AP - 33

ANNUAL MONITORING REPORT

YEAR(S):

10/23/2006

Chavez, Carl J, EMNRD

From: Weathers, Stephen W [swweathers@duke-energy.com]
Sent: Tuesday, October 24, 2006 1:36 PM
To: Chavez, Carl J, EMNRD
Cc: Ward, Lynn C; Michael Stewart
Subject: DEFS Eldridge Project (AP#33)

Mr. Chavez

Attached you will find the groundwater monitoring report for the 2nd Quarter 2006 groundwater monitoring results for the DEFS Eldridge Project located near Monument, New Mexico (Unit P, Section 21, Township 19 South, Range 37 East). I will be sending a CD of this report to Larry Johnson at the Hobbs District Office.

If you have any questions, please give me a call at 303-605-1718.

Thanks

Steve Weathers
Duke Energy Field Services, LP

Duke Energy® Field Services

370 17th Street, Suite 2500
Denver, Colorado 80202
303-595-3331 – main
303-605-1957 – fax

October 23, 2006

Mr. Carl Chavez
Environmental Bureau
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: 2nd Quarter 2006 Groundwater Monitoring Results
DEFS Eldridge Ranch Study Area (AP#-33)
Unit P, Section 21, Township 19 South, Range 37 East
Lea County, New Mexico

Dear Mr. Chavez:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, an electronic copy of the 2nd Quarter 2006 Groundwater Monitoring Results for the DEFS Eldridge Study Area located near Monument, New Mexico (Unit P, Section 21, Township 19 South, Range 37 East).

If you have any questions regarding these reports, please call at 303-605-1718 or e-mail me swweathers@duke-energy.com .

Sincerely

Duke Energy Field Services, LP

Stephen Weathers, PG
Sr. Environmental Specialist

cc: Larry Johnson, OCD Hobbs District Office (CD copy)
Lynn Ward, DEFS Midland Office
Environmental Files

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC

October 6, 2006

Mr. Stephen Weathers
Duke Energy Field Services, LP
370 Seventeenth Street, Suite 2500
Denver, Colorado 80202

Subject: Summary of Second Quarter 2006 Groundwater Monitoring Results for the DEFS Eldridge Ranch Study Area, (AP#-33), Lea County, New Mexico (Unit P, Section 21, Township 19 South, Range 37 East)

Dear Steve:

This letter summarizes the activities completed and data generated during the second quarter 2006 groundwater-sampling episode at the Duke Energy Field Services (DEFS) Eldridge Ranch Study Area. The study area is located approximately 1 mile north and 0.75 miles east of the town of Monument in Lea County New Mexico (Figure 1). The OCD location descriptor is Unit P, Section 21, Township 19 South, Range 37 East. The coordinates for the area are 32 degrees 38.5 minutes north, 103 degrees 15.4 minutes east.

The former NMG-148C Study Area was combined with the Eldridge Ranch Study Area beginning with the first quarter of 2006. The areas were combined after establishing that the hydrocarbon plume originating from the NMG-148C study area had migrated into the Eldridge Ranch Study area before it attenuated. The combined sites will be treated as a single entity in all subsequent episodes.

Activities at the site are governed under Abatement Plan AP#33. DEFS submitted the Stage 1 Abatement Site Investigation Report (ASIR) on February 11, 2004 to the New Mexico Oil Conservation Division (OCD). In that report, DEFS committed to continuing two activities independent of the ASIR review timeframe. The two activities include groundwater monitoring and free phase hydrocarbon (FPH) removal when practicable.

FIELD PROGRAM DESCRIPTION

The groundwater monitoring activities were completed on June 19 and 20, 2006. All activities were completed using the protocols included in the Sampling and Analysis Plan (SAP) that was prepared specifically for this project and approved by OCD.

The groundwater monitoring activities are divided into water table measurements, free phase hydrocarbon thickness measurements and groundwater sampling. The activities completed and data generated are summarized below.

Water Table Measurements

The fluid levels in all of the wells were measured prior to beginning the purging and sampling activities. Table 1 provides construction information for the wells. The well locations are shown on Figure 2. The corrected groundwater elevations that were measured during the June 2006 monitoring activities are shown on Table 2 along with the historical data. Approximate corrected 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 FPH density (assumed at 0.72 based upon site-specific information).

Hydrographs for select wells with longer periods of record are included in Figure 3. The water table continues to uniformly decline over the site from the December 2004 highs.

Water table contours based upon the corrected June 2006 data are shown in Figure 4. The contours were generated using the Surfer program with a kriging option and modified as necessary to better match the actual distribution. This figure is discussed in the below in the conclusions section.

The 3.57 head difference between MW-1 and MW-1D remains consistent with the historic measurements beginning in February 2003 (Table 2). The head difference between the two wells has varied between 3.52 and 3.59 feet with one exception (3.92 feet in September 2004).

Free Phase Hydrocarbon Thickness Gauging

The FPH thickness measurements are summarized on Table 3. Thickness over time is plotted on Figure 5 for wells that currently contain FPH. MW-27 is the only well that has contained FPH since it was installed. Wells MW-N and MW-LL are located near to MW-27, and they have contained relatively consistent FPH thicknesses over the past year. A thin (0.01 foot) layer of FPH was measured in MW-CC in March 2006 and June 2006. The FPH thickness in MW-EE appears to be declining.

Groundwater Sampling

Representative groundwater samples were collected from 47 wells. The remaining wells either had FPH or are not included in the sampling part of the program (groundwater measurement only). All of the groundwater samples were analyzed for benzene,

ethylbenzene, toluene and xylenes (BTEX). The BTEX results for the monitoring episode are summarized in Table 4. The laboratory reports are included in Attachment B.

The quality assurance analyses completed on the data are summarized in Table 5. The relative percentage difference (RPD) values for the three wells with duplicate samples are summarized in the upper part of Table 5. The results for all of the detected constituents except ethylbenze and p/m xylenes in MW-5 were all acceptable. The concentrations of these two constituents are substantially below any potentially-applicable regulatory standards. The matrix spike and matrix spike duplicate results were all also within their control limits. Based upon the above assessments, the data is suitable for the intended uses.

The measured concentrations and the calculated isopleths for benzene for June 2006 are shown on Figure 6 along with the wells that contained FPH. The isopleths were calculated using the Surfer program with a kriging option. The map will be discussed in the conclusions section below.

CONCLUSIONS

The interpretations and conclusions are grouped according to groundwater flow, product thickness and groundwater chemistry.

Groundwater Flow and Free Phase Hydrocarbon Thickness

Conclusions resulting from the June 2006 monitoring episode related to groundwater flow include:

1. The data from the newly installed wells (MW-28, MW-29, MW-30 and MW-31) continues to indicate that groundwater flow beneath the northern part of the Huston property is southward rather than toward the southeast.

2. The water table continues to decline at a uniform rate across the site from a high in December 2004 (Figure 3).

3. The vertical gradient measured between the MW-1s and MW-1d has not varied substantially over the duration of the project.

Conclusions resulting from the June 2006 monitoring episode related to FPH include:

1. FPH is present in five wells in the west-central part of the study area. The FPH mobility appears to be limited based upon historic baildown/recovery tests and its failure to reappear in previously-affected wells to the south (Table 3).

2. FPH was also present to the north in MW-EE at 0.35 feet. FPH has now declined from a maximum thickness of 0.83 feet in September 2005.

3. FPH was not measured anywhere else within the study area.

Spatial Benzene Distribution

The benzene distribution depicted in Figure 6 has remained essentially unchanged over the duration of the project. Wells MW-28, MW-30 and MW-31, installed in March 2006, did not contain detectable concentrations of the BTEX constituents when they were sampled a second time. The March 2006 and June 2006 data from MW-29 are summarized below:

Well	Benzene	Toluene	Ethylbenzene	o Xylenes	m/p Xylenes
March 2006	0.123	0.00267	0.00372	0.00606	< 0.001
June 2006	0.0259	0.000403	<0.001	<0.001	<0.001

The June 2006 concentrations for benzene and toluene were substantially lower than the initial March 2006 values. The concentrations for ethylbenzene and o xylenes declined below their respective method reporting limits while m/p xylenes remained below the method reporting limit. This trend, and its potential applicability to changes in the extent of the dissolved-phase hydrocarbon plume, will be evaluated after future monitoring episodes.

Temporal Benzene Distribution

The benzene-time graphs for wells in various parts of the study area were updated and evaluated for indications of dissolved-phase benzene plume expansion or contraction. The evaluation begins with the northernmost NMG-148C plume and moves south. The historic data used to generate these plots are Attached along with the compiled toluene, ethylbenzene and xylenes data.

Time-benzene plots for the down-gradient NMG wells are shown on Figure 7. The benzene concentrations in NMG MW-5 and NMG MW-6 and NMG-MW-7, all closer to the source, exhibited concentration increases. Wells NMG MW-8, NMG MW-9, NMG MW-10 and NMG MW-12 are all farther away from the source area, and their concentrations either remained constant or decreased. This pattern indicates that the areal extent of the dissolved-phase plume associated with the NMG release is not expanding .

Figure 8 graphs the benzene-time relationship for six wells in the central part of the Huston Property. The concentrations in wells MW-E and MW-I, located in the southern part of this area, continue to decline. The samples from the remaining four wells (MW-M, MW-O, MW-Q and MW-MM) produced concentrations that were at or slightly higher than the March 2006 values. These relationships indicate that the southern part of the

dissolved-phase plume in this area appears to be contracting to the north while the remainder of the plume in this area remains constant. None of the data indicates that plume is expanding.

Finally, the benzene-time concentrations for the wells that are located immediately adjacent to (MW-1) or on the DEFS-Eldridge property (irrigation well, house well) are shown on Figure 9. The concentrations in MW-1 and the Irrigation well leveled out after an appreciable 1-year decline. The concentration in the House Well has remained relatively consistent over the past three sampling episodes. The pattern does not indicate that the dissolved phase plume is expanding in this area. Wells MW-A, MW-4 and MW-5, located north of the Huston-DEFS Eldridge boundary, remained relatively consistent.

All of the above relationships indicate that natural attenuation is stabilizing and removing hydrocarbons as they migrate away from the source areas. There is no evidence of plume expansion.

RECOMMENDATIONS

AEC recommends that the third quarter monitoring be completed and evaluated. The monitoring frequency should then be decreased from quarterly to semiannually if the data results do not vary appreciably.

The potential for FPH removal will be evaluated based upon information gathered during the third quarter monitoring episode. Recommendations on FPH will be provided as necessary separate from the monitoring report.

Thank you for allowing AEC to complete this work. 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, CPG
Principal Engineer

MHS/tbm

Attachments

TABLES

Table 1 – Monitoring Well Information

Well	Date Installed	Total Well Depth	Screen Interval	Sand Interval
MW-1	8/01	28.0	11.8-26.8	9.8-27
MW-1D	12/02	48.0	34-44	33-48
MW-2	8/01	28.0	11.7-26.7	8.7-27
MW-3	8/01	30.0	13.4-28.4	10.4-29
MW-4	8/01	30.0	13.2-28.2	10.2-29
MW-5	8/01	27.0	10.2-25.2	7.2-26
MW-6	8/01	30.0	13.5-28.5	10.5-29.0
MW-7	8/01	35.0	18.6-33.6	15.6-34
MW-8	3/02	30.0	15.0-30.0	12-30
MW-9	3/02	27.0	11.4-26.4	8.4-27
MW-10	3/02	31.0	15.2-30.2	12-31
MW-11	3/02	30.4	15.3-30.3	12-30.4
MW-12	3/02	34.0	18-33	15-34
MW-13	3/02	36.0	18.11-33.11	16-36
MW-14	3/02	32.0	16.11-31.11	14-32
MW-15	9/02	35.5	20-35	18-35.5
MW-16	9/02	25.0	9.5-24.5	9-24.5
MW-17	9/02	25.0	9.5-24.5	9-24.5
MW-18	9/02	32.0	16.5-31.5	15-32
MW-19	9/02	30.0	7-27	6-30
MW-20	9/02	32.0	16.5-31.5	15-32
MW-21	9/02	35.0	19.5-34.5	18-35
MW-22	9/02	36.0	17-32	15-36
MW-23	9/02	30.0	14.5-29.5	11-30
MW-24	12/02	35.0	19-34	17-34
MW-25	2/03	37.0	17-37	15-37
MW-26	2/03	35.0	15-35	13-35
MW-27	2/03	37.0	17-37	15-37
MW-28	3/06	30	15-30	13-30
MW-29	3/06	33	18-33	16-33
MW-30	3/06	30	15-30	13-30
MW-31	3/06	27	12-27	10.5-27

All units in feet
Minimum of 2 feet of pelletized bentonite on top of all sand packs.
Wells that were plugged and abandoned in November 2005 were deleted from this table

Table 1 – Monitoring Well Information (continued)

Well	Date Installed	Total Depth	Screened Interval	Sand Interval
MW-A	11/03	26.5	11-26	8-26.5
MW-E	11/03	31	15-30	13-31
MW-F	11/03	26	9-24	6-24
MW-I	11/03	36.5	19-34	17-36.5
MW-J	11/03	27.5	12-27	9-27.5
MW-M	11/03	38.5	23-38	21-38
MW-N	11/03	36.5	21-36	19-36.5
MW-O	11/03	36.5	21-36	19-36.5
MW-Q	11/03	36	19-34	16-36
MW-S	11/03	28.5	13-28	10-28.5
MW-CC	11/03	36.5	21-36	19-36.5
MW-EE	11/03	33.5	18-33	16-33.5
MW-LL	11/03	37.5	22-37	20-37.5
MW-MM	11/03	36	19-34	16-36
NMG MW2	12/16/02	35	20-35	18-35
NMG MW3	2/5/03	37	17-37	15-37
NMG MW4	2/5/03	37	17-37	15-37
NMG MW5	12/15/04	35	20-35	11-20
NMG MW6	4/17/05	35	15-35	12-35
NMG MW7	4/17/05	35	15-35	12-35
NMG MW8	4/17/05	35	15-35	12-35
NMG MW9	4/14/05	35	20-35	18-35
NMG MW10	11/10/05	30	15-30	12-30
NMG MW11	11/10/05	30	15-30	12-30
NMG MW12	11/10/05	30	15-30	12-30
NMG MW13	11/10/05	30	15-30	12-30
House Well	?	25	?	?
Irrigation Well	?	44.5	?	?

All units in feet
?: no information available
Minimum of 2 feet of pelletized bentonite on top of all sand packs.
Wells that were plugged and abandoned in November 2005 were deleted from this table

Table 2 - Groundwater Elevations Corrected for Free Product When Present

Well	8/9/01	3/3/02	7/18/02	10/10/02	2/22/03	6/5/03	9/24/03	12/9/03	1/12/04	3/22/04	6/21/04	9/20/04	12/10/04	3/21/05	6/27/05	9/30/05	12/20/05	3/13/06	6/19/06
MW-1	3602.20	3599.02	3598.68	3598.55	3598.68	3598.59	3598.36	3598.48	3598.47	3598.46	3599.07	3598.59	3604.27	3602.52	3601.37	3601.11	3600.65	3600.48	3600.25
MW 1D					3595.12	3595.03	3594.81	3594.90	3594.92	3594.91	3595.52	3594.67	3600.74	3599.00	3597.83	3597.52	3597.10	3596.94	3596.68
MW-2	3601.63	3599.33	3598.95	3598.81	3598.99	3598.88	3598.66	NM	3598.75	3598.73	3599.34	3598.88	3604.24	3602.67	3601.62	3601.34	3600.94	3600.76	3600.56
MW-3	3601.67	3601.67	3599.11	3598.96	3599.09	3599.01	3598.80	3598.89	3598.89	3598.88	3599.48	3599.01	3604.73	3603.00	3601.84	3603.55	3601.07	3600.89	3600.66
MW-4	3602.16	3599.81	3599.34	3599.17	3599.30	3599.24	3599.01	3599.05	3599.07	3599.08	3599.67	3599.17	3605.75	3604.21	3602.93	3602.31	3601.61	3601.46	3601.09
MW-5	3602.98	3600.48	3600.09	3599.93	3600.20	3600.03	3599.75	3599.91	3599.92	3599.94	3600.50	3599.85	3606.56	3604.37	3603.08	3602.78	3602.30	3602.14	3601.75
MW-6	3606.44	3603.99	3603.42	3603.22	3603.27	3603.21	3603.01	3602.99	3602.99	3602.98	3603.60	3603.12	3608.71	3607.73	3607.05	3606.68	3606.05	3605.78	3605.44
MW-7	3606.47	3604.02	3603.46	3603.31	3603.30	3603.25	3603.10	3603.05	3603.05	3603.01	3603.50	3603.17	3606.33	3607.13	3606.66	3606.39	3605.98	3605.73	3605.48
MW-8		3605.22	3602.50	3602.33	3602.34	3602.25	3602.00	3602.00	3602.13	3601.98	3619.49	3602.12	3608.29	3607.10	3606.24	3605.93	3605.27	3605.14	3604.86
MW-9		3604.78	3601.14	3600.91	3601.05	3600.91	3600.62	3600.66	3600.66	3600.67	3601.43	3600.74	3608.59	3606.24	3605.11	3604.77	3604.30	3604.07	3603.62
MW-10		3606.67	3603.96	3603.76	3603.74	3603.67	3603.41	3603.39	3603.38	3603.36	3604.15	3603.55	3609.15	3608.08	3607.48	3607.29	3606.97	3606.78	3606.50
MW-11		3606.16	3603.64	3602.47	3603.39	3603.32	3603.04	3603.07	3603.04	3603.00	3620.96	3603.22	3608.39	3607.68	3607.06	3606.87	3606.42	3606.33	3606.08
MW-12		3607.44	3604.87	3604.69	3604.60	3604.54	3604.36	3604.32	3604.27	3604.23	3604.89	3604.44	3608.74	3608.52	3608.07	3607.95	3607.65	3607.51	3607.30
MW-13		3608.80	3605.01	3604.79	3604.79	3604.70	3604.43	3604.40	3604.39	3604.37	3605.24	3605.58	3611.18	3609.94	3609.16	3608.92	3608.47	3608.25	3607.88
MW-14		3608.66	3606.04	3605.85	3605.81	3605.74	3605.51	3605.47	3605.45	3605.43	3606.23	3605.67	3611.79	3610.76	3609.97	3609.65	3609.14	3608.94	3608.61
MW-15				3608.42	3608.43	3608.43	3608.41	3608.41	3608.40	3608.38	3608.50	3608.44	3612.56	3611.89	3611.16	3610.76	3610.34	3610.12	3609.86
MW-16				3592.88	3593.10	3592.88	3592.87	NM	3592.82	3592.84	3593.38	3592.80	3599.29	3597.48	3596.30	3595.94	3595.31	3595.09	3594.68
MW-17				3592.92	3593.17	3592.98	3592.72	NM	3592.89	3592.92	3593.32	3592.79	3598.09	3596.63	3595.64	3595.40	3594.95	3594.79	3594.42
MW-18				3600.19	3600.42	3600.24	3599.91	3600.04	3600.06	3600.08	3600.75	3600.04	3608.31	3605.89	3604.61	3604.28	3603.66	3603.43	3602.93
MW-19				3599.70	3600.05	3599.78	3599.45	3599.64	3599.67	3599.70	3600.31	3599.54	3608.59	3605.42	3604.04	3603.66	3603.16	3602.91	3602.29
MW-20				3605.44	3605.32	3605.26	3605.14	3605.09	3605.04	3604.99	3605.41	3605.13	3607.53	3608.64	3608.40	3608.35	3608.10	3607.97	3607.78
MW-21				3606.29	3606.26	3606.22	3606.06	3606.04	3606.02	3606.00	3606.70	3606.26	3612.20	3611.41	3610.68	3610.35	3609.88	3609.63	3609.35
MW-22				3605.80	3605.81	3605.73	3605.45	3605.44	3605.43	3605.41	3606.22	3605.63	3612.25	3610.82	3609.96	3609.61	3609.19	3608.94	3608.58
MW-23				3607.55	3607.50	3607.46	3607.26	3607.24	3607.21	3607.19	3607.82	3606.41	3612.30	3611.56	3610.86	3610.48	3610.03	3609.8	3609.50
MW-24					3587.76	3587.66	3587.47	NM	3587.56	3587.56	3588.04	3587.63	3591.98	3590.90	3590.27	3590.03	3589.56	3589.34	3589.11
MW-25					3611.96	3611.94	3611.89	3611.86	3611.84	3611.81	3612.12	3611.97	3614.74	3614.78	3614.21	3613.85	3613.45	3613.29	3613.09
MW-26					3609.37	3609.36	3609.20	3609.18	3609.14	3609.13	3609.62	3609.35	3613.57	3613.19	3612.51	3612.15	3611.72	3611.50	3611.23
MW-27					3606.23	3606.17	3605.86	3606.09	3605.85	3605.81	3606.67	3606.04	3612.69	3611.43	3610.66	3610.44	3609.96	3609.74	3609.37
MW-28																		3611.56	3611.17
MW-29																		3610.05	3609.81
MW-30																		3608.94	3608.56
MW-31																		3607.26	3606.82

Notes: 1)All units in feet, 2) NM: well not gauged; 3) blank cell: well not installed at time of sampling.

Table 2 - Groundwater Elevations Corrected for Free Product When Present (continued)

Well	12/9/03	1/12/04	3/22/04	6/21/04	9/20/04	12/10/04	3/21/05	6/27/05	9/30/05	12/20/05	3/13/06	6/19/06
MW-A	3594.96	3594.95	3594.94	3595.55	3595.06	3600.83	3599.07	3597.04	3596.77	3598.00	3595.18	3596.60
MW-E	3598.83	3598.84	3598.85	3599.44	3598.79	3605.89	3603.43	3602.31	3602.08	3601.50	3601.36	3600.91
MW-F	3598.96	3598.99	3599.02	3599.58	3598.83	3606.67	3603.78	3600.55	3600.23	3602.16	3599.71	3601.43
MW-I	3602.15	3602.17	3602.16	3602.89	3602.27	3608.89	3607.51	3606.61	3606.33	3605.77	3605.52	3605.09
MW-J	3601.61	3601.67	3601.63	3602.34	3601.65	3609.62	3607.73	3606.57	3606.10	3605.49	3605.16	3604.60
MW-M	3605.18	3605.16	3605.12	3605.92	3605.36	3611.15	3610.24	3609.66	3609.39	3608.95	3608.79	3608.20
MW-N	3605.11	3605.10	3605.05	3605.93	3605.29	3611.89	3610.67	3609.89	3609.65	3609.19	3608.96	3608.59
MW-O	3605.10	3605.08	3605.06	3605.92	3605.28	3611.87	3610.65	3609.85	3609.62	3609.16	3608.94	3608.58
MW-Q	3606.03	3606.01	3605.99	3606.84	3606.19	3612.82	3611.46	3610.67	3610.45	3610.03	3609.82	3609.45
MW-S	3604.92	3604.91	3604.90	3605.73	3605.08	3611.91	3610.27	3609.42	3609.19	3608.79	3607.74	3607.35
MW-CC	3605.16	3605.14	3605.09	3605.98	3605.337	3611.95	3610.71	3610.44	3609.71	3609.24	3610.03	3608.65
MW-EE	3607.61	3607.59	3607.54	3608.18	3607.83	3612.61	3611.87	3611.10	3610.76	3610.30	3610.08	3609.78
MW-LL	3605.10	3605.08	3605.05	3605.92	3605.27	3611.87	3610.69	3609.91	3609.67	3609.21	3608.99	3608.61
MW-MM	3606.65	3606.62	3606.60	3607.35	3606.85	3612.49	3611.65	3610.98	3610.60	3610.12	3608.91	3608.61
NMG MW2	3616.89	3616.84	3618.06	3617.25	3621.74	3621.27	3620.90	3620.42	3619.98	3619.98	3619.69	3619.34
NMG MW3	3619.94	3619.89	3620.43	3620.09	3623.70	3623.41	3622.92	3622.29	3621.88	3621.88	3621.60	3621.34
NMG MW4	3615.57	3615.52	3616.34	3615.86	3618.78	3619.40	3619.11	3618.75	3618.42	3618.42	3618.16	3617.85
NMG MW5						NM	3620.44	3619.82	3619.36	3619.36	3619.07	3618.69
NMG MW6						3620.44	3619.85	3619.17	3618.68	3618.68	3618.37	3617.94
NMG MW7						3619.27	3618.71	3617.99	3617.46	3617.46	3617.13	3616.71
NMG MW8						3619.91	3619.35	3618.70	3618.25	3618.25	3617.95	3617.55
NMG MW9						3618.95	3618.30	3617.59	3617.01	3617.01	3616.66	3616.22
NMG MW10									3617.13	3617.13	3616.79	3616.35
NMG MW11									3616.49	3616.49	3616.20	3615.74
NMG MW12									3614.71	3614.71	3614.34	3613.85
NMG MW13									3614.53	3614.53	3614.22	3613.74

otes: All units in feet
NM: well not gauged
Blank cell: well not installed at time of sampling.
See text for discussion of corrections for free phase hydrocarbons
Wells that were plugged and abandoned in November 2005 were deleted from this table

Table 3 – Measured Free Phase Hydrocarbon Thicknesses

Well	10/10/02	2/22/03	6/04/03	9/24/03	12/09/03	1/12/04	3/22/04	6/21/04	9/20/04	12/10/04	3/21/05	6/27/05	9/30/05	12/20/05	3/13/06	6/19/06
MW-8	0.00	0.00	0.30	0.47	0.50	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-11	0.01	1.35	1.36	1.33	1.40	1.41	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-18	0.00	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-23	0.58	0.57	0.59	0.56	0.52	0.54	0.41	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW-26		0.71	0.84	0.21	0.05	0.02	0.02	0.01	0.03	0.00	0.00	0.00	0.00	0.01	0.01	0.01
MW-27		1.25	1.26	1.18	0.37	1.16	1.11	1.09	1.08	0.72	0.86	1.00	0.81	0.92	1.05	1.03
MW-N					1.10	1.10	1.09	0.99	1.00	0.00	0.82	1.80	0.00	0.00	0.49	0.60
MW-CC					1.20	1.20	1.20	1.10	1.13	0.00	0.00	0.00	0.98	0.96	0.01	0.01
MW-EE					0.27	0.26	0.21	0.14	0.03	0.00	0.00	0.44	0.83	0.55	0.46	0.35
MW-LL					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.92	0.00	0.79

Notes: All units are feet.
Blank cell: well not installed at time of sampling.

Table 4 – Summary of June 2006 BTEX Analyses

Well	Benzene	Toluene	Ethylbenzene	p/m Xylenes	o Xylenes
MW-1	0.13	0.01	0.0839	0.19	0.00149
MW-1D	<0.001	<0.001	<0.001	<0.001	<0.001
MW-5	0.0216	0.00787	0.00589	0.018	0.00539
MW-5 Duplicate C	0.0263	0.00628	0.0443	0.0848	<0.001
MW-6	0.0341	0.00907	0.0545	0.103	<0.001
MW-8	3.21	0.178	0.192	0.565	0.131
MW-9	<0.001	<0.001	<0.001	<0.001	<0.001
MW-10	1.16	0.00695	0.0341	0.043	0.00462
MW-11	11.7	1.22	0.384	0.446	0.176
MW-12	22.3	0.151	0.156	0.0517	<0.1
MW-12 Duplicate B	20.6	0.12	0.144	<0.1	<0.1
MW-14	0.0432	0.00336	<0.001	0.000611	<0.001
MW-16	<0.001	<0.001	<0.001	<0.001	<0.001
MW-17	<0.001	<0.001	<0.001	<0.001	<0.001
MW-18	0.0428	0.0121	0.0201	0.048	0.0108
MW-19	<0.001	<0.001	<0.001	<0.001	<0.001
MW-22	<0.001	<0.001	<0.001	<0.001	<0.001
MW-23	0.722	0.0624	0.206	0.342	0.00772
MW-24	<0.001	<0.001	<0.001	<0.001	<0.001
MW-25	<0.001	<0.001	<0.001	<0.001	<0.001
MW-28	<0.001	<0.001	<0.001	<0.001	<0.001
MW-29	0.0259	0.000403	<0.001	<0.001	<0.001
MW-30	<0.001	<0.001	<0.001	<0.001	<0.001
MW-31	<0.001	<0.001	<0.001	<0.001	<0.001

Notes: All units mg/l
FPH: Free phase hydrocarbons present no groundwater sample collected

Table 4 – Summary of June 2006 BTEX Analyses (continued)

Well	Benzene	Toluene	Ethylbenzene	p/m Xylenes	o Xylenes
MW-A	0.223	0.387	0.132	0.304	0.0718
MW-E	0.0147	0.00166	0.000656	0.00125	<0.001
MW-F	<0.001	<0.001	<0.001	<0.001	<0.001
MW-I	0.011	0.00587	0.00141	0.00249	<0.001
MW-J	<0.001	<0.001	<0.001	<0.001	<0.001
MW-M	40.4	0.492	0.367	0.31	0.0885
MW-O	19.6	<0.1	0.283	0.134	<0.1
MW-Q	3.24	<0.05	0.137	0.139	<0.05
MW-S	<0.001	<0.001	<0.001	<0.001	<0.001
MW-MM	0.537	0.00855	0.0971	0.0804	<0.005
House	0.0264	0.00139	0.00108	0.000605	<0.001
Irrigation	0.0926	0.0383	0.0701	0.186	0.0233
NMG MW2	<0.001	<0.001	<0.001	<0.001	<0.001
NMG MW3	<0.001	<0.001	<0.001	<0.001	<0.001
NMG MW4	<0.001	<0.001	<0.001	<0.001	<0.001
NMG MW5	10.4	<0.02	0.0146	0.141	0.00455
NMG MW5 Duplicate A	10.9	<0.05	<0.05	0.147	<0.05
NMG MW6	5	0.0112	0.131	0.141	0.00366
NMG MW7	0.114	0.0229	0.0645	0.0993	0.00538
NMG MW8	0.366	0.00335	0.00348	0.0138	<0.005
NMG MW9	0.0866	0.00177	0.0197	<0.005	<0.005
NMG MW10	1.17	0.0181	0.327	0.796	0.11
NMG MW11	<0.001	<0.001	<0.001	<0.001	<0.001
NMG MW12	0.856	0.00841	0.178	0.00629	<0.005
NMG MW13	<0.001	<0.001	<0.001	<0.001	<0.001

Notes: All units mg/l
FPH: Free phase hydrocarbons present no groundwater sample collected

Table 5 – June 2006 Duplicate Sample Evaluation

Relative Percentage Difference

	Benzene	Toluene	Ethylbenzene	p/m Xylenes	o Xylenes
MW-5	-19.62%	22.47%	-153.06%	-129.96%	NA
MW-12	7.93%	22.88%	8.00%	NA	NA
NMG MW5	-4.69%	NA	NA	-4.17%	NA

NA: Test not applicable because the sample results were below the method reporting limit

MW-24 Matrix Spike Results

	Benzene	Toluene	Ethylbenzene	p/m Xylenes	o Xylenes
MW-9 Matrix Spike	113	115	101	113	110
MW-9 Matrix Spike Duplicate	111	116	111	119	116
MW-24 Matrix Spike	98.4	100	107	102	103
MW-24 Matrix Spike Duplicate	106	116	111	119	118

Percent recovery limits are 80% to 120%

FIGURES

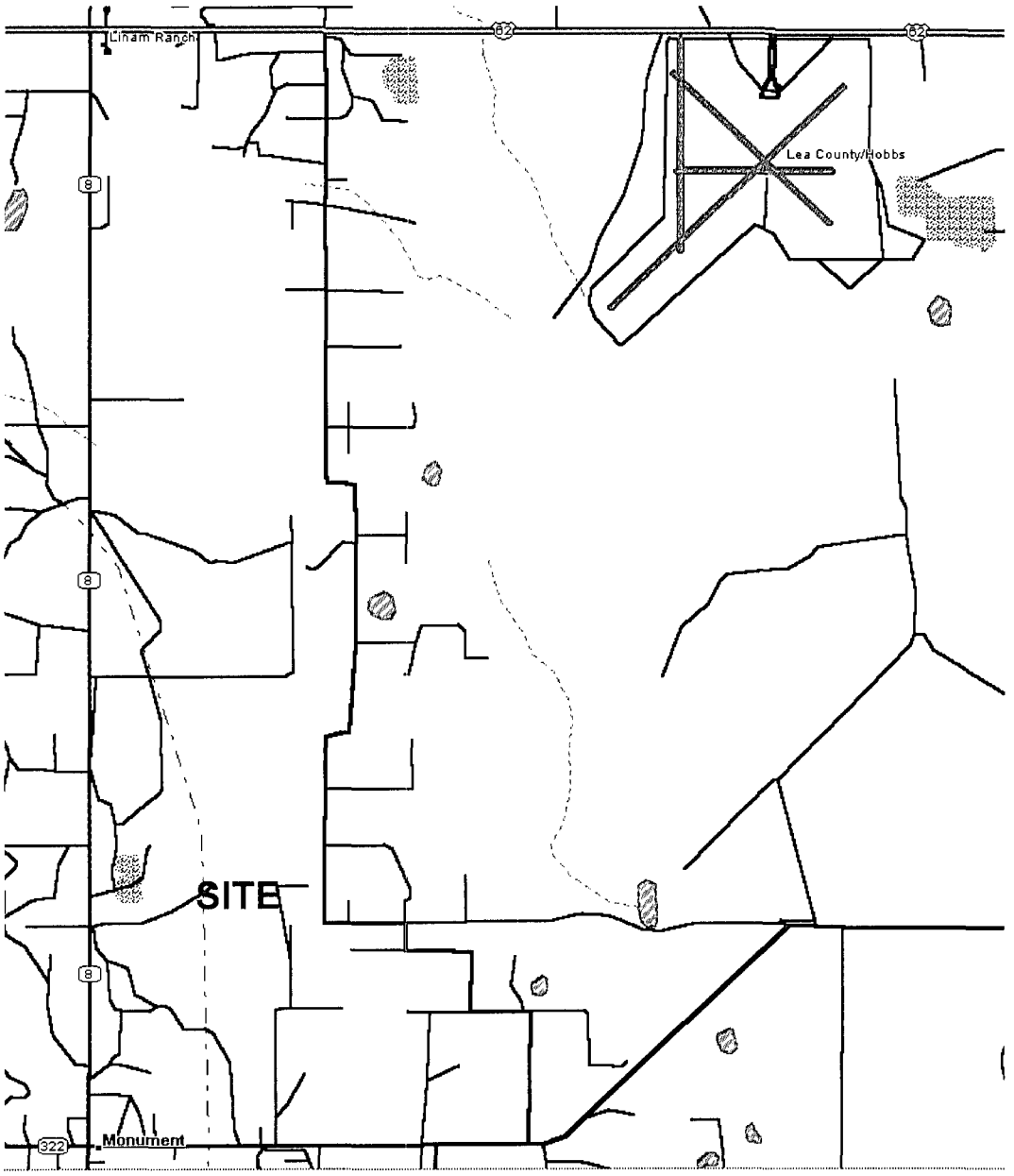
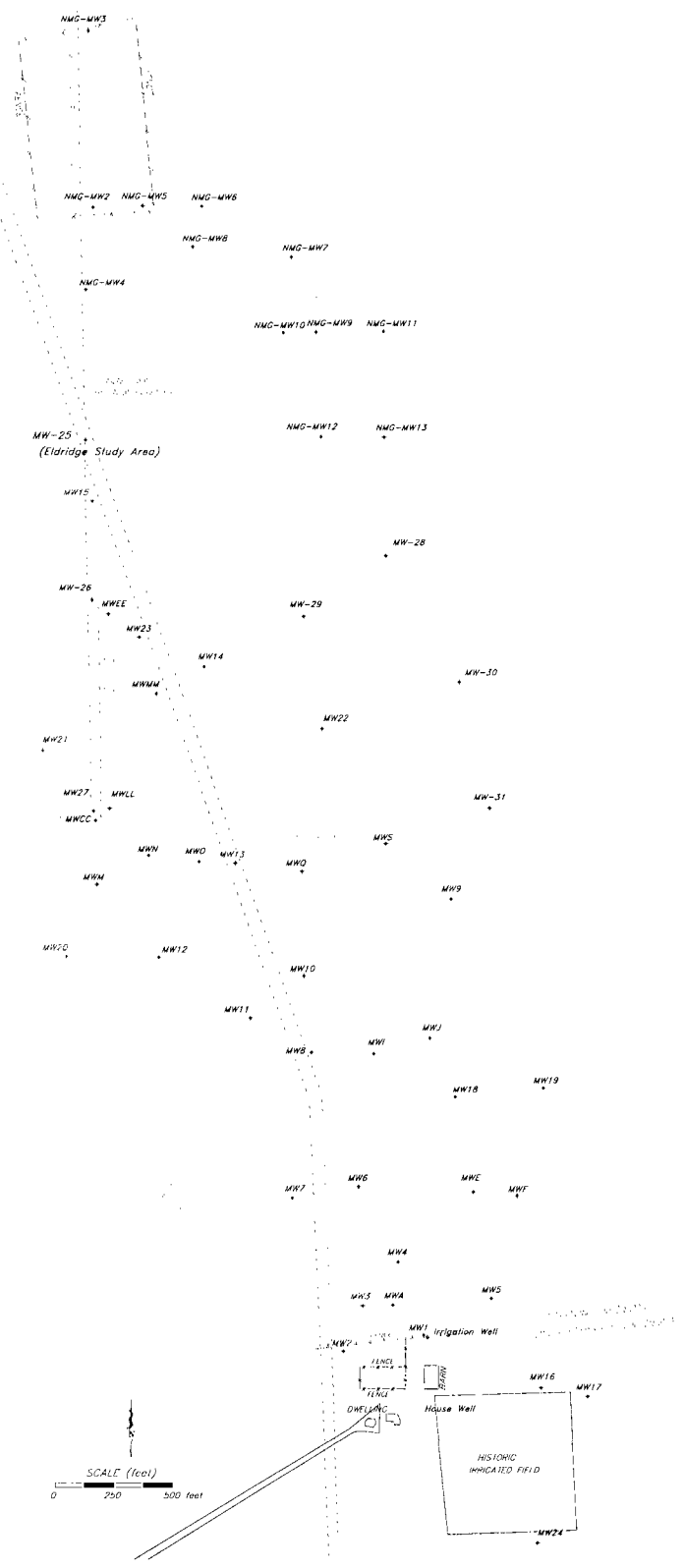


Figure 1 – Site Location Map
DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS
REVISED:
DATE: 10/02



Note:
Wells shown in blue are used for fluid measurement only

Figure 2 - Monitoring Well and Pipeline Locations

DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS

DATE: 5/06

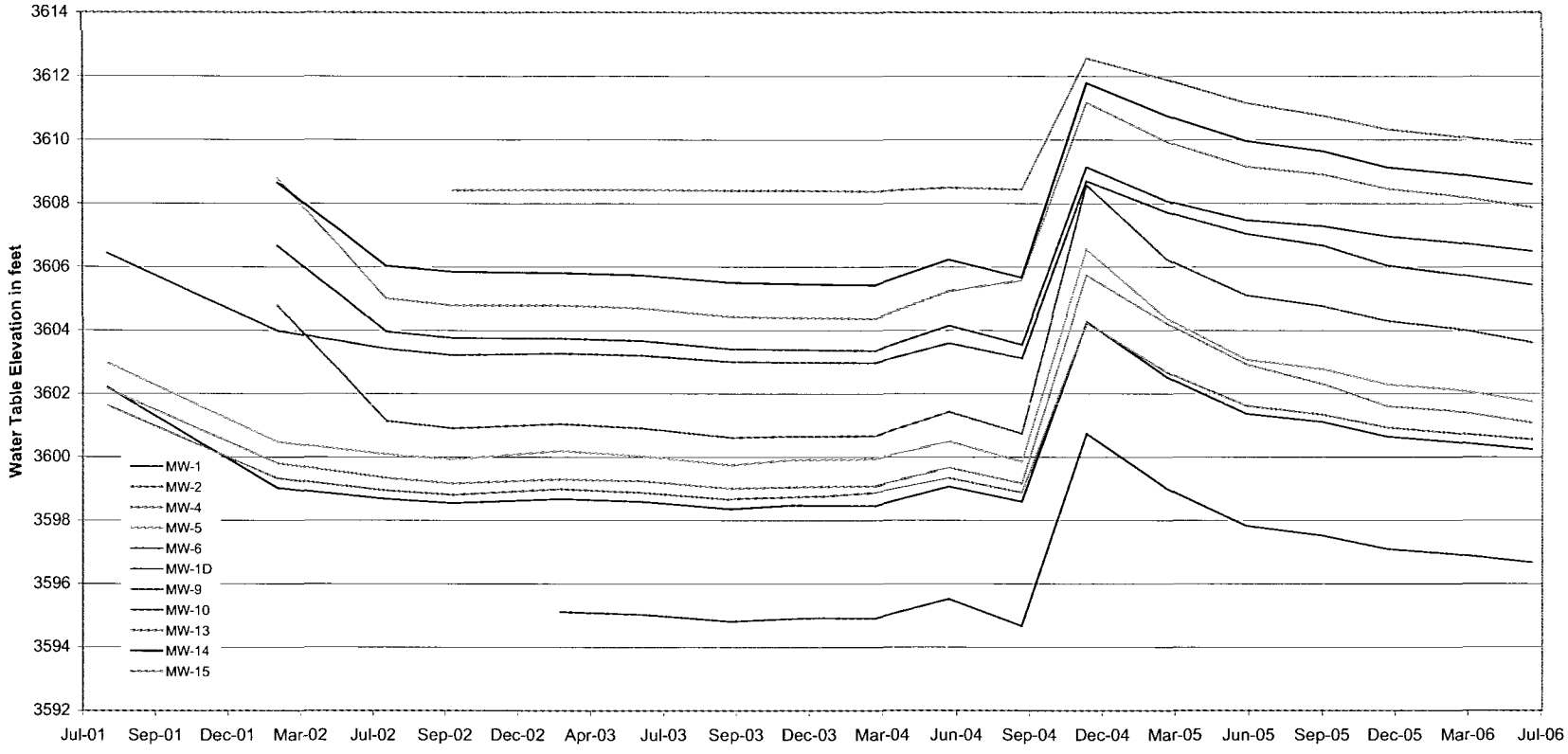


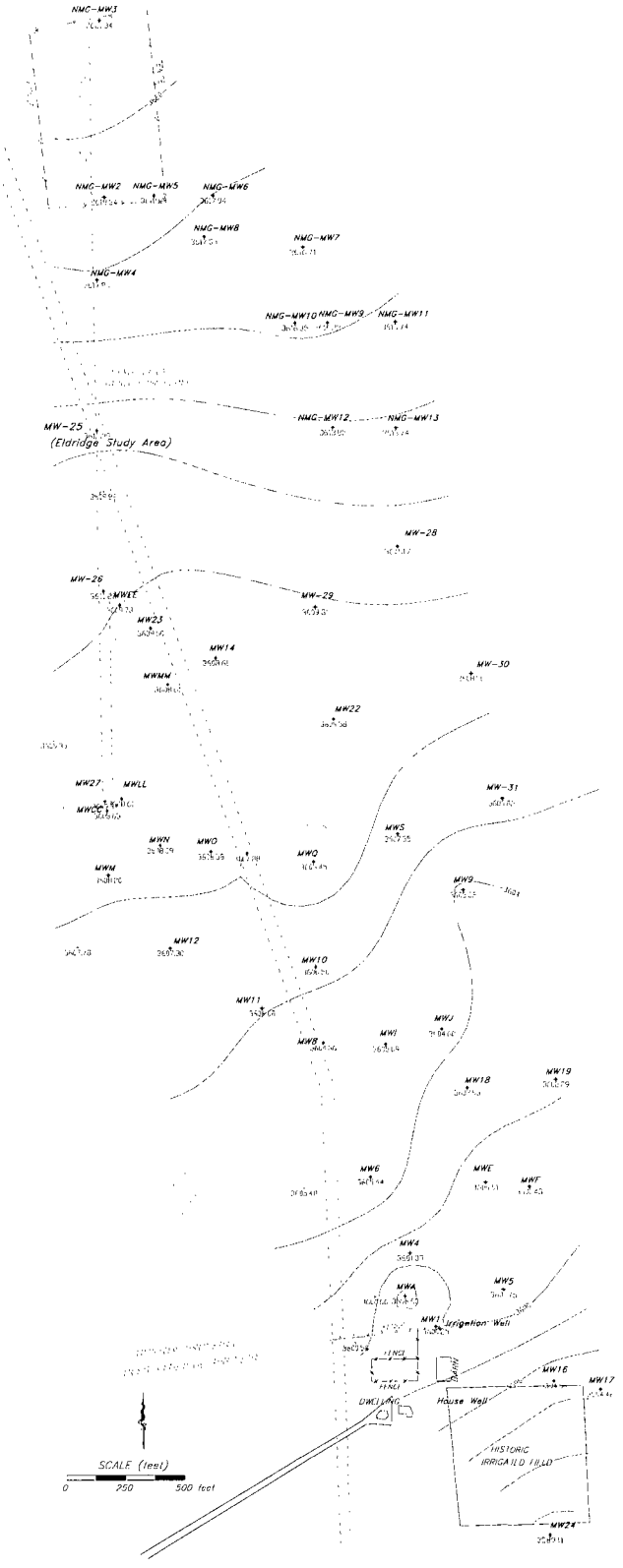
Figure 3- Hydrographs for Wells with Longer Periods of Record

DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS

DATE: 8/06



Contour interval is 2 feet

Figure 4 – June 2006 Water Table Contours

DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS

DATE: 9/06

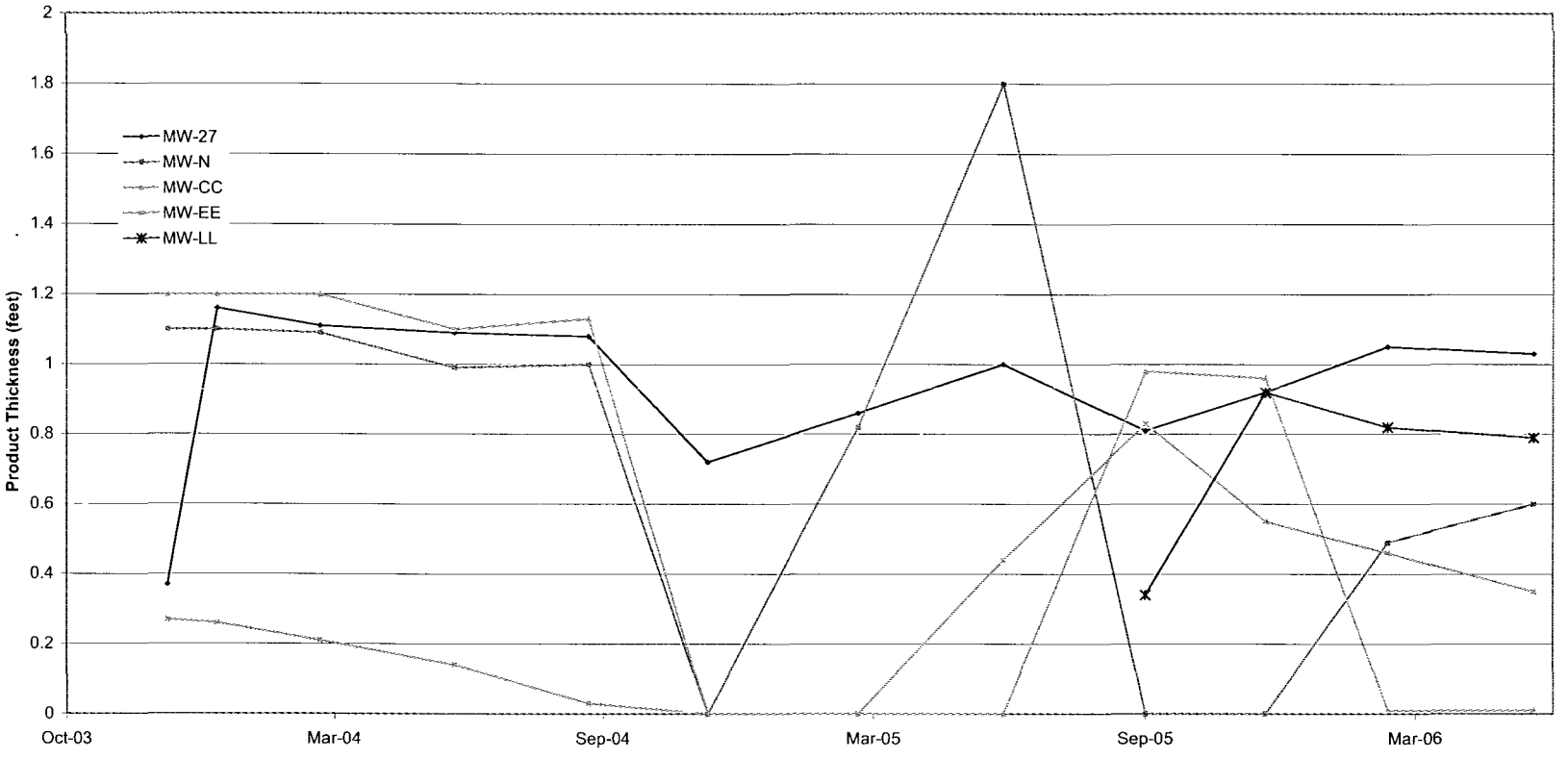


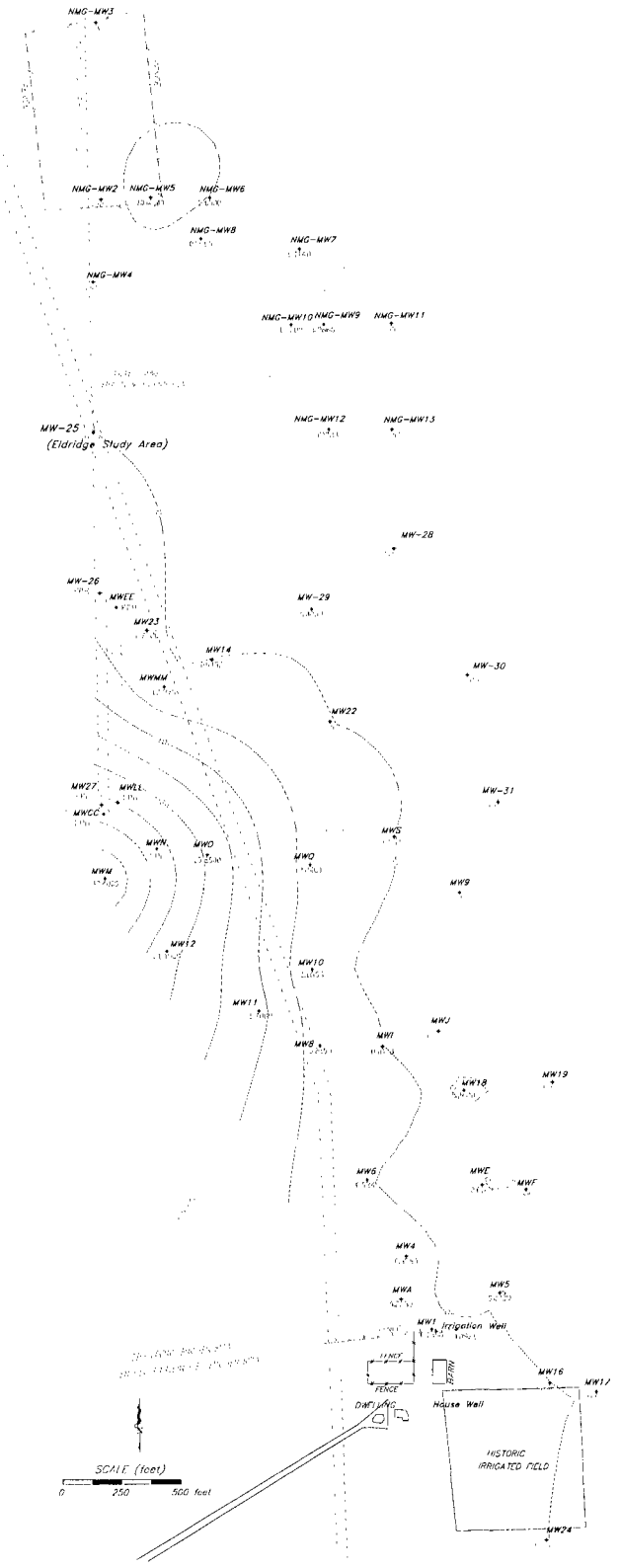
Figure 5 – Free Phase Hydrocarbon Thickness

DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS

DATE: 8/06



NOTES

1) Contour interval is 5 mg/l

2) Wells containing free phase hydrocarbons are denoted as FPH and were not sampled

3) Values highlighted in green were reported as below the method reporting limit. The reported limit is twice the value shown that was used to generate the contour map.

Figure 6 – June 2006 Benzene Isopleths

DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS

DATE: 9/06

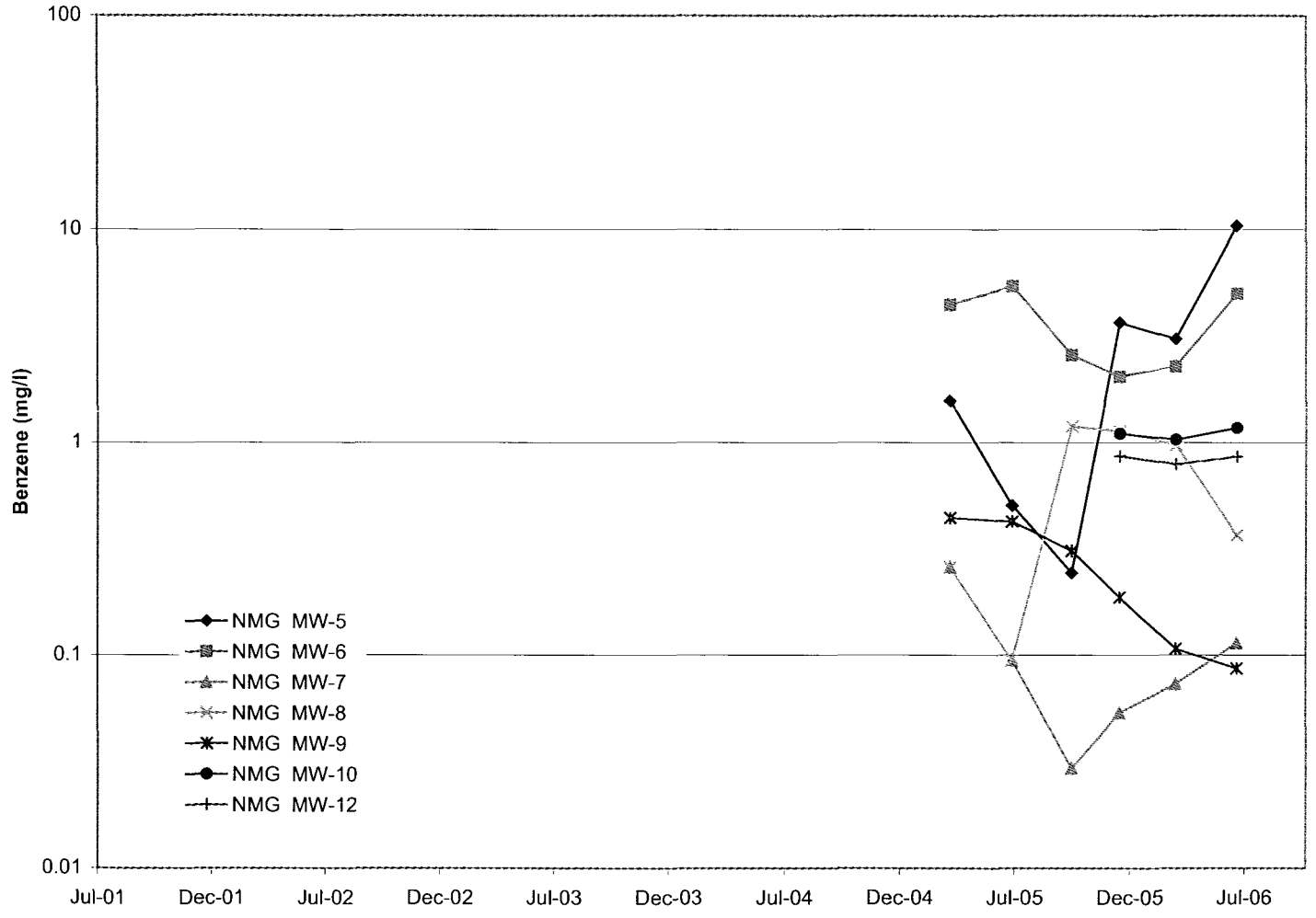


Figure 7 - Concentration-Time Graphs for Wells from the NMG-148c Source

DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS

DATE: 8/06

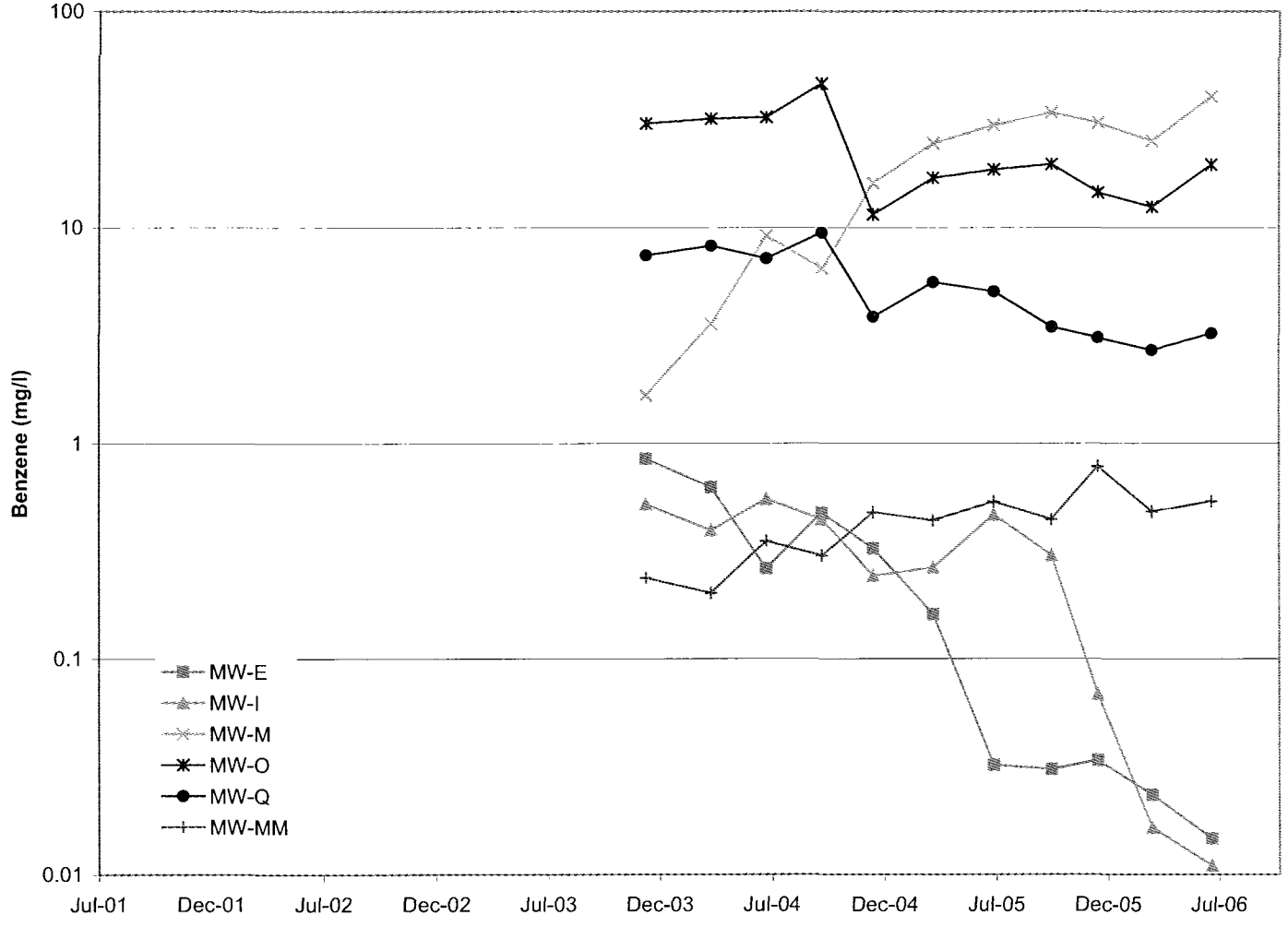


Figure 8 - Concentration-Time Graphs for the Central Area.

DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS

DATE: 8/06

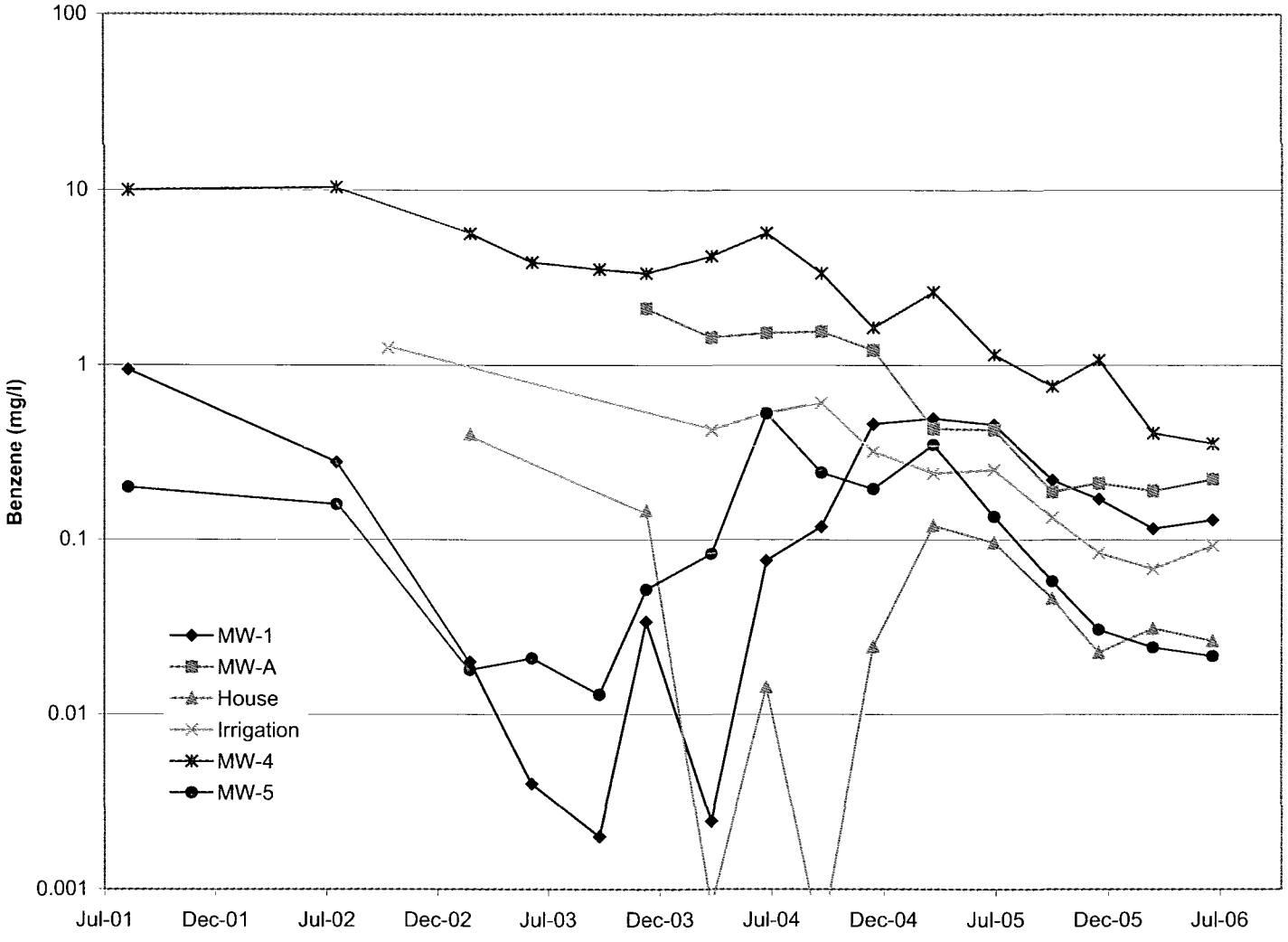


Figure 9 - Concentration-Time Graphs for Wells Within or North of the DEFS Eldridge Property

DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS

DATE: 8/06

ANALYTICAL LABORATORY REPORT

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Steve Weathers

Duke Energy Field Services (Denver)

P.O. Box 5493

Denver, CO 80217

Project: Eldridge

Project Number: None Given

Location: None Given

Lab Order Number: 6F22008

Report Date: 06/28/06

Duke Energy Field Services (Denver)	Project: Eldridge	Fax: (303) 389-1957
P.O. Box 5493	Project Number: None Given	
Denver CO, 80217	Project Manager: Steve Weathers	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NMG MW-3	6F22008-01	Water	06/19/06 14:56	06/22/06 12:05
NMG MW-2	6F22008-02	Water	06/19/06 15:05	06/22/06 12:05
NMG MW-5	6F22008-03	Water	06/19/06 16:26	06/22/06 12:05
NMG MW-4	6F22008-04	Water	06/19/06 15:30	06/22/06 12:05
NMG MW-6	6F22008-05	Water	06/19/06 16:00	06/22/06 12:05
NMG MW-8	6F22008-06	Water	06/19/06 16:05	06/22/06 12:05
Dup A	6F22008-07	Water	06/19/06 00:00	06/22/06 12:05
NMG MW-7	6F22008-08	Water	06/19/06 16:45	06/22/06 12:05
NMG MW-11	6F22008-09	Water	06/19/06 17:10	06/22/06 12:05
NMG MW-10	6F22008-10	Water	06/19/06 17:30	06/22/06 12:05
NMG MW-9	6F22008-11	Water	06/19/06 17:15	06/22/06 12:05
NMG MW-13	6F22008-12	Water	06/20/06 06:20	06/22/06 12:05
NMG MW-12	6F22008-13	Water	06/20/06 06:20	06/22/06 12:05
MW-28	6F22008-14	Water	06/20/06 06:50	06/22/06 12:05
MW-29	6F22008-15	Water	06/20/06 06:55	06/22/06 12:05
MW-30	6F22008-16	Water	06/20/06 07:20	06/22/06 12:05
MW-22	6F22008-17	Water	06/20/06 07:20	06/22/06 12:05
MW-31	6F22008-18	Water	06/20/06 07:35	06/22/06 12:05
MW-9	6F22008-19	Water	06/20/06 07:45	06/22/06 12:05
MW-5	6F22008-20	Water	06/20/06 08:00	06/22/06 12:05
MW-25	6F22008-21	Water	06/20/06 08:20	06/22/06 12:05
MW-23	6F22008-22	Water	06/20/06 08:55	06/22/06 12:05
MW-MM	6F22008-23	Water	06/20/06 09:00	06/22/06 12:05
MW-14	6F22008-24	Water	06/20/06 09:20	06/22/06 12:05
MW-0	6F22008-25	Water	06/20/06 09:25	06/22/06 12:05
MW-Q	6F22008-26	Water	06/20/06 09:50	06/22/06 12:05
MW-M	6F22008-27	Water	06/20/06 09:50	06/22/06 12:05
MW-11	6F22008-28	Water	06/20/06 10:20	06/22/06 12:05
MW-12	6F22008-29	Water	06/20/06 10:15	06/22/06 12:05
Dup B	6F22008-30	Water	06/20/06 00:00	06/22/06 12:05
MW-8	6F22008-31	Water	06/20/06 10:40	06/22/06 12:05
MW-10	6F22008-32	Water	06/20/06 10:40	06/22/06 12:05
MW-I	6F22008-33	Water	06/20/06 10:55	06/22/06 12:05
MW-19	6F22008-34	Water	06/20/06 11:20	06/22/06 12:05

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Duke Energy Field Services (Denver)	Project: Eldridge	Fax: (303) 389-1957
P.O. Box 5493	Project Number: None Given	
Denver CO, 80217	Project Manager: Steve Weathers	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-18	6F22008-35	Water	06/20/06 11:25	06/22/06 12:05
MW-J	6F22008-36	Water	06/20/06 11:05	06/22/06 12:05
MW-6	6F22008-37	Water	06/20/06 11:55	06/22/06 12:05
DUP C	6F22008-38	Water	06/20/06 00:00	06/22/06 12:05
MW-E	6F22008-39	Water	06/20/06 12:20	06/22/06 12:05
MW-F	6F22008-40	Water	06/20/06 12:20	06/22/06 12:05
MW-A	6F22008-41	Water	06/20/06 12:40	06/22/06 12:05
MW-4	6F22008-42	Water	06/20/06 12:40	06/22/06 12:05
MW-5	6F22008-43	Water	06/20/06 13:00	06/22/06 12:05
MW-24	6F22008-44	Water	06/20/06 09:40	06/22/06 12:05
MW-17	6F22008-45	Water	06/20/06 10:15	06/22/06 12:05
MW-16	6F22008-46	Water	06/20/06 10:40	06/22/06 12:05
House Well	6F22008-47	Water	06/20/06 11:50	06/22/06 12:05
MW-1	6F22008-48	Water	06/20/06 12:20	06/22/06 12:05
DMW-01	6F22008-49	Water	06/20/06 13:00	06/22/06 12:05
Irrigation Well	6F22008-50	Water	06/20/06 16:05	06/22/06 12:05

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Duke Energy Field Services (Denver) P.O. Box 5493 Denver CO, 80217	Project: Eldridge Project Number: None Given Project Manager: Steve Weathers	Fax: (303) 389-1957

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
NMG MW-3 (6F22008-01) Water									
Benzene	ND	0.00100	mg/L	1	EF62211	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	
NMG MW-2 (6F22008-02) Water									
Benzene	ND	0.00100	mg/L	1	EF62211	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
NMG MW-5 (6F22008-03) Water									
Benzene	**10.4**	0.0200	mg/L	20	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	ND	0.0200	"	"	"	"	"	"	
Ethylbenzene	**J [0.0146]**	0.0200	"	"	"	"	"	"	
Xylene (p/m)	**0.141**	0.0200	"	"	"	"	"	"	
Xylene (o)	**J [0.00455]**	0.0200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*	*80-120*		"	"	"	"	
NMG MW-4 (6F22008-04) Water									
Benzene	ND	0.00100	mg/L	1	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	

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Duke Energy Field Services (Denver)	Project: Eldridge	Fax: (303) 389-1957
P.O. Box 5493	Project Number: None Given	
Denver CO, 80217	Project Manager: Steve Weathers	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
NMG MW-6 (6F22008-05) Water									
Benzene	**5.00**	0.0100	mg/L	10	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	**0.0112**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.131**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.141**	0.0100	"	"	"	"	"	"	
Xylene (o)	**J [0.00366]**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*80-120*		"	"	"	"	
NMG MW-8 (6F22008-06) Water									
Benzene	**0.366**	0.00500	mg/L	5	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	**J [0.00335]**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**J [0.00348]**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.0138**	0.00500	"	"	"	"	"	"	
Xylene (o)	ND	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.0 %*	*80-120*		"	"	"	"	
Dup A (6F22008-07) Water									
Benzene	**10.9**	0.0500	mg/L	50	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	ND	0.0500	"	"	"	"	"	"	
Ethylbenzene	ND	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**0.147**	0.0500	"	"	"	"	"	"	
Xylene (o)	ND	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*80-120*		"	"	"	"	
NMG MW-7 (6F22008-08) Water									
Benzene	**0.114**	0.00100	mg/L	1	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	**0.0229**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.0645**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.0993**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.00538**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1120 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	

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Duke Energy Field Services (Denver) P.O. Box 5493 Denver CO, 80217	Project: Eldridge Project Number: None Given Project Manager: Steve Weathers	Fax: (303) 389-1957

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
NMG MW-11 (6F22008-09) Water									
Benzene	ND	0.00100	mg/L	1	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.8 %*	*80-120*		"	"	"	"	
NMG MW-10 (6F22008-10) Water									
Benzene	**1.17**	0.0100	mg/L	10	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	**0.0181**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.327**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.796**	0.0100	"	"	"	"	"	"	
Xylene (o)	**0.110**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*139 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*91.5 %*	*80-120*		"	"	"	"	
NMG MW-9 (6F22008-11) Water									
Benzene	**0.0866**	0.00500	mg/L	5	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	**J [0.00177]**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.0197**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**ND**	0.00500	"	"	"	"	"	"	
Xylene (o)	ND	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.8 %*	*80-120*		"	"	"	"	
NMG MW-13 (6F22008-12) Water									
Benzene	ND	0.00100	mg/L	1	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.0 %*	*80-120*		"	"	"	"	

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Duke Energy Field Services (Denver)	Project: Eldridge	Fax: (303) 389-1957
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Denver CO, 80217	Project Manager: Steve Weathers	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
NMG MW-12 (6F22008-13) Water									
Benzene	**0.856**	0.00500	mg/L	5	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	**0.00841**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.178**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.00629**	0.00500	"	"	"	"	"	"	
Xylene (o)	ND	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*124 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
MW-28 (6F22008-14) Water									
Benzene	ND	0.00100	mg/L	1	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*	*80-120*		"	"	"	"	
MW-29 (6F22008-15) Water									
Benzene	**0.0259**	0.00100	mg/L	1	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	**I [0.000403]**	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.2 %*	*80-120*		"	"	"	"	
MW-30 (6F22008-16) Water									
Benzene	ND	0.00100	mg/L	1	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.5 %*	*80-120*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-22 (6F22008-17) Water									
Benzene	ND	0.00100	mg/L	1	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
MW-31 (6F22008-18) Water									
Benzene	ND	0.00100	mg/L	1	EF62211	06/22/06	06/23/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
MW-9 (6F22008-19) Water									
Benzene	ND	0.00100	mg/L	1	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.2 %*	*80-120*		"	"	"	"	
MW-5 (6F22008-20) Water									
Benzene	ND	0.00100	mg/L	1	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*113 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.5 %*	*80-120*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-25 (6F22008-21) Water									
Benzene	ND	0.00100	mg/L	1	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*80-120*		"	"	"	"	
MW-23 (6F22008-22) Water									
Benzene	**0.722**	0.0100	mg/L	10	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**0.0624**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.206**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.342**	0.0100	"	"	"	"	"	"	
Xylene (o)	**J [0.00772]**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*187 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*87.2 %*	*80-120*		"	"	"	"	
MW-MM (6F22008-23) Water									
Benzene	**0.537**	0.00500	mg/L	5	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**0.00855**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.0971**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.0804**	0.00500	"	"	"	"	"	"	
Xylene (o)	ND	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*160 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*89.2 %*	*80-120*		"	"	"	"	
MW-14 (6F22008-24) Water									
Benzene	**0.0432**	0.00100	mg/L	1	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**0.00336**	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**J [0.000611]**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*134 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*80-120*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-0 (6F22008-25) Water									
Benzene	**19.6**	0.100	mg/L	100	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	**0.283**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**0.134**	0.100	"	"	"	"	"	"	
Xylene (o)	ND	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.8 %*	*80-120*		"	"	"	"	
MW-Q (6F22008-26) Water									
Benzene	**3.24**	0.0500	mg/L	50	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	ND	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.137**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**0.139**	0.0500	"	"	"	"	"	"	
Xylene (o)	ND	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.2 %*	*80-120*		"	"	"	"	
MW-M (6F22008-27) Water									
Benzene	**40.4**	0.100	mg/L	100	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**0.492**	0.100	"	"	"	"	"	"	
Ethylbenzene	**0.367**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**0.310**	0.100	"	"	"	"	"	"	
Xylene (o)	**J [0.0885]**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*80-120*		"	"	"	"	
MW-11 (6F22008-28) Water									
Benzene	**11.7**	0.0500	mg/L	50	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**1.22**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.384**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**0.446**	0.0500	"	"	"	"	"	"	
Xylene (o)	**0.176**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.8 %*	*80-120*		"	"	"	"	

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Duke Energy Field Services (Denver)	Project: Eldridge	Fax: (303) 389-1957
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Denver CO, 80217	Project Manager: Steve Weathers	

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Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-12 (6F22008-29) Water									
Benzene	**22.3**	0.100	mg/L	100	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**0.151**	0.100	"	"	"	"	"	"	
Ethylbenzene	**0.156**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0517]**	0.100	"	"	"	"	"	"	
Xylene (o)	ND	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*80-120*		"	"	"	"	
Dup B (6F22008-30) Water									
Benzene	**20.6**	0.100	mg/L	100	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**0.120**	0.100	"	"	"	"	"	"	
Ethylbenzene	**0.144**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**ND**	0.100	"	"	"	"	"	"	
Xylene (o)	ND	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.8 %*	*80-120*		"	"	"	"	
MW-8 (6F22008-31) Water									
Benzene	**3.21**	0.0200	mg/L	20	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**0.178**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**0.192**	0.0200	"	"	"	"	"	"	
Xylene (p/m)	**0.565**	0.0200	"	"	"	"	"	"	
Xylene (o)	**0.131**	0.0200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*148 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*81.0 %*	*80-120*		"	"	"	"	
MW-10 (6F22008-32) Water									
Benzene	**1.16**	0.0100	mg/L	10	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**J [0.00695]**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.0341**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.0430**	0.0100	"	"	"	"	"	"	
Xylene (o)	**J [0.00462]**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*120 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.2 %*	*80-120*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-I (6F22008-33) Water									
Benzene	**0.0110**	0.00100	mg/L	1	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**0.00587**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00141**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00249**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*139 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*80-120*		"	"	"	"	
MW-19 (6F22008-34) Water									
Benzene	ND	0.00100	mg/L	1	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*80-120*		"	"	"	"	
MW-18 (6F22008-35) Water									
Benzene	**0.0428**	0.00100	mg/L	1	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**0.0121**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.0201**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.0480**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.0108**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1420 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*80-120*		"	"	"	"	
MW-J (6F22008-36) Water									
Benzene	ND	0.00100	mg/L	1	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.2 %*	*80-120*		"	"	"	"	

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Duke Energy Field Services (Denver)	Project: Eldridge	Fax: (303) 389-1957
P.O. Box 5493	Project Number: None Given	
Denver CO, 80217	Project Manager: Steve Weathers	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (6F22008-37) Water									
Benzene	**0.0341**	0.00100	mg/L	1	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**0.00907**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.0545**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.103**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1440 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*88.0 %*	*80-120*		"	"	"	"	
DUP C (6F22008-38) Water									
Benzene	**0.0263**	0.00100	mg/L	1	EF62608	06/26/06	06/26/06	EPA 8021B	
Toluene	**0.00628**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.0443**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.0848**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1080 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*87.2 %*	*80-120*		"	"	"	"	
MW-E (6F22008-39) Water									
Benzene	**0.0147**	0.00100	mg/L	1	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	**0.00166**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**J [0.000656]**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00125**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.8 %*	*80-120*		"	"	"	"	
MW-F (6F22008-40) Water									
Benzene	ND	0.00100	mg/L	1	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*80-120*		"	"	"	"	

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Duke Energy Field Services (Denver) P.O. Box 5493 Denver CO, 80217	Project: Eldridge Project Number: None Given Project Manager: Steve Weathers	Fax: (303) 389-1957

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A (6F22008-41) Water									
Benzene	**0.223**	0.00100	mg/L	1	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	**0.387**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.132**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.304**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.0718**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*2400 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	
MW-4 (6F22008-42) Water									
Benzene	**0.356**	0.00500	mg/L	5	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	**1.53**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.271**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.838**	0.00500	"	"	"	"	"	"	
Xylene (o)	**0.237**	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*220 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
MW-5 (6F22008-43) Water									
Benzene	**0.0216**	0.00100	mg/L	1	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	**0.00787**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00589**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.0180**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.00539**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*188 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*80-120*		"	"	"	"	
MW-24 (6F22008-44) Water									
Benzene	ND	0.00100	mg/L	1	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.5 %*	*80-120*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-17 (6F22008-45) Water									
Benzene	ND	0.00100	mg/L	1	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		"	"	"	"	
MW-16 (6F22008-46) Water									
Benzene	ND	0.00100	mg/L	1	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*80-120*		"	"	"	"	
House Well (6F22008-47) Water									
Benzene	**0.0264**	0.00100	mg/L	1	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	**0.00139**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00108**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**J [0.000605]**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*80-120*		"	"	"	"	
MW-1 (6F22008-48) Water									
Benzene	**0.130**	0.00100	mg/L	1	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	**0.0100**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.0839**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.190**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.00149**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1620 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DMW-01 (6F22008-49) Water									
Benzene	ND	0.00100	mg/L	1	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
Irrigation Well (6F22008-50) Water									
Benzene	**0.0926**	0.00100	mg/L	1	EF62628	06/26/06	06/27/06	EPA 8021B	
Toluene	**0.0383**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.0701**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.186**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.0233**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1700 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	

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Duke Energy Field Services (Denver)
P.O. Box 5493
Denver CO, 80217

Project: Eldridge
Project Number: None Given
Project Manager: Steve Weathers

Fax: (303) 389-1957

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62211 - EPA 5030C (GC)										
Blank (EF62211-BLK1)				Prepared & Analyzed: 06/22/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*37.2*		*ug/l*	*40.0*		*93.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.1*		*"*	*40.0*		*85.2*	*80-120*			
LCS (EF62211-BS1)				Prepared & Analyzed: 06/22/06						
Benzene	0.0484	0.00100	mg/L	0.0500		96.8	80-120			
Toluene	0.0535	0.00100	"	0.0500		107	80-120			
Ethylbenzene	0.0486	0.00100	"	0.0500		97.2	80-120			
Xylene (p/m)	0.105	0.00100	"	0.100		105	80-120			
Xylene (o)	0.0518	0.00100	"	0.0500		104	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.7*		*ug/l*	*40.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.2*		*"*	*40.0*		*90.5*	*80-120*			
Calibration Check (EF62211-CCV1)				Prepared: 06/22/06 Analyzed: 06/23/06						
Benzene	52.9		ug/l	50.0		106	80-120			
Toluene	57.1		"	50.0		114	80-120			
Ethylbenzene	54.6		"	50.0		109	80-120			
Xylene (p/m)	115		"	100		115	80-120			
Xylene (o)	56.3		"	50.0		113	80-120			
Surrogate: a,a,a-Trifluorotoluene	*43.2*		*"*	*40.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.7*		*"*	*40.0*		*96.8*	*80-120*			
Matrix Spike (EF62211-MS1)	**Source: 6F22005-01**			Prepared: 06/22/06 Analyzed: 06/23/06						
Benzene	0.0558	0.00100	mg/L	0.0500	ND	112	80-120			
Toluene	0.0590	0.00100	"	0.0500	ND	118	80-120			
Ethylbenzene	0.0554	0.00100	"	0.0500	ND	111	80-120			
Xylene (p/m)	0.119	0.00100	"	0.100	ND	119	80-120			
Xylene (o)	0.0584	0.00100	"	0.0500	ND	117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*45.4*		*ug/l*	*40.0*		*114*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.1*		*"*	*40.0*		*100*	*80-120*			

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62211 - EPA 5030C (GC)										
Matrix Spike Dup (EF62211-MSD1)	**Source: 6F22005-01**			Prepared: 06/22/06 Analyzed: 06/23/06						
Benzene	0.0512	0.00100	mg/L	0.0500	ND	102	80-120	9.35	20	
Toluene	0.0498	0.00100	"	0.0500	ND	99.6	80-120	16.9	20	
Ethylbenzene	0.0482	0.00100	"	0.0500	ND	96.4	80-120	14.1	20	
Xylene (p/m)	0.103	0.00100	"	0.100	ND	103	80-120	14.4	20	
Xylene (o)	0.0518	0.00100	"	0.0500	ND	104	80-120	11.8	20	
Surrogate: a,a,a-Trifluorotoluene	*32.2*		*ug/l*	*40.0*		*80.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.2*		*"*	*40.0*		*88.0*	*80-120*			
Batch EF62608 - EPA 5030C (GC)										
Blank (EF62608-BLK1)				Prepared & Analyzed: 06/26/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*43.7*		*ug/l*	*40.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.8*		*"*	*40.0*		*82.0*	*80-120*			
LCS (EF62608-BS1)				Prepared & Analyzed: 06/26/06						
Benzene	0.0511	0.00100	mg/L	0.0500		102	80-120			
Toluene	0.0557	0.00100	"	0.0500		111	80-120			
Ethylbenzene	0.0519	0.00100	"	0.0500		104	80-120			
Xylene (p/m)	0.114	0.00100	"	0.100		114	80-120			
Xylene (o)	0.0569	0.00100	"	0.0500		114	80-120			
Surrogate: a,a,a-Trifluorotoluene	*44.1*		*ug/l*	*40.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.4*		*"*	*40.0*		*104*	*80-120*			

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Organics by GC - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62608 - EPA 5030C (GC)										
Calibration Check (EF62608-CCV1)				Prepared: 06/26/06 Analyzed: 06/27/06						
Benzene	50.0		ug/l	50.0		100	80-120			
Toluene	54.1		"	50.0		108	80-120			
Ethylbenzene	50.5		"	50.0		101	80-120			
Xylene (p/m)	105		"	100		105	80-120			
Xylene (o)	53.4		"	50.0		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	*37.4*		"	*40.0*		*93.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.4*		"	*40.0*		*86.0*	*80-120*			
Matrix Spike (EF62608-MS1)		**Source: 6F22008-19**		Prepared: 06/26/06 Analyzed: 06/27/06						
Benzene	0.0565	0.00100	mg/L	0.0500	ND	113	80-120			
Toluene	0.0575	0.00100	"	0.0500	ND	115	80-120			
Ethylbenzene	0.0504	0.00100	"	0.0500	ND	101	80-120			
Xylene (p/m)	0.113	0.00100	"	0.100	ND	113	80-120			
Xylene (o)	0.0548	0.00100	"	0.0500	ND	110	80-120			
Surrogate: a,a,a-Trifluorotoluene	*35.8*		*ug/l*	*40.0*		*89.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.4*		"	*40.0*		*83.5*	*80-120*			
Matrix Spike Dup (EF62608-MSD1)		**Source: 6F22008-19**		Prepared: 06/26/06 Analyzed: 06/27/06						
Benzene	0.0555	0.00100	mg/L	0.0500	ND	111	80-120	1.79	20	
Toluene	0.0582	0.00100	"	0.0500	ND	116	80-120	0.866	20	
Ethylbenzene	0.0553	0.00100	"	0.0500	ND	111	80-120	9.43	20	
Xylene (p/m)	0.119	0.00100	"	0.100	ND	119	80-120	5.17	20	
Xylene (o)	0.0578	0.00100	"	0.0500	ND	116	80-120	5.31	20	
Surrogate: a,a,a-Trifluorotoluene	*46.0*		*ug/l*	*40.0*		*115*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.1*		"	*40.0*		*92.8*	*80-120*			
Batch EF62628 - EPA 5030C (GC)										
Blank (EF62628-BLK1)				Prepared: 06/26/06 Analyzed: 06/27/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*41.4*		*ug/l*	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.3*		"	*40.0*		*95.8*	*80-120*			

Duke Energy Field Services (Denver)	Project: Eldridge	Fax: (303) 389-1957
P.O. Box 5493	Project Number: None Given	
Denver CO, 80217	Project Manager: Steve Weathers	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62628 - EPA 5030C (GC)										
LCS (EF62628-BS1)				Prepared: 06/26/06 Analyzed: 06/27/06						
Benzene	0.0552	0.00100	mg/L	0.0500		110	80-120			
Toluene	0.0588	0.00100	"	0.0500		118	80-120			
Ethylbenzene	0.0559	0.00100	"	0.0500		112	80-120			
Xylene (p/m)	0.118	0.00100	"	0.100		118	80-120			
Xylene (o)	0.0579	0.00100	"	0.0500		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*37.5*		*ug/l*	*40.0*		*93.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.6*		*"*	*40.0*		*86.5*	*80-120*			
Calibration Check (EF62628-CCV1)				Prepared: 06/26/06 Analyzed: 06/27/06						
Benzene	52.9		ug/l	50.0		106	80-120			
Toluene	56.7		"	50.0		113	80-120			
Ethylbenzene	54.3		"	50.0		109	80-120			
Xylene (p/m)	114		"	100		114	80-120			
Xylene (o)	56.8		"	50.0		114	80-120			
Surrogate: a,a,a-Trifluorotoluene	*43.8*		*"*	*40.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.8*		*"*	*40.0*		*104*	*80-120*			
Matrix Spike (EF62628-MS1)	**Source: 6F22008-44**			Prepared: 06/26/06 Analyzed: 06/27/06						
Benzene	0.0492	0.00100	mg/L	0.0500	ND	98.4	80-120			
Toluene	0.0500	0.00100	"	0.0500	ND	100	80-120			
Ethylbenzene	0.0536	0.00100	"	0.0500	ND	107	80-120			
Xylene (p/m)	0.102	0.00100	"	0.100	ND	102	80-120			
Xylene (o)	0.0514	0.00100	"	0.0500	ND	103	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.9*		*ug/l*	*40.0*		*92.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.2*		*"*	*40.0*		*88.0*	*80-120*			
Matrix Spike Dup (EF62628-MSD1)	**Source: 6F22008-44**			Prepared: 06/26/06 Analyzed: 06/27/06						
Benzene	0.0531	0.00100	mg/L	0.0500	ND	106	80-120	7.44	20	
Toluene	0.0581	0.00100	"	0.0500	ND	116	80-120	14.8	20	
Ethylbenzene	0.0555	0.00100	"	0.0500	ND	111	80-120	3.67	20	
Xylene (p/m)	0.119	0.00100	"	0.100	ND	119	80-120	15.4	20	
Xylene (o)	0.0592	0.00100	"	0.0500	ND	118	80-120	13.6	20	
Surrogate: a,a,a-Trifluorotoluene	*38.4*		*ug/l*	*40.0*		*96.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.8*		*"*	*40.0*		*104*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Duke Energy Field Services (Denver)	Project: Eldridge	Fax: (303) 389-1957
P.O. Box 5493	Project Number: None Given	
Denver CO, 80217	Project Manager: Steve Weathers	

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 6/28/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

6/6

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Steve Weathers
Company Name: DEFS
Company Address:
City/State/Zip:
Telephone No: 303-605-1718 Fax No: 303-605-1959
Sampler Signature:
Email: stewartmike@yahoo.com

Project Name: ECOLODGE
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP / TOTAL: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or 5TEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Scheduled)	Standard TAT
01	NMG MW-3	6/19/06	14:56	2	✓		✓					✓											✓				
02	NMG MW-2	6/19/06	15:05	2	✓		✓					✓											✓				
03	NMG MW-5	6/19/06	1626	2	✓		✓					✓											✓				
04	NMG MW-4	6/19/06	1530	2	✓		✓					✓											✓				
05	NMG MW-6	6/19/06	1600	2	✓		✓					✓											✓				
06	NMG MW-8	6/19/06	16:05	2	✓		✓					✓											✓				
	~~NMG MW-5~~		~~16:26~~																								
07	Dup A		00:00	2	✓		✓					✓											✓				
08	NMG-MW-7	6/19/06	1645	2	✓		✓					✓											✓				
09	NMG-MW-11	6/19/06	1710	2	✓		✓					✓											✓				✓

Special Instructions:

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Cooler → Y N
Temperature Upon Receipt: 3.0
Laboratory Comments: VOA

Relinquished by:	Date	Time	Received by:	Date	Time
	6/22/06	1205			
Relinquished by	Date	Time	Received by ELOT:	Date	Time
				6/22/06	12:05

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Steve Weathers

Company Name: IOEFS

Company Address:

City/State/Zip:

Telephone No: 303-605-1718

Fax No: 303-605-1959

Sampler Signature: [signature]

Email: stewatmike@yahoo.com

Project Name: FEDRIDGE

Project #:

Project Loc:

PO #:

6FF008

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled (Thomas per attached email)	No. of Containers	Preservative: Ice	HNO$_3$	HCl	NaOH	H$_2$SO$_4$	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule)	Standard TAT
70	NMG MW-10	6-19-06	1730	2	✓		✓					✓											✓				
71	NMG MW-9	6-19-06	1745	2	✓		✓					✓											✓				
72	NMG MW-13	6-20-06	0626	2	✓		✓					✓											✓				
73	NMG MW-12	6-20-06	0620	2	✓		✓					✓											✓				
74	MW-28	6-20-06	0650	2	✓		✓					✓											✓				
75	MW-29	6-20-06	0655	2	✓		✓					✓											✓				
76	MW-30	6-20-06	0720	2	✓		✓					✓											✓				
77	MW-22	6-20-06	0720	2	✓		✓					✓											✓				
78	MW-31	6-20-06	0735	2	✓		✓					✓											✓				
79	MW-9	6-20-06	0745	2	✓		✓					✓											✓				

(TCLP: / TOTAL: — Analyze For:)

Special Instructions:

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Cooler
Temperature Upon Receipt:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	6/22/06	1205			
Relinquished by:	Date	Time	Received by ELOT: [signature]	6/22/06	12:05

Laboratory Comments:

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Steve Weathers
Company Name: DEES
Company Address:
City/State/Zip:
Telephone No: (303) 605 1718
Fax No: (303) 605-1959
Sampler Signature: Mikell H Akers
Email: stewartmike@yahoo.com

Project Name: ELDRIDGE
Project #:
Project Loc:
PO #:

Analyze For:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule)	Standard TAT
of 2008																TCLP: / TOTAL:											
10	MW-5	6/20/06	0800	2	✓		✓					✓											✓				
11	MW-25	6/20/06	0920	2	✓		✓					✓											✓				
12	MW-23	6/20/06	0855	2	✓		✓					✓											✓				
13	MW-MW	6/20/06	0900	2	✓		✓					✓											✓				
14	MW-14	6/20/06	0920	2	✓		✓					✓											✓				
15	MW-O	6/20/06	0925	2	✓		✓					✓											✓				
16	MW-Q	6/20/06	0950	2	✓		✓					✓											✓				
17	MW M	6/20/06	0950	2	✓		✓					✓											✓				
18	MW 11	6/20/06	1020	2	✓		✓					✓											✓				
19	MW-12	2/20/06	1015	2	✓		✓					✓											✓				

Special Instructions:

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Cooler
Temperature Upon Receipt:

Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	6/22/06	1205			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Carrie Keeley	6/22/06	12:05

Environmental Lab of Texas

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Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Steve Weathers
Company Name: DEFS
Company Address:
City/State/Zip:
Telephone No: (303) 605-1718
Fax No: (303) 605-1959
Sampler Signature:
Email: stewatmike@yahoo.com

Project Name: ELDRIDGE
Project #:
Project Loc:
PO #:

1 of 1 2008

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: TPH: 418.1 8015M 1005 1006	Analyze For: TCLP: Cations (Ca, Mg, Na, K)	Analyze For: TOTAL: Anions (Cl, SO4, CO3, HCO3)	Analyze For: TOTAL: SAR / ESP / CEC	Analyze For: TOTAL: Metals: As Ag Ba Cd Cr Pb Hg Se	Analyze For: TOTAL: Volatiles	Analyze For: TOTAL: Semivolatiles	Analyze For: TOTAL: BTEX 8021B 5030 or BTEX 8260	Analyze For: TOTAL: RCI	Analyze For: TOTAL: N.O.R.M.	RUSH TAT (Pre-Schedule)	Standard TAT
30	Dup B		0000	2	✓		✓					✓											✓				
31	MW-8		1040	2	✓		✓					✓											✓				
32	MW-10		1040	2	✓		✓					✓											✓				
33	MW-1		1055	2	✓		✓					✓											✓				
34	MW-19		1120	2	✓		✓					✓											✓				
35	MW-18		1125	2	✓		✓					✓											✓				
36	MW-J		1105	2	✓		✓					✓											✓				
37	MW-6		1155	2	✓		✓					✓											✓				
38	Dup C		0000	2	✓		✓					✓											✓				
39																											

Special Instructions:

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Cooler
Temperature Upon Receipt:

Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	6/22/08	1205			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Carrie Reed	6/27/08	12:05

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Steve Weathers
Company Name: OEES
Company Address:
City/State/Zip:
Telephone No: (303) 605-1718
Fax No: (303) 605-1959
Sampler Signature: [signature]
Email: stewatmllc@yahoo.com

Project Name: ECD ridge
Project #:
Project Loc:
PO #:

LEF22008

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.					RUSH TAT (Pre-Schedule)	Standard TAT
~~40~~ 39	MW E	6/20/06	1220	2	✓		✓					✓											✓								
~~41~~ 40	MW F	6/20/06	1220	2	✓		✓					✓											✓								
~~42~~ 41	MW-A	6/20/06	1240	2	✓		✓					✓											✓								
~~43~~ 42	MW-4	6/20/06	1240	2	✓		✓					✓											✓								
~~44~~ 43	MW-5	6/20/06	1300	2	✓		✓					✓											✓								
~~45~~ 44	MW-24	6/20/06	0940	2	✓		✓					✓											✓								
~~46~~ 45	MW-17	6/20/06	1015	2	✓		✓					✓											✓								
~~47~~ 46	MW-16	6/20/06	1040	2	✓		✓					✓											✓								
~~48~~ 47	House Well	6/20/06	1150	2	✓		✓					✓											✓								
~~49~~ 48	MW-1	6/20/06	1220	2	✓		✓					✓											✓								

Special Instructions:

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Cooler
Temperature Upon Receipt:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	6/22/06	1205			
Relinquished by: [signature]			Received by ELOT: [signature]	6/22/06	12:05

Laboratory Comments:

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

9/0

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Steve Weathers
Company Name: DEFS
Company Address:
City/State/Zip:
Telephone No: 303-605-1718
Fax No: 303-605-1959
Sampler Signature: [signature]
Email: stewartmike@yahoo.com

Project Name: ELO N1 DGT
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	BTEX ms/msd				RUSH TAT (Pre-Schedule)	Standard TAT
49	DMW-01	6/20/06	1300	2	✓		✓					X											X								
50	IRRIGATION WELL	6/20/06	1605	2	✓		✓					X											X								
51	MW-24 ms/msd -44	6/20/06	0940	2	✓		✓					X														X					

TCLP:
TOTAL:

Special Instructions:

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Cooler
Temperature Upon Receipt:

Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	6/22/06	1205			

Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			[signature]	6/22/06	12:05

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Duke

Date/Time: 6/22/08 12:05

Order #: 6F22008

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	3.0 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	*
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

* sample time discrepancy – see attached e-mail

Variance Documentation:

Contact Person: - Mike Stewart Date/Time: 06-23-08 @ 0740 Contacted by: Jeanne McMurry

Regarding:

Sample time discrepancy

Corrective Action Taken:

Client wants to reference label (see attached e-mail)

Jeanne McMurrey

From: "Michael Stewart" <stewartmike@yahoo.com>
To: "Jeanne McMurrey" <jeanne@elabtexas.com>
Sent: Friday, June 23, 2006 7:40 AM
Subject: Re: Eldridge samples

NMG MW-9 at 1715, NMG MW-10 and 1730 by log book

Thanks for the catch

Michael Stewart
303-638-0001 (mobile)
303-948-7733 office
720-528-8132 (fax)

----- Original Message ----
From: Jeanne McMurrey <jeanne@elabtexas.com>
To: Michael Stewart <stewartmike@yahoo.com>
Sent: Thursday, June 22, 2006 3:05:32 PM
Subject: Re: Eldridge samples

Hello Mike,

We received your samples for Eldridge today. There is a discrepancy in a couple of the sampling times.

Sample	*COC*	*Label*
NMG MW-10	1715	1730
NMG MW-9	1730	1715

Which sampling times would you like to reference?
Please let me know by replying to this e-mail.

Thanks,
Jeanne

Jeanne McMurrey
Environmental Lab of Texas I, Ltd.
12600 West I-20 East
Odessa, Texas 79765
432-563-1800

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