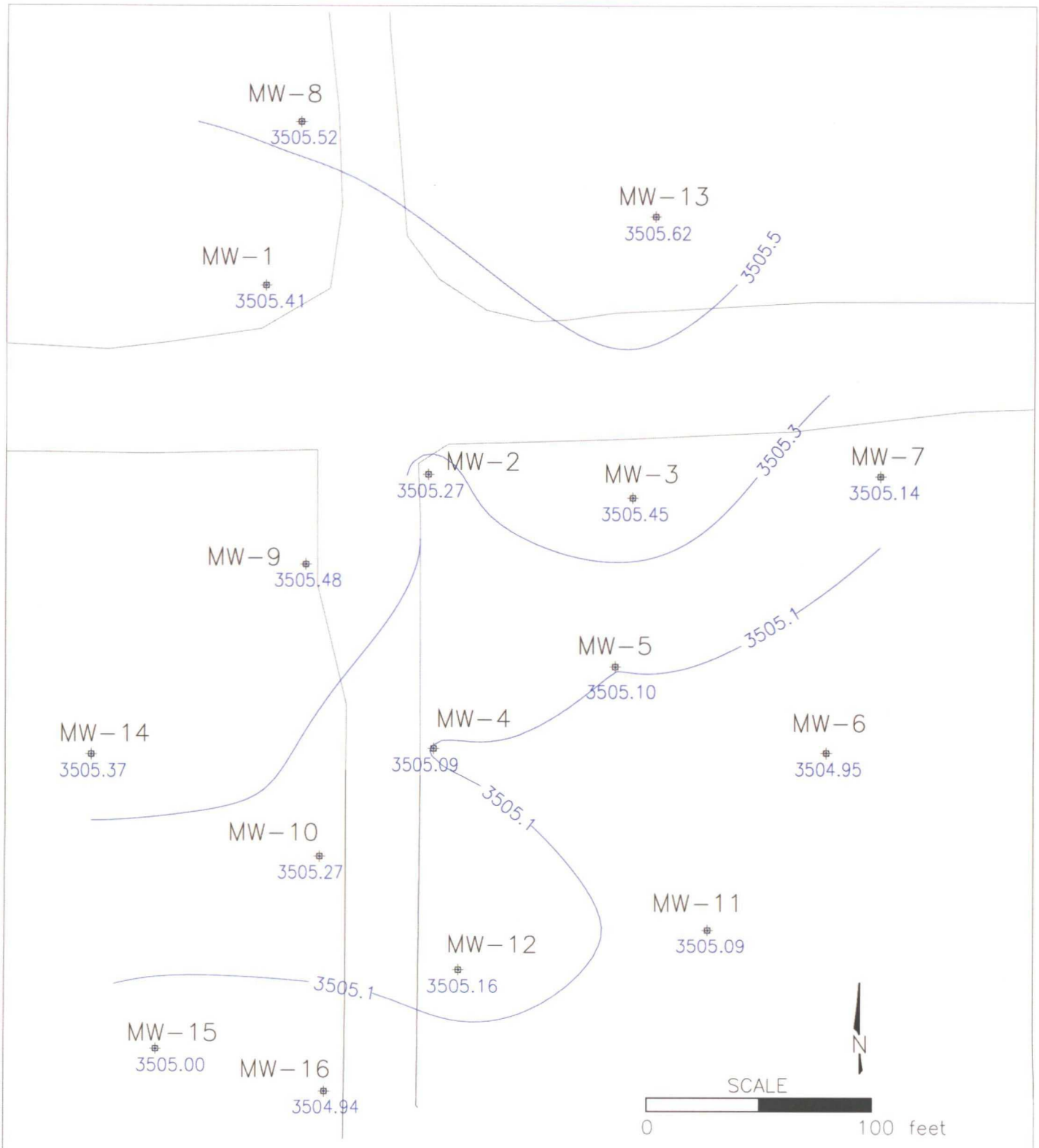

Water Table Contours are 0.20 feet

Figure 5 - Second Quarter 2011 Water Table Elevations

RR Ext - Groundwater Monitoring

dcp Midstream.

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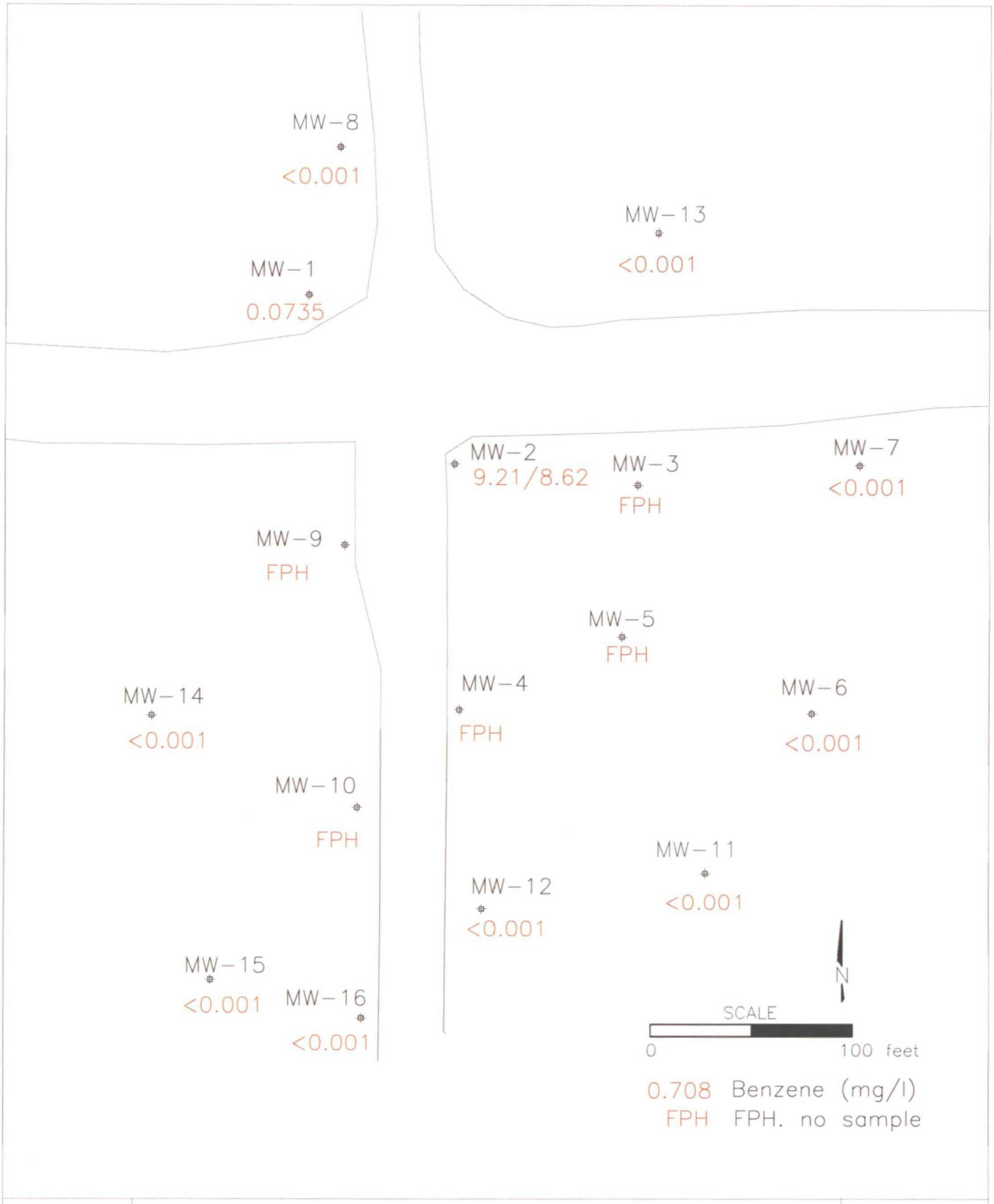

Figure 6 - Second Quarter 2011 Benzene Concentrations

RR Ext - Groundwater Monitoring

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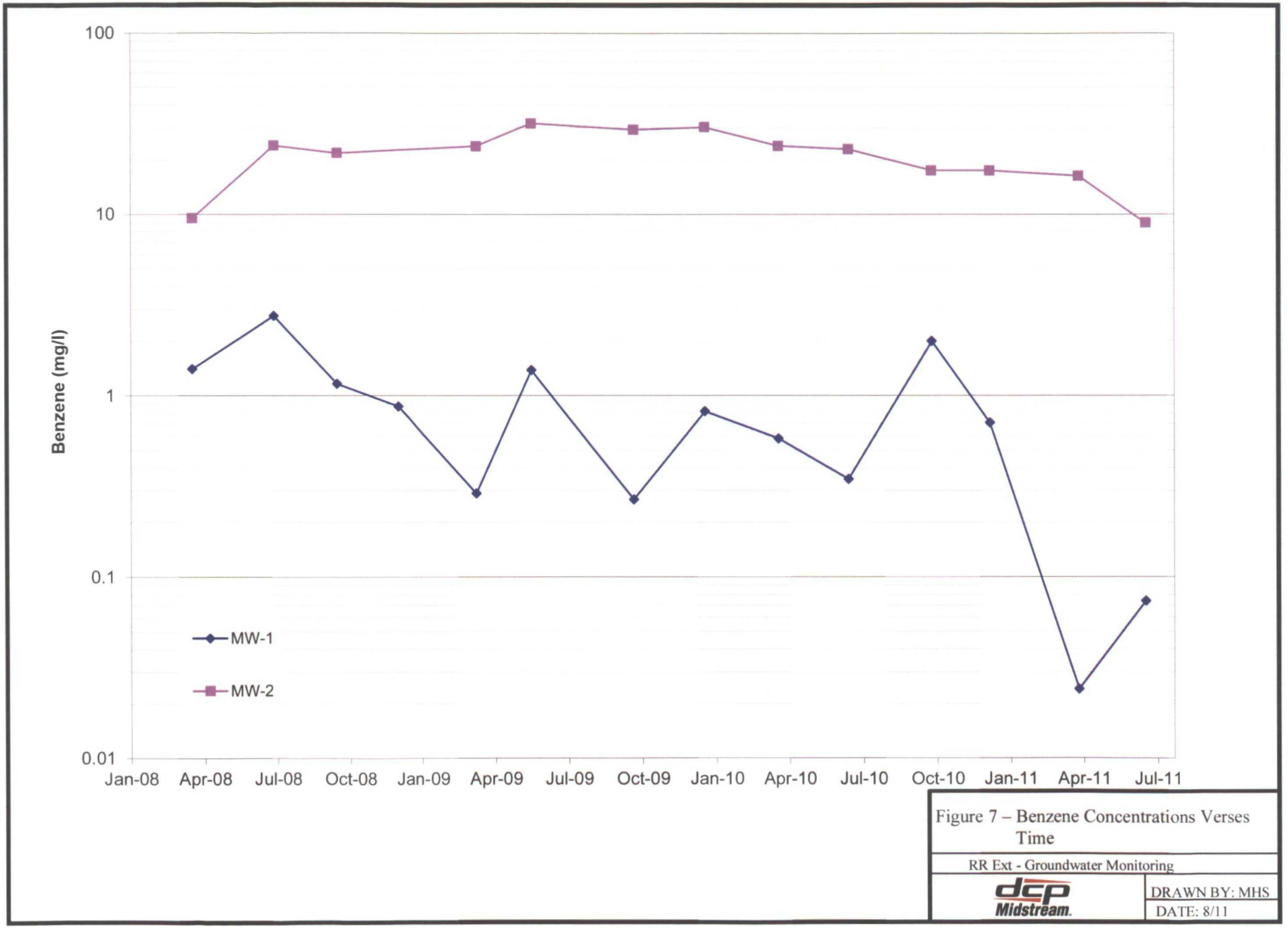

Figure 7 – Benzene Concentrations Verses Time

RR Ext - Groundwater Monitoring

dcp Midstream.

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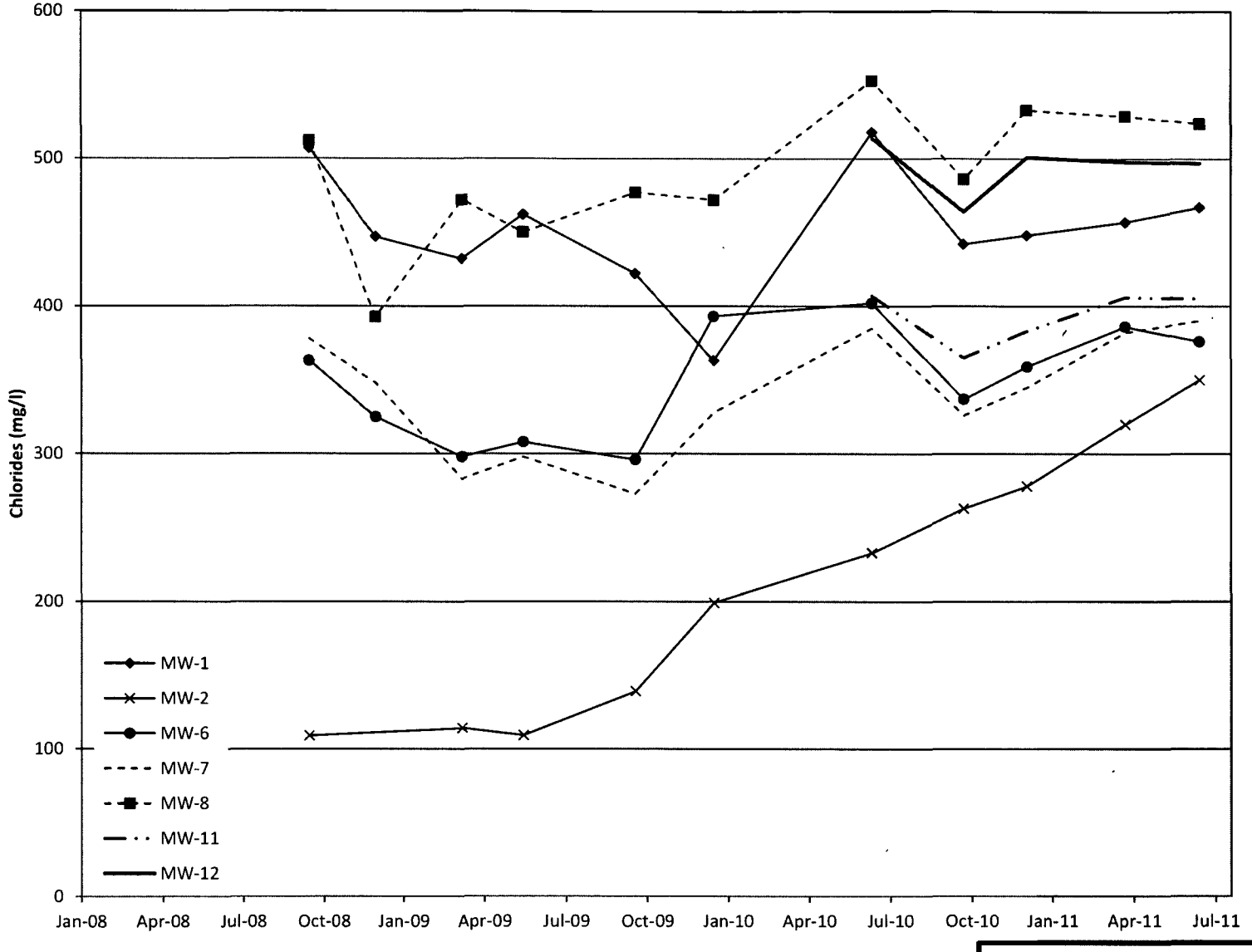

Note: Anomalous values from the March 2010 sampling event not included

Figure 8 – Chloride Concentrations Verses Time

RR Ext - Groundwater Monitoring

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Figure 9 - Second Quarter 2011 Chloride Concentrations

RR Ext - Groundwater Monitoring

dcp Midstream.

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DATE: 8/11

SUMMARY OF CORRECTED WATER TABLE ELEVATIONS

DCP RREXT - SUMMARY OF CORRECTED WATER TABLE ELEVATIONS

Well	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
03/19/08	3504.98	3504.79	3505.02	3504.60	3504.64			
06/29/08	3504.79	3504.64	3504.82	3504.41	3504.46	3504.31	3504.63	3504.94
09/17/08	3504.62	3504.50	3504.64	3504.22	3504.27	3504.15	3504.37	3504.78
12/03/08	3504.92		3504.88	3504.49	3504.50	3504.37	3504.60	3505.02
03/11/09	3505.30	3504.92	3505.06	3504.69	3504.70	3504.58	3504.78	3505.22
05/19/09	3505.02	3504.87	3505.03	3504.63	3504.64	3504.51	3504.72	3505.14
09/23/09	3504.45	3504.30	3504.49		3504.14	3504.01	3504.25	3504.58
12/20/09	3504.32	3504.16	3504.35	3503.88	3503.99	3503.85	3504.11	3504.55
03/22/10	3504.60	3504.42	3504.52	3504.12	3504.14	3504.13	3504.33	3504.76
06/29/10	3504.67	3504.50	3504.66	3504.22	3504.27	3504.21	3504.43	3504.80
09/28/10	3505.07	3504.88	3505.04	3504.65	3504.68	3504.55	3504.74	3505.16
12/09/10	3505.31	3505.13	3505.25	3504.58	3504.62	3504.76	3504.98	3505.43
03/30/11	3505.39	3505.22	3505.35	3504.95	3504.93	3505.14	3505.27	3505.82
06/22/11	3505.41	3505.27	3505.45	3505.09	3505.10	3504.95	3505.14	3505.52

Well	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16
03./30/11	3503.83	3505.12	3505.38	3506.84	3505.59	3505.35	3505.12	3504.07
06/22/11	3505.48	3505.27	3505.09	3505.16	3505.62	3505.37	3505.00	3504.94

Units are feet
Blank cells wells either not installed or not not measured.

SUMMARY OF GROUNDWATER MONITORING DATA

RR EXT BTEX GROUNDWATER MONITORING DATA SUMMARY

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC 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
Duplicate	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
	5/09	**1.38**	0.175	0.0705	0.065
	9/09	**0.267**	0.0332	0.024	0.0078
	12/09	**0.819**	0.0267	0.088	0.012
	3/10	**0.726**	0.107	0.0879	0.0278J
Duplicate	3/10	**0.431**	0.714	0.64	0.201
	6/10	**0.339**	0.0329	0.0539	0.0079
Duplicate	6/10	**0.353**	0.0395	0.0632	0.0088
	9/10	**1.99**	0.084	0.0951	0.0219J
	12/10	**0.708**	0.0099J	0.0796	0.0047J
	3/11	**0.0241**	0.0136	<0.01	0.0055 J
	6/11	**0.0735**	<0.01	0.0293	<0.02
MW-2	3/08	**8.98**	**6.58**	0.135J	**0.765**
Duplicate	3/08	**10**	**7**	0.156J	**0.93**
	6/08	**24.3**	**18.5**	0.319	**2.58**
Duplicate	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**
Duplicate	3/09	**4.07**	**1.91**	0.268 J	0.49 J
	5/09	**32.7**	**1.31**	**0.791**	**1.69**
Duplicate	5/09	**30.7**	**1.43**	**0.907**	**2.14**
	9/09	**29.3**	**0.771**	0.491	0.371J
	12/09	**28.5**	0.347	0.57	0.177J
Duplicate	12/09	**31.8**	0.397J	**0.829**	0.193
	3/10	**23.8**	0.71	0.529	**<1.2**
	6/10	**22.9**	0.39J	0.485	0.128
	9/10	**17**	0.257J	0.329J	<0.8
	9/10	**17.7**	0.284J	0.353J	<0.8
	12/10	**16.9**	0.399	0.458	0.0926J
	12/10	**17.5**	0.556	0.452	0.127J
	3/11	**16.6**	0.403	0.165 J	0.116 J
Duplicate	3/11	**16**	0.363	<0.2	<0.2
	6/11	**9.21**	0.231	0.377	<0.4
Duplicate	6/11	**8.62**	0.217	0.393	<0.4

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

RR EXT BTEX GROUNDWATER MONITORING DATA SUMMARY (continued)

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standards		0.10	0.75	0.75	0.62
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
	5/09	**14.7**	**12.6**	**0.808**	**1.64**
	9/09	**5.5**	**1.09**	0.271	<0.006
	12/09	**13.1**	**9.08**	**1.2**	**2.87**
	3/10	**8.43**	**9.14**	**1.01**	**2.71**
	6/10	**Free Phase Hydrocarbons Since Second Quarter 2010**			
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
	5/09	**4.7**	**2.94**	0.428	1.03
	Free Phase Hydrocarbons Since Third Quarter 2009				
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
	5/09	0.0064	0.0089	0.0025	0.0045 J
	9/09	0.0082	0.0132	0.00066J	<0.006
	12/09	0.0096	0.0155	0.0013J	0.0021J
	Free Phase Hydrocarbons Since First Quarter 2010				
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
	5/09	<0.002	<0.002	<0.002	<0.006
	9/09	<0.002	<0.002	<0.002	<0.006
	12/09	<0.002	<0.002	<0.002	<0.006
	3/10	<0.002	<0.002	<0.002	<0.006
	6/10	<0.001	<0.002	<0.002	<0.002
	9/10	<0.001	<0.002	<0.002	<0.004
	12/10	<0.001	<0.002	<0.002	<0.004
	3/11	<0.001	<0.002	<0.002	0.00084 J
	6/11	<0.001	<0.002	<0.002	<0.004

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

RR EXT BTEX GROUNDWATER MONITORING DATA SUMMARY (continued)

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standards		010	0.75	0.75	0.62
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
	5/09	<0.002	<0.002	<0.002	<0.006
	9/09	<0.002	<0.002	<0.002	<0.006
	12/09	<0.002	<0.002	<0.002	<0.006
	3/10	<0.002	<0.002	<0.002	<0.006
	6/10	0.0005J	<0.002	<0.002	<0.006
	9/10	0.00042J	<0.002	<0.002	<0.004
	12/10	<0.002	<0.002	<0.002	<0.006
	3/11	<0.001	<0.002	<0.002	<0.002
	6/11	<0.001	<0.002	<0.002	<0.004
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
	5/09	0.0098	0.0049	<0.002	<0.006
	9/09	<0.002	<0.002	<0.002	<0.006
Dup	9/09	<0.4	<0.4	<0.4	<1.2
	12/09	<0.002	<0.002	<0.002	<0.006
	3/10	<0.002	<0.002	<0.002	<0.006
	6/10	<0.001	<0.002	<0.002	<0.002
	9/10	<0.001	<0.002	<0.002	<0.004
	12/10	<0.001	<0.002	<0.002	<0.004
	3/11	<0.001	<0.002	<0.002	<0.002
	6/11	<0.001	<0.002	<0.002	<0.004
MW-9	**Free Phase Hydrocarbons since June 2010 Installation**				
MW-10	**Free Phase Hydrocarbons since June 2010 Installation**				
MW-11	6/10	<0.001	<0.002	<0.002	<0.004
	9/10	<0.001	<0.002	<0.002	<0.004
	12/10	<0.001	<0.002	<0.002	<0.004
	3/11	<0.001	<0.002	<0.002	<0.002
	6/11	<0.001	<0.002	<0.002	<0.004

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

RR EXT BTEX GROUNDWATER MONITORING DATA SUMMARY (continued)

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standards		0.10	0.75	0.75	0.62
MW-12	6/10	<0.001	<0.002	<0.002	<0.004
	9/10	<0.001	<0.002	<0.002	<0.004
	12/10	<0.001	<0.002	<0.002	<0.004
	3/11	<0.001	<0.002	<0.002	<0.002
	6/11	<0.001	<0.002	<0.002	<0.004
MW-13	3/11	<0.001	<0.002	<0.002	<0.002
	6/11	<0.001	<0.002	<0.002	<0.004
MW-14	3/11	<0.001	<0.002	<0.002	<0.002
	6/11	<0.001	<0.002	<0.002	<0.004
MW-15	3/11	<0.001	<0.002	<0.002	<0.002
	6/11	<0.001	<0.002	<0.002	<0.004
MW-16	3/11	<0.001	<0.002	<0.002	<0.002
	6/11	<0.001	<0.002	<0.002	<0.004

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

WELL SAMPLING DATA AND ANALYTICAL LABORATORY REPORT

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-1

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. _____ SAMPLER: N. Quevedo

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: 29.16 Feet
HEIGHT OF WATER COLUMN: 10.40 Feet
WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.6	21.1	1.47	7.70			
	3.2	20.7	1.47	7.66			
	4.8	20.3	1.47	7.66			
4.8	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: 6/22/2011

PROJECT NO. SAMPLER: N. Quevedo

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: 29.91 Feet

HEIGHT OF WATER COLUMN: 10.00 Feet

WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.7	22.2	1.11	7.53			
	3.4	21.9	1.11	7.52			
	5.1	21.8	1.10	7.52			
	5.1	Volume: (gallons)					

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

ANALYSES: BTEX (8260)

COMMENTS:

Duplicate sample collected

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-3

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. SAMPLER: N. Quevedo

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: 31.45 Feet
HEIGHT OF WATER COLUMN: 8.58 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. mS/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS

0.0 Volume: (gallons)

SAMPLE NO.: Collected Sample No.: No sample because of FPH

ANALYSES: BTEX (8260)

COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-4

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. SAMPLER: N. Quevedo

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: 30.40 Feet
HEIGHT OF WATER COLUMN: 10.26 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
	0.0	Volume: (gallons)					

SAMPLE NO.: Collected Sample No.: No sample because of FPH

ANALYSES:

COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-5

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. SAMPLER: N. Quevedo

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: 30.71 Feet
HEIGHT OF WATER COLUMN: 11.44 Feet
WELL DIAMETER: 2.0 Inch

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

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

SAMPLE NO.: Collected Sample No.: No sample because of FPH

ANALYSES: BTEX (8260)

COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-6

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. SAMPLER: N. Quevedo

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: 31.21 Feet

HEIGHT OF WATER COLUMN: 8.47 Feet

WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.3	20.4	1.18	7.89			
	2.6	19.8	1.18	7.90			
	3.9	19.3	1.18	7.91			
3.9	Volume: (gallons)						

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

ANALYSES: BTEX (8260)

COMMENTS: Collected samples for MS and MSD analyses

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-7

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. ☑ ☐ SAMPLER: N. Quevedo

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

SAMPLING METHOD: Dedicated Bailer Direct from Discharge Hose Other:

☑ SCRIBE ☐ EQUIPME ☐ DECONTAMINATION ☐ METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other:

TOTAL DEPTH OF WELL: 39.86 Feet

DEPTH TO WATER: 31.95 Feet

HEIGHT OF WATER COLUMN: 7.91 Feet

WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.3	20.5	1.32	8.12			
	2.6	19.9	1.26	7.89			
	3.9	19.8	1.26	7.88			
	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: 6/22/2011

PROJECT NO. SAMPLER: N. Quevedo

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: 30.89 Feet

HEIGHT OF WATER COLUMN: 9.37 Feet

WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.0	21.5	1.54	7.80			
	4.0	20.9	1.54	7.80			
	6.0	20.5	1.54	7.75			

6.0 Volume: (gallons)

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

ANALYSES: BTEX (8260)

COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-9

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. ☑ ☐ SAMPLER: N. Quevedo

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: 40.00 Feet
DEPTH TO WATER: 29.38 Feet
HEIGHT OF WATER COLUMN: 10.62 Feet
WELL DIAMETER: 2.0 Inch

5.3 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
	0.0	Volume: (gallons)					

SAMPLE NO.: Collected Sample No.: No sample because of FPH

ANALYSES: BTEX (8260)

COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-10

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. _____ SAMPLER: N. Quevedo

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: 40.00 Feet

DEPTH TO WATER: 29.97 Feet

HEIGHT OF WATER COLUMN: 10.03 Feet

WELL DIAMETER: 2.0 Inch

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

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

SAMPLE NO.: Collected Sample No.: No sample because of FPH

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-11

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. SAMPLER: N. Quevedo

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: 40.00 Feet
DEPTH TO WATER: 31.10 Feet
HEIGHT OF WATER COLUMN: 8.90 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
	1.4	21.1	1.21	7.92			
	2.8	20.6	1.320	7.91			
	4.2	19.6	1.320	7.89			
4.2	Volume: (gallons)						

SAMPLE NO.: Collected Sample No.: MW-11

ANALYSES: BTEX (8260)

COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-12

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. SAMPLER: N. Quevedo

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: 40.00 Feet
DEPTH TO WATER: 29.31 Feet
HEIGHT OF WATER COLUMN: 10.69 Feet
WELL DIAMETER: 2.0 Inch

5.3 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
	1.7	21.1	1.37	7.87			
	3.4	20.5	1.37	7.87			
	5.1	19.9	1.37	7.86			
	5.1	Volume: (gallons)					

SAMPLE NO.: Collected Sample No.: MW-12

ANALYSES: BTEX (8260)

COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-13

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. SAMPLER: N. Quevedo

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: 40.00 Feet

DEPTH TO WATER: 30.46 Feet

HEIGHT OF WATER COLUMN: 9.54 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	2031	1.21	7.80			
	3.2	20.5	1.21	7.82			
	4.8	19.9	1.21	7.82			
4.8	Volume: (gallons)						

SAMPLE NO.: Collected Sample No.: MW-13

ANALYSES: BTEX (8260)

COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-14

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. ☑ SAMPLER: N. Quevedo

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: 40.00 Feet
DEPTH TO WATER: 29.59 Feet
HEIGHT OF WATER COLUMN: 10.41 Feet
WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.0	20.5	1.29	7.95			
	4.0	20.5	1.28	7.93			
	6.0	20.3	1.28	7.92			
	6.0	Volume: (gallons)					

SAMPLE NO.: Collected Sample No.: MW-14

ANALYSES: BTEX (8260)

COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-15

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. SAMPLER: N. Quevedo

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: 40.00 Feet

DEPTH TO WATER: 29.90 Feet

HEIGHT OF WATER COLUMN: 10.10 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
	1.8	20.9	1.07	7.98			
	3.6	20.3	1.07	7.95			
	5.4	20.5	1.07	7.98			
5.4	Volume: (gallons)						

SAMPLE NO.: Collected Sample No.: MW-15

ANALYSES: BTEX (8260)

COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-16

SITE NAME: RR-EXT DATE: 6/22/2011

PROJECT NO. SAMPLER: N. Quevedo

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: 40.00 Feet
DEPTH TO WATER: 28.74 Feet
HEIGHT OF WATER COLUMN: 11.26 Feet
WELL DIAMETER: 2.0 Inch

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

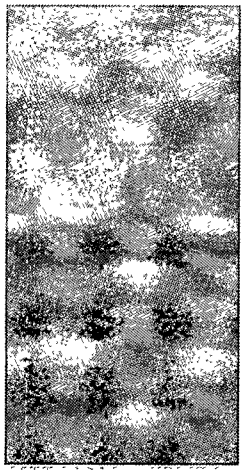
TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.0	20.8	1.07	7.98			
	4.0	20.9	1.06	7.96			
	6.0	20.4	1.06	7.97			
6.0	Volume: (gallons)						

SAMPLE NO.: Collected Sample No.: MW-16

ANALYSES: BTEX (8260)

COMMENTS:

Mountain States ACCUTEST LABORATORIES 08/23/11



Technical Report for

DCP Midstream, LP

AECCOL: DCP RR EXT

RC-GN00 Project-390761103

Accutest Job Number: D24764

Sampling Date: 06/22/11

Report to:

American Environmental Consulting, LLC

mstewart@aecdenver.com

ATTN: Michael Stewart

Total number of pages in report: **46**

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.

John Hamilton
Laboratory Director

Client Service contact: Shea Greiner 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW) UT (NELAP CO00049)

Test results relate only to samples analyzed.

Sections:

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Sample Summary

DCP Midstream, LP

Job No: D24764

AECCOL: DCP RR EXT
Project No: RC-GN00 Project-390761103

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
D24764-1	06/22/11	11:15	NQ	06/23/11	AQ	Ground Water	MW-1
D24764-2	06/22/11	11:00	NQ	06/23/11	AQ	Ground Water	MW-2
D24764-3	06/22/11	08:30	NQ	06/23/11	AQ	Ground Water	MW-6
D24764-3D	06/22/11	08:30	NQ	06/23/11	AQ	Water Dup/MSD	MW-6
D24764-3M	06/22/11	08:30	NQ	06/23/11	AQ	Water Matrix Spike	MW-6
D24764-4	06/22/11	08:05	NQ	06/23/11	AQ	Ground Water	MW-7
D24764-5	06/22/11	11:35	NQ	06/23/11	AQ	Ground Water	MW-8
D24764-6	06/22/11	08:45	NQ	06/23/11	AQ	Ground Water	MW-11
D24764-7	06/22/11	09:20	NQ	06/23/11	AQ	Ground Water	MW-12
D24764-8	06/22/11	00:00	NQ	06/23/11	AQ	Ground Water	DUP
D24764-9	06/22/11	00:00	NQ	06/23/11	AQ	Ground Water	TRIP BLANK
D24764-10	06/22/11	12:00	NQ	06/23/11	AQ	Ground Water	MW-13
D24764-11	06/22/11	10:35	NQ	06/23/11	AQ	Ground Water	MW-14

Sample Summary
(continued)

DCP Midstream, LP

Job No: D24764

AECCOL: DCP RR EXT
Project No: RC-GN00 Project-390761103

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
D24764-12	06/22/11	10:15 NQ	06/23/11	AQ	Ground Water	MW-15
D24764-13	06/22/11	09:50 NQ	06/23/11	AQ	Ground Water	MW-16

ACCUTEST Laboratories

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CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	DCP Midstream, LP	**Job No**	D24764
Site:	AECCOL: DCP RR EXT	**Report Date**	6/30/2011 5:09:53 PM

On 06/23/2011, 13 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 5.9 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D24764 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

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

Volatiles by GCMS By Method SW846 8260B

Matrix AQ **Batch ID:** V7V392

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D24763-4MS, D24763-4MSD were used as the QC samples indicated.

Matrix AQ **Batch ID:** V7V393

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D24764-3MS, D24764-3MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 300/SW846 9056

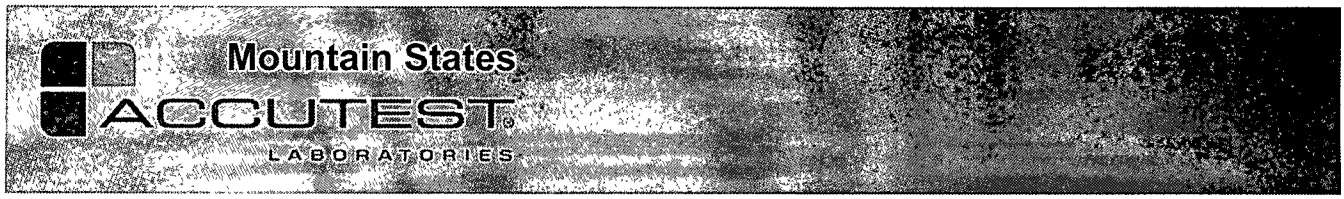
Matrix AQ **Batch ID:** GP4758

- All samples were prepared and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D24741-1MS, D24741-1MSD were used as the QC samples for the Chloride analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meetmg AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.



Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	D24764-1	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07417.D	5	06/24/11	DC	n/a	n/a	V7V392
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	0.0735	0.0050	0.0013	mg/l	
108-88-3	Toluene	ND	0.010	0.0050	mg/l	
100-41-4	Ethylbenzene	0.0293	0.010	0.0025	mg/l	
1330-20-7	Xylene (total)	ND	0.020	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		63-130%
2037-26-5	Toluene-D8	103%		68-130%
460-00-4	4-Bromofluorobenzene	87%		61-130%

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

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	D24764-1	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	467	10	mg/l	20	06/24/11 10:50	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	D24764-2	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07418.D	100	06/24/11	DC	n/a	n/a	V7V392
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	9.21	0.10	0.025	mg/l	
108-88-3	Toluene	0.231	0.20	0.10	mg/l	
100-41-4	Ethylbenzene	0.377	0.20	0.050	mg/l	
1330-20-7	Xylene (total)	ND	0.40	0.20	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		63-130%
2037-26-5	Toluene-D8	102%		68-130%
460-00-4	4-Bromofluorobenzene	85%		61-130%

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

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	D24764-2	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	370	10	mg/l	20	06/24/11 11:01	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	D24764-3	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07430.D	1	06/24/11	DC	n/a	n/a	V7V393
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/l	
1330-20-7	Xylene (total)	ND	0.0040	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	87%		63-130%
2037-26-5	Toluene-D8	102%		68-130%
460-00-4	4-Bromofluorobenzene	87%		61-130%

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

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	D24764-3	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	376	10	mg/l	20	06/24/11 11:12	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

3.4

Client Sample ID:	MW-7		
Lab Sample ID:	D24764-4	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07419.D	1	06/24/11	DC	n/a	n/a	V7V392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/l	
1330-20-7	Xylene (total)	ND	0.0040	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		63-130%
2037-26-5	Toluene-D8	104%		68-130%
460-00-4	4-Bromofluorobenzene	88%		61-130%

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

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	D24764-4	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	390	10	mg/l	20	06/24/11 11:24	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

3.5

Client Sample ID:	MW-8		
Lab Sample ID:	D24764-5	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07420.D	1	06/24/11	DC	n/a	n/a	V7V392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/l	
1330-20-7	Xylene (total)	ND	0.0040	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		63-130%
2037-26-5	Toluene-D8	102%		68-130%
460-00-4	4-Bromofluorobenzene	86%		61-130%

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

Report of Analysis

3.5

Client Sample ID:	MW-8		
Lab Sample ID:	D24764-5	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	524	10	mg/l	20	06/24/11 11:57	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	D24764-6	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07439.D	1	06/25/11	DC	n/a	n/a	V7V393
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/l	
1330-20-7	Xylene (total)	ND	0.0040	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		63-130%
2037-26-5	Toluene-D8	103%		68-130%
460-00-4	4-Bromofluorobenzene	89%		61-130%

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

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	D24764-6	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	405	10	mg/l	20	06/24/11 12:08	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	D24764-7	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07440.D	1	06/25/11	DC	n/a	n/a	V7V393
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/l	
1330-20-7	Xylene (total)	ND	0.0040	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		63-130%
2037-26-5	Toluene-D8	103%		68-130%
460-00-4	4-Bromofluorobenzene	88%		61-130%

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

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	D24764-7	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	497	10	mg/l	20	06/24/11 12:20	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

3.8

Client Sample ID:	DUP		
Lab Sample ID:	D24764-8	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07433.D	100	06/25/11	DC	n/a	n/a	V7V393
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	8.62	0.10	0.025	mg/l	
108-88-3	Toluene	0.217	0.20	0.10	mg/l	
100-41-4	Ethylbenzene	0.393	0.20	0.050	mg/l	
1330-20-7	Xylene (total)	ND	0.40	0.20	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		63-130%
2037-26-5	Toluene-D8	101%		68-130%
460-00-4	4-Bromofluorobenzene	88%		61-130%

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

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	D24764-8	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	329	10	mg/l	20	06/24/11 12:31	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	D24764-9	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07438.D	1	06/25/11	DC	n/a	n/a	V7V393
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/l	
1330-20-7	Xylene (total)	ND	0.0040	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	95%		63-130%
2037-26-5	Toluene-D8	103%		68-130%
460-00-4	4-Bromofluorobenzene	87%		61-130%

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

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	D24764-10	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07434.D	1	06/25/11	DC	n/a	n/a	V7V393
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/l	
1330-20-7	Xylene (total)	ND	0.0040	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		63-130%
2037-26-5	Toluene-D8	100%		68-130%
460-00-4	4-Bromofluorobenzene	87%		61-130%

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

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	D24764-10	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	340	10	mg/l	20	06/24/11 12:42	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	D24764-11	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07435.D	1	06/25/11	DC	n/a	n/a	V7V393
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/l	
1330-20-7	Xylene (total)	ND	0.0040	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	94%		63-130%
2037-26-5	Toluene-D8	101%		68-130%
460-00-4	4-Bromofluorobenzene	88%		61-130%

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

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	D24764-11	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	494	10	mg/l	20	06/24/11 12:53	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

3.12

Client Sample ID:	MW-15		
Lab Sample ID:	D24764-12	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07436.D	1	06/25/11	DC	n/a	n/a	V7V393
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/l	
1330-20-7	Xylene (total)	ND	0.0040	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	93%		63-130%
2037-26-5	Toluene-D8	101%		68-130%
460-00-4	4-Bromofluorobenzene	87%		61-130%

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

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	D24764-12	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	297	10	mg/l	20	06/24/11 13:04	GH	EPA 300/SW846 9056

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	D24764-13	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V07437.D	1	06/25/11	DC	n/a	n/a	V7V393
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00025	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/l	
1330-20-7	Xylene (total)	ND	0.0040	0.0020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	94%		63-130%
2037-26-5	Toluene-D8	101%		68-130%
460-00-4	4-Bromofluorobenzene	86%		61-130%

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

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	D24764-13	Date Sampled:	06/22/11
Matrix:	AQ - Ground Water	Date Received:	06/23/11
		Percent Solids:	n/a
Project:	AECCOL: DCP RR EXT		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	292	10	mg/l	20	06/24/11 13:16	GH	EPA 300/SW846 9056

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

4036 Youngfield Street, Wheat Ridge, CO 80033
TEL. 303-425-6021 FAX. 303-425-6854
www.accutest.com

PAGE 1 OF 2

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: D24764

Client / Reporting Information

Company Name: American Environmental Consulting
Street Address: 6885 S. Marshall Street Suite 3
City: Littleton CO 80128
Project Contact: Michael Stewart mstewart@aecdenver.com
Phone #: 303-605-1718
Sampler(s) Name(s):

Project Information

Project Name: DCP RR EXT
Street:
City: State:
Project #: RC - GN00 Project - 390761103
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)

Company Name: DCP Midstream
Street Address: PO Box 4870
City: Portland OR 97208-4870
Attention: Steve Weathers SWWeathers@dcpmidstream.com

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260BTX	CHL	MS/MSD for V8260BTX	Matrix Codes / LAB USE ONLY
	MW-1		6/22/11	1115	NQ	GW	4	3				1				X	X		01
	MW-2			1100	NQ	GW	4	3				1				X	X		02
	MW-6			830		GW	4	3				1				X	X		03
	MW-7			805		GW	4	3				1				X	X		04
	MW-8			1135		GW	4	3				1				X	X		05
	MW-11			845		GW	4	3				1				X	X		06
	MW-12			920		GW	4	3				1				X	X		07
	DUP			0		GW	4	3				1				X	X		08
	MW-6 MS/MSD			830		GW	6	6										X	03 MS/MSD
	Trip Blank			0			1									X			09
	MW-13		6/22/11	1200	NQ	GW	4	3				1				X	X		10
	MW-14		6/22/11	1035	NQ	GW	4	3				1				X	X		11

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turnaround Time (Business days)

- [ ] Std. 15 Business Days
- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day Emergency
- [ ] 2 Day Emergency
- [ ] 1 Day Emergency
- [x] STD 5 business Days per contract

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Labtink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] COMMBN
- [ ] COMMBN+
- [ ] State Forms Required
- [ ] Send Forms to State
- [ ] Report by Fax
- [x] Report by PDF
- [ ] EDD Format

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial BN = Results/QC/Narrative (+ = chromatograms)

Comments / Special Instructions

Email results to Steve Weathers

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	[signature]	6/23/11 1100	[signature]			2
3			3	4		4
5			5			

Custody Seal # 410 Intact / Not intact | Preserved where applicable | On Ice | Cooler Temp. 5.7°

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ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 2 OF 2

4036 Youngfield Street, Wheat Ridge, CO 80033
TEL. 303-425-6021 FAX. 303-425-6854
www.accutest.com

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # D24764

Client / Reporting Information	Project Information	Billing Information
Company Name: American Environmental Consulting	Project Name: DCP RR EXT	
Street Address: 6885 S. Marshall Street Suite 3	Street	Billing Information (if different from Report to)
City: Littleton CO 80128	City / State	Company Name: DCP Midstream
Project Contact: Michael Stewart mstewart@aecdenver.com	Project #: RC - GN00 Project - 390761103	Street Address: PO Box 4870
Phone #: 303-605-1718	Client Purchase Order #	City: Portland OR 97208-4870
Sampler(s) Name(s)	Project Manager	Attention: Steve Weathers SWWeathers@dcpmidstream.com

Requested Analysis (see TEST CODE sheet): V8260BTX, CHL, MS/MSD for V8260BTX

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL- Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB-Field Blank, EB-Equipment Blank, RB- Rinse Blank, TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260BTX	CHL	MS/MSD for V8260BTX	LAB USE ONLY
	MW-15		6/22/11	1015	KQ	GW	4	3				1				X	X		12
	MW-16		6/22/11	950	KQ.	GW	4	3				1				X	X		13
																			70

Turnaround Time (Business days)
- [ ] Std. 15 Business Days
- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day Emergency
- [ ] 2 Day Emergency
- [ ] 1 Day Emergency
- [x] STD 5 business Days per contract

Approved By (Accutest PM) / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] COMMBN
- [ ] COMMBN+
- [ ] State Forms Required
- [ ] Send Forms to State
- [ ] Report by Fax
- [x] Report by PDF
- [ ] EDD Format

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial BN = Results/QC/Narrative (+ = chromatograms)

Comments / Special Instructions
Email results to Steve Weathers

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 [signature]	6/23/11 1100	1 Jacob Potter 6/23/11	2 1100		2
Relinquished by Sampler: 3	Date Time	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # HD	Intact / Not intact; Preserved where applicable; On Ice	Cooler Temp. 5.9

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D24764: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D24764 **Client:** AMERICAN ENV. CONSULTING **Immediate Client Services Action Required:** No

Date / Time Received: 6/23/2011 11:00.00 AM **No. Coolers:** 1 **Client Service Action Required at Login:** No

Project: DCP RR EXT **Airbill #'s:** HD

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present:	☑ ☐
2. Custody Seals Intact	☑ ☐	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Cooler temp verification:	Infared gun
3. Cooler media	Ice (bag)

Quality Control Preservation	Y or N	N/A
1. Trip Blank present / cooler:	☐ ☐	
2. Trip Blank listed on COC:	☐ ☐	
3. Samples preserved properly:	☑ ☐	
4 VOCs headspace free:	☑ ☐	☐

Sample Integrity - Documentation	Y or N
1 Sample labels present on bottles:	☑ ☐
2 Container labeling complete:	☑ ☐
3 Sample container label / COC agree:	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample recvd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample:	Intact

Sample Integrity - Instructions	Y or N	N/A
1 Analysis requested is clear.	☑ ☐	
2 Bottles received for unspecified tests	☐ ☑	
3 Sufficient volume rec'd for analysis:	☑ ☐	
4. Compositing instructions clear:	☐ ☐	☑
5. Filtering instructions clear:	☐ ☐	☑

Comments

Accutest Laboratories
V (303) 425-6021

4036 Youngfield Street
F (303) 425-6854

Wheat Ridge, CO
www/accutest.com

4.1

D24764: Chain of Custody
Page 3 of 3

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: D24764
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL: DCP RR EXT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V392-MB	7V07405.D	1	06/24/11	DC	n/a	n/a	V7V392

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

D24764-1, D24764-2, D24764-4, D24764-5

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	4.0	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	91%	63-130%
2037-26-5	Toluene-D8	101%	68-130%
460-00-4	4-Bromofluorobenzene	87%	61-130%

Method Blank Summary

Job Number: D24764
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL: DCP RR EXT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V393-MB	7V07428.D	1	06/24/11	DC	n/a	n/a	V7V393

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

D24764-3, D24764-6, D24764-7, D24764-8, D24764-9, D24764-10, D24764-11, D24764-12, D24764-13

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	4.0	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	86%	63-130%
2037-26-5	Toluene-D8	101%	68-130%
460-00-4	4-Bromofluorobenzene	87%	61-130%

Blank Spike Summary

Job Number: D24764
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL: DCP RR EXT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V392-BS	7V07406.D	1	06/24/11	DC	n/a	n/a	V7V392

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

D24764-1, D24764-2, D24764-4, D24764-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	51.1	102	70-130
100-41-4	Ethylbenzene	50	55.5	111	70-130
108-88-3	Toluene	50	49.8	100	70-140
1330-20-7	Xylene (total)	100	105	105	55-134

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	87%	63-130%
2037-26-5	Toluene-D8	101%	68-130%
460-00-4	4-Bromofluorobenzene	98%	61-130%

Blank Spike Summary

Job Number: D24764
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL: DCP RR EXT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V393-BS	7V07429.D	1	06/24/11	DC	n/a	n/a	V7V393

5.2.2

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

D24764-3, D24764-6, D24764-7, D24764-8, D24764-9, D24764-10, D24764-11, D24764-12, D24764-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	50.6	101	70-130
100-41-4	Ethylbenzene	50	53.6	107	70-130
108-88-3	Toluene	50	49.3	99	70-140
1330-20-7	Xylene (total)	100	101	101	55-134

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	89%	63-130%
2037-26-5	Toluene-D8	104%	68-130%
460-00-4	4-Bromofluorobenzene	99%	61-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D24764
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL: DCP RR EXT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D24763-4MS	7V07409.D	1	06/24/11	DC	n/a	n/a	V7V392
D24763-4MSD	7V07410.D	1	06/24/11	DC	n/a	n/a	V7V392
D24763-4	7V07408.D	1	06/24/11	DC	n/a	n/a	V7V392

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

D24764-1, D24764-2, D24764-4, D24764-5

CAS No.	Compound	D24763-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	52.2	104	51.5	103	1	59-132/30
100-41-4	Ethylbenzene	ND		50	57.6	115	56.5	113	2	68-130/30
108-88-3	Toluene	ND		50	51.0	102	50.0	100	2	56-142/30
1330-20-7	Xylene (total)	ND		100	107	107	107	107	0	36-146/30

CAS No.	Surrogate Recoveries	MS	MSD	D24763-4	Limits
17060-07-0	1,2-Dichloroethane-D4	90%	90%	93%	63-130%
2037-26-5	Toluene-D8	103%	103%	102%	68-130%
460-00-4	4-Bromofluorobenzene	101%	101%	88%	61-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D24764
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL: DCP RR EXT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D24764-3MS	7V07431.D	1	06/24/11	DC	n/a	n/a	V7V393
D24764-3MSD	7V07432.D	1	06/25/11	DC	n/a	n/a	V7V393
D24764-3	7V07430.D	1	06/24/11	DC	n/a	n/a	V7V393

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

D24764-3, D24764-6, D24764-7, D24764-8, D24764-9, D24764-10, D24764-11, D24764-12, D24764-13

CAS No.	Compound	D24764-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	51.9	104	52.9	106	2	59-132/30
100-41-4	Ethylbenzene	ND		50	55.5	111	56.7	113	2	68-130/30
108-88-3	Toluene	ND		50	50.2	100	51.1	102	2	56-142/30
1330-20-7	Xylene (total)	ND		100	104	104	107	107	3	36-146/30

CAS No.	Surrogate Recoveries	MS	MSD	D24764-3	Limits
17060-07-0	1,2-Dichloroethane-D4	87%	87%	87%	63-130%
2037-26-5	Toluene-D8	102%	101%	102%	68-130%
460-00-4	4-Bromofluorobenzene	97%	97%	87%	61-130%

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: D24764
Account: DCPMCODN - DCP Midstream, LP
Project: AECCOL: DCP RR EXT

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP4758/GN10225	0.50	<0.50	mg/l	20	21.4	107.0	90-110%

Associated Samples:
Batch GP4758: D24764-1, D24764-10, D24764-11, D24764-12, D24764-13, D24764-2, D24764-3, D24764-4, D24764-5, D24764-6, D24764-7, D24764-8
(*) Outside of QC limits

6.1

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D24764
Account: DCPMCODN - DCP Midstream, LP
Project: AECCOL: DCP RR EXT

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP4758/GN10225	D24741-1	mg/l	2.3	10	13.1	108.0	80-120%

Associated Samples:
Batch GP4758: D24764-1, D24764-10, D24764-11, D24764-12, D24764-13, D24764-2, D24764-3, D24764-4, D24764-5, D24764-6, D24764-7, D24764-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

6.2
6

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D24764
Account: DCPMCODN - DCP Midstream, LP
Project: AECCOL: DCP RR EXT

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP4758/GN10225	D24741-1	mg/l	2.3	10	13.2	0.8	20%

Associated Samples:
Batch GP4758: D24764-1, D24764-10, D24764-11, D24764-12, D24764-13, D24764-2, D24764-3, D24764-4, D24764-5, D24764-6, D24764-7, D24764-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

6.3