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

June 28, 2011

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

RE: First 2011 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 First 2011 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 April 28, 2011. The data indicate that the groundwater conditions remain stable. The next monitoring event is scheduled for the second half of 2011.

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

Sincerely,

DCP Midstream, LP

Chandler E Cole

Chandler E Cole.
Senior Environmental Specialist

Enclosure

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

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC

June 22, 2011

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

Subject: Report on the First 2011 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 2011 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. Construction information for the wells is included in Table 1. Well MW-12 was abandoned in April 2009 because of safety concerns due to its proximity to the flare.

The sampling was completed on April 28, 2011. 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-2 and MW-5. The rise in MW-2 results from ponding of surface water for a prolonged period.

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 remained toward the southeast even with the mounding at MW-2. The groundwater gradient event continued to decrease southeast of the operational area as it has done in the past.

The historical FPH thickness in MW-4 and MW-6 are graphed in Figure 5. The FPH thickness increased in both wells probably as a response to the decline in the water table.

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-10. A matrix spike, matrix spike duplicate was collected from MW-13. 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 with one exception (1-2-Dichloroethane from MW-5);
- The method blank and blank spike evaluations were all acceptable;
- The matrix spike and matrix spike duplicate results were all within their acceptable ranges; and
- The RPD values for the constituents ranged from 12.3 percent to 28.4 percent.

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 sample from MW-5 also slightly exceeded the ethylbenzene standard. There were no other exceedances in the samples collected.

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 monitoring well cluster.

2. Any dissolved-phase BTEX constituents that are released into the groundwater from the MW-4, MW-5, MW-6 source area attenuate to concentrations 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 that extends from from the boundary wells to 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 continues to vary periodically. The variation may be related to the periods of enhanced precipitation.

Time-benzene graphs for MW-10 and MW-10D are included in Figure 8. The benzene concentrations increased slightly in both wells. The benzene concentration remains in the middle of the historic concentration ranges for both wells. The dissolved-phase hydrocarbon plume does not appear to be expanding from this area based upon the non-detects 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 2011. 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 April 2011 Gauging Data

Well	Depth to Water	Depth to Product	Free Phase Hydrocarbon Thickness	Corrected Water Table Elevation
MW-1	45.75			3674.43
MW-2	40.50			3676.74
MW-3	48.33			3669.37
MW-4	46.91	46.68	0.23	3675.71
MW-5	46.59			3677.01
MW-6	49.91	47.10	2.81	3675.31
MW-7	DRY			
MW-8	44.35			3671.83
MW-9	51.42			3671.06
MW-10	51.34			3671.56
MW-10D	52.40			3671.14
MW-11	52.05			3672.48
MW-13	53.03			3670.96

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	9/28/10	4/28/11
MW-1	3674.11	3673.97	3676.13	3674.43
MW-2	3672.50	3672.10	3675.64	3676.74
MW-3	3669.92	3669.55	3669.90	3669.37
MW-4	3674.89	3674.95	3675.88	3675.71
MW-5	3675.71	3675.71	3676.50	3677.01
MW-6	3673.93	3673.70	3676.17	3675.31
MW-8	3671.99	3671.31	3673.72	3671.83
MW-9	3671.38	3671.03	3671.51	3671.06
MW-10	3671.75	3671.43	3672.20	3671.56
MW-10D	3671.22	3671.28	3671.63	3671.14
MW-11	3672.32	3671.93	3673.04	3672.48
MW-13	3671.25	3670.91	3671.59	3670.96

(all units in feet)

Table 4 –Linam Ranch Gas Plant April 2011 Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Xylenes
NMWQCC	0.01	0.75	0.75	0.62
MW-1	0.00054 J	<0.002	<0.002	<0.002
MW-2	<0.001	<0.002	<0.002	<0.002
MW-3	<0.001	<0.002	<0.002	<0.002
MW-4	FPH			
MW-5	**0.149**	<0.004	**0.776**	<0.004
MW-6	FPH			
MW-7	DRY			
MW-8	<0.001	<0.002	<0.002	<0.002
MW-9	<0.001	<0.002	<0.002	<0.002
MW-10	**1.72**	0.228	0.195	0.126
MW-10 DUP	**2.29**	0.258	0.234	0.155
MW-10D	**0.0512**	0.0373	0.0063	0.0113
MW-11	<0.001	<0.002	<0.002	<0.002
MW-13	<0.001	<0.002	<0.002	<0.002
TRIP BLANK	<0.001	<0.002	<0.002	<0.002

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
09/20/91	0.0053	<0.001	<0.001											
11/03/92	0.0015			16.0	0.003	0.34								
12/02/92	0.0013			17.0	0.009	0.52								
01/12/94	0.0039			18.0	0.300	0.77		<0.001						
05/17/95	<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
11/14/95									<0.001	5.23	0.125	0.306	<0.001	0.003
01/17/96									0.001	6.11	0.841	0.549	<0.001	<0.001
04/24/96									<0.001	6.94	8.14	0.52	<0.001	<0.001
01/22/97									<0.001	6.41	0.365	0.267	<0.001	0.048
08/15/97									<0.001	5.63	0.221	0.164	0.001	0.132
01/22/98									<0.001	7.03	<0.001	0.291	<0.001	0.082
07/20/98									<0.001	7.18	0.184	0.061	0.002	0.061
02/09/99			<0.001						0.011	4.87	0.009	0.018	0.001	0.082
08/25/99	<0.005	<0.005	<0.001		0.137		<0.005	<0.001	<0.005	5.58	0.036	0.005	0.003	0.062
02/22/00	<0.005	<0.005	<0.001		0.068		<0.005	<0.005	0.014	2.35	0.014	0.02	<0.001	0.08
08/18/00	<0.001	<0.001	<0.005		<0.005		<0.005	0.002	0.036	3.11	<0.005	0.009	<0.005	0.04
02/07/01	<0.005	<0.005	<0.005		<0.005		<0.005	<0.005	<0.005	1.23	<0.005	0.013	<0.001	0.023
08/02/01	0.003	0.007	0.002		<0.005		<0.005	<0.001	0.038	1.64	<0.001	0.002	<0.001	0.002
03/11/02	<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
09/25/02	<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
03/10/03	<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
09/17/03	<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
03/16/04	<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
08/18/04	<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
03/15/05	<0.001	<0.001	<0.001		0.262		<0.001	<0.001	0.0061	3.91	0.107	0.0264	<0.001	<0.001
09/29/05	0.0067	<0.001	<0.001		0.63		<0.001	<0.001	0.0029	1.67	0.0703	<0.001	<0.001	<0.001
03/22/06	0.0028	<0.001	<0.001		0.569		<0.001	<0.001	0.0023	1.48	0.224	<0.001	<0.005	<0.001
09/21/06	0.0011	<0.001	<0.001		1.06		<0.001	<0.001	0.001	1.19	0.0537	<0.001	<0.001	<0.001
03/20/07	<0.001	<0.001	<0.001		0.252		<0.001	<0.001	<0.001	1.13	0.0736	<0.001		<0.001
09/28/07	<0.001	<0.001	<0.001		0.07375		<0.001	<0.001	<0.001	1.18	0.218	<0.001		<0.001
04/30/08	<0.002	<0.002	<0.002		0.0108		<0.002	<0.002	<0.002	0.769	0.195	<0.002		<0.002
09/15/08	<0.002	<0.002	<0.002		0.0469			<0.002	<0.002	0.801	0.216	<0.002		<0.002
3&4/09	<0.002	<0.002	<0.002		0.0095			<0.002	<0.00046	0.883	0.179	<0.00046		<0.00046
09/24/09	<0.002	<0.002	<0.002		0.0272			<0.002	<0.002	1.07	0.103	<0.002		<0.002
03/24/10	<0.002	<0.002	<0.002		0.13			<0.002	<0.002	1.64	0.196	<0.002		<0.002
09/28/10	0.00039	<0.001	<0.001		0.0095			<0.001	<0.001	1.9	0.0402	0.0036		<0.001
04/28/11	0.00054 J	<0.001	<0.001		0.149			<0.001	<0.001	2.005	0.0512	<0.001		<0.001

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
09/20/91	0.0067	<0.001	0.0021											
11/03/92	0.0015			8.0	0.0034	0.023								
12/02/92	0.0014			8.2	0.0041	0.020								
01/12/94	<0.001			10.0	0.190	0.0029		<0.005						
05/17/95	<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
11/14/95									<0.001	0.001	0.001	<0.001	<0.001	<0.001
01/17/96									<0.001	0.863	0.001	0.004	<0.001	<0.001
04/24/96									<0.001	<0.010	0.046	<0.002	<0.001	<0.001
01/22/97									<0.001	1.63	<0.005	<0.001	<0.001	<0.001
08/15/97									<0.001	1.35	<0.01	<0.001	<0.001	<0.001
01/22/98									<0.001	1.93	<0.001	0.004	<0.001	<0.001
07/20/98									<0.001	2.34	0.014	<0.001	<0.001	<0.001
02/09/99			<0.001						<0.001	0.32	<0.005	<0.001	<0.001	<0.001
08/25/99	<0.005	<0.005	<0.001		0.037		<0.005	<0.001	<0.005	0.658	<0.001	<0.001	<0.001	<0.001
02/22/00	<0.005	<0.005	<0.001		<0.005		<0.005	<0.005	<0.005	0.129	<0.005	<0.001	<0.001	<0.001
08/18/00	<0.001	<0.001	<0.005		<0.005		<0.005	<0.001	<0.005	0.025	<0.005	<0.005	<0.005	<0.005
02/07/01	<0.005	<0.005	<0.005		<0.005		<0.005	<0.005	<0.005	0.082	<0.005	<0.001	<0.001	<0.005
08/02/01	<0.001	<0.001	<0.001		<0.005		<0.005	<0.001	<0.001	<0.02	<0.001	<0.001	<0.001	<0.001
03/11/02	<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
09/25/02	<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
03/10/03	<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
09/17/03	<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
03/16/04	<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
08/18/04	<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
03/15/05	<0.001	<0.001	<0.001		<0.005		<0.001	<0.001	<0.001	0.303	0.0444	<0.005	<0.001	<0.001
09/29/05	<0.001	<0.001	<0.001		<0.0100		<0.001	<0.001	<0.001	0.39	0.0453	<0.001	<0.001	<0.001
03/22/06	<0.001	<0.001	<0.001		<0.0100		<0.001	<0.001	<0.001	0.254	0.0614	<0.001	<0.005	<0.001
09/21/06	<0.001	<0.001	<0.001		0.0069		<0.001	<0.001	<0.001	0.197	0.0378	<0.001	<0.001	<0.001
03/20/07	<0.001	<0.001	<0.001		<0.005		<0.001	<0.001	<0.001	0.212	0.0563	<0.001		<0.001
09/28/07	<0.001	<0.001	<0.001		<0.001		<0.001	<0.001	<0.001	0.246	0.0902	<0.001		<0.001
04/30/08	<0.002	<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	0.0457	0.0677	<0.002		<0.002
09/15/08	<0.002	<0.002	<0.002		0.0008			<0.002	<0.002	0.0508	0.0883	<0.002		<0.002
3&4/09	<0.002	<0.002	<0.002		<0.002			<0.002	<0.00048	0.230	0.0772	<0.00048		<0.00048
09/24/09	<0.002	<0.002	<0.002		<0.002			<0.002	<0.002	0.126	0.0496	<0.002		<0.002
03/24/10	<0.002	<0.002	<0.002		<0.002			<0.002	<0.002	0.175	0.0703	<0.002		<0.002
09/28/10	<0.002	<0.002	<0.002		<0.004			<0.002	<0.002	0.0547J	0.0358	<0.002		<0.002
04/28/11	<0.002	<0.002	<0.002		<0.004			<0.002	<0.002	0.243	0.0373	<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
09/20/91	0.001	<0.001	<0.001											
11/03/92	<0.001			0.7	0.003	0.051								
12/02/92	<0.001			0.53	0.0082	0.058								
01/12/94	0.0021			0.5	0.160	0.096		<0.005						
05/17/95	<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
11/14/95									<0.001	<0.001	<0.001	<0.001	<0.001	0.001
01/17/96									<0.001	1.140	<0.001	0.002	<0.001	<0.001
04/24/96									<0.001	1.190	1.170	<0.002	<0.001	<0.001
01/22/97									<0.001	0.294	<0.005	<0.001	<0.001	<0.001
08/15/97									<0.001	0.479	<0.01	0.002	<0.001	<0.001
01/22/98									<0.001	0.802	<0.001	<0.001	<0.001	<0.001
07/20/98									<0.001	0.777	0.008	<0.001	<0.001	<0.001
02/09/99			<0.001						<0.001	0.516	<0.005	<0.001	<0.001	<0.001
08/25/99	<0.005	<0.005	<0.001		0.262		<0.005	<0.001	<0.005	0.557	0.001	<0.001	<0.001	<0.001
02/22/00	<0.005	<0.005	<0.001		0.13		<0.005	<0.005	<0.005	0.164	<0.005	0.002	<0.001	<0.001
08/18/00	<0.001	<0.001	<0.005		0.006		<0.005	<0.001	<0.005	0.072	<0.005	<0.005	<0.005	<0.005
02/07/01	<0.005	<0.005	<0.005		0.084		<0.005	<0.005	<0.005	0.102	<0.005	<0.001	<0.001	<0.005
08/02/01	<0.001	<0.001	<0.001		<0.005		<0.005	<0.001	<0.001	0.119	<0.001	<0.001	<0.001	<0.001
03/11/02	<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
09/25/02	<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
03/10/03	<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
09/17/03	<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
03/16/04	<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
08/18/04	<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
03/15/05	<0.001	<0.001	<0.001		0.309		<0.001	<0.001	<0.001	0.888	0.0143	<0.005	<0.001	<0.001
09/29/05	0.011	<0.001	<0.001		0.267		<0.001	<0.001	<0.001	0.238	0.0061	<0.001	<0.001	<0.001
03/22/06	0.0013	<0.001	<0.001		0.239		<0.001	<0.001	<0.001	0.241	0.0295	<0.001	<0.005	<0.001
09/21/06	<0.001	<0.001	<0.001		0.407		<0.001	<0.001	<0.001	0.204	0.0075	<0.001	<0.001	<0.001
03/20/07	<0.001	0.0022	0.0022		0.1975		<0.001	<0.001	<0.001	0.222	<0.001	<0.001		<0.001
09/28/07	<0.001	<0.001	<0.001		0.0374		<0.001	<0.001	<0.001	0.163	0.0212	<0.001		<0.001
04/30/08	<0.002	<0.002	<0.002		0.182		<0.002	<0.002	<0.002	0.0851	0.0144	<0.002		<0.002
09/15/08	<0.002	<0.002	<0.002		0.2375			<0.002	<0.002	0.0932	0.0235	<0.002		<0.002
3&4/09	<0.002	<0.002	<0.002		0.104			<0.002	<0.00045	0.0859	0.0203	<0.00045		<0.00045
09/24/09	<0.002	<0.002	<0.002		0.227			<0.002	<0.002	0.148	0.0127	<0.002		<0.002
03/24/10	<0.002	<0.002	<0.002		0.482			<0.002	<0.002	0.246	0.0129	<0.002		<0.002
09/28/10	<0.002	<0.002	<0.002		0.188			<0.002	<0.002	0.24	0.006J	<0.002		<0.002
04/28/11	<0.002	<0.002	<0.002		0.776			<0.002	<0.002	0.215	0.0063	<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
09/20/91	<0.001	<0.001	<0.001											
11/03/92	0.010			1.8	0.034	0.120								
12/02/92	0.006			1.3	0.037	0.120								
01/12/94	0.002			1.3	0.490	0.210		<0.005						
05/17/95	<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
11/14/95									<0.001	0.406	0.011	0.013	<0.001	<0.001
01/17/96									0.001	1.050	0.047	0.031	<0.001	<0.001
04/24/96									<0.001	0.127	0.076	<0.002	<0.001	<0.001
01/22/97									<0.001	8.97	<0.005	0.017	<0.001	<0.001
08/15/97									<0.001	0.453	<0.01	0.007	<0.001	0.005
01/22/98									<0.001	0.635	<0.001	0.015	<0.001	<0.001
07/20/98									<0.001	0.606	0.006	0.010	<0.001	<0.001
02/09/99			<0.001						<0.001	0.372	<0.005	<0.001	<0.001	<0.001
08/25/99	0.006	<0.005	<0.001		0.179		<0.005	<0.001	<0.005	0.359	0.002	<0.001	<0.001	<0.001
02/22/00	0.006	<0.005	<0.001		0.09		<0.005	<0.005	<0.005	0.124	<0.005	0.008	<0.001	<0.001
08/18/00	0.011	<0.001	<0.005		0.008		<0.005	<0.001	<0.005	0.038	<0.005	<0.005	<0.005	<0.005
02/07/01	<0.005	<0.005	<0.005		<0.005		<0.005	<0.005	<0.005	0.086	<0.005	<0.001	<0.001	<0.005
08/02/01	<0.001	<0.001	<0.001		<0.005		<0.005	<0.001	<0.001	<0.02	<0.001	<0.001	<0.001	<0.001
03/11/02	<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
09/25/02	<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
03/10/03	<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
09/17/03	<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
03/16/04	<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
08/18/04	<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
03/15/05	<0.001	<0.001	<0.001		0.298		<0.001	<0.001	0.0049	1.09	0.0146	0.0115	<0.001	<0.001
09/29/05	0.0081	<0.001	<0.001		0.327		<0.001	<0.001	<0.001	0.353	0.0119	<0.001	<0.001	<0.001
03/22/06	<0.001	<0.001	<0.001		0.296		<0.001	<0.001	<0.001	0.304	0.0267	<0.001	<0.005	<0.001
09/21/06	0.0017	<0.001	<0.001		0.178		0.0015	<0.001	<0.001	0.238	0.0205	<0.001	<0.001	<0.001
03/20/07	<0.001	<0.001	<0.001		0.0221		<0.001	<0.001	0.0075	0.279	<0.001	<0.001		<0.001
09/28/07	<0.001	<0.001	<0.001		<0.001		<0.001	<0.001	<0.001	0.213	0.0375	<0.001		<0.001
04/30/08	<0.006	<0.006	<0.006		0.0039		<0.006	<0.006	0.05	0.05	<0.006	<0.006		<0.006
09/15/08	<0.006	<0.006	<0.006		0.3400			<0.006	<0.006	0.0433	0.0347	<0.006		<0.006
3&4/09	<0.006	<0.006	<0.006		<0.006			<0.006	<0.0014	0.0759	0.0296	<0.0014		<0.0014
09/24/09	<0.006	<0.006	<0.006		<0.006			<0.006	<0.006	0.154	0.0261	<0.006		<0.006
03/24/10	<0.006	<0.006	<0.006		0.460			<0.006	<0.006	0.156	0.0202	<0.006		<0.006
09/28/10	<0.004	<0.004	<0.004		<0.008			<0.004	<0.004	0.104J	0.0077J	0.004		<0.004
04/28/11	<0.002	<0.002	<0.002		<0.004			<0.002	<0.002	0.141	0.0113	<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

FIGURES

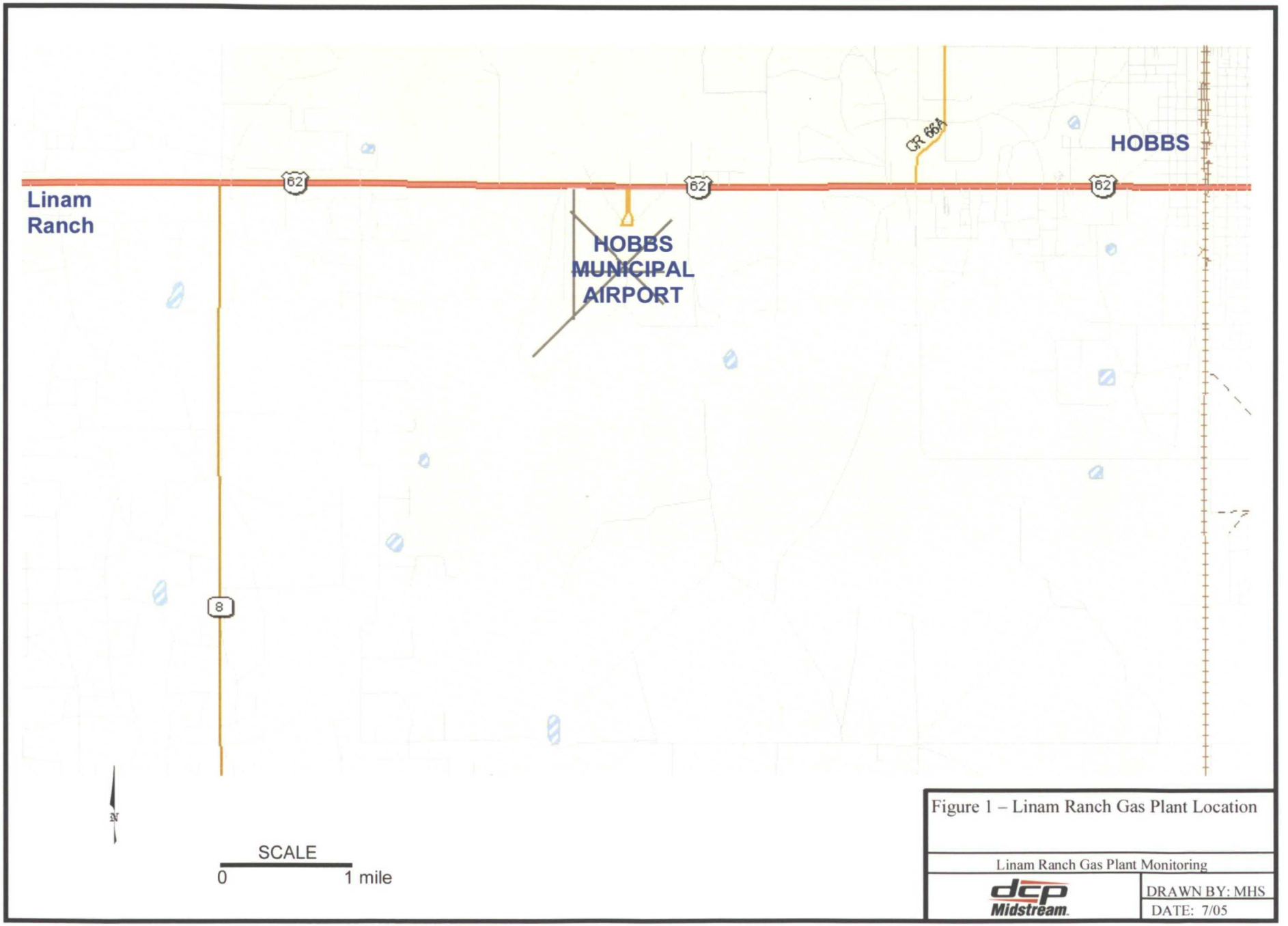


Figure 1 – Linam Ranch Gas Plant Location

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 7/05

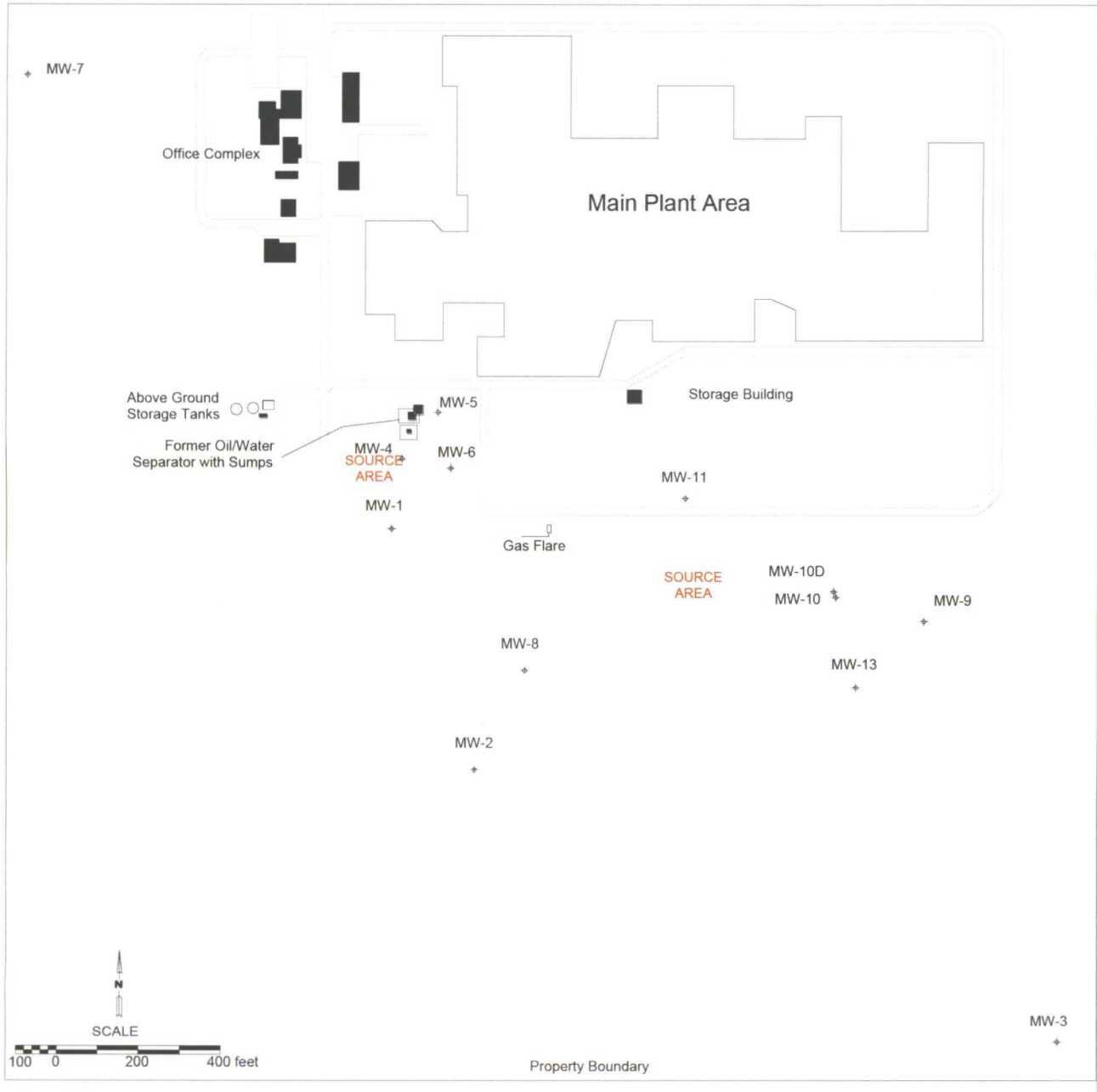


Figure 2 – Monitor Well Locations

Linam Ranch Gas Plant Monitoring

dcp Midstream

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

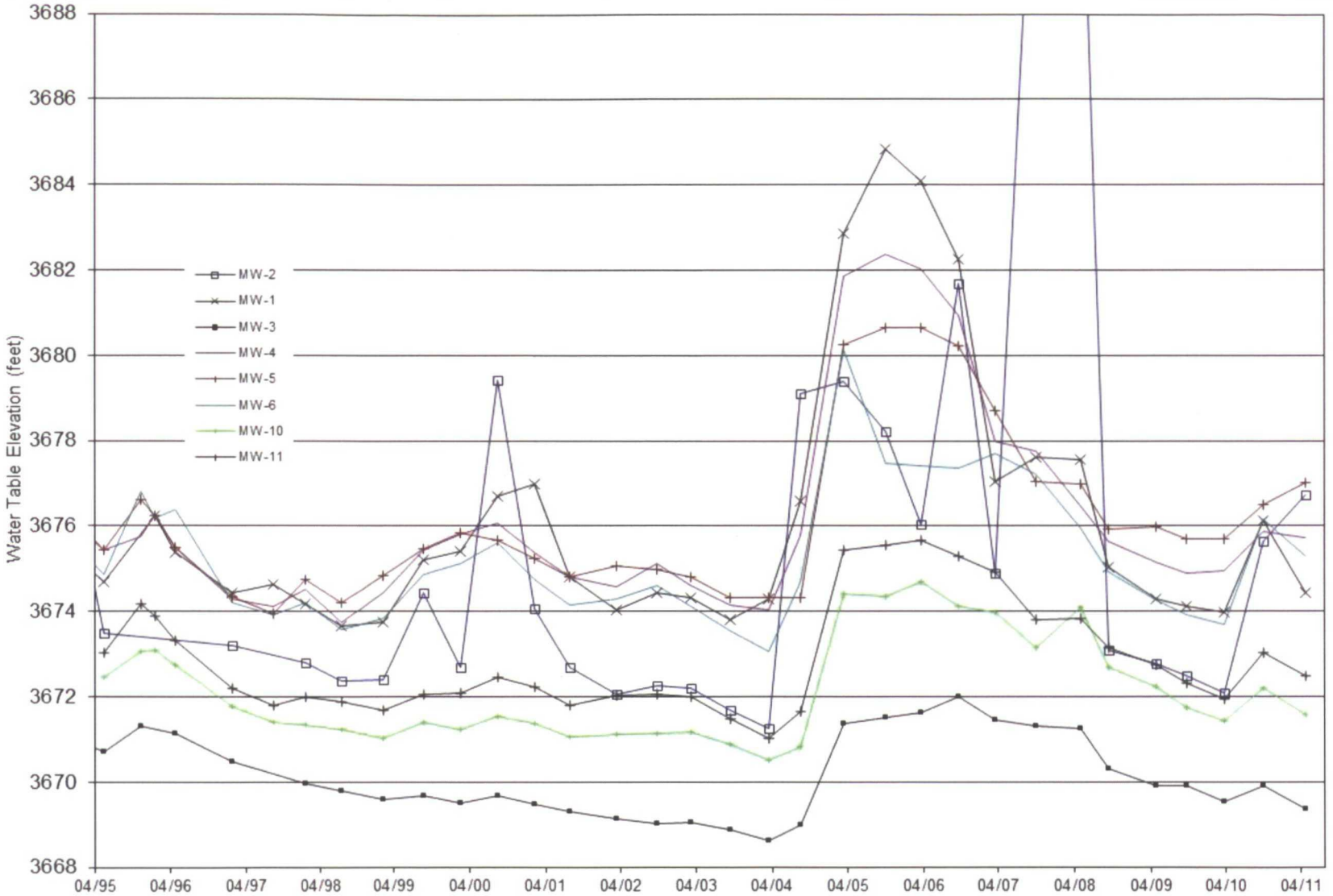


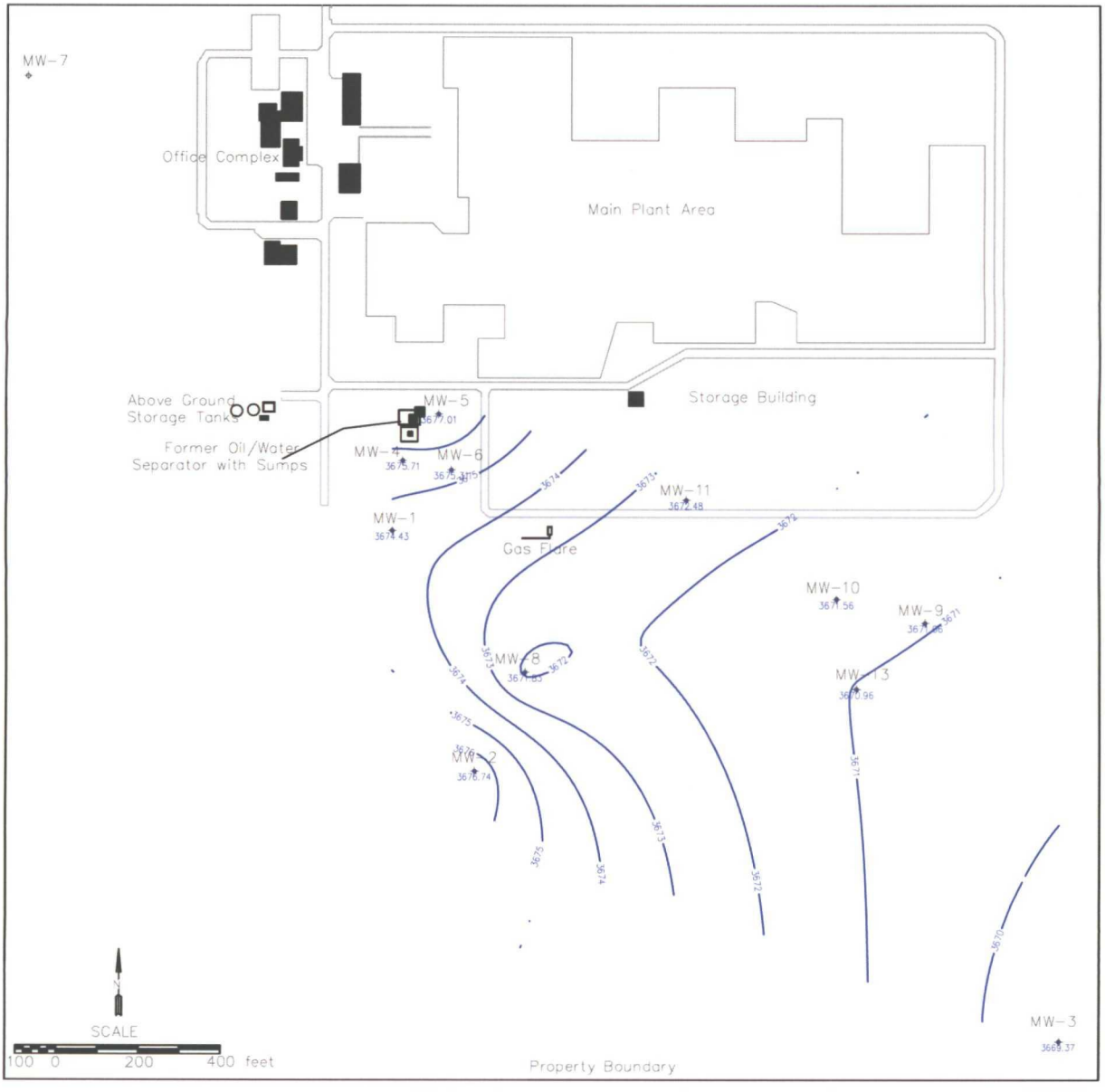
Figure 3 – Linam Ranch Gas Plant Hydrographs

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 6/11



Contour Interval is 0.5 feet

	Figure 4 - April 2011 Water Table Elevations Linam Ranch Gas Plant Monitoring dcp Midstream.	DRAWN BY: MHS REVISED: DATE: 6/11

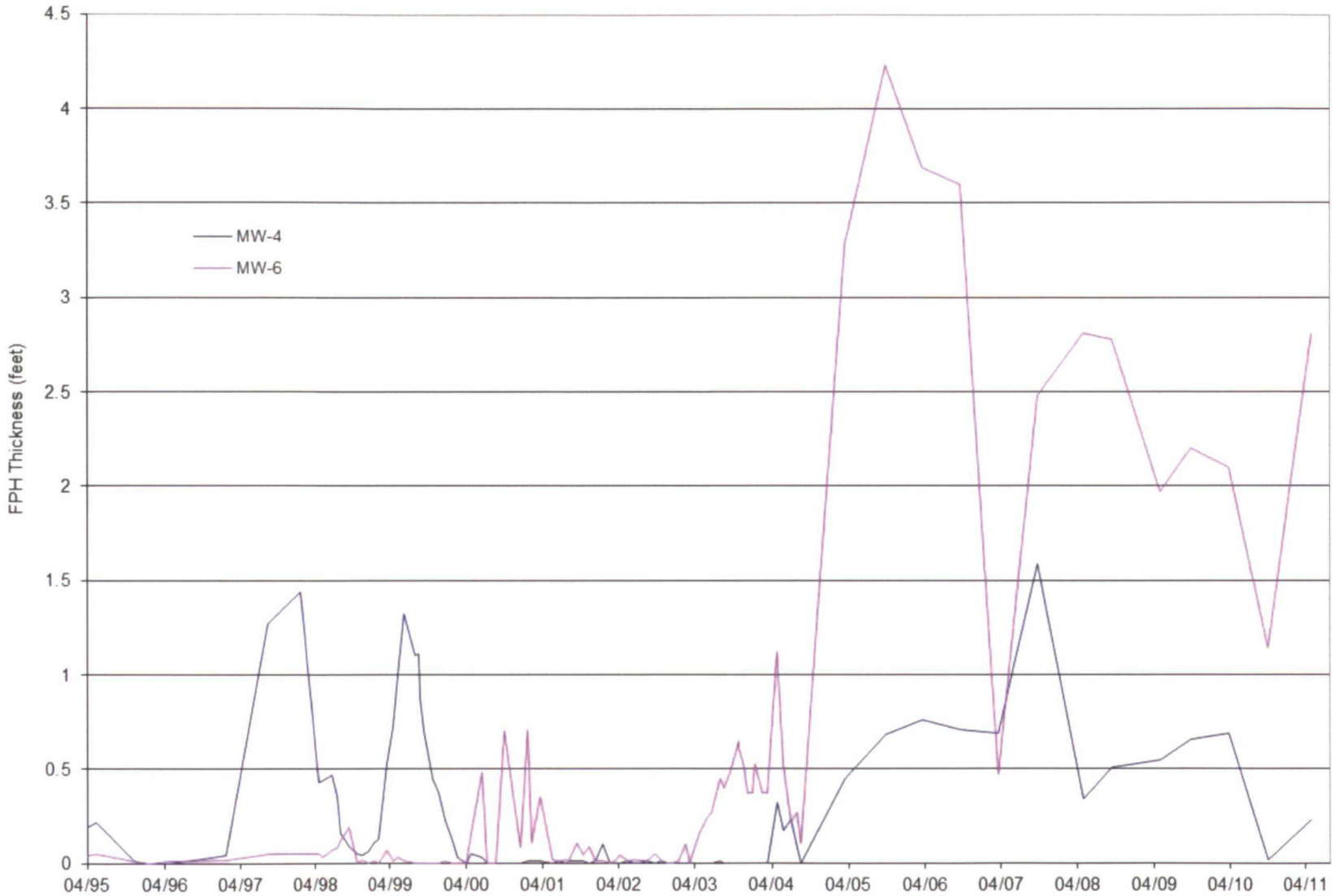


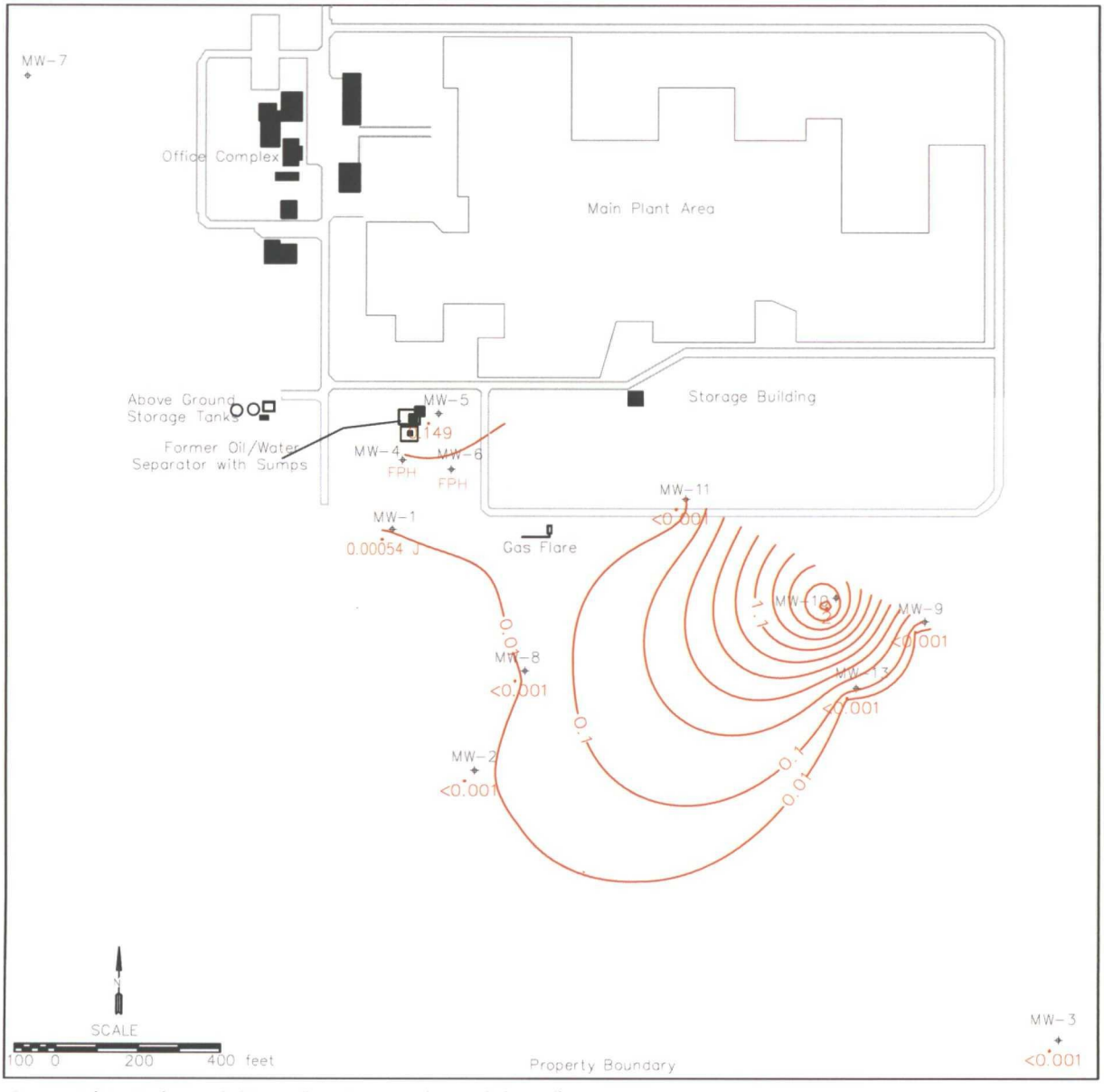
Figure 5 – Linam Ranch Free Phase Hydrocarbon Thickness

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY: MHS

DATE:6/11



Contour intervals are 0.01 mg/l and above 0.1 at 0.2 mg/l
FPH: Free phase hydrocarbons

	Figure 6 - April 2011 Benzene Isopleths Linam Ranch Gas Plant Monitoring dcp Midstream.	DRAWN BY: MHS REVISED: DATE: 6/11

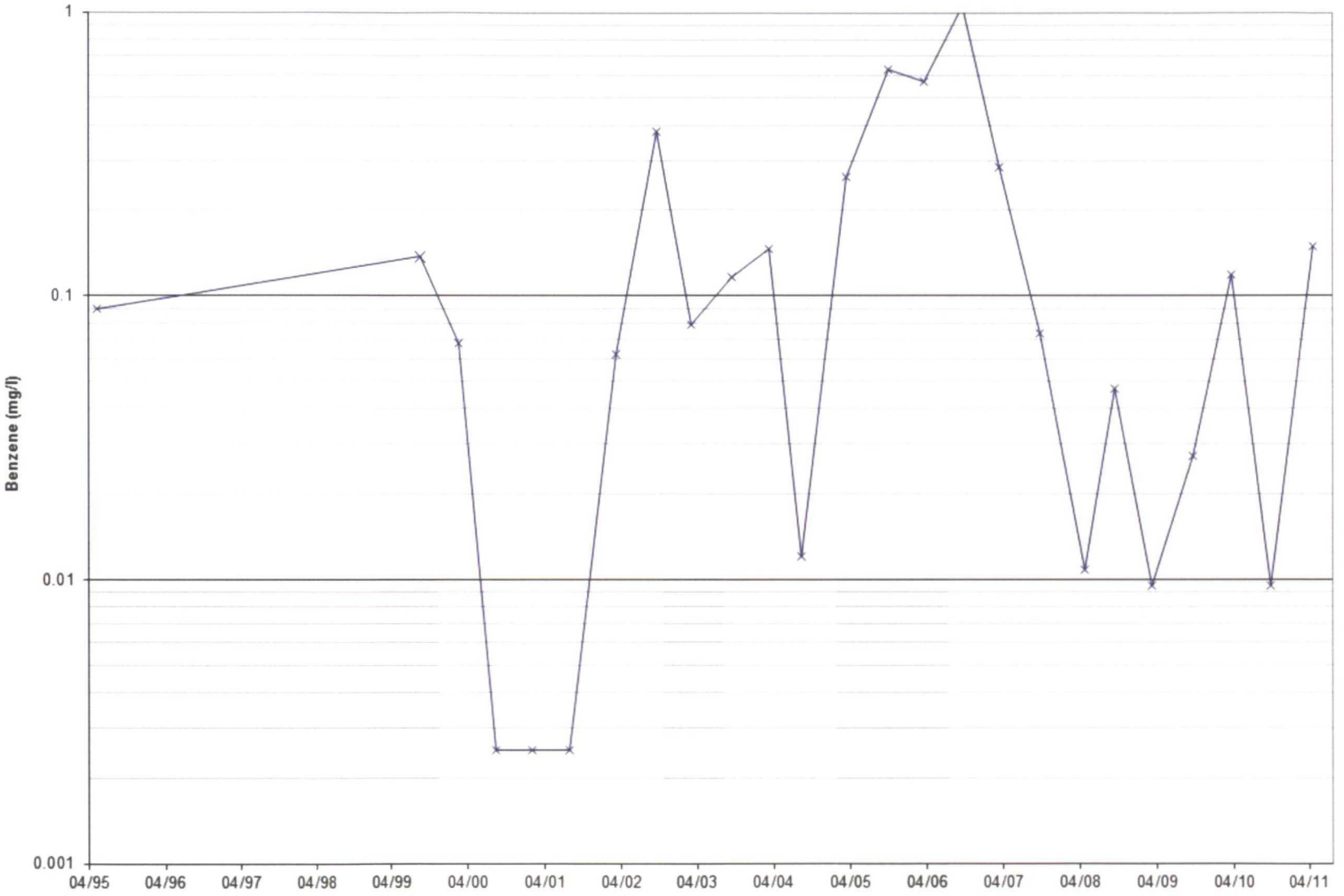


Figure 7 – Benzene Concentrations in MW-5

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY: MHS

DATE:6/11

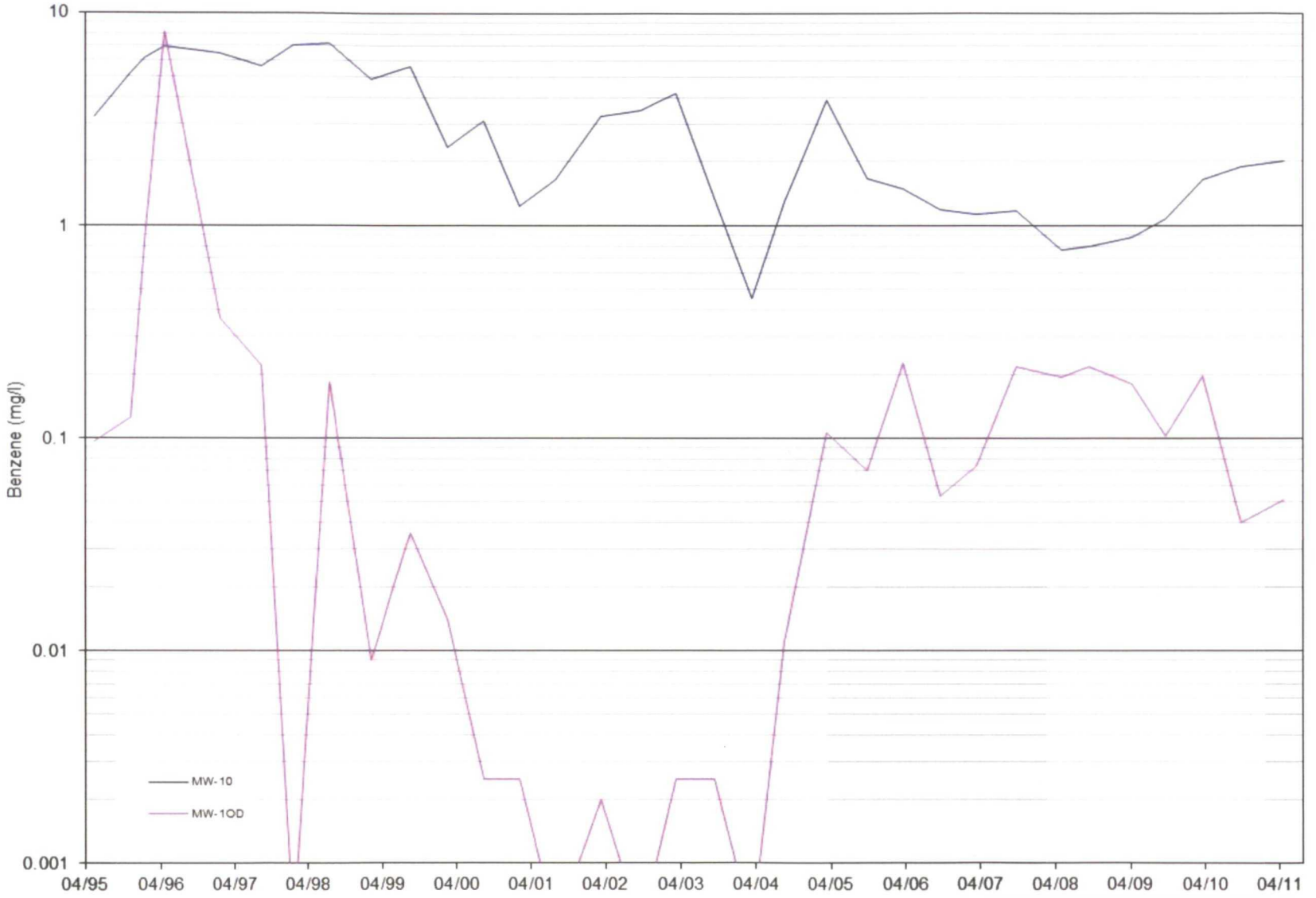


Figure 8 – Benzene Concentrations for MW-10 and MW-10d

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY: MHS

DATE:6/11

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: 4/28/2011

PROJECT NO. _____ SAMPLER: N Quevedo

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: 45.75 Feet
HEIGHT OF WATER COLUMN: 8.45 Feet
WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.6	18.8	2.19	6.86			
	3.2	18.8	2.19	6.83			
	4.8	18.7	2.40	6.83			
			4.8	:Total Vol (gal)			

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

ANALYSES: 8260B

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP WELL ID: **MW-2**

SITE NAME: Linam Ranch Gas Plant DATE: 4/28/2011

PROJECT NO. _____ SAMPLER: N Quevedo

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: 40.50 Feet
HEIGHT OF WATER COLUMN: 10.00 Feet
WELL DIAMETER: 2.0 Inch

4.9 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
	3.0	18.3	0.48	7.63			Bailed dry
			3	:Total Vol (gal)			

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

ANALYSES: 8260B

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP WELL ID: **MW-3**

SITE NAME: Linam Ranch Gas Plant DATE: 4/28/2011

PROJECT NO. _____ SAMPLER: N Quevedo

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: 48.33 Feet
HEIGHT OF WATER COLUMN: 6.97 Feet
WELL DIAMETER: 2.0 Inch

3.4 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	18.8	0.40	7.64			
	2.6	18.7	0.42	7.81			
	3.9	18.7	0.42	7.84			
			3.9	:Total Vol (gal)			

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

ANALYSES: 8260B

COMMENTS: Collected sample for MS/MSD evaluation

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-5**
SITE NAME: Linam Ranch Gas Plant
DATE: 4/28/2011
PROJECT NO.
SAMPLER: N Quevedo

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: 46.59 Feet
HEIGHT OF WATER COLUMN: 8.61 Feet
WELL DIAMETER: 4.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	5.0	22.2	1.65	6.90			
	10.0	22.7	1.75	6.96			
	15.0	22.0	2.10	6.99			
			15	Total Vol (gal)			

SAMPLE NO.: Collected Sample No.: MW-5
ANALYSES: 8260B
COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP WELL ID: **MW-8**

SITE NAME: Linam Ranch Gas Plant DATE: 4/28/2011

PROJECT NO. _____ SAMPLER: N Quevedo

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: 44.35 Feet
HEIGHT OF WATER COLUMN: 13.95 Feet
WELL DIAMETER: 4.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	9.3	18.7	0.32	7.84			
	18.7	18.9	0.32	7.84			
	28.0	19.1	0.32	7.75			
			28	Total Vol (gal)			

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

ANALYSES: 8260B

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-9**
SITE NAME: Linam Ranch Gas Plant
DATE: 4/28/2011
PROJECT NO.
SAMPLER: N Quevedo

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: 51.42 Feet
HEIGHT OF WATER COLUMN: 7.68 Feet
WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.3	19.1	1.03	6.98			
	2.6	19.1	1.03	7.00			
	3.9	19.0	1.03	7.00			
			3.9 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-9
ANALYSES: 8260B
COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP

WELL ID: **MW-10**

SITE NAME: Linam Ranch Gas Plant

DATE: 4/28/2011

PROJECT NO. _____

SAMPLER: N Quevedo

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: 51.34 Feet
HEIGHT OF WATER COLUMN: 13.66 Feet
WELL DIAMETER: 4 0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	9	19.2	1.31	7.56			
	18.0	19.6	1.35	7.63			
	27.0	19.40	1.34	7.80			
			27 :Total Vol (gal)				

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

ANALYSES: 8260B

COMMENTS: Collected duplicate sample DUP

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-10d**
SITE NAME: Linam Ranch Gas Plant
DATE: 4/28/2011
PROJECT NO. _____
SAMPLER: N Quevedo

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: 52.40 Feet
HEIGHT OF WATER COLUMN: 26.60 Feet
WELL DIAMETER: 2.0 Inch

13.0 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
	4.4	19.3	0.95	7.45			
	8.8	19.5	0.94	7.51			
	13.2	19.4	0.94	7.62			
			13.2 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-10D
ANALYSES: 8260B
COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-11**
SITE NAME: Linam Ranch Gas Plant
DATE: 4/28/2011
PROJECT NO.
SAMPLER: N Quevedo

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: 52.05 Feet
HEIGHT OF WATER COLUMN: 10.75 Feet
WELL DIAMETER: 4.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	7.0	19.0	1.14	6.96			
	14.0	19.5	1.08	7.00			
	21.0	19.5	1.08	6.94			
			21 :Total Vol (gal)				

SAMPLE NO : Collected Sample No.: MW-11

ANALYSES: 8260B

COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-13**
SITE NAME: Linam Ranch Gas Plant
DATE: 4/28/2011
PROJECT NO.
SAMPLER: N Quevedo

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: 53.03 Feet
HEIGHT OF WATER COLUMN: 9.97 Feet
WELL DIAMETER: 4.0 Inch

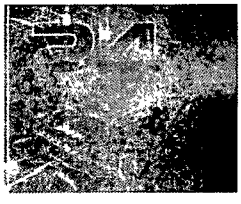
19.5 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °C	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	6.6	19.0	1.09				
	13.3	19.1	1.11				
	20.0	19.0	1.12				
			20 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-13
ANALYSES: 8260B
COMMENTS:

Mountain States ACCUTEST LABORATORIES

06/17/11



Technical Report for

DCP Midstream, LP

AECCOL:Linam Ranch

Accutest Job Number: D23033

Sampling Date: 04/28/11

Report to:

American Environmental Consulting, LLC

mstewart@aecdenver.com

ATTN: Michael 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.

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: 1 2 3 4 5

Table of Contents

-1-

Sample Summary

DCP Midstream, LP

Job No: D23033

AECCOL:Linam Ranch

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
D23033-1	04/28/11	08:00		04/29/11	AQ	Ground Water	MW-1
D23033-2	04/28/11	07:35		04/29/11	AQ	Ground Water	MW-2
D23033-3	04/28/11	09:05		04/29/11	AQ	Ground Water	MW-3
D23033-3D	04/28/11	09:05		04/29/11	AQ	Water Dup/MSD	MW-3
D23033-3M	04/28/11	09:05		04/29/11	AQ	Water Matrix Spike	MW-3
D23033-4	04/28/11	11:40		04/29/11	AQ	Ground Water	MW-5
D23033-5	04/28/11	07:45		04/29/11	AQ	Ground Water	MW-8
D23033-6	04/28/11	09:50		04/29/11	AQ	Ground Water	MW-9
D23033-7	04/28/11	10:40		04/29/11	AQ	Ground Water	MW-10
D23033-8	04/28/11	10:30		04/29/11	AQ	Ground Water	MW-10D
D23033-9	04/28/11	08:45		04/29/11	AQ	Ground Water	MW-11
D23033-10	04/28/11	09:50		04/29/11	AQ	Ground Water	MW-13
D23033-11	04/28/11	00:00		04/29/11	AQ	Water Dup/MSD	DUP

Sample Summary
(continued)

DCP Midstream, LP

Job No: D23033

AECCOL:Linam Ranch

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
D23033-12	04/28/11	00:00		04/29/11	AQ	Trip Blank Water	TRIP BLANK

ACCUTEST Laboratories

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: DCP Midstream, LP **Job No** D23033

Site: AECCOL Lmam Ranch **Report Dat** 5/3/2011 3.02.41 PM

On 04/29/2011, 11 sample(s), 1 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 3.3 °C. The samples were intact and properly preserved, unless noted below An AMS Job Number of D23033 was assigned to the project. The lab sample IDs, client sample IDs, and dates 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:** V3V615

- All samples were analyzed within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) D23035-3MS, D23035-3MSD were used as the QC samples indicated

Matrix AQ **Batch ID:** V5V881

- All samples were analyzed within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) D22853-1MS, D22853-1MSD were used as the QC samples indicated

Matrix AQ **Batch ID:** V5V882

- All samples were analyzed within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) D23037-23MS, D23037-23MSD were used as the QC samples indicated
- D23033-4 for 1,2-Dichloroethane-D4. Outside control limits due to possible matrix interference.

Matrix AQ **Batch ID:** V7V341

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D23033-3MS, D23033-3MSD were used as the QC samples indicated.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting 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

Mountain States ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	D23033-1	Date Sampled:	04/28/11
Matrix:	AQ - Ground Water	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V06309.D	1	04/29/11	DC	n/a	n/a	V7V341
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	0.00054	0.0010	0.00030	mg/l	J
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
1330-20-7	Xylene (total)	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		63-130%
2037-26-5	Toluene-D8	105%		68-130%
460-00-4	4-Bromofluorobenzene	90%		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:	D23033-2	Date Sampled:	04/28/11
Matrix:	AQ - Ground Water	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V06310.D	1	04/29/11	DC	n/a	n/a	V7V341
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	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
1330-20-7	Xylene (total)	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		63-130%
2037-26-5	Toluene-D8	104%		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-3		
Lab Sample ID:	D23033-3	Date Sampled:	04/28/11
Matrix:	AQ - Ground Water	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V06306.D	1	04/29/11	DC	n/a	n/a	V7V341
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	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
1330-20-7	Xylene (total)	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		63-130%
2037-26-5	Toluene-D8	105%		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-5		
Lab Sample ID:	D23033-4	Date Sampled:	04/28/11
Matrix:	AQ - Ground Water	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V10984.D	2	04/30/11	DC	n/a	n/a	V3V615
Run #2	5V15088.D	10	04/30/11	DC	n/a	n/a	V5V882

	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	0.149	0.0020	0.00060	mg/l	
108-88-3	Toluene	ND	0.0040	0.0020	mg/l	
100-41-4	Ethylbenzene	0.776 [a]	0.020	0.0030	mg/l	
1330-20-7	Xylene (total)	ND	0.0040	0.0012	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	92%	132% [b]	63-130%
2037-26-5	Toluene-D8	87%	93%	68-130%
460-00-4	4-Bromofluorobenzene	88%	97%	61-130%

(a) Result is from Run# 2
(b) Outside control limits due to possible matrix interference.

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-8		
Lab Sample ID:	D23033-5	Date Sampled:	04/28/11
Matrix:	AQ - Ground Water	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V06311.D	1	04/29/11	DC	n/a	n/a	V7V341
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	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
1330-20-7	Xylene (total)	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		63-130%
2037-26-5	Toluene-D8	105%		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-9		
Lab Sample ID:	D23033-6	Date Sampled:	04/28/11
Matrix:	AQ - Ground Water	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V06312.D	1	04/29/11	DC	n/a	n/a	V7V341
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	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
1330-20-7	Xylene (total)	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		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-10		
Lab Sample ID:	D23033-7	Date Sampled:	04/28/11
Matrix:	AQ - Ground Water	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V10985.D	20	04/30/11	DC	n/a	n/a	V3V615
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	1.72	0.020	0.0060	mg/l	
108-88-3	Toluene	0.228	0.040	0.020	mg/l	
100-41-4	Ethylbenzene	0.195	0.040	0.0060	mg/l	
1330-20-7	Xylene (total)	0.126	0.040	0.012	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	88%		68-130%
460-00-4	4-Bromofluorobenzene	90%		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-10D		
Lab Sample ID:	D23033-8	Date Sampled:	04/28/11
Matrix:	AQ - Ground Water	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V06313.D	1	04/29/11	DC	n/a	n/a	V7V341
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	0.0512	0.0010	0.00030	mg/l	
108-88-3	Toluene	0.0373	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	0.0063	0.0020	0.00030	mg/l	
1330-20-7	Xylene (total)	0.0113	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		63-130%
2037-26-5	Toluene-D8	105%		68-130%
460-00-4	4-Bromofluorobenzene	91%		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:	D23033-9	Date Sampled:	04/28/11
Matrix:	AQ - Ground Water	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V06314.D	1	04/29/11	DC	n/a	n/a	V7V341
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	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
1330-20-7	Xylene (total)	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		63-130%
2037-26-5	Toluene-D8	105%		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-13		
Lab Sample ID:	D23033-10	Date Sampled:	04/28/11
Matrix:	AQ - Ground Water	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V06315.D	1	04/29/11	DC	n/a	n/a	V7V341
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	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
1330-20-7	Xylene (total)	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		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:	DUP		
Lab Sample ID:	D23033-11	Date Sampled:	04/28/11
Matrix:	AQ - Water Dup/MSD	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15089.D	20	04/30/11	DC	n/a	n/a	V5V882
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	2.29	0.020	0.0060	mg/l	
108-88-3	Toluene	0.258	0.040	0.020	mg/l	
100-41-4	Ethylbenzene	0.234	0.040	0.0060	mg/l	
1330-20-7	Xylene (total)	0.155	0.040	0.012	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	122%		63-130%
2037-26-5	Toluene-D8	92%		68-130%
460-00-4	4-Bromofluorobenzene	104%		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:	TRIP BLANK		
Lab Sample ID:	D23033-12	Date Sampled:	04/28/11
Matrix:	AQ - Trip Blank Water	Date Received:	04/29/11
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15065.D	1	04/29/11	DC	n/a	n/a	V5V881
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	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
1330-20-7	Xylene (total)	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	119%		63-130%
2037-26-5	Toluene-D8	91%		68-130%
460-00-4	4-Bromofluorobenzene	93%		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

Mountain States ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

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

Page 1 of 2

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: D23033

Client / Reporting Information

Company Name: American Environmental Consulting
Project Contact: Michael Stewart | E-Mail: mstewart@aecdenver.com
Address: 6885 South Marshall, Suite C
City: Littleton | State: CO | Zip: 80128
Phone No: 303-638-0001 (cell) | Fax No.:
Samplers's Name:

Project Information

Project Name / No: ~~Forest Medicine Ventura Sampling~~ Linam Ranch
Bill to: DCP Midstream | Invoice Attn:
Address: PO Box 4870
City: Portland | State: OR | Zip: 97208-4800
Phone No: RC 6N00 Project 400120006 | Fax No:
Client Purchase Order #: Chandler Cole

Requested Analyses: Ph, Mercury 7471A, Arsenic/6010B, Barium/6010B, BTEX/8260, TPH/1005

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	Date	Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	ENCORE	NaHSO4	MEOH	NONE	Ph	Mercury 7471A	Arsenic/6010B	Barium/6010B	BTEX/8260	TPH/1005	LAB USE ONLY
	MW-1	4/28	800	~~SO~~ GW									X					x		01
	MW-2	4/28	735	SO									X					x		02
	MW-3	4/28	905	SO									X					x		03 — MS/MSD
	MW-5	4/28	1146	SO									X					x		04
	MW-8	4/28	745	SO									X					x		05
	MW-9	4/28	950	SO									X					x		06
	MW-10	4/28	1040	SO									X					x		07
	MW-10D	4/28	1030	SO									X					x		08
	MW-11	4/28	845	SO									X					x		09
	MW-13	4/28	950	SO									X					x		10

Turnaround Time (Business days) — Approved By / Date:

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

Real time analytical data available via Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [ ] 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	Date Time	Received By	Relinquished By	Date Time	Received By
1 Relinquished by Sampler: [signature]	4/29 845	1 [signature] 4/29/06 845	2		2
3		3	4		4
5		5	Custody Seal #:	Preserved where applicable: N/A	On Ice: ✓ Cooler Temp: 3.3

D23033: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

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 #: D23033

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 #: 303-948-7733 Cell - 303-638-0011
Sampler(s) Name(s):

Project Information

Project Name: ~~Monument~~ Booster Station (Linam Ranch)
Street: Monument New Mexico
City: State:
Project #: RC - GN00 Project - 400128006
Client Purchase Order #:
Project Manager: Chandler Cole 303-605-1695

Billing Information (If different from Report to)

Company Name: DCP Midstream
Street Address: PO Box 4870
City: Portland OR 97208-4870
Attention: Chandler Cole CECole@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	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260BTX	MS/MSD for V8260BTX	LAB USE ONLY
	DUP		4/28			GW	3	3								X		11
	Trip Blank					GW	1	1								X		12
	~~MW-3~~ MS/MSD MW-3		4/28	905		GW	6	6									X	03MS/SD
																		TK

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 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 Chandler Cole

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	4/29 845	1	2		2
Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
3		3	4		4
Relinquished by	Date Time	Received By	Custody Seal #	Intact / Not Intact	Preserved where applicable: N/A	On Ice	Cooler Temp: 3.3
5		5					

D23033: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D23033 Client: Immediate Client Services Action Required: No

Date / Time Received: 4/29/2011 No. Coolers: Client Service Action Required at Login: No

Project: Airbill #'s:

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

4

D23033: Chain of Custody
Page 3 of 3

Mountain States ACCUTEST LABORATORIES

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: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V341-MB1	7V06304.D	1	04/29/11	DC	n/a	n/a	V7V341

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

D23033-1, D23033-2, D23033-3, D23033-5, D23033-6, D23033-8, D23033-9, D23033-10

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.30	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.60	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	102%	63-130%
2037-26-5	Toluene-D8	106%	68-130%
460-00-4	4-Bromofluorobenzene	89%	61-130%

Method Blank Summary

Job Number: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V881-MB1	5V15050.D	1	04/29/11	DC	n/a	n/a	V5V881

5.1.2

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

D23033-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.30	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.60	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	110%	63-130%
2037-26-5	Toluene-D8	94%	68-130%
460-00-4	4-Bromofluorobenzene	94%	61-130%

Method Blank Summary

Job Number: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V615-MB1	3V10979.D	1	04/30/11	DC	n/a	n/a	V3V615

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

D23033-4, D23033-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.30	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.60	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	97%	63-130%
2037-26-5	Toluene-D8	86%	68-130%
460-00-4	4-Bromofluorobenzene	82%	61-130%

Method Blank Summary

Job Number: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V882-MB1	5V15076.D	1	04/30/11	DC	n/a	n/a	V5V882

5.1.4

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

D23033-4, D23033-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.30	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.60	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	110%	63-130%
2037-26-5	Toluene-D8	87%	68-130%
460-00-4	4-Bromofluorobenzene	92%	61-130%

Blank Spike Summary

Job Number: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V341-BS1	7V06305.D	1	04/29/11	DC	n/a	n/a	V7V341

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

D23033-1, D23033-2, D23033-3, D23033-5, D23033-6, D23033-8, D23033-9, D23033-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	51.6	103	70-130
100-41-4	Ethylbenzene	50	53.2	106	70-130
108-88-3	Toluene	50	51.0	102	70-140
1330-20-7	Xylene (total)	100	102	102	55-134

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	106%	63-130%
2037-26-5	Toluene-D8	105%	68-130%
460-00-4	4-Bromofluorobenzene	109%	61-130%

Blank Spike Summary

Job Number: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V881-BS1	5V15051.D	1	04/29/11	DC	n/a	n/a	V5V881

5.2.2

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

D23033-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	59.2	118	70-130
100-41-4	Ethylbenzene	50	58.4	117	70-130
108-88-3	Toluene	50	57.3	115	70-140
1330-20-7	Xylene (total)	100	108	108	55-134

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	111%	63-130%
2037-26-5	Toluene-D8	90%	68-130%
460-00-4	4-Bromofluorobenzene	105%	61-130%

Blank Spike Summary

Job Number: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V615-BS1	3V10980.D	1	04/30/11	DC	n/a	n/a	V3V615

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

D23033-4, D23033-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	48.4	97	70-130
100-41-4	Ethylbenzene	50	49.1	98	70-130
108-88-3	Toluene	50	47.4	95	70-140
1330-20-7	Xylene (total)	100	88.7	89	55-134

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	96%	63-130%
2037-26-5	Toluene-D8	86%	68-130%
460-00-4	4-Bromofluorobenzene	88%	61-130%

Blank Spike Summary

Job Number: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V882-BS1	5V15077.D	1	04/30/11	DC	n/a	n/a	V5V882

5.2.4

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

D23033-4, D23033-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	57.8	116	70-130
100-41-4	Ethylbenzene	50	57.9	116	70-130
108-88-3	Toluene	50	55.4	111	70-140
1330-20-7	Xylene (total)	100	107	107	55-134

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	112%	63-130%
2037-26-5	Toluene-D8	86%	68-130%
460-00-4	4-Bromofluorobenzene	100%	61-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23033-3MS	7V06307.D	1	04/29/11	DC	n/a	n/a	V7V341
D23033-3MSD	7V06308.D	1	04/29/11	DC	n/a	n/a	V7V341
D23033-3	7V06306.D	1	04/29/11	DC	n/a	n/a	V7V341

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

D23033-1, D23033-2, D23033-3, D23033-5, D23033-6, D23033-8, D23033-9, D23033-10

CAS No.	Compound	D23033-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	54.8	110	54.9	110	0	59-132/30
100-41-4	Ethylbenzene	ND		50	56.6	113	56.8	114	0	68-130/30
108-88-3	Toluene	ND		50	54.1	108	53.7	107	1	56-142/30
1330-20-7	Xylene (total)	ND		100	108	108	108	108	0	36-146/30

CAS No.	Surrogate Recoveries	MS	MSD	D23033-3	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	103%	101%	63-130%
2037-26-5	Toluene-D8	104%	103%	105%	68-130%
460-00-4	4-Bromofluorobenzene	107%	107%	88%	61-130%

5.3.1

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D22853-1MS	5V15053.D	1	04/29/11	DC	n/a	n/a	V5V881
D22853-1MSD	5V15054.D	1	04/29/11	DC	n/a	n/a	V5V881
D22853-1	5V15052.D	1	04/29/11	DC	n/a	n/a	V5V881

5.3.2

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

D23033-12

CAS No.	Compound	D22853-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	27.5		50	82.8	111	83.1	111	0	59-132/30
100-41-4	Ethylbenzene	ND		50	54.2	108	55.3	111	2	68-130/30
108-88-3	Toluene	ND		50	54.1	108	54.5	109	1	56-142/30
1330-20-7	Xylene (total)	ND		100	102	102	101	101	1	36-146/30

CAS No.	Surrogate Recoveries	MS	MSD	D22853-1	Limits
17060-07-0	1,2-Dichloroethane-D4	109%	106%	109%	63-130%
2037-26-5	Toluene-D8	90%	85%	88%	68-130%
460-00-4	4-Bromofluorobenzene	105%	103%	93%	61-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23035-3MS	3V10982.D	1	04/30/11	DC	n/a	n/a	V3V615
D23035-3MSD	3V10983.D	1	04/30/11	DC	n/a	n/a	V3V615
D23035-3	3V10981.D	1	04/30/11	DC	n/a	n/a	V3V615

5.3.3

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

D23033-4, D23033-7

CAS No.	Compound	D23035-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	51.1	102	50.5	101	1	59-132/30
100-41-4	Ethylbenzene	ND		50	51.3	103	51.0	102	1	68-130/30
108-88-3	Toluene	ND		50	49.3	99	49.6	99	1	56-142/30
1330-20-7	Xylene (total)	ND		100	92.7	93	91.0	91	2	36-146/30

CAS No.	Surrogate Recoveries	MS	MSD	D23035-3	Limits
17060-07-0	1,2-Dichloroethane-D4	96%	92%	94%	63-130%
2037-26-5	Toluene-D8	86%	85%	88%	68-130%
460-00-4	4-Bromofluorobenzene	89%	86%	83%	61-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D23033
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23037-23MS	5V15079.D	1	04/30/11	DC	n/a	n/a	V5V882
D23037-23MSD	5V15080.D	1	04/30/11	DC	n/a	n/a	V5V882
D23037-23	5V15078.D	1	04/30/11	DC	n/a	n/a	V5V882

5.3.4

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

D23033-4, D23033-11

CAS No.	Compound	D23037-23 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	59.5	119	62.6	125	5	59-132/30
100-41-4	Ethylbenzene	ND		50	59.1	118	61.8	124	4	68-130/30
108-88-3	Toluene	ND		50	55.3	111	59.2	118	7	56-142/30
1330-20-7	Xylene (total)	ND		100	110	110	115	115	4	36-146/30

CAS No.	Surrogate Recoveries	MS	MSD	D23037-23	Limits
17060-07-0	1,2-Dichloroethane-D4	111%	114%	122%	63-130%
2037-26-5	Toluene-D8	89%	91%	89%	68-130%
460-00-4	4-Bromofluorobenzene	106%	108%	93%	61-130%