GW-015

1st QTR 2010 GW Mon. Report

DATE:
June 30, 2010

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

June 30, 2010

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

RE: 1st 2010 Semi Annual Groundwater Monitoring Report
DCP Linam Ranch Gas Plant (GW-015)
Unit B, Section 6, Township 19 South, Range 37 East

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review one copy of the 1st 2010 Semi Annual Groundwater Monitoring Report for the DCP Linam Ranch Gas Plant located in Lea County, New Mexico (Unit B Section 6, Township 19 South, Range 37 East).

The groundwater sampling and abandonment events were completed on March 24, 2010. The data indicate that the groundwater conditions remain stable. The next monitoring event is scheduled for the second half of 2010.

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

Sincerely,

DCP Midstream, LP

Chandler S. Cole

Chandler E Cole.
Senior Environmental Specialist

Enclosure

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

RECEIVED OCD
2010 JUL -1 P 2:25

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC

June 23, 2010

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

RECEIVED OCD
2010 JUL -1 P 2:55

Subject: Report on First 2010 Semiannual Groundwater Monitoring Event
Linam Ranch Gas Plant, Lea County, New Mexico **GW-015**
Unit B, Section 6, Township 19 South, Range 37 East

Dear Chandler:

This letter summarizes the activities completed and provides conclusions on the first 2010 semiannual groundwater-sampling event at the DCP Midstream, LP (DCP) Linam Ranch Gas Plant in Lea County New Mexico. The facility is located in New Mexico Oil Conservation Division (OCD) designated Unit B, Section 6, Township 19 South, Range 37 East (Figure 1). The coordinates are 32.6965 degrees north, 103.2883 degrees west. The facility is an active gas-processing plant.

Ongoing semiannual groundwater monitoring began in 1997. The 13 monitoring well locations are shown on Figure 2. Well MW-12 was abandoned in April 2009 because of safety concerns. Construction information for the wells is included in Table 1.

The sampling was completed on March 24, 2010. The activities completed included the measurement of fluid levels in all monitoring wells and the sampling of the wells that contained sufficient water and did not contain measurable free phase hydrocarbons (FPH).

These fluid measurements are summarized in Table 2 along FPH thicknesses and the resulting corrected groundwater elevations. Well MW-7 was dry. The water-table elevations for the wells containing FPH were estimated using the following formula:

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

- MGWE is the actual measured groundwater elevation;
- FPHT is the measured free-phase hydrocarbon thickness; and
- PD is the free phase hydrocarbon density (assumed 0.81 based upon historic data).

The historic water-table elevation data are summarized in Table 3. Hydrographs for select wells are included on Figure 3. The water table declined in all wells except MW-4 and MW-5 where it remained constant.

A water-table contour map for the data for this event was generated using the program Surfer® with its kriging option (Figure 4). Groundwater flow is toward the southeast. The groundwater gradient decreased to the southeast of the operational area.

The historical FPH thickness values in MW-4 and MW-6 are graphed in Figure 5. The FPH thickness did not change appreciably in either well.

Ten wells were purged and sampled using the standard protocols for this site. Wells MW-4 and MW-6 were not sampled because they contained FPH. Well MW-7 was not sampled because it was dry.

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

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

A duplicate sample was collected from MW-5. A matrix spike, matrix spike duplicate was collected from MW-3. The quality control evaluation can be summarized as follows:

- All of the samples were analyzed within the required holding times;
- The BTEX constituents in the trip blank were all below their method detection limits;
- All of the individual surrogate spikes were within their control limits;
- The method blank and blank spike evaluations were all acceptable;
- The matrix spike and matrix spike duplicate results were all within their acceptable ranges.

The quality control results indicate that the data is suitable for groundwater monitoring evaluation.

The analytical results are summarized in Table 4 and the laboratory report is attached. None of the down-gradient boundary wells MW-2, MW-3, MW-8, MW-9 and MW-13 contained BTEX constituents above the method reporting limits.

The constituents that exceed the potentially applicable New Mexico Water Quality Control Commission (NMWQCC) groundwater standards are highlighted in Table 4. The samples from MW-5, MW-10 and MW-10d exceeded the benzene standard. The MW-5 sample exceeded the xylenes standard. There were no other exceedances.

Benzene isopleths generated by the Surfer® program using the kriging option are plotted on Figure 6 for the data from this event. Figure 6 indicates the following:

1. There appears to be two hydrocarbon source areas. The first area includes wells MW-4, MW-5 and MW-6. The second is associated with the MW-10/MW-10D cluster.
2. The dissolved-phase BTEX constituents that emanate from the MW-4, MW-5, MW-6 source attenuate to concentrations that are at or below the method reporting limits before encountering any boundary wells MW-2 and MW-8.
3. The elevated dissolved-phase BTEX constituents that are measured at MW-10 and MW-10D attenuate to concentrations that are below the method reporting limits before encountering down gradient wells MW-9 and MW-13.
4. The attenuation patterns described for above the two sources have remained constant since the middle of 2001.
5. There is an additional 1,000-foot buffer zone from the boundary wells discussed above and the down-gradient DCP property boundary at or near well MW-3 Figure 6).

The historical data for all wells is summarized in Table 5 for benzene, Table 6 for toluene, Table 7 for ethylbenzene and Table 8 for total xylenes. Figure 7 graphs the benzene concentration verses time relationship for MW-5. The benzene concentration rebounded in a manner that duplicates similar historic trends. The concentration remains in the middle of the range of historic values. This rebound has not affected the down-gradient concentrations as discussed in bullet 2 immediately above.

Time-benzene graphs for MW-10 and MW-10D are included in Figure 8. The benzene concentrations in both wells increased but remained within a range that began in 2007. The dissolved-phase hydrocarbon plume does not appear to be expanding from this area based upon the nondetects in down-gradient wells MW-9 and MW-13 as discussed in bullet 3 immediately above.

The above results, particularly the lack of detectable BTEX in the down-gradient wells, indicate that the plume is not expanding. Also, the land to the east and the south of the facility that is owned by DCP provides an additional down-gradient buffer as discussed in bullet 5 above.

AEC recommends no additional activities other than continued semiannual groundwater sampling be completed at this site. The next semi-annual groundwater-monitoring episode is scheduled for the second half of 2010. Do not hesitate to contact me if you have any questions or comments on this report or any other aspects of the projects.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, PE
Principal Engineer

MHS/tbm
attachment

TABLES

Table 1 – Linam Ranch Gas Plant Well Construction Summary

Well	Well Elevation (Top of Casing)	Well Depth (TOC)	Well Diameter
	(feet)	(feet)	(inches)
MW-1	3718.29	54.20	2
MW-2	3714.80	50.50	2
MW-3	3715.50	55.30	2
MW-4	3720.46	54.13	4
MW-5	3721.53	55.20	4
MW-6	3720.99	54.10	4
MW-7	3728.57	62.50	2
MW-8	3714.18	58.30	4
MW-9	3720.48	59.10	2
MW-10	3720.76	65.00	4
MW-10D	3720.85	79.00	2
MW-11	3722.02	62.80	4
MW-13	3721.63	63.00	4

Well MW-12 plugged and abandoned 4/29/09

Table 2 –Linam Ranch Gas Plant March 2010 Gauging Data

Well	Depth to Water	Depth to Product	Free Phase Hydrocarbon Thickness	Corrected Water Table Elevation
MW-1	46.21			3673.97
MW-2	45.14			3672.10
MW-3	48.15			3669.55
MW-4	48.02	47.33	0.69	3674.95
MW-5	47.89			3675.71
MW-6	50.98	48.88	2.10	3673.70
MW-7	DRY			
MW-8	44.87			3671.31
MW-9	51.45			3671.03
MW-10	51.47			3671.43
MW-10D	52.26			3671.28
MW-11	52.60			3671.93
MW-13	53.08			3670.91

All units are feet

Table 3 - Linam Ranch Gas Plant Summary of Historic Groundwater Elevation Data

Well	12/1/92	5/22/94	5/17/95	11/14/95	1/17/96	4/24/96	1/22/97	8/15/97	1/22/98	7/20/98	2/9/99	8/24/99	2/21/00	8/17/00	2/6/01	8/2/01
MW-1		3676.28	3674.68		3676.23	3675.37	3674.45	3674.63	3674.19	3673.67	3673.76	3675.21	3675.41	3676.71	3676.99	3674.81
MW-2		3682.29	3673.49				3673.19		3672.80	3672.37	3672.41	3674.43	3672.68	3679.43	3674.05	3672.69
MW-3		3671.47	3670.72	3671.30		3671.13	3670.47		3669.96	3669.80	3669.59	3669.68	3669.51	3669.68	3669.48	3669.31
MW-4	3677.10	3676.96	3675.43	3675.75	3676.27	3675.50	3674.29	3674.12	3674.52	3673.76	3674.45	3675.44	3675.81	3676.07	3675.39	3674.80
MW-5	3677.65	3677.33	3675.43	3676.62	3676.23	3675.51	3674.35	3673.96	3674.74	3674.21	3674.84	3675.47	3675.84	3675.66	3675.24	3674.82
MW-6	3676.87	3676.70	3674.87	3676.80	3676.18	3676.37	3674.21	3673.91	3674.21	3673.59	3673.84	3674.86	3675.11	3675.61	3674.75	3674.15
MW-8		3674.83	3672.73		3674.47	3673.36	3672.78	3672.04	3671.87	3671.61	3671.48	3672.56	3671.93	3674.66	3672.60	3671.26
MW-9		3672.89	3671.88	3672.46	3672.64	3672.40	3671.52	3671.14	3671.00	3670.90	3670.67	3670.89	3670.78	3670.92	3670.86	3670.62
MW-10			3672.45	3673.05	3673.08	3672.75	3671.78	3671.41	3671.33	3671.22	3671.02	3671.39	3671.24	3671.53	3671.36	3671.06
MW-10D			3672.16	3672.91	3672.81	3672.36	3671.43	3671.07	3671.13	3670.99	3670.78	3671.03	3670.98	3671.29	3670.97	3670.76
MW-11			3673.03	3674.19	3673.88	3673.31	3672.21	3671.81	3672.01	3671.88	3671.68	3672.06	3672.09	3672.47	3672.22	3671.79
MW-12			3672.37	3673.32	3673.25	3672.75	3671.74	3671.40	3671.34	3671.18	3671.00	3671.59	3671.33	3671.86	3671.50	3671.07
MW-13			3672.02	3672.57	3672.66	3672.34	3671.43	3671.05	3670.93	3670.80	3670.60	3670.94	3670.74	3671.04	3670.88	3670.58

Well	3/11/02	9/25/02	3/8/03	9/17/03	3/16/04	8/17/04	3/15/05	9/29/05	3/22/06	9/21/06	3/20/07	9/28/07	4/30/08	9/15/08	4/29/09
MW-1	3674.04	3674.43	3674.32	3673.80	3674.30	3676.59	3682.86	3684.83	3684.08	3682.25	3677.05	3677.62	3677.57	3675.05	3674.29
MW-2	3672.07	3672.26	3672.21	3671.69	3671.26	3679.10	3679.39	3678.22	3676.04	3681.68	3674.88	3693.79	3693.74	3673.08	3672.78
MW-3	3669.14	3669.03	3669.06	3668.87	3668.63	3669.00	3671.37	3671.52	3671.63	3672.00	3671.45	3671.31	3671.26	3670.30	3669.92
MW-4	3674.59	3675.13	3674.60	3674.16	3674.04	3675.77	3681.85	3682.38	3682.04	3680.94	3677.98	3677.77	3676.48	3675.63	3675.14
MW-5	3675.07	3674.99	3674.81	3674.32	3674.32	3674.32	3680.24	3680.65	3680.66	3680.23	3678.70	3677.03	3676.98	3675.93	3675.97
MW-6	3674.30	3674.61	3674.12	3673.55	3673.07	3674.68	3680.13	3677.46	3677.42	3677.37	3677.70	3677.21	3675.96	3674.92	3674.28
MW-8	3671.51	3671.59	3671.59	3670.71	3670.67	3673.30	3676.74	3677.01	3675.71	3677.09	3674.32	3681.16	3672.09	3672.47	3672.01
MW-9	3670.61	3670.61	3670.68	3670.48	3670.15	3670.28	3673.36	3673.66	3674.00	3673.41	3673.42	3672.65	3681.10	3672.20	3671.77
MW-10	3671.10	3671.13	3671.17	3670.87	3670.52	3670.84	3674.42	3674.35	3674.69	3674.13	3673.99	3673.14	3674.08	3672.69	3672.22
MW-10D	3670.84	3670.81	3670.85	3670.46	3670.28	3670.51	3673.72	3674.03	3674.05	3673.75	3674.92	3672.70	3672.59	3672.31	3671.64
MW-11	3672.02	3672.05	3672.00	3671.49	3671.02	3671.67	3675.45	3675.54	3675.68	3675.30	3674.52	3673.80	3672.58	3673.15	3672.74
MW-12	3671.01	3671.09	3671.15	3670.81	3670.36	3671.10	3674.97	3674.46	3674.64	3674.52	NS	NS	NS	NS	NS
MW-13	3670.50	3670.50	3670.57	3670.32	3669.95	3670.31	3673.69	3673.61	3673.56	3673.50	3677.05	3672.57	3672.50	3672.06	3671.60

NS: Not sampled due to safety concerns, all units in feet

Table 3 - Linam Ranch Gas Plant Summary of Historic Groundwater Elevation Data (continued)

Well	9/24/09	3/24/10
MW-1	3674.11	3673.97
MW-2	3672.50	3672.10
MW-3	3669.92	3669.55
MW-4	3674.89	3674.95
MW-5	3675.71	3675.71
MW-6	3673.93	3673.70
MW-8	3671.99	3671.31
MW-9	3671.38	3671.03
MW-10	3671.75	3671.43
MW-10D	3671.22	3671.28
MW-11	3672.32	3671.93
MW-13	3671.25	3670.91

(all units in feet)

Table 4 –Linam Ranch Gas Plant March 2010 Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Xylenes
NMWQCC	0.01	0.75	0.75	0.62
MW-1	<0.002	<0.002	<0.002	<0.006
MW-2	<0.002	<0.002	<0.002	<0.006
MW-3	<0.002	<0.002	<0.002	<0.006
MW-4	FPH			
MW-5	**0.119**	<0.002	0.702	**0.916**
MW-5 DUP	**0.141**	<0.002	0.262	0.0049J
MW-6	FPH			
MW-7	DRY			
MW-8	<0.002	<0.002	<0.002	<0.006
MW-9	<0.002	<0.002	<0.002	<0.006
MW-10	**1.64**	0.175	0.246	0.156
MW-10d	**0.196**	0.0703	0.0129	0.0202
MW-11	<0.002	<0.002	<0.002	<0.006
MW-13	<0.002	<0.002	<0.002	<0.006
Trip Blank	<0.002	<0.002	<0.002	<0.006

NMWQCC: New Mexico Water Quality Control Commission groundwater standards.
Bolded cells exceed the NMWQCC standard
All units mg/l
FPH: Free phase hydrocarbons present so no samples collected
DRY: Not sampled because of insufficient water.
MW-12 was plugged and abandoned in April 2009

Table 5 - Linam Ranch Gas Plant Summary of Historical Results for Benzene

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-10D	MW-11	MW-12	MW-13
9/20/1991	0.0053	<0.001	<0.001											
11/3/1992	0.0015			16.0	0.003	0.34								
12/2/1992	0.0013			17.0	0.009	0.52								
1/12/1994	0.0039			18.0	0.300	0.77		<0.001						
5/17/1995	<0.002	<0.001	<0.001	20.9	0.090	0.98	<0.001	<0.001	<0.001	3.225	0.096	<0.001	<0.001	<0.001
11/14/1995									<0.001	5.23	0.125	0.306	<0.001	0.003
1/17/1996									0.001	6.11	0.841	0.549	<0.001	<0.001
4/24/1996									<0.001	6.94	8.14	0.52	<0.001	<0.001
1/22/1997									<0.001	6.41	0.365	0.267	<0.001	0.048
8/15/1997									<0.001	5.63	0.221	0.164	0.001	0.132
1/22/1998									<0.001	7.03	<0.001	0.291	<0.001	0.082
7/20/1998									<0.001	7.18	0.184	0.061	0.002	0.061
2/9/1999			<0.001						0.011	4.87	0.009	0.018	0.001	0.082
8/25/1999	<0.005	<0.005	<0.001		0.137		<0.005	<0.001	<0.005	5.58	0.036	0.005	0.003	0.062
2/22/2000	<0.005	<0.005	<0.001		0.068		<0.005	<0.005	0.014	2.35	0.014	0.02	<0.001	0.08
8/18/2000	<0.001	<0.001	<0.005		<0.005		<0.005	0.002	0.036	3.11	<0.005	0.009	<0.005	0.04
2/7/2001	<0.005	<0.005	<0.005		<0.005		<0.005	<0.005	<0.005	1.23	<0.005	0.013	<0.001	0.023
8/2/2001	0.003	0.007	0.002		<0.005		<0.005	<0.001	0.038	1.64	<0.001	0.002	<0.001	0.002
3/11/2002	<0.001	<0.001	<0.001	17.9	0.062		<0.001	<0.001	0.048	3.26	0.002	0.005	<0.001	<0.001
9/25/2002	<0.005	<0.001	<0.001	18.8	0.381	1.29	<0.005	<0.001	0.071	3.48	<0.001	0.002	<0.001	<0.001
3/10/2003	<0.001	<0.001	<0.001	16.9	0.079	0.16	<0.005	<0.001	0.077	4.21	<0.005	<0.001	<0.001	<0.001
9/17/2003	<0.001	<0.001	<0.001	15.8	0.116		<0.001	<0.005	<0.005	1.34	<0.005	<0.005	<0.005	<0.005
3/16/2004	<0.001	<0.001	<0.001	17.8	0.146		<0.001	<0.001	<0.001	0.456	<0.001	<0.001	<0.001	<0.001
8/18/2004	<0.001	<0.001	<0.001	16.6	0.012		<0.001	<0.001	<0.001	1.3	0.011	0.003	<0.001	<0.001
3/15/2005	<0.001	<0.001	<0.001		0.262		<0.001	<0.001	0.0061	3.91	0.107	0.0264	<0.001	<0.001
9/29/2005	0.0067	<0.001	<0.001		0.63		<0.001	<0.001	0.0029	1.67	0.0703	<0.001	<0.001	<0.001
3/22/2006	0.0028	<0.001	<0.001		0.569		<0.001	<0.001	0.0023	1.48	0.224	<0.001	<0.005	<0.001
9/21/2006	0.0011	<0.001	<0.001		1.06		<0.001	<0.001	0.001	1.19	0.0537	<0.001	<0.001	<0.001
3/20/2007	<0.001	<0.001	<0.001		0.252		<0.001	<0.001	<0.001	1.13	0.0736	<0.001		<0.001
9/28/2007	<0.001	<0.001	<0.001		0.07375		<0.001	<0.001	<0.001	1.18	0.218	<0.001		<0.001
4/30/2008	<0.002	<0.002	<0.002		0.0108		<0.002	<0.002	<0.002	0.769	0.195	<0.002		<0.002
9/15/2008	<0.002	<0.002	<0.002		0.0469			<0.002	<0.002	0.801	0.216	<0.002		<0.002
3&4/2009	<0.002	<0.002	<0.002		0.0095			<0.002	<0.00046	0.883	0.179	<0.00046		<0.00046
9/24/2009	<0.002	<0.002	<0.002		0.0272			<0.002	<0.002	1.07	0.103	<0.002		<0.002
3/24/2010	<0.002	<0.002	<0.002		0.13			<0.002	<0.002	1.64	0.196	<0.002		<0.002

1) All units mg/l and duplicate values are averaged: 2) MW-12 Not sampled after 9/06 due to safety concerns:
3) Modifiers are not included: 4) Blank cells note samples for wells that were either not installed or not sampled

Table 6 - Linam Ranch Gas Plant Summary of Historical Results for Toluene

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-10D	MW-11	MW-12	MW-13
9/20/1991	0.0067	<0.001	0.0021											
11/3/1992	0.0015			8.0	0.0034	0.023								
12/2/1992	0.0014			8.2	0.0041	0.020								
1/12/1994	<0.001			10.0	0.190	0.0029		<0.005						
5/17/1995	<0.002	<0.001	<0.001	1.35	0.014	0.007	<0.001	<0.001	<0.001	0.052	0.004	<0.001	<0.001	<0.001
11/14/1995									<0.001	0.001	0.001	<0.001	<0.001	<0.001
1/17/1996									<0.001	0.863	0.001	0.004	<0.001	<0.001
4/24/1996									<0.001	<0.010	0.046	<0.002	<0.001	<0.001
1/22/1997									<0.001	1.63	<0.005	<0.001	<0.001	<0.001
8/15/1997									<0.001	1.35	<0.01	<0.001	<0.001	<0.001
1/22/1998									<0.001	1.93	<0.001	0.004	<0.001	<0.001
7/20/1998									<0.001	2.34	0.014	<0.001	<0.001	<0.001
2/9/1999			<0.001						<0.001	0.32	<0.005	<0.001	<0.001	<0.001
8/25/1999	<0.005	<0.005	<0.001		0.037		<0.005	<0.001	<0.005	0.658	<0.001	<0.001	<0.001	<0.001
2/22/2000	<0.005	<0.005	<0.001		<0.005		<0.005	<0.005	<0.005	0.129	<0.005	<0.001	<0.001	<0.001
8/18/2000	<0.001	<0.001	<0.005		<0.005		<0.005	<0.001	<0.005	0.025	<0.005	<0.005	<0.005	<0.005
2/7/2001	<0.005	<0.005	<0.005		<0.005		<0.005	<0.005	<0.005	0.082	<0.005	<0.001	<0.001	<0.005
8/2/2001	<0.001	<0.001	<0.001		<0.005		<0.005	<0.001	<0.001	<0.02	<0.001	<0.001	<0.001	<0.001
3/11/2002	<0.001	<0.001	<0.001	<0.100	<0.001		<0.001	<0.001	<0.001	0.178	<0.001	<0.001	<0.001	<0.001
9/25/2002	<0.005	<0.001	<0.001	<0.100	<0.050	<0.050	<0.005	<0.001	<0.001	<0.100	<0.001	<0.001	<0.001	<0.001
3/10/2003	<0.001	<0.001	<0.001	<0.100	<0.050	<0.100	<0.005	<0.001	<0.001	<0.100	<0.005	<0.001	<0.001	<0.001
9/17/2003	<0.001	<0.001	<0.001	<0.200	<0.001		<0.001	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005
3/16/2004	<0.001	<0.001	<0.001	<0.200	<0.001		<0.001	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.001
8/18/2004	<0.001	<0.001	<0.001	<0.100	<0.005		<0.001	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	<0.001
3/15/2005	<0.001	<0.001	<0.001		<0.005		<0.001	<0.001	<0.001	0.303	0.0444	<0.005	<0.001	<0.001
9/29/2005	<0.001	<0.001	<0.001		<0.0100		<0.001	<0.001	<0.001	0.39	0.0453	<0.001	<0.001	<0.001
3/22/2006	<0.001	<0.001	<0.001		<0.0100		<0.001	<0.001	<0.001	0.254	0.0614	<0.001	<0.005	<0.001
9/21/2006	<0.001	<0.001	<0.001		0.0069		<0.001	<0.001	<0.001	0.197	0.0378	<0.001	<0.001	<0.001
3/20/2007	<0.001	<0.001	<0.001		<0.005		<0.001	<0.001	<0.001	0.212	0.0563	<0.001		<0.001
9/28/2007	<0.001	<0.001	<0.001		<0.001		<0.001	<0.001	<0.001	0.246	0.0902	<0.001		<0.001
4/30/2008	<0.002	<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	0.0457	0.0677	<0.002		<0.002
9/15/2008	<0.002	<0.002	<0.002		0.0008			<0.002	<0.002	0.0508	0.0883	<0.002		<0.002
3&4/2009	<0.002	<0.002	<0.002		<0.002			<0.002	<0.00048	0.230	0.0772	<0.00048		<0.00048
9/24/2009	<0.002	<0.002	<0.002		<0.002			<0.002	<0.002	0.126	0.0496	<0.002		<0.002
3/24/2010	<0.002	<0.002	<0.002		<0.002			<0.002	<0.002	0.175	0.0703	<0.002		<0.002

1) All units mg/l and duplicate values are averaged: 2) MW-12 Not sampled after 9/06 due to safety concerns: 3) Modifiers are not included:
4) Blank cells note samples for wells that were either not installed or not sampled

Table 7 - Linam Ranch Gas Plant Summary of Historical Results for Ethylbenzene

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-10D	MW-11	MW-12	MW-13
9/20/1991	0.001	<0.001	<0.001											
11/3/1992	<0.001			0.7	0.003	0.051								
12/2/1992	<0.001			0.53	0.0082	0.058								
1/12/1994	0.0021			0.5	0.160	0.096		<0.005						
5/17/1995	<0.002	<0.001	<0.001	<0.2	0.138	0.087	<0.001	<0.001	<0.001	0.049	<0.001	<0.001	<0.001	<0.001
11/14/1995									<0.001	<0.001	<0.001	<0.001	<0.001	0.001
1/17/1996									<0.001	1.140	<0.001	0.002	<0.001	<0.001
4/24/1996									<0.001	1.190	1.170	<0.002	<0.001	<0.001
1/22/1997									<0.001	0.294	<0.005	<0.001	<0.001	<0.001
8/15/1997									<0.001	0.479	<0.01	0.002	<0.001	<0.001
1/22/1998									<0.001	0.802	<0.001	<0.001	<0.001	<0.001
7/20/1998									<0.001	0.777	0.008	<0.001	<0.001	<0.001
2/9/1999			<0.001						<0.001	0.516	<0.005	<0.001	<0.001	<0.001
8/25/1999	<0.005	<0.005	<0.001		0.262		<0.005	<0.001	<0.005	0.557	0.001	<0.001	<0.001	<0.001
2/22/2000	<0.005	<0.005	<0.001		0.13		<0.005	<0.005	<0.005	0.164	<0.005	0.002	<0.001	<0.001
8/18/2000	<0.001	<0.001	<0.005		0.006		<0.005	<0.001	<0.005	0.072	<0.005	<0.005	<0.005	<0.005
2/7/2001	<0.005	<0.005	<0.005		0.084		<0.005	<0.005	<0.005	0.102	<0.005	<0.001	<0.001	<0.005
8/2/2001	<0.001	<0.001	<0.001		<0.005		<0.005	<0.001	<0.001	0.119	<0.001	<0.001	<0.001	<0.001
3/11/2002	<0.001	<0.001	<0.001	0.450	0.097		<0.001	<0.001	<0.001	0.251	<0.001	<0.001	<0.001	<0.001
9/25/2002	<0.005	<0.001	<0.001	0.526	0.588	0.134	<0.005	<0.001	<0.001	0.290	<0.001	<0.001	<0.001	<0.001
3/10/2003	<0.001	<0.001	<0.001	0.520	0.072	0.148	<0.005	<0.001	<0.001	0.303	<0.005	<0.001	<0.001	<0.001
9/17/2003	<0.001	<0.001	<0.001	0.259	0.182		<0.001	<0.005	<0.005	0.110	<0.005	<0.005	<0.005	<0.005
3/16/2004	<0.001	<0.001	<0.001	0.512	0.241		<0.001	<0.001	<0.001	0.047	<0.001	<0.001	<0.001	<0.001
8/18/2004	<0.001	<0.001	<0.001	0.403	0.081		<0.001	<0.001	<0.001	0.119	0.001	<0.001	<0.001	<0.001
3/15/2005	<0.001	<0.001	<0.001		0.309		<0.001	<0.001	<0.001	0.888	0.0143	<0.005	<0.001	<0.001
9/29/2005	0.011	<0.001	<0.001		0.267		<0.001	<0.001	<0.001	0.238	0.0061	<0.001	<0.001	<0.001
3/22/2006	0.0013	<0.001	<0.001		0.239		<0.001	<0.001	<0.001	0.241	0.0295	<0.001	<0.005	<0.001
9/21/2006	<0.001	<0.001	<0.001		0.407		<0.001	<0.001	<0.001	0.204	0.0075	<0.001	<0.001	<0.001
3/20/2007	<0.001	0.0022	0.0022		0.1975		<0.001	<0.001	<0.001	0.222	<0.001	<0.001		<0.001
9/28/2007	<0.001	<0.001	<0.001		0.0374		<0.001	<0.001	<0.001	0.163	0.0212	<0.001		<0.001
4/30/2008	<0.002	<0.002	<0.002		0.182		<0.002	<0.002	<0.002	0.0851	0.0144	<0.002		<0.002
9/15/2008	<0.002	<0.002	<0.002		0.2375			<0.002	<0.002	0.0932	0.0235	<0.002		<0.002
3&4/2009	<0.002	<0.002	<0.002		0.104			<0.002	<0.00045	0.0859	0.0203	<0.00045		<0.00045
9/24/2009	<0.002	<0.002	<0.002		0.227			<0.002	<0.002	0.148	0.0127	<0.002		<0.002
3/24/2010	<0.002	<0.002	<0.002		0.482			<0.002	<0.002	0.246	0.0129	<0.002		<0.002

1) All units mg/l and duplicate values are averaged: 2) MW-12 Not sampled after 9/06 due to safety concerns: 3) Modifiers are not included:
4) Blank cells note samples for wells that were either not installed or not sampled

Table 8 - Linam Ranch Gas Plant Summary of Historical Results for Total Xylenes

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-10D	MW-11	MW-12	MW-13
9/20/1991	<0.001	<0.001	<0.001											
11/3/1992	0.010			1.8	0.034	0.120								
12/2/1992	0.006			1.3	0.037	0.120								
1/12/1994	0.002			1.3	0.490	0.210		<0.005						
5/17/1995	<0.002	<0.001	<0.001	11.4	0.831	0.181	<0.001	<0.001	<0.001	0.169	0.008	<0.001	<0.001	<0.001
11/14/1995									<0.001	0.406	0.011	0.013	<0.001	<0.001
1/17/1996									0.001	1.050	0.047	0.031	<0.001	<0.001
4/24/1996									<0.001	0.127	0.076	<0.002	<0.001	<0.001
1/22/1997									<0.001	8.97	<0.005	0.017	<0.001	<0.001
8/15/1997									<0.001	0.453	<0.01	0.007	<0.001	0.005
1/22/1998									<0.001	0.635	<0.001	0.015	<0.001	<0.001
7/20/1998									<0.001	0.606	0.006	0.010	<0.001	<0.001
2/9/1999			<0.001						<0.001	0.372	<0.005	<0.001	<0.001	<0.001
8/25/1999	0.006	<0.005	<0.001		0.179		<0.005	<0.001	<0.005	0.359	0.002	<0.001	<0.001	<0.001
2/22/2000	0.006	<0.005	<0.001		0.09		<0.005	<0.005	<0.005	0.124	<0.005	0.008	<0.001	<0.001
8/18/2000	0.011	<0.001	<0.005		0.008		<0.005	<0.001	<0.005	0.038	<0.005	<0.005	<0.005	<0.005
2/7/2001	<0.005	<0.005	<0.005		<0.005		<0.005	<0.005	<0.005	0.086	<0.005	<0.001	<0.001	<0.005
8/2/2001	<0.001	<0.001	<0.001		<0.005		<0.005	<0.001	<0.001	<0.02	<0.001	<0.001	<0.001	<0.001
3/11/2002	<0.001	<0.001	<0.001	0.166	<0.001		<0.001	<0.001	<0.001	0.550	<0.001	<0.001	<0.001	<0.001
9/25/2002	<0.005	<0.001	<0.001	<0.100	0.112	0.058	<0.005	<0.001	0.002	0.155	<0.001	<0.001	<0.001	<0.001
3/10/2003	<0.001	<0.001	<0.001	0.151	<0.050	<0.100	<0.005	<0.001	0.003	<0.100	<0.005	<0.001	<0.001	<0.001
9/17/2003	<0.001	<0.001	<0.001	<0.200	<0.001		<0.001	<0.005	<0.005	0.044	<0.005	<0.005	<0.005	<0.005
3/16/2004	<0.001	<0.001	<0.001	<0.200	0.005		<0.001	<0.001	0.012	0.023	<0.001	<0.001	<0.001	<0.001
8/18/2004	<0.001	<0.001	<0.001	<0.100	<0.005		<0.00	<0.001	0.004	0.071	<0.001	<0.001	<0.001	<0.001
3/15/2005	<0.001	<0.001	<0.001		0.298		<0.001	<0.001	0.0049	1.09	0.0146	0.0115	<0.001	<0.001
9/29/2005	0.0081	<0.001	<0.001		0.327		<0.001	<0.001	<0.001	0.353	0.0119	<0.001	<0.001	<0.001
3/22/2006	<0.001	<0.001	<0.001		0.296		<0.001	<0.001	<0.001	0.304	0.0267	<0.001	<0.005	<0.001
9/21/2006	0.0017	<0.001	<0.001		0.178		0.0015	<0.001	<0.001	0.238	0.0205	<0.001	<0.001	<0.001
3/20/2007	<0.001	<0.001	<0.001		0.0221		<0.001	<0.001	0.0075	0.279	<0.001	<0.001		<0.001
9/28/2007	<0.001	<0.001	<0.001		<0.001		<0.001	<0.001	<0.001	0.213	0.0375	<0.001		<0.001
4/30/2008	<0.006	<0.006	<0.006		0.0039		<0.006	<0.006	0.05	0.05	<0.006	<0.006		<0.006
9/15/2008	<0.006	<0.006	<0.006		0.3400			<0.006	<0.006	0.0433	0.0347	<0.006		<0.006
3&4/2009	<0.006	<0.006	<0.006		<0.006			<0.006	<0.0014	0.0759	0.0296	<0.0014		<0.0014
9/24/2009	<0.006	<0.006	<0.006		<0.006			<0.006	<0.006	0.154	0.0261	<0.006		<0.006
3/24/2010	<0.006	<0.006	<0.006		0.460			<0.006	<0.006	0.156	0.0202	<0.006		<0.006

1) All units mg/l and duplicate values are averaged: 2) MW-12 Not sampled after 9/06 due to safety concerns: 3) Modifiers are not included:
4) Blank cells note samples for wells that were either not installed or not sampled

FIGURES

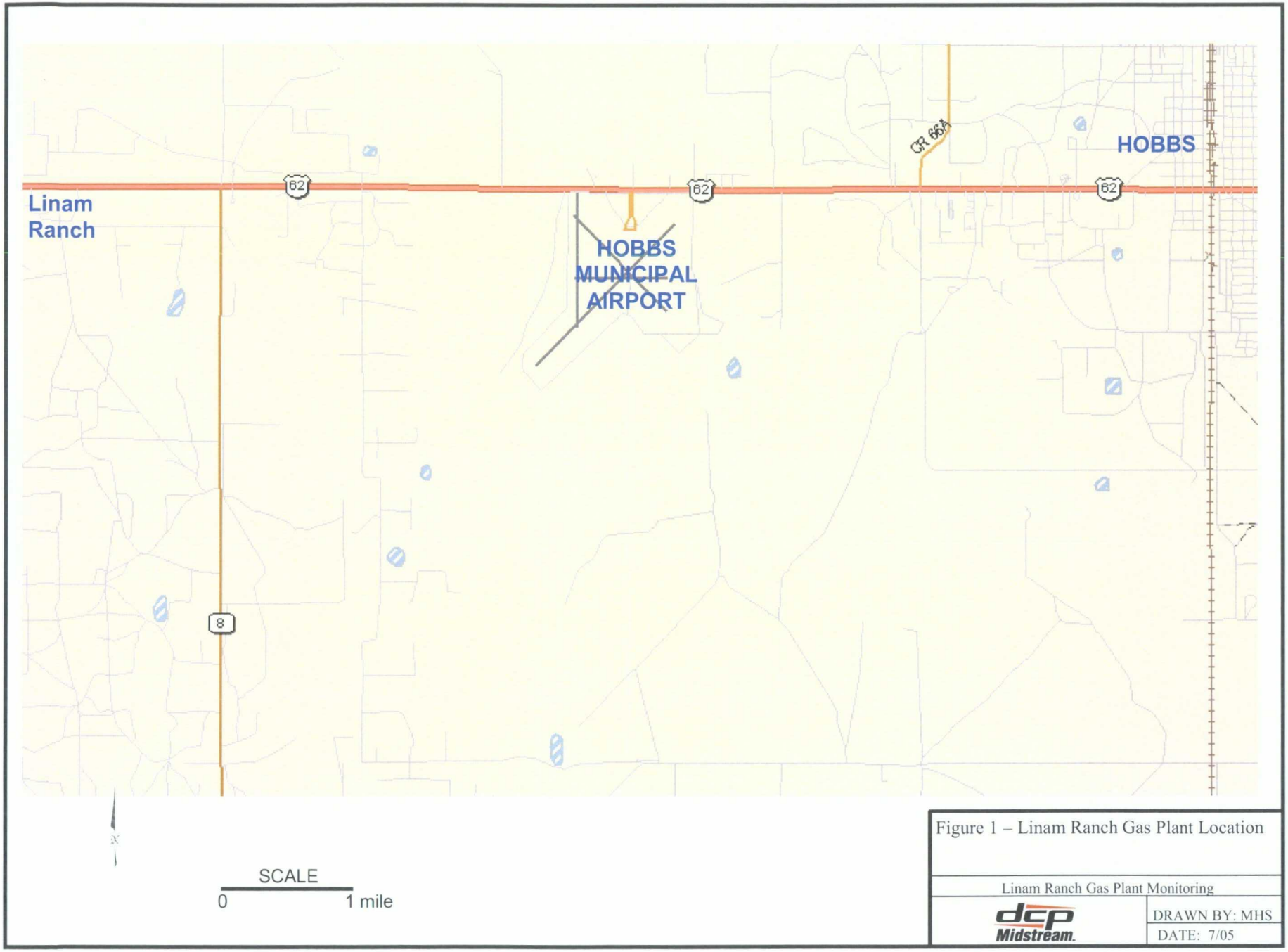


Figure 1 – Linam Ranch Gas Plant Location

Linam Ranch Gas Plant Monitoring

dcp Midstream.

DRAWN BY: MHS

DATE: 7/05

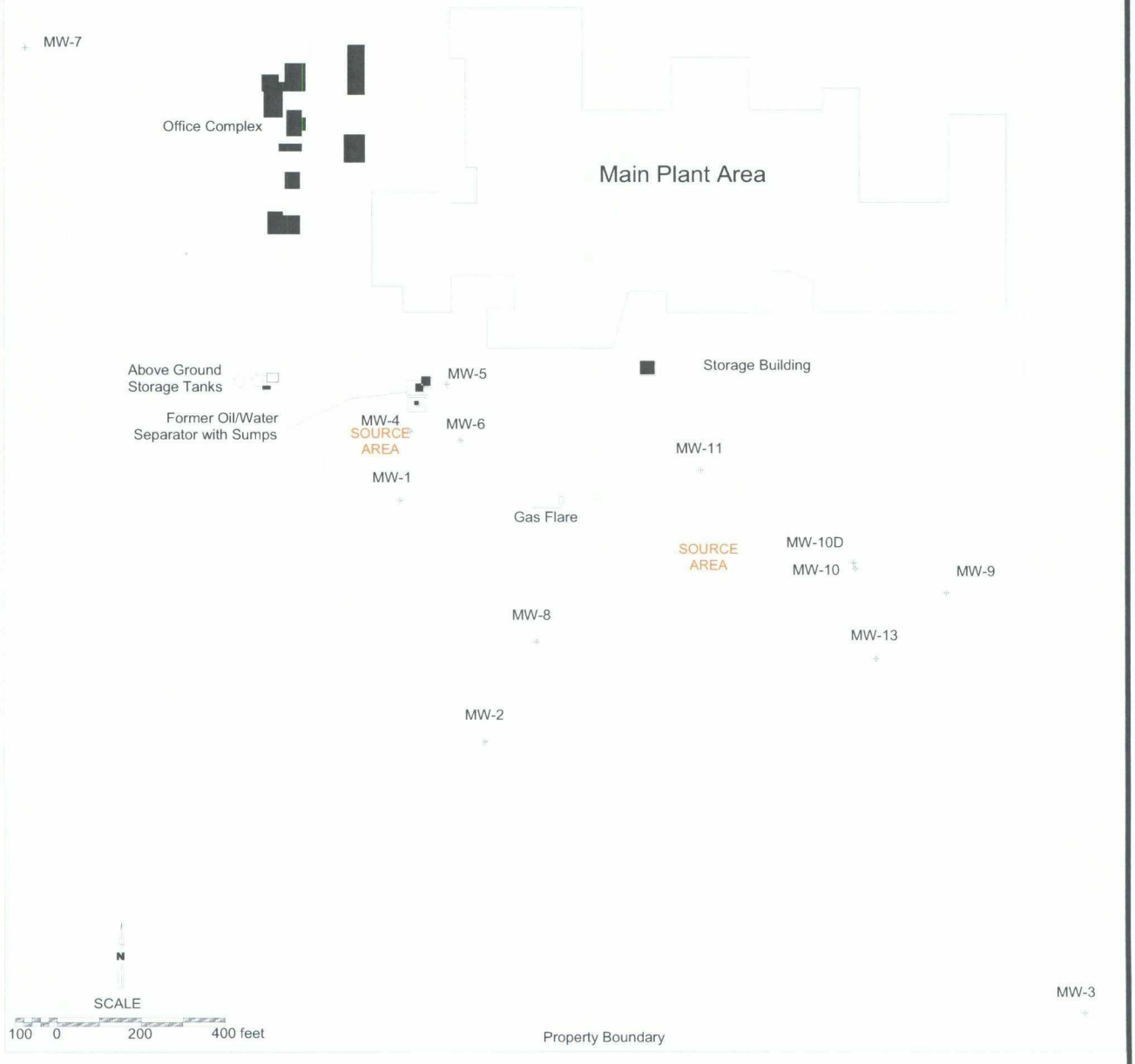


Figure 2 – Monitor Well Locations

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY:	MHS
REVISED:	10/09
DATE:	6/07

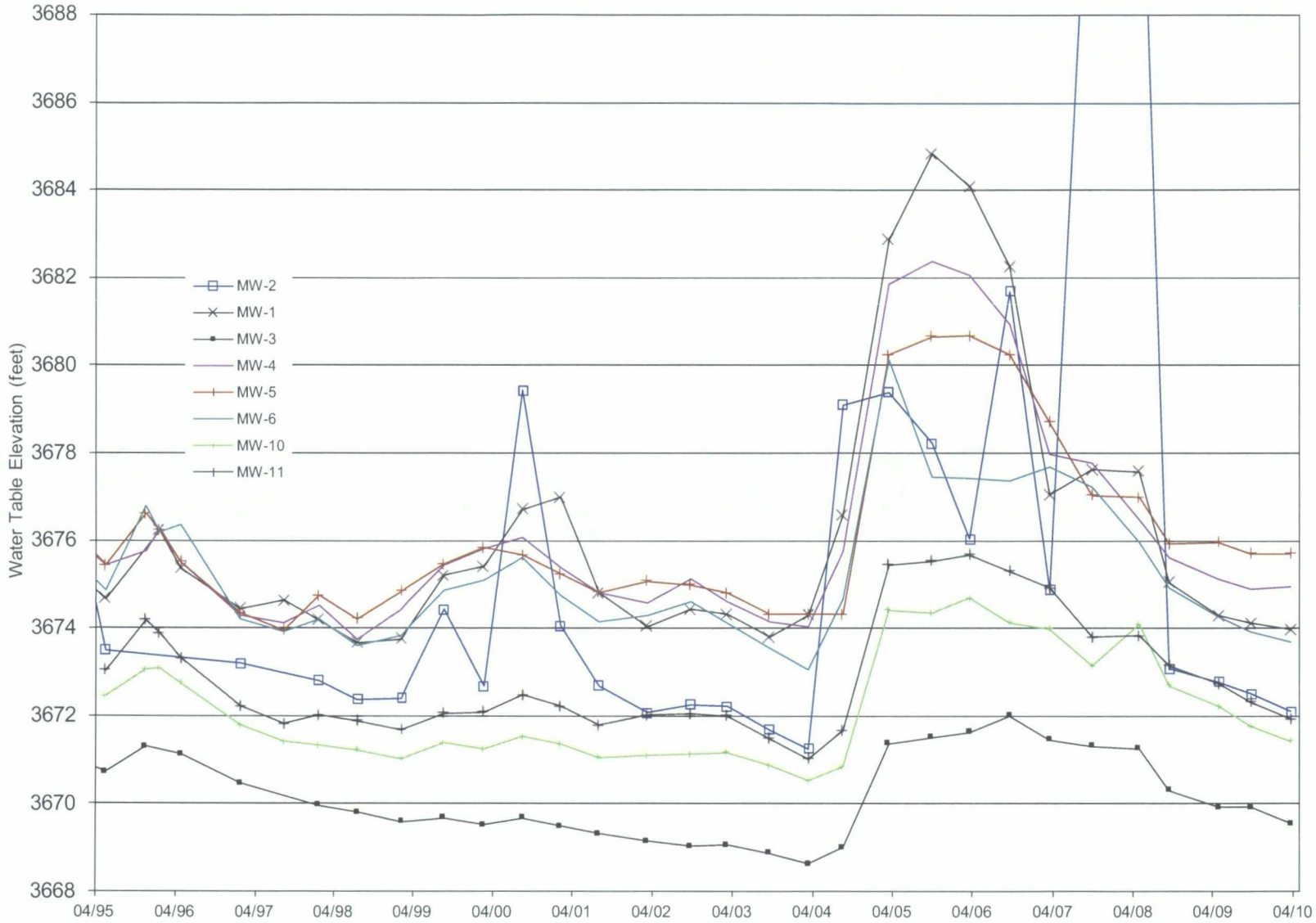


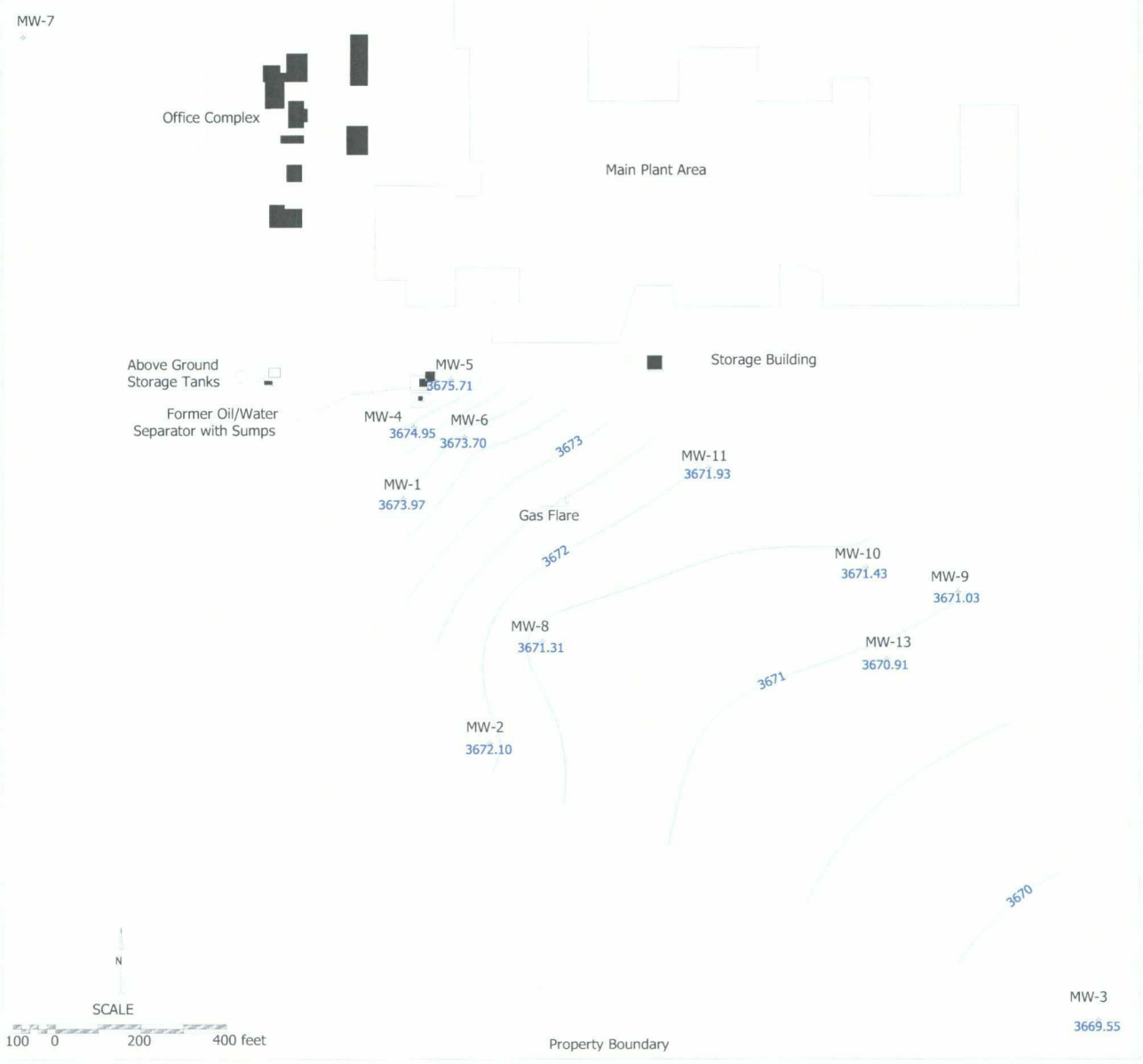
Figure 3 – Linam Ranch Gas Plant Hydrographs

Linam Ranch Gas Plant Monitoring

dcp Midstream.

DRAWN BY: MHS

DATE: 6/10



Contour Interval is 0.5 feet

Figure 4 – March 2010 Water Table Elevation Contours

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY:	MHS
REVISED:	
DATE	6/10

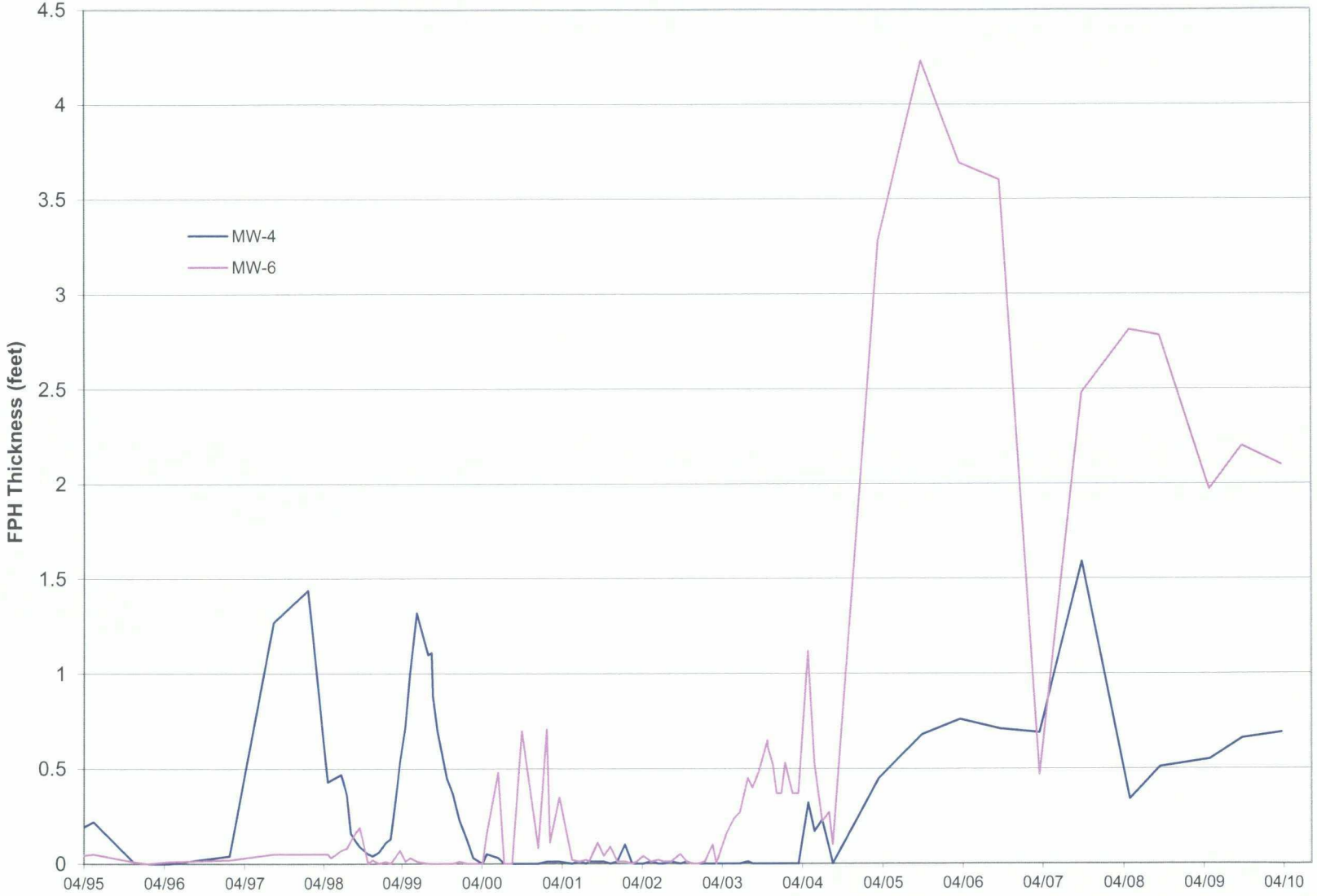


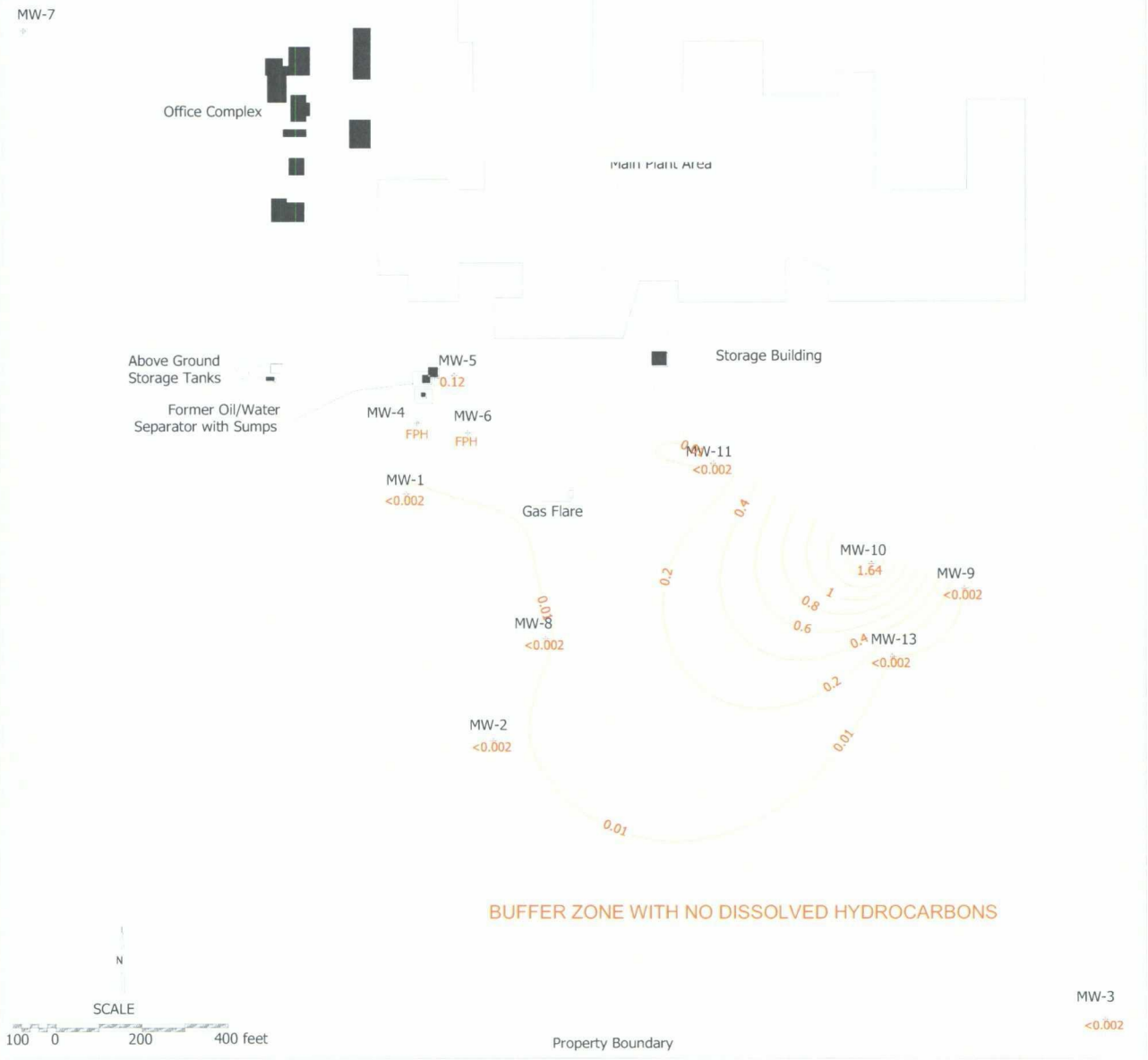
Figure 5 – Linam Ranch Free Phase Hydrocarbon Thickness

Linam Ranch Gas Plant Monitoring

dcp Midstream.

DRAWN BY: MHS

DATE: 6/10



FPH: Free phase hydrocarbons
Contour interval is 0.1 mg/l with an additional 0.01 mg/l isopleth
Wells with a 0.005 mg/l value are below the method reporting limit

Figure 6 – March 2010 Benzene Distribution
Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY: MHS
REVISED:
DATE 6/10

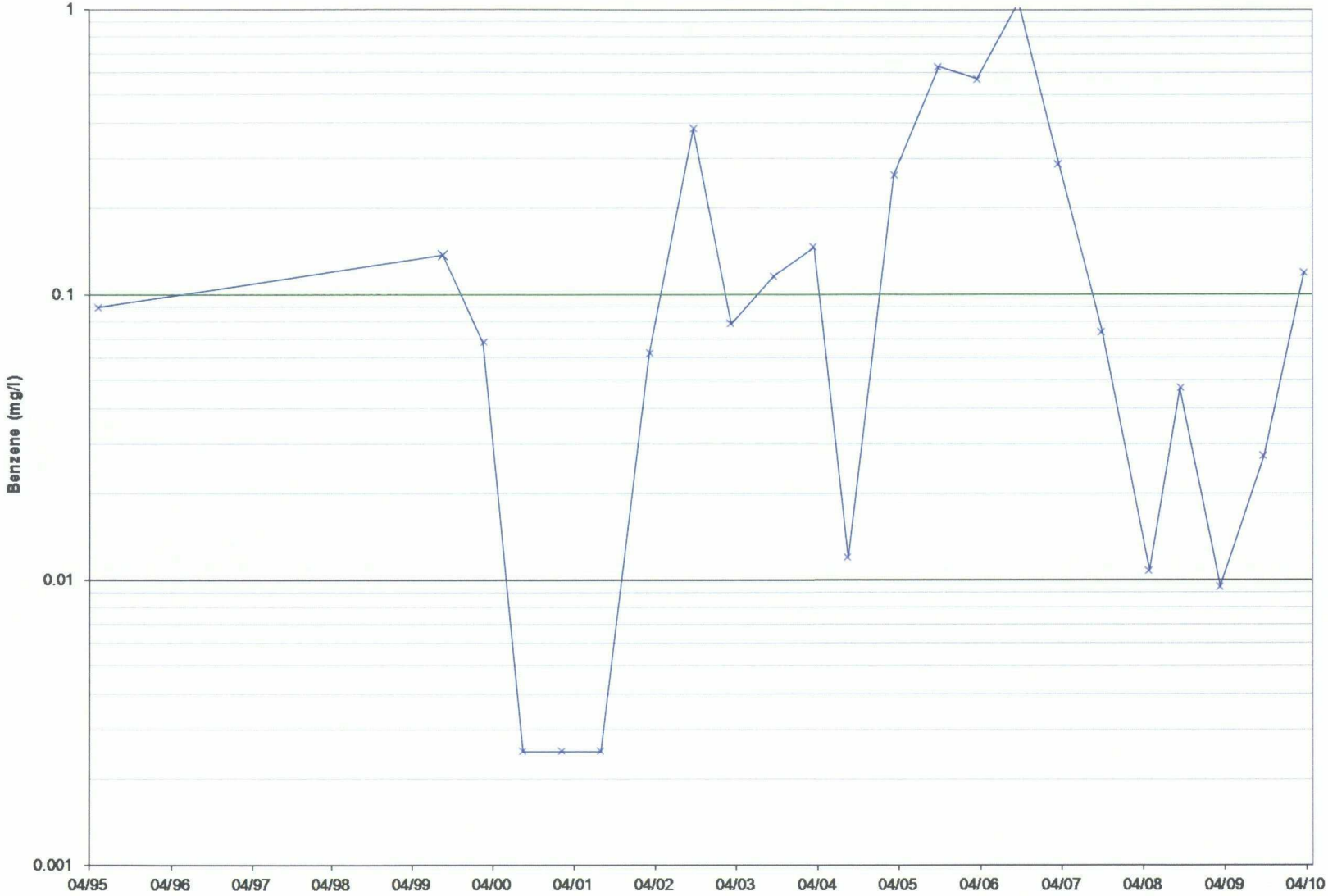


Figure 7 – Benzene Concentrations in MW-5

Linam Ranch Gas Plant Monitoring

dcp Midstream.

DRAWN BY: MHS

DATE: 6/10

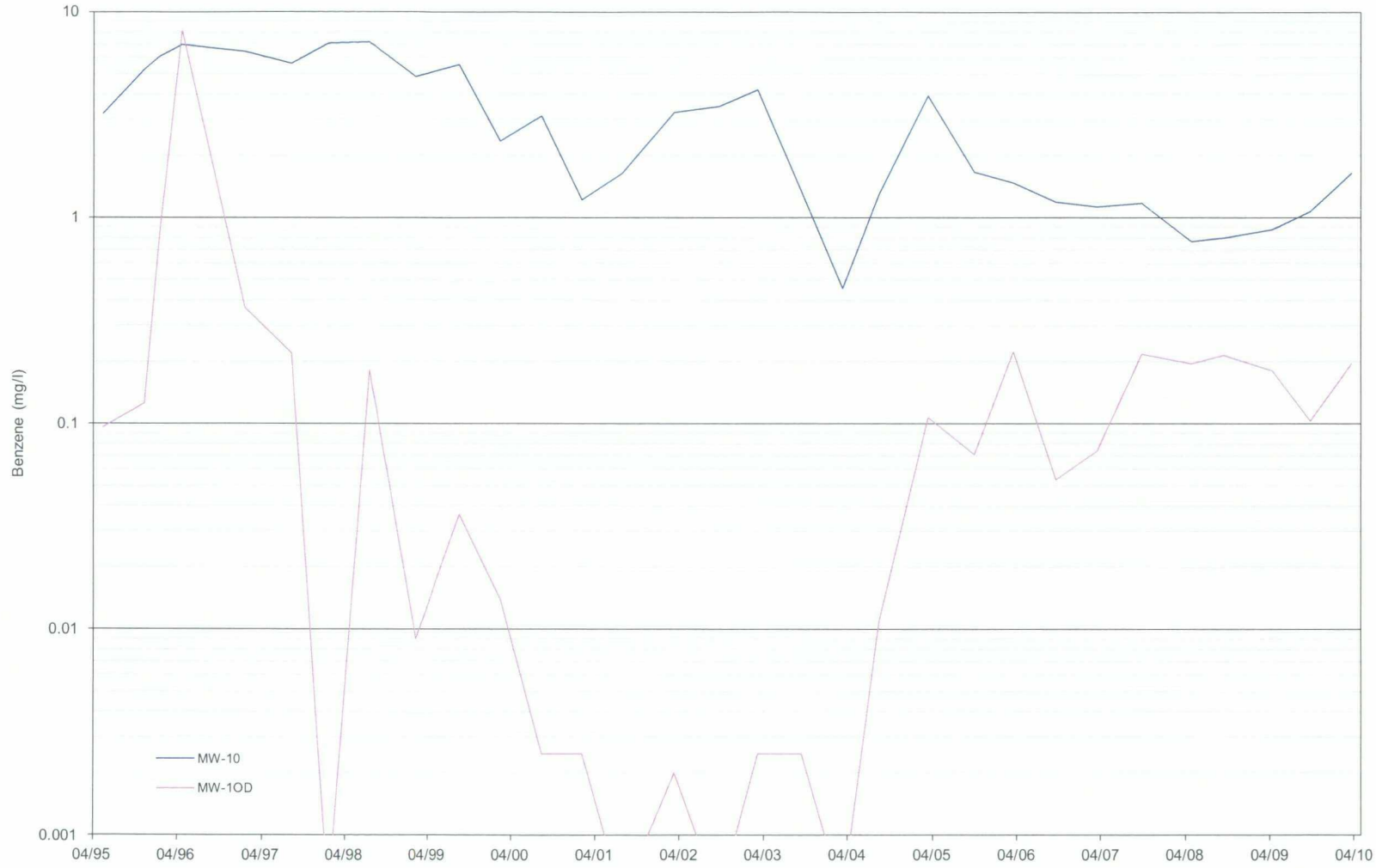


Figure 8 – Benzene Concentrations for MW-10 and MW-10d

Linam Ranch Gas Plant Monitoring

dcp Midstream.

DRAWN BY: MHS

DATE: 6/10

FIELD SAMPLING DATA AND

LABORATORY ANALYTICAL REPORT

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-1**
SITE NAME: Linam Ranch Gas Plant
DATE: 3/24/2010
PROJECT NO.
SAMPLER: A Taylor/M Stewart

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

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

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 54.20 Feet
DEPTH TO WATER: 46.21 Feet
HEIGHT OF WATER COLUMN: 7.99 Feet
WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	4.5	16.6	0.86	7.03			
			4.5 :Total Vol (gal)				

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

ANALYSES: 8260B

COMMENTS: Purged 3 casing volumes and measured because of instrument stability problems

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-2**
SITE NAME: Linam Ranch Gas Plant
DATE: 3/24/2010
PROJECT NO. _____
SAMPLER: A Taylor/M Stewart

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

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 50.50 Feet
DEPTH TO WATER: 45.14 Feet
HEIGHT OF WATER COLUMN: 5.36 Feet
WELL DIAMETER: 2.0 Inch

2.6 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
	1.25	14.2	0.36	7.61			Bailed down at 1.25 gallons
			1.25 :Total Vol (gal)				

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

ANALYSES: 8260B

COMMENTS: Purged 3 casing volumes and measured because of instrument stability problems

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-3**
SITE NAME: Linam Ranch Gas Plant
DATE: 3/24/2010
PROJECT NO. _____
SAMPLER: A Taylor/M Stewart

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

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 55.30 Feet
DEPTH TO WATER: 48.15 Feet
HEIGHT OF WATER COLUMN: 7.15 Feet
WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	3.9	18	0.34	6.70			
			3.9 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-3 and MW-3 MS/MSD (matrix spike, matrix spike duplicate)

ANALYSES: 8260B

COMMENTS: Purged 3 casing volumes and measured because of instrument stability problems

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-5**
SITE NAME: Linam Ranch Gas Plant
DATE: 3/24/2010
PROJECT NO. _____
SAMPLER: A Taylor/M Stewart

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

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drums ☑ Disposal Facility

TOTAL DEPTH OF WELL: 55.20 Feet
DEPTH TO WATER: 47.89 Feet
HEIGHT OF WATER COLUMN: 7.31 Feet
WELL DIAMETER: 4.0 Inch

14.3 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
							Purged 15 gallons
			0	:Total Vol (gal)			

SAMPLE NO.: Collected Sample No.: MW-5 and duplicate sample
ANALYSES: 8260B
COMMENTS: No measurements recorded due to high hydrocarbon levels

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-8**
SITE NAME: Linam Ranch Gas Plant
DATE: 3/24/2010
PROJECT NO.
SAMPLER: A Taylor/M Stewart

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type:
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:
DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:
☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 58.30 Feet
DEPTH TO WATER: 44.87 Feet
HEIGHT OF WATER COLUMN: 13.43 Feet
WELL DIAMETER: 4.0 Inch

26.3 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	28.5	17.5	0.33	7.32			
			28.5 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-8
ANALYSES: 8260B
COMMENTS: Purged 3 casing volumes and measured because of instrument stability problems

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-9**
SITE NAME: Linam Ranch Gas Plant
DATE: 3/24/2010
PROJECT NO.
SAMPLER: A Taylor/M Stewart

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

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

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 59.10 Feet
DEPTH TO WATER: 51.45 Feet
HEIGHT OF WATER COLUMN: 7.65 Feet
WELL DIAMETER: 2.0 Inch

3.7 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
	3.9	15.8	1.24	6.90			
			3.9 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-9

ANALYSES: 8260B

COMMENTS: Purged 3 casing volumes and measured because of instrument stability problems

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-10**
SITE NAME: Linam Ranch Gas Plant
DATE: 3/24/2010
PROJECT NO. _____
SAMPLER: A Taylor/M Stewart

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

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drums ☑ Disposal Facility

TOTAL DEPTH OF WELL: 65.00 Feet
DEPTH TO WATER: 51.47 Feet
HEIGHT OF WATER COLUMN: 13.53 Feet
WELL DIAMETER: 4.0 Inch

26.5 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	27.9	17.2	1.03	7.10			
			27.9 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-10

ANALYSES: 8260B

COMMENTS: Purged 3 casing volumes and measured because of instrument stability problems

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-10d**
SITE NAME: Linam Ranch Gas Plant
DATE: 3/24/2010
PROJECT NO. _____
SAMPLER: A Taylor/M Stewart

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

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drums ☑ Disposal Facility

TOTAL DEPTH OF WELL: 79.00 Feet
DEPTH TO WATER: 52.26 Feet
HEIGHT OF WATER COLUMN: 26.74 Feet
WELL DIAMETER: 2.0 Inch

13.1 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
	13.5	16.6	0.77	6.87			
			13.5 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-10D
ANALYSES: 8260B
COMMENTS: Purged 3 casing volumes and measured because of instrument stability problems

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-11**
SITE NAME: Linam Ranch Gas Plant
DATE: 3/24/2010
PROJECT NO.
SAMPLER: A Taylor/M Stewart

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

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

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 62.80 Feet
DEPTH TO WATER: 52.60 Feet
HEIGHT OF WATER COLUMN: 10.20 Feet
WELL DIAMETER: 4.0 Inch

20.0 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	21.0	19.0	0.83	6.91			
			21 :Total Vol (gal)				

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

ANALYSES: 8260B

COMMENTS: Purged 3 casing volumes and measured because of instrument stability problems

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-13**
SITE NAME: Linam Ranch Gas Plant
DATE: 3/24/2010
PROJECT NO. _____
SAMPLER: A Taylor/M Stewart

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

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

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

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 63.00 Feet
DEPTH TO WATER: 53.08 Feet
HEIGHT OF WATER COLUMN: 9.92 Feet
WELL DIAMETER: 4.0 Inch

19.4 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	21.0	16.9	0.89				
			21	:Total Vol (gal)			

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

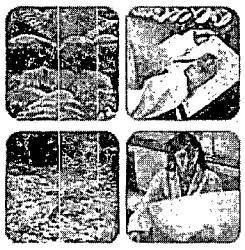
ANALYSES: 8260B

COMMENTS: Purged 3 casing volumes and measured because of instrument stability problems

Gulf Coast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/14/10



Technical Report for

DCP Midstream, LLC

AECCOLI: DCP Midstream Linam Ranch

Accutest Job Number: T49814

Sampling Date: 03/24/10

Report to:

American Environmental Consulting

mstewart@aecdenver.com

ATTN: Mike Stewart

Total number of pages in report: **35**

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

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Client Service contact: Georgia Jones 713-271-4700

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

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Sample Summary

DCP Midstream, LLC

Job No: T49814

AECCOLI: DCP Midstream Linam Ranch

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
T49814-1	03/24/10	11:10 MS	03/25/10	AQ	Ground Water	MW-1
T49814-2	03/24/10	10:45 MS	03/25/10	AQ	Ground Water	MW-2
T49814-3	03/24/10	09:40 MS	03/25/10	AQ	Ground Water	MW-3
T49814-3D	03/24/10	09:40 MS	03/25/10	AQ	Water Dup/MSD	MW-3 MSD
T49814-3S	03/24/10	09:40 MS	03/25/10	AQ	Water Matrix Spike	MW-3 MS
T49814-4	03/24/10	11:45 MS	03/25/10	AQ	Ground Water	MW-5
T49814-5	03/24/10	10:50 MS	03/25/10	AQ	Ground Water	MW-8
T49814-6	03/24/10	08:30 MS	03/25/10	AQ	Ground Water	MW-9
T49814-7	03/24/10	09:15 MS	03/25/10	AQ	Ground Water	MW-10
T49814-8	03/24/10	09:00 MS	03/25/10	AQ	Ground Water	MW-10D
T49814-9	03/24/10	10:20 MS	03/25/10	AQ	Ground Water	MW-11
T49814-10	03/24/10	08:30 MS	03/25/10	AQ	Ground Water	MW-13
T49814-11	03/24/10	00:00 MS	03/25/10	AQ	Ground Water	DUP

Sample Summary
(continued)

DCP Midstream, LLC

Job No: T49814

AECCOLI: DCP Midstream Linam Ranch

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T49814-12	03/24/10	00:00	MS	03/25/10	AQ	Trip Blank Water	TRIP BLANK

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	T49814-1	Date Sampled:	03/24/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007806.D	1	04/01/10	RR	n/a	n/a	VC363
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-122%
17060-07-0	1,2-Dichloroethane-D4	103%		75-121%
2037-26-5	Toluene-D8	94%		87-119%
460-00-4	4-Bromofluorobenzene	87%		80-133%

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

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	T49814-2	Date Sampled:	03/24/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007936.D	1	04/04/10	RR	n/a	n/a	VC368
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		79-122%
17060-07-0	1,2-Dichloroethane-D4	100%		75-121%
2037-26-5	Toluene-D8	96%		87-119%
460-00-4	4-Bromofluorobenzene	83%		80-133%

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

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Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	T49814-3	Date Sampled:	03/24/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007809.D	1	04/01/10	RR	n/a	n/a	VC363
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-122%
17060-07-0	1,2-Dichloroethane-D4	103%		75-121%
2037-26-5	Toluene-D8	94%		87-119%
460-00-4	4-Bromofluorobenzene	82%		80-133%

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

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	T49814-4	Date Sampled:	03/24/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007807.D	5	04/01/10	RR	n/a	n/a	VC363
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.119	0.010	0.0025	mg/l	
108-88-3	Toluene	ND	0.010	0.0022	mg/l	
100-41-4	Ethylbenzene	0.702	0.010	0.0027	mg/l	
1330-20-7	Xylene (total)	0.916	0.030	0.0084	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		79-122%
17060-07-0	1,2-Dichloroethane-D4	99%		75-121%
2037-26-5	Toluene-D8	96%		87-119%
460-00-4	4-Bromofluorobenzene	91%		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

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Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	T49814-5	Date Sampled:	03/24/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007795.D	1	04/01/10	RR	n/a	n/a	VC362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-122%
17060-07-0	1,2-Dichloroethane-D4	102%		75-121%
2037-26-5	Toluene-D8	97%		87-119%
460-00-4	4-Bromofluorobenzene	85%		80-133%

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

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	T49814-6	Date Sampled:	03/24/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007796.D	1	04/01/10	RR	n/a	n/a	VC362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	102%		75-121%
2037-26-5	Toluene-D8	97%		87-119%
460-00-4	4-Bromofluorobenzene	88%		80-133%

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

Accutest LabLink@42596 13:48 14-Apr-2010

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	T49814-7	Date Sampled:	03/24/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007813.D	10	04/01/10	RR	n/a	n/a	VC363
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.64	0.020	0.0050	mg/l	
108-88-3	Toluene	0.175	0.020	0.0043	mg/l	
100-41-4	Ethylbenzene	0.246	0.020	0.0055	mg/l	
1330-20-7	Xylene (total)	0.156	0.060	0.017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		79-122%
17060-07-0	1,2-Dichloroethane-D4	98%		75-121%
2037-26-5	Toluene-D8	98%		87-119%
460-00-4	4-Bromofluorobenzene	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-10D		
Lab Sample ID:	T49814-8	Date Sampled:	03/24/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007814.D	1	04/01/10	RR	n/a	n/a	VC363
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.196	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.0703	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	0.0129	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	0.0202	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		79-122%
17060-07-0	1,2-Dichloroethane-D4	97%		75-121%
2037-26-5	Toluene-D8	98%		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@42596 13:48 14-Apr-2010

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	T49814-9	Date Sampled:	03/24/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007937.D	1	04/04/10	RR	n/a	n/a	VC368
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-122%
17060-07-0	1,2-Dichloroethane-D4	100%		75-121%
2037-26-5	Toluene-D8	100%		87-119%
460-00-4	4-Bromofluorobenzene	82%		80-133%

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

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	T49814-10	Date Sampled:	03/24/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007815.D	1	04/01/10	RR	n/a	n/a	VC363
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-122%
17060-07-0	1,2-Dichloroethane-D4	100%		75-121%
2037-26-5	Toluene-D8	93%		87-119%
460-00-4	4-Bromofluorobenzene	88%		80-133%

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

Accutest LabLink@42596 13:48 14-Apr-2010

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	T49814-11	Date Sampled:	03/24/10
Matrix:	AQ - Ground Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007816.D	1	04/01/10	RR	n/a	n/a	VC363
Run #2	C0007837.D	25	04/02/10	RR	n/a	n/a	VC364

	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	0.141	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	0.262 [a]	0.050	0.014	mg/l	
1330-20-7	Xylene (total)	0.0049	0.0060	0.0017	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	104%	79-122%
17060-07-0	1,2-Dichloroethane-D4	100%	102%	75-121%
2037-26-5	Toluene-D8	96%	90%	87-119%
460-00-4	4-Bromofluorobenzene	94%	84%	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:	TRIP BLANK		
Lab Sample ID:	T49814-12	Date Sampled:	03/24/10
Matrix:	AQ - Trip Blank Water	Date Received:	03/25/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0007836.D	1	04/02/10	RR	n/a	n/a	VC364
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		79-122%
17060-07-0	1,2-Dichloroethane-D4	100%		75-121%
2037-26-5	Toluene-D8	91%		87-119%
460-00-4	4-Bromofluorobenzene	81%		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 # T49814

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 Linam Ranch
Bill to: Same | Invoice Attn.:
Address:
City | State | Zip
Phone No. | Fax No.:
Client Purchase Order #

Requested Analyses

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH	ZnAc	H2SO4	EnCore	NaHSO4	MeOH	None	BTEX 8260B	LAB USE ONLY
1	MW-1	3/24/2010	1110	GW	3	X								X	
2	MW-2	3/24	1045	GW	3	X								X	
3	MW-3	3/24	940	GW	3	X								X	
4	MW-5	3/24	1145	GW	3	X								X	
X	MW-7	—	—	GW	3	X								X	
5	MW-8	3/24	1050	GW	3	X								X	
6	MW-9	3/24	830	GW	3	X								X	
7	MW-10	3/24	915	GW	3	X								X	
8	MW-10d	3/24	900	GW	3	X								X	
3	~~MW-10~~MS/MSD MW-3	3/24	940	GW	6	X								X	

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

Turnaround Time (Business days)

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

Approved By/ Date:

Real time analytical data available via Lablink

Data Deliverable Information

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

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

Comments / Remarks

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	3/24/10 600	1	2 FedEx	07/25/10 0920	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		5		☐	☑ 2.8

T49814: 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 # T49814

Client / Reporting Information

Company Name	Project Name / No.
DCP Midstream	DCP Midstream Linam Ranch
Project Contact / E-Mail	**Bill to** / Invoice Attn.
Stephen Weathers SWWeathers@dcpmidstream.com	Same
Address	**Address**
370 Seventeenth Street, Suite 2500	
City / State / Zip	**City** / State / Zip
Denver CO 80202	
Phone No. / Fax No.	**Phone No.** / Fax No.
303-605-1718	
Samplers's Name	**Client Purchase Order #**
M. Stewart / A. Taylor	

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	NH4SCN	MEOH	NONE	BTEX 8260B	LAB USE ONLY
9	MW-11	3/24/2010	1020	GW	3	X								X	
X	MW-12	—	—	GW	3	X								X	
10	MW-13	3/24	830	GW	3	X								X	
11	Dup	3/24	—	GW	3	X								X	
12	Trip Blank	3/24	—	WTB	3	X								X	

Turnaround Time (Business days)

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

Approved By/ Date: _____

Real time analytical data available via Lablink

Data Deliverable Information

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

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

Comments / Remarks

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		3/24/10 600	1	2 Fed Ex	03/25/10 0920	2
3	Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable ☐	On Ice ☒ Cooler Temp. 2 : 8

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T49814: Chain of Custody
Page 2 of 4

SAMPLE INSPECTION FORM

Accutest Job Number: T49814 Client: DCP Midstream Date/Time Received: 03/25/10 0920

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

Cooler Temps: #1: 2.8 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____

Method of Delivery: ~~FEDEX~~ UPS Accutest Courier Greyhound Delivery Other

Airbill Numbers: _____

COOLER INFORMATION

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

CHAIN OF CUSTODY

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

SAMPLE INFORMATION

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

TRIP BLANK INFORMATION

- [ ] Trip Blank on COC but not received
- [ ] Trip Blank received but not on COC
- [ ] Trip Blank not intact
- [ ] Received Water Trip Blank
- [ ] Received Soil TB

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

Summary of Discrepancies:

TECHNICIAN SIGNATURE/DATE: [signature] 03/25/10

INFORMATION AND SAMPLE LABELING VERIFIED BY: [signature] 3.25.10

CORRECTIVE ACTIONS

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

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

Client Instructions:

I:\mwalker\forms\samplemanagement

T49814: Chain of Custody
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SAMPLE RECEIPT LOG

JOB #: T49814 DATE/TIME RECEIVED: 03/25/10 0920

CLIENT: DCP Midstream INITIALS: FF

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH	
1	1	MW-1	3/24/10 1110	W	40ml	1-3	VR	1 (2) 3 4 5 6 7 8	<2	>12
	2	MW-2	1045			1-3		1 (2) 3 4 5 6 7 8	<2	>12
	3	MW-3	940			1-3		1 (2) 3 4 5 6 7 8	<2	>12
						4-6		1 (2) 3 4 5 6 7 8	<2	>12
						7-9		1 (2) 3 4 5 6 7 8	<2	>12
	4	MW-5	1145			1-3		1 (2) 3 4 5 6 7 8	<2	>12
	5	MW-8	1050					1 (2) 3 4 5 6 7 8	<2	>12
	6	MW-9	0830					1 (2) 3 4 5 6 7 8	<2	>12
	7	MW-10	0915					1 (2) 3 4 5 6 7 8	<2	>12
	8	MW-10d	0900					1 (2) 3 4 5 6 7 8	<2	>12
	9	MW-11	0940					1 (2) 3 4 5 6 7 8	<2	>12
	~~10~~	~~MW-12~~	~~1020~~					1 (2) 3 4 5 6 7 8	<2	>12
	10	MW-13	0830					1 (2) 3 4 5 6 7 8	<2	>12
	11	Dup						1 (2) 3 4 5 6 7 8	<2	>12
	12	Trip Blank				1-2		1 (2) 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
		3/25/10						1 2 3 4 5 6 7 8	<2	>12
	FF							1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12

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

LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer

Rev 8/13/01 ewp

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T49814: Chain of Custody
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ACCUTEST Laboratories T49814

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: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

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

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

T49814-5, T49814-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	79-122%
17060-07-0	1,2-Dichloroethane-D4	100%	75-121%
2037-26-5	Toluene-D8	95%	87-119%
460-00-4	4-Bromofluorobenzene	91%	80-133%

Method Blank Summary

Job Number: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

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

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

T49814-1, T49814-3, T49814-4, T49814-7, T49814-8, T49814-10, T49814-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	79-122%
17060-07-0	1,2-Dichloroethane-D4	99%	75-121%
2037-26-5	Toluene-D8	95%	87-119%
460-00-4	4-Bromofluorobenzene	85%	80-133%

Method Blank Summary

Job Number: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC364-MB	C0007835.D	1	04/02/10	RR	n/a	n/a	VC364

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

T49814-11, T49814-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	79-122%
17060-07-0	1,2-Dichloroethane-D4	99%	75-121%
2037-26-5	Toluene-D8	94%	87-119%
460-00-4	4-Bromofluorobenzene	85%	80-133%

Method Blank Summary

Job Number: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC368-MB	C0007916.D	1	04/04/10	RR	n/a	n/a	VC368

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

T49814-2, T49814-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	79-122%
17060-07-0	1,2-Dichloroethane-D4	100%	75-121%
2037-26-5	Toluene-D8	95%	87-119%
460-00-4	4-Bromofluorobenzene	85%	80-133%

Blank Spike Summary

Job Number: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

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

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

T49814-5, T49814-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.9	100	76-118
100-41-4	Ethylbenzene	25	24.4	98	75-112
108-88-3	Toluene	25	25.4	102	77-114
1330-20-7	Xylene (total)	75	71.2	95	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	79-122%
17060-07-0	1,2-Dichloroethane-D4	95%	75-121%
2037-26-5	Toluene-D8	99%	87-119%
460-00-4	4-Bromofluorobenzene	89%	80-133%

Blank Spike Summary

Job Number: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

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

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

T49814-1, T49814-3, T49814-4, T49814-7, T49814-8, T49814-10, T49814-11

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

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	79-122%
17060-07-0	1,2-Dichloroethane-D4	95%	75-121%
2037-26-5	Toluene-D8	102%	87-119%
460-00-4	4-Bromofluorobenzene	93%	80-133%

Blank Spike Summary

Job Number: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC364-BS	C0007833.D	1	04/02/10	RR	n/a	n/a	VC364

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

T49814-11, T49814-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.9	104	76-118
100-41-4	Ethylbenzene	25	23.2	93	75-112
108-88-3	Toluene	25	24.6	98	77-114
1330-20-7	Xylene (total)	75	66.6	89	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	79-122%
17060-07-0	1,2-Dichloroethane-D4	95%	75-121%
2037-26-5	Toluene-D8	96%	87-119%
460-00-4	4-Bromofluorobenzene	87%	80-133%

Blank Spike Summary

Job Number: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC368-BS	C0007914.D	1	04/04/10	RR	n/a	n/a	VC368

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

T49814-2, T49814-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.9	100	76-118
100-41-4	Ethylbenzene	25	23.0	92	75-112
108-88-3	Toluene	25	24.5	98	77-114
1330-20-7	Xylene (total)	75	66.6	89	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	79-122%
17060-07-0	1,2-Dichloroethane-D4	96%	75-121%
2037-26-5	Toluene-D8	101%	87-119%
460-00-4	4-Bromofluorobenzene	91%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

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

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

T49814-5, T49814-6

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

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

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

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

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

T49814-1, T49814-3, T49814-4, T49814-7, T49814-8, T49814-10, T49814-11

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

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

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T49684-6MS	C0007839.D	1	04/02/10	RR	n/a	n/a	VC364
T49684-6MSD	C0007840.D	1	04/02/10	RR	n/a	n/a	VC364
T49684-6	C0007838.D	1	04/02/10	RR	n/a	n/a	VC364

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

T49814-11, T49814-12

CAS No.	Compound	T49684-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	27.7	111	26.2	105	6	76-118/16
100-41-4	Ethylbenzene	ND		25	25.1	100	23.9	96	5	75-112/12
108-88-3	Toluene	ND		25	26.0	104	24.9	100	4	77-114/12
1330-20-7	Xylene (total)	ND		75	70.5	94	68.8	92	2	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T49684-6	Limits
1868-53-7	Dibromofluoromethane	96%	94%	107%	79-122%
17060-07-0	1,2-Dichloroethane-D4	99%	96%	100%	75-121%
2037-26-5	Toluene-D8	99%	97%	90%	87-119%
460-00-4	4-Bromofluorobenzene	80%	85%	81%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T49814
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T49684-17MS	C0007922.D	1	04/04/10	RR	n/a	n/a	VC368
T49684-17MSD	C0007923.D	1	04/04/10	RR	n/a	n/a	VC368
T49684-17	C0007921.D	1	04/04/10	RR	n/a	n/a	VC368

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

T49814-2, T49814-9

CAS No.	Compound	T49684-17 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	27.9	112	26.3	105	6	76-118/16
100-41-4	Ethylbenzene	ND		25	24.0	96	23.0	92	4	75-112/12
108-88-3	Toluene	ND		25	25.1	100	24.7	99	2	77-114/12
1330-20-7	Xylene (total)	ND		75	68.0	91	66.5	89	2	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T49684-17	Limits
1868-53-7	Dibromofluoromethane	102%	97%	111%	79-122%
17060-07-0	1,2-Dichloroethane-D4	99%	95%	103%	75-121%
2037-26-5	Toluene-D8	100%	101%	96%	87-119%
460-00-4	4-Bromofluorobenzene	82%	83%	80%	80-133%