AP - 33

ANNUAL MONITORING REPORT

YEAR(S):

8/24/2004

Duke Energy®
Field Services

DUKE ENERGY FIELD SERVICES
370 17th Street
Suite 2500
Denver, CO 80202

303 595 3331

August 24, 2004

Mr. Bill Olson
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: Summary of March 2004 and June 2004 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. Olson:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review one copy of the Summary of March 2004 and June 2004 Groundwater Monitoring Report for the DEFS Eldridge Ranch Study Area, Lea County, New Mexico (Unit P, Section 21, Township 19 South, Range 37 East). An additional copy of the enclosed report will be forwarded to the New Mexico Oil Conservation Division (OCD) Hobbs District Office.

If you have any questions regarding this report, please call me at 303-605-1718.

Sincerely

Duke Energy Field Services, LP

Stephen Weathers P.G.
Sr. Environmental Specialist

enclosure

cc: Larry Johnson, OCD Hobbs District Office
Lynn Ward, DEFS Midland Office
Environmental Files, DEFS Denver

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August 24, 2004

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

Subject: Summary of March 2004 and June 2004 Groundwater Monitoring Results
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 March 2004 and June 2004 quarterly groundwater-sampling episodes at the Duke Energy Field Services (DEFS) Eldridge Ranch Study Area. The study area is located approximately 1 mile north of and 0.75 miles east of the town of Monument in Lea County New Mexico. The OCD location descriptor is Unit P, Section 21, Township 19 South, Range 37 East. The coordinate for the area is 32 degrees 38.5 minutes north, 103 degrees 15.4 minutes east.

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. Quarterly groundwater monitoring is the first activity. DEFS also continues to remove the free phase hydrocarbons (FPH) from all applicable wells as the second activity. A FAP™ product removal pump manufactured by DurhamGeo is used to extract the product in well MW-27. The remaining wells contain product-only bailers. Environmental Plus Incorporated empties these bailers twice a week.

SUMMARY OF FIELD MONITORING ACTIVITIES AND RESULTS

The groundwater monitoring activities were completed the weeks of March 22, 2004 and June 21, 2004. All activities during both events followed the protocols in the Sampling and Analysis Plan (SAP) that was prepared specifically for this project and approved by OCD.

The pump from the irrigation well on the DEFS Eldridge property was also removed on April 20, 2004 by Eades Drilling of Hobbs, New Mexico as part of these field activities. The depth of the well was measured at approximately 44.5 feet below ground surface (bgs). The well was uncased so Eades Drilling inserted 4-inch casing into the nominal 10-inch well to prevent caving. The casing string consisting of 30 foot of factory-slotted

casing with blank riser to the surface. The casing was left in the well following sampling to ensure continued access.

The activities are divided into water table measurements, fluid thickness measurements and groundwater sampling. The data from each activity is summarized below.

Water Table Measurements

Trident first measured the fluid levels in 66 of the 67 wells in the study prior to beginning the March 2004 purging and sampling activities. The fluid level in the irrigation well was not measured until April 29, 2004 when the turbine pump was pulled. All water levels were also gauged on June 21, 2004. Table 1 provides construction information on all of the wells at the site. The well locations are shown on Figure 1.

The corrected groundwater elevations as measured on March 22, 2004 and June 21, 2004 are shown on Table 2 along with the historical data. Approximate non-FPH 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 0.723 based upon site-specific information).

Hydrographs for the well with longer periods of record are included in Figure 2. The increases in water levels from March 2004 to June 2004 resulted from the heavy rains in April 2004. The hydraulic relationships between the wells remained constant with the historic trends. The uniform groundwater fluctuations indicate that equilibrated steady-state conditions are present within the study area.

Water table contours based upon the corrected March 2004 and June 2004 data are shown in Figures 3 and 4 respectively. The contours were generated using the Surfer program with a kriging option and modified as necessary to match the results. Both Figures 3 and 4 demonstrate that the groundwater flow remains constant with the historical pattern. The flow is southeast toward the north-south trending swale on the Huston property. It then deflects to a more north-south alignment in the vicinity of the Huston-DEFS Eldridge property boundary.

The vertical groundwater gradient, as measured at the MW-1/MW-1D cluster, has not changed during the six quarterly measurement episodes since February 2003. The head difference between the two wells varied between 3.55 and 3.58 feet: a difference of 0.36 inches. This difference probably lies within the range of error associated with the groundwater measurement technique.

Product Thickness Measurements

The product thickness measurements are summarized on Table 3. MW-18 has not contained FPH since June 2003. The FPH thicknesses did not change substantially between January 2004 and March 2004. This condition changed in April 2004 after a period of heavy rain. The groundwater rose approximately 1 foot during that period and the FPH disappeared. FPH have since reappeared in all wells except for MW-8 and MW-11.

Groundwater Sampling

Representative groundwater samples were collected from all wells that did not contain FPH except MW-19 and the Irrigation Well the week of March 22, 2004. Well MW-19 was unitentionally skipped during the March 2004 sampling episode. The samples from MW-19 and the Irrigation Well were collected on April 29, 2004, and their results are incorporated in this report. Representative groundwater samples were collected from all wells the week of June 21, 2004 except MW-BB. MW-BB was inadvertently skipped, and the omission was not discovered until receipt of the results. Examination of Figure 1 shows that MW-BB is located in a dense cluster of wells surrounding MW-11 so its omission is not critical in evaluating the BTEX distributions.

All of the groundwater samples were analyzed for benzene, ethylbenzene, toluene and xylenes (BTEX). The BTEX results for the March 2004 and June 2004 monitoring episodes are summarized in Tables 4 and 5 respectively. Both laboratory reports are attached. Summaries of all analytical results for the BTEX constituents are included in Table 6 (benzene), Table 7 (ethylbenzene), Table 8 (toluene), and Table 9 (total xylenes).

The measured concentrations and the calculated isopleths for benzene are shown on Figure 4 for the March 2004 episode and Figure 5 for the June 2004 episode. The pipelines are also included on this figure for reference. The isopleths were calculated using the Surfer program with a kriging option and modified as necessary to match the results.

Selected samples were analyzed for the principal cations (sodium, magnesium, calcium, potassium) and anions (carbonate, bicarbonate, sulfate and chlorides) during the March 2004 sampling episode. Some inorganic samples were also collected and submitted to ensure fulfillment of Condition 5 contained in OCD's October 22, 2003 letter to DEFS that required that all wells be sampled at least once for the principal ions. Table 10 provides all of the principal ion and total dissolved solid data collected during the investigative activities.

The next quarterly sampling episode is scheduled for September 2004. Samples will be collected from all wells that do not contain FPH with the exception of the North Water Well and West Water Well. These two wells are difficult to sample, and omitting them

does not degrade the ability to evaluate constituent concentration changes. A report summarizing the results will then be submitted to the OCD.

Thank you for allowing Remediacon 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,
REMEDIACON INCORPORATED

Michael H. Stewart

Michael H. Stewart, PE, CPG
Principal Engineer

MHS/tbm

attachments

TABLES

Table 1 – Monitoring Well Information

Well	Installed By	Date Installed	Total Well Depth	Screen Interval	Sand Interval
MW-1	AMEC	8/01	28.0	11.8-26.8	9.8-27
MW-1D	Trident	12/02	48.0	34-44	33-48
MW-2	AMEC	8/01	28.0	11.7-26.7	8.7-27
MW-3	AMEC	8/01	30.0	13.4-28.4	10.4-29
MW-4	AMEC	8/01	30.0	13.2-28.2	10.2-29
MW-5	AMEC	8/01	27.0	10.2-25.2	7.2-26
MW-6	AMEC	8/01	30.0	13.5-28.5	10.5-29.0
MW-7	AMEC	8/01	35.0	18.6-33.6	15.6-34
MW-8	AMEC	3/02	30.0	15.0-30.0	12-30
MW-9	AMEC	3/02	27.0	11.4-26.4	8.4-27
MW-10	AMEC	3/02	31.0	15.2-30.2	12-31
MW-11	AMEC	3/02	30.4	15.3-30.3	12-30.4
MW-12	AMEC	3/02	34.0	18-33	15-34
MW-13	AMEC	3/02	36.0	18.11-33.11	16-36
MW-14	AMEC	3/02	32.0	16.11-31.11	14-32
MW-15	Trident	9/02	35.5	20-35	18-35.5
MW-16	Trident	9/02	25.0	9.5-24.5	9-24.5
MW-17	Trident	9/02	25.0	9.5-24.5	9-24.5
MW-18	Trident	9/02	32.0	16.5-31.5	15-32
MW-19	Trident	9/02	30.0	7-27	6-30
MW-20	Trident	9/02	32.0	16.5-31.5	15-32
MW-21	Trident	9/02	35.0	19.5-34.5	18-35
MW-22	Trident	9/02	36.0	17-32	15-36
MW-23	Trident	9/02	30.0	14.5-29.5	11-30
MW-24	Trident	12/02	35.0	19-34	17-34
MW-25	Trident	2/03	37.0	17-37	15-37
MW-26	Trident	2/03	35.0	15-35	13-35
MW-27	Trident	2/03	37.0	17-37	15-37
North Water Well	?	?	40	?	?
South Water Well	?	?	25	?	?
West Water Well	?	?	48	?	?
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.

Table 1 – (continued)

Well	Installed By	Date Installed	Total Well Depth	Screen Interval	Sand Interval
MW-A	Trident	11/03	26.5	11-26	8-26.5
MW-B	Trident	11/03	30.5	15-30	11-30.5
MW-C	Trident	11/03	26.5	11-26	9-26.5
MW-D	Trident	11/03	31.5	16-31	14-31.5
MW-E	Trident	11/03	31	15-30	13-31
MW-F	Trident	11/03	26	9-24	6-24
MW-G	Trident	11/03	26	10-25	5-25
MW-H	Trident	11/03	30.5	15-30	12-30
MW-I	Trident	11/03	36.5	19-34	17-36.5
MW-J	Trident	11/03	27.5	12-27	9-27.5
MW-K	Trident	11/03	26	10-25	8-26
MW-L	Trident	11/03	33	16-31	14-33
MW-M	Trident	11/03	38.5	23-38	21-38
MW-N	Trident	11/03	36.5	21-36	19-36.5
MW-O	Trident	11/03	36.5	21-36	19-36.5
MW-P	Trident	11/03	38	20-35	18-38
MW-Q	Trident	11/03	36	19-34	16-36
MW-R	Trident	11/03	31	15-30	13-31
MW-S	Trident	11/03	28.5	13-28	10-28.5
MW-T	Trident	11/03	37	20-35	17-37
MW-AA	Trident	11/03	32.5	17-32	15-32.5
MW-BB	Trident	11/03	29.5	14-29	12-29.5
MW-CC	Trident	11/03	36.5	21-36	19-36.5
MW-DD	Trident	11/03	32.5	17-32	15-32.5
MW-EE	Trident	11/03	33.5	18-33	16-33.5
MW-FF	Trident	11/03	36	15-30	13-36
MW-GG	Trident	11/03	31.5	16-31	14-31.5
MW-HH	Trident	11/03	31.5	16-31	14-31.5
MW-II	Trident	11/03	31.5	16-31	14-31.5
MW-JJ	Trident	11/03	31.5	16-31	14-31.5
MW-KK	Trident	11/03	36.5	21-36	19-36.5
MW-LL	Trident	11/03	37.5	22-37	20-37.5
MW-MM	Trident	11/03	36	19-34	16-36
MW-NN	Trident	11/03	36.5	21-36	19-36
MW-OO	Trident	11/03	37.5	22-37	19-37.5

All units in feet
Minimum of 2 feet of pelletized bentonite on top of all sand packs.

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
MW-1	3602.20	3599.02	3598.68	3598.55	3598.68	3598.59	3598.36	3598.48	3598.47	3598.46	3599.07
MW 1D					3595.12	3595.03	3594.81	3594.90	3594.92	3594.91	3595.52
MW-2	3601.63	3599.33	3598.95	3598.81	3598.99	3598.88	3598.66	NM	3598.75	3598.73	3599.34
MW-3	3601.67	3601.67	3599.11	3598.96	3599.09	3599.01	3598.80	3598.89	3598.89	3598.88	3599.48
MW-4	3602.16	3599.81	3599.34	3599.17	3599.30	3599.24	3599.01	3599.05	3599.07	3599.08	3599.67
MW-5	3602.98	3600.48	3600.09	3599.93	3600.20	3600.03	3599.75	3599.91	3599.92	3599.94	3600.50
MW-6	3606.44	3603.99	3603.42	3603.22	3603.27	3603.21	3603.01	3602.99	3602.99	3602.98	3603.60
MW-7	3606.47	3604.02	3603.46	3603.31	3603.30	3603.25	3603.10	3603.05	3603.05	3603.01	3603.50
MW-8		3605.22	3602.50	3602.33	3602.34	3602.25	3602.00	3602.00	3602.13	3601.98	3619.49
MW-9		3604.78	3601.14	3600.91	3601.05	3600.91	3600.62	3600.66	3600.66	3600.67	3601.43
MW-10		3606.67	3603.96	3603.76	3603.74	3603.67	3603.41	3603.39	3603.38	3603.36	3604.15
MW-11		3606.16	3603.64	3602.47	3603.39	3603.32	3603.04	3603.07	3603.04	3603.00	3620.96
MW-12		3607.44	3604.87	3604.69	3604.60	3604.54	3604.36	3604.32	3604.27	3604.23	3604.89
MW-13		3608.80	3605.01	3604.79	3604.79	3604.70	3604.43	3604.40	3604.39	3604.37	3605.24
MW-14		3608.66	3606.04	3605.85	3605.81	3605.74	3605.51	3605.47	3605.45	3605.43	3606.23
MW-15				3608.42	3608.43	3608.43	3608.41	3608.41	3608.40	3608.38	3608.50
MW-16				3592.88	3593.10	3592.88	3592.87	NM	3592.82	3592.84	3593.38
MW-17				3592.92	3593.17	3592.98	3592.72	NM	3592.89	3592.92	3593.32
MW-18				3600.19	3600.42	3600.24	3599.91	3600.04	3600.06	3600.08	3600.75
MW-19				3599.70	3600.05	3599.78	3599.45	3599.64	3599.67	3599.70	3600.31
MW-20				3605.44	3605.32	3605.26	3605.14	3605.09	3605.04	3604.99	3605.41
MW-21				3606.29	3606.26	3606.22	3606.06	3606.04	3606.02	3606.00	3606.70
MW-22				3605.80	3605.81	3605.73	3605.45	3605.44	3605.43	3605.41	3606.22
MW-23				3607.55	3607.50	3607.46	3607.26	3607.24	3607.21	3607.19	3607.82
MW-24					3587.76	3587.66	3587.47	NM	3587.56	3587.56	3588.04
MW-25					3611.96	3611.94	3611.89	3611.86	3611.84	3611.81	3612.12
MW-26					3609.37	3609.36	3609.20	3609.18	3609.14	3609.13	3609.62
MW-27					3606.23	3606.17	3605.86	3606.09	3605.85	3605.81	3606.67
North Water Well				3589.13	3609.29	3609.25	3609.07	3609.02	3609.00	3608.96	3609.60
South Water Well					3591.96	3591.83	3591.62	NM	3591.84	3591.67	3592.42
West Water Well					3607.83	3607.83	3607.75	3607.74	3607.72	3607.68	3607.80

Notes: 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

Table 2 - (continued)

Well	12/9/03	1/12/04	3/22/04	6/21/04
MW-A	3594.96	3594.95	3594.94	3595.55
MW-B	3595.01	3595.01	3595.00	3595.62
MW-C	3597.77	3597.78	3597.77	3598.37
MW-D	3598.11	3598.14	3598.15	3598.69
MW-E	3598.83	3598.84	3598.85	3599.44
MW-F	3598.96	3598.99	3599.02	3599.58
MW-G	3598.98	3599.01	3599.05	3599.59
MW-H	3600.88	3600.89	3600.87	3601.54
MW-I	3602.15	3602.17	3602.16	3602.89
MW-J	3601.61	3601.67	3601.63	3602.34
MW-K	3601.89	3601.90	3601.92	3602.66
MW-L	3604.27	3604.25	3604.21	3604.89
MW-M	3605.18	3605.16	3605.12	3605.92
MW-N	3605.11	3605.10	3605.05	3605.93
MW-O	3605.10	3605.08	3605.06	3605.92
MW-P	3605.08	3605.07	3605.05	3605.91
MW-Q	3606.03	3606.01	3605.99	3606.84
MW-R	3604.97	3605.01	3604.94	3605.79
MW-S	3604.92	3604.91	3604.90	3605.73
MW-T	3605.08	3605.06	3605.04	3605.90
MW-AA	3602.45	3602.44	3602.42	3603.13
MW-BB	3603.45	3603.44	3603.42	3604.11
MW-CC	3605.16	3605.14	3605.09	3605.98
MW-DD	3606.98	3606.96	3606.94	3607.63
MW-EE	3607.61	3607.59	3607.54	3608.18
MW-FF	3604.81	3604.80	3604.75	3605.35
MW-GG	3602.60	3602.58	3602.57	3603.28
MW-HH	3603.73	3603.71	3603.69	3604.40
MW-II	3603.03	3603.00	3602.97	3603.67
MW-JJ	3603.47	3603.44	3603.41	3604.07
MW-KK	3604.14	3604.12	3604.10	3604.96
MW-LL	3605.10	3605.08	3605.05	3605.92
MW-MM	3606.65	3606.62	3606.60	3607.35
MW-NN	3605.09	3605.07	3605.05	3605.90
MW-OO	3605.17	3605.15	3605.13	3606.00

Notes: 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

Table 3 – Measured Free Phase Hydrocarbon Thickness

Well	3/03/02	7/18/02	10/10/02	2/22/03	6/04/03	9/24/03	12/09/03	1/12/04	3/22/04	6/21/04
MW-8	0.00	0.00	0.00	0.00	0.30	0.47	0.50	0.00	0.46	0.00
MW-11	0.00	0.00	0.01	1.35	1.36	1.33	1.40	1.41	1.37	0.00
MW-18			0.00	0.40	0.40	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
MW-26				0.71	0.84	0.21	0.05	0.02	0.02	0.01
MW-27				1.25	1.26	1.18	0.37	1.16	1.11	1.09
MW-N							1.10	1.10	1.09	0.99
MW-CC							1.20	1.20	1.20	1.10
MW-EE							0.27	0.26	0.21	0.14

Notes: All units are feet.
Wells MW-8 and MW-11 have not produced free product since a large precipitation event the week of April 12, 2004

Table 4 – Summary of March 2004 Organics Analyses

Well	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-1	0.00245	0.000744	<0.001	<0.001
MW-1D	<0.001	<0.001	<0.001	<0.001
MW-2	<0.001	<0.001	<0.001	<0.001
MW-3	<0.001	<0.001	<0.001	<0.001
MW-4	4.20	3.89	0.192	0.656
MW-5	0.0834	0.0329	0.0225	0.0493
MW-6	0.0383	<0.001	0.00234	0.00222
MW-7	<0.001	<0.001	<0.001	<0.001
MW-8	FPH	FPH	FPH	FPH
MW-9	0.000919	<0.001	<0.001	<0.001
MW-10	4.8	0.048	0.00559	0.01127
MW-11	FPH	FPH	FPH	FPH
MW-12	16.9	0.162	0.11	0.0456
MW-13	10.8	0.384	0.0815	0.1289
MW-14	0.376	<0.001	<0.001	0.001311
MW-15	0.0012	<0.001	<0.001	<0.001
MW-16	<0.001	<0.001	<0.001	<0.001
MW-17	<0.001	<0.001	<0.001	<0.001
MW-18	0.00764	0.00152	<0.001	0.00962
MW-19	0.054	<0.001	<0.001	<0.001
MW-20	0.000965	<0.001	<0.001	<0.001
MW-21	0.00718/ 0.00511	0.00325/ 0.00258	0.00195/ 0.00276	0.00558/ 0.00788
MW-22	<0.001	<0.001	<0.001	<0.001
MW-23	FPH	FPH	FPH	FPH
MW-24	<0.001	<0.001	<0.001	<0.001
MW-25	<0.001	<0.001	<0.001	<0.001
MW-26	2.33	0.57	0.0443	0.0983
MW-27	FPH	FPH	FPH	FPH
North water well	0.05999	<0.001	<0.001	0.0006
South water well	<0.001	<0.001	<0.001	<0.001
West water well	<0.001	<0.001	<0.001	<0.001
House well	0.0008	<0.001	<0.001	<0.001
Irrigation well	0.426	0.970	0.115	0.4055

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

Table 4 – Summary of March 2004 Organics Analyses (continued)

Well	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-A	1.44	1.4	0.143	0.564
MW-B	0.215	0.19	0.0833	0.2542
MW-C	0.0288	0.00369	0.00577	0.006176
MW-D	0.0101	0.0021	0.00324	0.003301
MW-E	0.626	<0.001	0.00224	<0.001
MW-F	0.000968	<0.001	<0.001	<0.001
MW-G	0.000915	<0.001	<0.001	<0.001
MW-H	0.0193	<0.001	<0.001	<0.001
MW-I	0.394	<0.001	0.000933	<0.001
MW-J	0.00969	<0.001	<0.001	<0.001
MW-K	1.99	<0.005	<0.005	<0.005
MW-L	24.8	<0.05	0.171	0.0114
MW-M	3.58	0.175	0.0356	0.0233
MW-N	FPH	FPH	FPH	FPH
MW-O	32.0	0.0505	0.0551	0.01669
MW-P	9.44	0.0125	0.0153	0.00885
MW-Q	8.24	0.0127	0.0064	0.01009
MW-R	0.00283	<0.001	<0.001	<0.001
MW-S	<0.001	<0.001	<0.001	<0.001
MW-T	4.89	0.0028	0.0052	0.0093
MW-AA	0.367	0.00217	0.00541	0.002181
MW-BB	3.73	0.0226	0.03	0.0068
MW-CC	FPH	FPH	FPH	FPH
MW-DD	0.678	0.0024	0.0152	0.0491
MW-EE	FPH	FPH	FPH	FPH
MW-FF	3.22	<0.02	<0.02	<0.02
MW-GG	7.34	0.0133	0.00483	0.00877
MW-HH	5.63	0.0418	0.0107	0.00494
MW-II	2.10	0.156	0.0225	0.02362
MW-JJ	15.3	0.041	0.0997	0.00471
MW-KK	2.18	0.531	0.0144	0.03293
MW-LL	12.8	0.106	0.0958	0.104
MW-MM	0.202	<0.001	0.00205	0.0025
MW-NN	19.2	0.0036	0.167	0.0296
MW-OO	29.2	3.28	0.168	0.3675

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

Table 5 – Summary of June 2004 Analyses

Well	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-1	0.0762	0.00238	0.0126	0.0404
MW-1D	<0.001	<0.001	<0.001	<0.001
MW-2	<0.001	<0.001	<0.001	<0.001
MW-3	0.00184	0.000852	.000462J	<0.001
MW-4	5.71	5.63	0.287	1.066
MW-5	0.531	1.02	0.145	0.564
MW-6	0.0465	0.00104	0.0271	0.052609
MW-7	<0.001	<0.001	<0.001	<0.001
MW-8	9.68	8.62	0.389	1.168
MW-9	<0.001	<0.001	<0.001	<0.001
MW-10	7.63	0.483	0.0418	0.0952
MW-11	19.9	6.32	0.394	0.79
MW-12	16.3	0.332	0.137	0.1033
MW-13	12.7	0.338	0.121	0.1961
MW-14	0.32	0.00118	.000161J	.000373J
MW-15	0.00464	0.000755J	0.000266J	0.001181J
MW-16	<0.001	<0.001	<0.001	<0.001
MW-17	<0.001	<0.001	<0.001	<0.001
MW-18	0.101	0.0233	0.0192	0.0798
MW-19	0.0532	<0.001	.000226J	.000856J
MW-20	<0.001	<0.001	<0.001	<0.001
MW-21	0.159	0.178	0.295	0.674
MW-22	<0.001	<0.001	<0.001	<0.001
MW-23	FPH	FPH	FPH	FPH
MW-24	<0.001	<0.001	<0.001	<0.001
MW-25	<0.001	<0.001	<0.001	<0.001
MW-26	FPH	FPH	FPH	FPH
MW-27	FPH	FPH	FPH	FPH
North water well	0.0987	0.00464	0.000712	0.002887
South water well	<0.001	<0.001	<0.001	<0.001
West water well	<0.001	<0.001	<0.001	<0.001
House well	0.0144	<0.001	<0.001	<0.001
Irrigation well	0.537	0.858	0.141	0.4783

Notes: All units mg/l
FPH: Free phase hydrocarbons present no groundwater sample collected
J: estimated value below method detection limit

Table 5 – Summary of June 2004 Analyses (continued)

Well	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-A	1.53	1.44	0.166	0.615
MW-B	0.274	0.481	0.134	0.581
MW-C	0.175	0.0581	0.0416	0.0561
MW-D	0.0191	0.0035	0.00935	0.0106
MW-E	0.263	.000889J	0.00367	0.00222
MW-F	<0.001	<0.001	<0.001	<0.001
MW-G	<0.001	<0.001	<0.001	<0.001
MW-H	0.371	0.000314J	.000833J	.000749J
MW-I	0.552	0.00162	0.00176	0.002005
MW-J	<0.001	<0.001	<0.001	<0.001
MW-K	1.62	.00288J	.00293J	0.00881
MW-L	30.7	.0142J	0.237	.0575J
MW-M	9.17	0.173	0.0967	0.03794
MW-N	FPH	FPH	FPH	FPH
MW-O	32.5	0.111	0.0769	0.0554J
MW-P	10.7	.026J	.0249J	.0237J
MW-Q	7.2	0.0515	0.0269	0.04763
MW-R	0.0294	<0.001	.00151J	0.000825J
MW-S	<0.001	<0.001	<0.001	<0.001
MW-T	4.17	.0103J	.0126J	0.0224
MW-AA	1.21	0.0139	0.0079	0.00528J
MW-BB				
MW-CC	FPH	FPH	FPH	FPH
MW-DD	0.635	0.00546	0.0269	0.083873
MW-EE	FPH	FPH	FPH	FPH
MW-FF	3.31	0.00575	0.00705	0.00435J
MW-GG	7.97	0.0871	.00869J	0.01928
MW-HH	4.51	0.113	0.0128	0.0641J
MW-II	3.4	1.23	0.0732	0.1504
MW-JJ	17.6	0.384	0.162	0.0586
MW-KK	1.67	0.239	0.00674	0.02187
MW-LL	14.9	0.586	0.151	0.3285
MW-MM	0.351	0.000512J	0.00916	0.018005
MW-NN	35.2	.0368J	0.111	.04572J
MW-OO	32.6	5.27	0.244	0.638

Notes: All units mg/l
FPH: Free phase hydrocarbons present no groundwater sample collected
J: estimated value below method detection limit

Table 6 – Summary of Dissolved Phase Benzene Concentrations

Well	Aug-01	Mar-02	Jul-02	Oct-02	Dec-02	Feb-03	Jun-03	Sep-03	Dec 03/ Jan 04	Mar-04	Jun-04
MW-1	0.943	NS	0.279	NS	NS	0.018 /0.021	0.004	0.002	0.034	0.00245	0.0762
MW-1D				NS	<0.001	0.028	<0.001	<0.001	0.008	<0.001	<0.001
MW-2	<.005	NS	<0.001	NS	NS	<0.001	0.006	<0.001	<0.001	<0.001	<0.001
MW-3	<.005	NS	0.002	NS	NS	<0.001	<0.001	<0.001	<0.001	<0.001	0.00184
MW-4	10.0	NS	10.4	NS	NS	5.65	3.88	3.53	3.36	4.20	5.71
MW-5	0.217 /0.182	NS	0.160	NS	NS	0.018	0.019 /0.023	0.013 /0.013	0.052	0.0834	0.531
MW-6	0.600	NS	0.237/ 0.253	NS	NS	0.022	0.033	0.020	0.004	0.0383	0.0465
MW-7	<.005	NS	<0.001	NS	NS	0.004	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8		8.60	8.37	NS	NS	9.62	FPH	FPH	FPH	FPH	9.68
MW-9		<.005	<0.001	NS	NS	<0.001	<0.001	<0.001	<0.001	0.000919	<0.001
MW-10		10.6	14.0	NS	NS	12.4	9.78	7.04	6.95	4.8	7.63
MW-11		27.8	FPH	NS	NS	FPH	FPH	FPH	FPH	FPH	19.9
MW-12		9.08	6.95	NS	NS	15.1	11.9	15.2	14.7	16.9	16.3
MW-13		19.8	19.8	NS	NS	23.2	26.3	16.5	16.1	10.8	12.7
MW-14		1.04	1.21	NS	NS	0.895	0.537	0.388	0.398	0.376	0.32
MW-15				0.002	NS	0.003	0.001	<0.001	0.029	0.0012	0.00464
MW-16				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-17				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-18				0.008	NS	FPH	FPH	0.059	0.018	0.00764	0.101
MW-19				0.003	NS	0.198	0.092	0.078	0.05	0.054	0.0532
MW-20				<0.001	NS	0.001	0.006	<0.001	<0.001	0.000965	<0.001
MW-21				0.01/0.011	NS	0.016 /0.014	0.016/ 0.017	0.007/ 0.006	0.009	0.00718 0.00511	0.159
MW-22				<0.001	NS	<0.001	0.002	<0.001	0.014	<0.001	<0.001
MW-23						FPH	FPH	FPH	FPH	FPH	FPH
MW-24				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-25					NS	0.004/ 0.004	0.004	0.009	0.002	<0.001	<0.001
MW-26						FPH	FPH	FPH	FPH	2.33	FPH
MW-27						FPH	FPH	FPH	FPH	FPH	FPH
North water well					0.385	0.383	0.333	0.359	0.21	0.05999	0.0987
South water well					<0.001	0.036	<0.001	<0.001	<0.001	<0.001	<0.001
West water well					NS	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
House well					0.59	0.403	NS	NS	0.147	0.0008	0.0144
Irrigation well				1.26						0.426	0.537

Notes: All units in mg/l
Cells marked with FPH contained free phase hydrocarbons and were not sampled
Cells marked with NS denote wells that were not sampled
Blank cells denote wells that had not been installed

Table 6 – Summary of Dissolved Phase Benzene Concentrations (continued)

Well	Dec 03/Jan 04	Mar 04	Jun-04
MW-A	2.11	1.44	1.53
MW-B	0.321	0.215	0.274
MW-C	0.027	0.0288	0.175
MW-D	0.008	0.0101	0.0191
MW-E	0.847	0.626	0.263
MW-F	<0.001	0.000968	<0.001
MW-G	<0.001	0.000915	<0.001
MW-H	0.066	0.0193	0.371
MW-I	0.522	0.394	0.552
MW-J	<0.001	0.00969	<0.001
MW-K	2.33	1.99	1.62
MW-L	21.4	24.8	30.7
MW-M	1.67	3.58	9.17
MW-N	FPH	FPH	FPH
MW-O	30.4	32.0	32.5
MW-P	10.2	9.44	10.7
MW-Q	7.44	8.24	7.2
MW-R	0.004	0.00283	0.0294
MW-S	0.002	<0.001	<0.001
MW-T	4.3	4.89	4.17
MW-AA	0.356	0.367	1.21
MW-BB	4.34	3.73	
MW-CC	FPH	FPH	FPH
MW-DD	0.772	0.678	0.635
MW-EE	FPH	FPH	FPH
MW-FF	3.22	3.22	3.31
MW-GG	5.96	7.34	7.97
MW-HH	3.23	5.63	4.51
MW-II	0.518	2.10	3.4
MW-JJ	15.9	15.3	17.6
MW-KK	0.263	2.18	1.67
MW-LL	13.7	12.8	14.9
MW-MM	0.237	0.202	0.351
MW-NN	31.5	19.2	35.2
MW-OO	31.5	29.2	32.6

All units in mg/l
Cells marked with FPH contained free phase hydrocarbons and were not sampled
Cells marked with NW denote wells that were not sampled
Blank cells denote wells that had not been installed

Table 7 - Summary of Dissolved Phase Toluene Concentrations

Well	Aug-01	Mar-02	Jul-02	Oct-02	Dec-02	Feb-03	Jun-03	Sep-03	Dec 03/ Jan 04	Mar- 04	Jun-04
MW-1	0.120	NS	0.002	NS	NS	0.004/0.005	0.002	0.001	0.039	0.000744	0.00238
MW-1D				NS	<0.001	0.003	<0.001	<0.001	0.002	<0.001	<0.001
MW-2	<.005	NS	<0.001	NS	NS	<0.001	0.003	<0.001	<0.001	<0.001	<0.001
MW-3	<.005	NS	<0.001	NS	NS	<0.001	<0.001	<0.001	<0.001	<0.001	0.000852
MW-4	6.96	NS	5.52	NS	NS	3.02	2.51	2.56	2.46	3.89	5.63
MW-5	0.185/0.159	NS	0.004	NS	NS	0.006	0.004 /0.004	0.006/0.007	0.01	0.0329	1.02
MW-6	0.502	NS	0.046/0.047	NS	NS	0.004	0.005	0.002	0.001	<0.001	0.00104
MW-7	<.005	NS	<0.001	NS	NS	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
MW-8		0.482	0.176	NS	NS	1.06	FPH	FPH	FPH	FPH	8.62
MW-9		<.005	<0.001	NS	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-10		<.100	0.144	NS	NS	0.126	0.174	0.155	0.019	0.048	0.483
MW-11		2.49	FPH	NS	NS	FPH	FPH	FPH	FPH	FPH	6.32
MW-12		0.281	0.190	NS	NS	0.491	0.346	0.278	0.142	0.162	0.332
MW-13		5.95	4.34	NS	NS	1.96	1.54	0.788	0.582	0.384	0.338
MW-14		0.0059	<0.010	NS	NS	0.002	0.003	0.002	0.002	<0.001	0.00118
MW-15				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	0.000755
MW-16				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-17				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-18				0.005	NS			0.042	0.006	0.00152	0.0233
MW-19				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-20				<0.001	NS	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-21				0.022/0.024	NS	0.021/0.019	0.018 /0.019	0.002/0.002	0.006	0.00325	0.178
MW-22				<0.001	NS	<0.001	<0.001	<0.001	0.012	<0.001	<0.001
MW-23					NS	FPH	FPH	FPH	FPH	FPH	FPH
MW-24				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-25				0.002	NS	0.002	0.002	<0.001	<0.001	<0.001	<0.001
MW-26						FPH	FPH	FPH	FPH	0.57	FPH
MW-27						FPH	FPH	FPH	FPH	FPH	FPH
North water well					0.001	0.007	0.002	0.002	0.006	<0.001	0.00464
South water well					<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
West water well						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
House well					<0.001	<0.001	NS	NS	<0.001	<0.001	<0.001
Irrigation Well				0.088						0.97	0.858

All units in mg/l
Cells marked with FPH contained free phase hydrocarbons and were not sampled
Cells marked with NW denote wells that were not sampled
Blank cells denote wells that had not been installed

Table 7- Summary of Dissolved Phase Toluene Concentrations (Continued)

Well	Dec 03/Jan 04	Mar-04	Jun-04
MW-A	1.8	1.4	1.44
MW-B	0.221	0.19	0.481
MW-C	0.019	0.00369	0.0581
MW-D	0.008	0.0021	0.0035
MW-E	0.012	<0.001	.000889
MW-F	<0.001	<0.001	<0.001
MW-G	<0.001	<0.001	<0.001
MW-H	<0.001	<0.001	0.000314
MW-I	0.004	<0.001	0.00162
MW-J	<0.001	<0.001	<0.001
MW-K	<0.001	<0.005	.00288
MW-L	<.02	<0.05	.0142
MW-M	0.108	0.175	0.173
MW-N	FPH	FPH	FPH
MW-O	0.129	0.0505	0.111
MW-P	0.023	0.0125	.026
MW-Q	0.045	0.0127	0.0515
MW-R	0.003	<0.001	<0.001
MW-S	<0.001	<0.001	<0.001
MW-T	0.026	0.0028	.0103
MW-AA	0.03	0.00217	0.0139
MW-BB	0.064	0.0226	
MW-CC	FPH	FPH	FPH
MW-DD	0.007	0.0024	0.00546
MW-EE	FPH	FPH	FPH
MW-FF	3.22	<0.02	0.00575
MW-GG	0.031	0.0133	0.0871
MW-HH	0.052	0.0418	0.113
MW-II	0.167	0.156	1.23
MW-JJ	0.071	0.041	0.384
MW-KK	0.115	0.531	0.239
MW-LL	0.216	0.106	0.586
MW-MM	0.006	<0.001	0.000512
MW-NN	0.043	0.0036	.0368
MW-OO	5.41	3.28	5.27

All units in mg/l
Cells marked with FPH contained free phase hydrocarbons and were not sampled
Cells marked with NW denote wells that were not sampled
Blank cells denote wells that had not been installed

Table 8 Summary of Dissolved Phase Ethylbenzene Concentrations

Well	Aug-01	Mar-02	Jul-02	Oct-02	Dec-02	Feb-03	Jun-03	Sep-03	Dec 03 /Jan 04	Mar-04	Jun-04
MW-1	0.052	NS	<0.001	NS	NS	<.001/0.001	0.036	<0.001	0.003	<0.001	0.0126
MW-1D				NS	<.001	<.001	<0.001	<0.001	0.001	<0.001	<0.001
MW-2	<.005	NS	<0.001	NS	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-3	<.005	NS	<0.001	NS	NS	<0.001	<0.001	<0.001	<0.001	<0.001	.000462
MW-4	0.190	NS	0.189	NS	NS	0.141	0.133	0.092	0.142	0.192	0.287
MW-5	0.024/0.020	NS	0.020	NS	NS	0.011	0.01/0.01	0.006/0.006	0.021	0.0225	0.145
MW-6	0.024	NS	0.009/0.009	NS	NS	0.006	0.013	0.006	0.006	0.00234	0.0271
MW-7	<.005	NS	<0.001	NS	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8		<.100	0.074	NS	NS	0.166	FPH		FPH	FPH	0.389
MW-9		<.100	<0.020	NS	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-10		<.200	FPH	NS	NS	<.025	<0.001	0.011	0.02	0.00559	0.0418
MW-11				NS	NS	FPH	FPH	FPH	FPH	FPH	0.394
MW-12		<.100	0.043	NS	NS	0.109	0.27	0.124	0.102	0.11	0.137
MW-13		0.205	0.206	NS	NS	0.228	0.214	0.179	0.139	0.0815	0.121
MW-14		<.005	<0.010	NS	NS	<0.001	<0.001	<0.001	<0.001	<0.001	.000161
MW-15				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	.000266
MW-16				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-17				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-18				0.001	NS	FPH	FPH	0.025	0.002	<0.001	0.0192
MW-19				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	.000226
MW-20				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-21				0.004/0.004	NS	0.01/0.009	0.01/0.007	0.003/0.003	0.006	0.00195	0.295
MW-22				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-23					NS	FPH	FPH	FPH	FPH	FPH	FPH
MW-24				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-25				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-26						FPH	FPH	FPH	FPH	0.0443	FPH
MW-27						FPH	FPH	FPH	FPH	FPH	FPH
North water well					0.002	0.002	0.001	0.001	<0.001	<0.001	0.000712
South water well					<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
West water well					NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
House well					0.005	0.006	NS	NS	<0.001	<0.001	<0.001
Irrigation Well				1.12						0.115	0.141

All units in mg/l
Cells marked with FPH contained free phase hydrocarbons and were not sampled
Cells marked with NW denote wells that were not sampled
Blank cells denote wells that had not been installed

Table 8- Summary of Dissolved Phase Ethylbenzene Concentrations (continued)

Well	Dec 03/Jan 04	Mar-04	Jun-04
MW-A	0.218	0.143	0.166
MW-B	0.099	0.0833	0.134
MW-C	0.004	0.00577	0.0416
MW-D	0.002	0.00324	0.00935
MW-E	0.003	0.00224	0.00367
MW-F	<0.001	<0.001	<0.001
MW-G	<0.001	<0.001	<0.001
MW-H	<0.001	<0.001	.000833
MW-I	0.001	0.000933	0.00176
MW-J	<0.001	<0.001	<0.001
MW-K	<0.001	<0.005	.00293
MW-L	0.13	0.171	0.237
MW-M	0.03	0.0356	0.0967
MW-N	FPH	FPH	FPH
MW-O	0.062	0.0551	0.0769
MW-P	0.036	0.0153	.0249
MW-Q	0.015	0.0064	0.0269
MW-R	<0.001	<0.001	.00151
MW-S	<0.001	<0.001	<0.001
MW-T	0.011	0.0052	.0126
MW-AA	0.005	0.00541	0.0079
MW-BB	0.058	0.03	
MW-CC	FPH	FPH	FPH
MW-DD	0.037	0.0152	0.0269
MW-EE	FPH	FPH	FPH
MW-FF	<.01	<0.02	0.00705
MW-GG	<.01	0.00483	.00869
MW-HH	<.01	0.0107	0.0128
MW-II	0.01	0.0225	0.0732
MW-JJ	0.096	0.0997	0.162
MW-KK	0.006	0.0144	0.00674
MW-LL	0.124	0.0958	0.151
MW-MM	0.007	0.00205	0.00916
MW-NN	0.121	0.167	0.111
MW-OO	0.209	0.168	0.244

All units in mg/l
Cells marked with FPH contained free phase hydrocarbons and were not sampled
Cells marked with NW denote wells that were not sampled
Blank cells denote wells that had not been installed

Table 9- Summary of Dissolved Phase Total Xylene Concentrations

Well	Aug-01	Mar-02	Jul-02	Oct-02	Dec-02	Feb-03	Jun-03	Sep-03	Dec 03/ Jan 04	Mar-04	Jun-04
MW-1	0.06	NS	<0.001	NS	NS	0.002/0.003	0.224	<0.001	0.012	<0.001	0.0404
MW-1D			0.001	NS	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001
MW-2	<.005	NS	<0.001	NS	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-3	<.005	NS	<0.001	NS	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-4	0.632	NS	0.536	NS	NS	0.389	0.421	0.289	0.439	0.656	1.066
MW-5	0.129/0.019	NS	0.010	NS	NS	0.03	0.026/0.020	0.019/.018	0.035	0.0493	0.564
MW-6	0.100	NS	0.025/0.026	NS	NS	0.01	0.019	0.006	0.007	0.00222	0.052609
MW-7	<.005	NS	<0.001	NS	NS	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
MW-8		0.197	0.035	NS	NS	0.14	FPH	FPH	FPH	FPH	1.168
MW-9		<.005	<0.001	NS	NS	<0.001	0.002	<0.001	0.002	<0.001	<0.001
MW-10		<.100	<0.020	NS	NS	<.025	<0.001	0.023	0.044	0.01127	0.0952
MW-11		0.376	FPH	NS	NS	FPH	FPH	FPH	FPH	FPH	0.79
MW-12		<.100	0.025	NS	NS	0.088	1.069	0.085	0.035	0.0456	0.1033
MW-13		0.432	0.453	NS	NS	0.435	0.298	0.242	0.226	0.1289	0.1961
MW-14		0.0085	<0.010	NS	NS	<0.001	0.001	0.001	0.001	0.001311	.000373
MW-15				<0.001	NS	0.001	0.001	0.001	<0.001	<0.001	0.001181
MW-16				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-17				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-18				0.002	NS	FPH	FPH	0.121	0.011	0.00962	0.0798
MW-19				<0.001	NS	<0.001	0.001	0.001	<0.001	<0.001	.000856
MW-20				<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-21				0.0013/0.012	NS	0.028/0.026	0.037/0.024	0.008/0.008	0.022	0.00558	0.674
MW-22				<0.001	NS	<0.001	<0.001	<0.001	0.002	<0.001	<0.001
MW-23					NS	FPH	FPH	FPH	FPH	FPH	FPH
MW-24					<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-25						0.001/0.001	0.001	<0.001	<0.001	<0.001	<0.001
MW-26						FPH	FPH	FPH	FPH	0.0983	FPH
MW-27						FPH	FPH	FPH	FPH	FPH	FPH
North water well					0.005	0.005	0.003	0.003	0.003	0.0006	0.002887
South water well					<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
West water well					NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
House well					<0.001	0.001	NS	NS	<0.001	<0.001	<0.001
Irrigation Well				0.276						0.4055	0.4783

All units in mg/l
Cells marked with FPH contained free phase hydrocarbons and were not sampled
Cells marked with NW denote wells that were not sampled
Blank cells denote wells that had not been installed

Table 9- Summary of Dissolved Phase Total Xylene Concentrations (continued)

Well	Dec 03/Jan 04	Mar-04	Jun-04
MW-A	0.762	0.564	0.615
MW-B	0.271	0.2542	0.581
MW-C	0.006	0.006176	0.0561
MW-D	0.004	0.003301	0.0106
MW-E	0.007	<0.001	0.00222
MW-F	<0.001	<0.001	<0.001
MW-G	<0.001	<0.001	<0.001
MW-H	<0.001	<0.001	.000749
MW-I	0.003	<0.001	0.002005
MW-J	<0.001	<0.001	<0.001
MW-K	<0.001	<0.005	0.00881
MW-L	<.02	0.0114	.0575
MW-M	<.02	0.0233	0.03794
MW-N	FPH	FPH	
MW-O	<.05	0.01669	0.0554
MW-P	0.018	0.00885	.0237
MW-Q	0.019	0.01009	0.04763
MW-R	0.001	<0.001	0.000825
MW-S	0.001	<0.001	<0.001
MW-T	0.023	0.0093	0.0224
MW-AA	0.007	0.002181	0.00528
MW-BB	0.011	0.0068	
MW-CC	FPH	FPH	
MW-DD	0.059	0.0491	0.083873
MW-EE	FPH	FPH	
MW-FF	<.01	<0.02	0.00435
MW-GG	0.014	0.00877	0.01928
MW-HH	<.01	0.00494	0.0641
MW-II	0.028	0.02362	0.1504
MW-JJ	<.02	0.00471	0.0586
MW-KK	0.013	0.03293	0.02187
MW-LL	0.172	0.104	0.3285
MW-MM	0.009	0.0025	0.018005
MW-NN	0.028	0.0296	.04572
MW-OO	0.455	0.3675	0.638

All units in mg/l
Cells marked with FPH contained free phase hydrocarbons and were not sampled
Cells marked with NW denote wells that were not sampled
Blank cells denote wells that had not been installed

Table 10 - Summary of Principal Ions and Total Dissolved Solids

Well	Date	Calcium	Magnesium	Potassium	Sodium	Total Alkalinity	Chloride	Sulfate	Total Dissolved Solids
MW-1	8/10/2001	84.7	16.7	6.65	36.6	238	59.8	19.6	496
MW-1D	12/10/2003	36.8	4.68	5.61	52.9	20.0	39.0	86	249*
MW-2	8/10/2001	87.5	13.2	6.5	34.9	188	47	70.9	578
MW-3	8/10/2001	70.6	10.9	5.79	25.3	172	29	57.0	432
MW-4	8/10/2001	76.5	15.8	6.28	35.2	230	72	57.2	548
MW-5	8/10/2001	96.0	17.4	8	36.9	232	62.6	37.0	521
MW-6	8/10/2001	93.6	16.2	7.85	35.9	220	70	72.0	573
MW-7	8/10/2001	113	22.5	8.93	56.5	650	120	189	740
MW-8	3/3/2002	129	23.1	<5	48.5	322	69.4	11.9	607
MW-9	3/3/2002	78.5	14.1	5.66	47.1	222	34.8	45.3	484
MW-10	3/3/2002	89.9	20.3	5.29	52.1	278	56	19.0	581
MW-11	3/3/2002	142	22.9	5.48	50.1	316	87.3	12.2	639
MW-12	3/3/2002	99.0	35.1	6.88	125	276	234	32.8	850
MW-13	3/3/2002	103	21.8	7.28	49.9	308	72.4	11.0	547
MW-14	3/3/2002	94.6	20.4	5.62	45.4	322	41	10.8	521
MW-15	10/11/2002	60.5	8.55	4.05	41.5	164	42.5	51	357
MW-16	10/11/2002	49.1	14.2	7.89	56.4	190	55.4	71	426
MW-17	10/11/2002	31.3	14.4	7.12	55.4	196	46.5	66.1	405
MW-18	10/11/2002	26.3	14.8	5.4	78.4	318	62	48.5	529
MW-19	10/11/2002	39.7	14.6	6.84	69.2	272	62	55.3	483
MW-20	10/11/2002	75.1	14.2	6.54	50.8	166	106	67.8	608
MW-21	10/11/2002	64	9.33	3.76	49.9	196	39.9	51.1	385
MW-22	10/11/2002	44.7	9.82	5.25	54.3	234	48.7	42.6	420
MW-24	12/18/2002	138	21.1	6.78	68.5	195	62	93.8	575*
MW-25	2/7/2003	69.9	8.81	4.17	45.2	179	40.8	54.3	290
MW-26	3/23/2004	96.2	14.7	4.05	58.8	282	42.5	40.8	473
North water well	12/18/2002	122	23.1	94.4	7.96	161	111.5	72.8	542*
South water well	12/18/2002	175	25.2	6.84	88.6	229	88.6	104	717*
West water well	12/10/2003	102	16.4	4.42	56.1	186	106	84.6	555*
House well	12/18/2002	161	26.4	6.42	70.4	261	106	31.2	662*
Irrigation well	4/29/2004	74	20.3	4.71	68.2	346	67.9	6.0	587*

Notes: All units mg'l

A total dissolved solid value with an asterisk was calculated as the sum of the primary cations and anions.

Table 10 - Summary of Principal Ions and Total Dissolved Solids (continued)

Well	Date	Calcium	Magnesium	Potassium	Sodium	Total Alkalinity	Chloride	Sulfate	Total Dissolved Solids
MW-A	3/23/2004	97.3	19.5	3.6	65.2	338	69.1	5.9	481
MW-B	3/23/2004	102	21	3.5	66.6	355	62	3.2	532
MW-C	3/23/2004	105	19.6	4.4	57.2	326	78	43.3	573
MW-D	3/23/2004	108	19.1	4.14	73.2	342	58.5	15.3	540
MW-E	3/23/2004	99.1	20.8	4.23	59.3	372	60.3	29.9	502
MW-F	3/23/2004	89.2	15.7	5.62	56.9	268	60.3	63.8	494
MW-G	3/23/2004	61.1	13.4	5.94	64.4	210	42.5	67.9	441
MW-H	3/23/2004	114	22.3	5.3	64.2	342	85.7	56.1	631
MW-I	3/23/2004	102	25.4	3.4	59.4	358	65	19.4	564
MW-J	3/23/2004	110	19.7	5.56	69.2	390	59.1	40.5	600
MW-K	3/23/2004	90.4	18	3.61	49.4	316	59.1	14.8	543
MW-L	3/23/2004	110	23.1	4.25	54.6	366	93.1	18.7	670*
MW-M	3/23/2004	63.7	22	6.49	185	288	175	114	804
MW-N	12/15/2003	70.4	17.4	4.02	58.6	295	70.9	7.1	523*
MW-O	3/23/2004	74.5	19.1	3.76	64.6	331	67.4	1.8	531
MW-P	3/23/2004	75.6	20.4	3.91	64.9	342	67.4	3.3	556
MW-Q	3/23/2004	77.4	21.4	3.71	63.4	341	60.3	2.5	515
MW-R	3/23/2004	70.5	13.8	5.12	58.6	286	42.5	49.2	431
MW-S	3/23/2004	49.2	8.9	4.88	78.7	222	35.4	53.8	400
MW-T	3/23/2004	68.3	18.4	4.16	65.7	342	55	3	490
MW-AA	12/15/2003	74	22	4.88	63.2	344	88.6	20.4	524
MW-BB	12/15/2003	83.2	24.2	6.66	79.4	340	97.5	36.1	624
MW-CC	12/15/2003	77	18.9	5.93	79.5	224	97.5	48.9	552*
MW-DD	3/23/2004	68.4	18.3	3.64	54.4	340	46.1	6.8	473
MW-EE	12/15/2003	105	18.1	4.55	51.5	207	93.1	54.2	533*
MW-FF	3/23/2004	118	27.6	8.79	122	264	301	110	1020
MW-GG	12/15/2003	60.8	20.6	3.57	53.4	280	74.4	20.3	484
MW-HH	12/15/2003	74.7	19.9	4.1	58.6	268	88.6	31.9	621
MW-II	12/15/2003	129	16.4	4.65	59.5	300	81.5	22.9	601
MW-JJ	12/15/2003	81.3	18.9	4.47	54.1	300	93.1	37.9	650
MW-KK	3/23/2004	76.4	14.7	8.67	251	380	117	360	1200
MW-LL	3/23/2004	65.6	16.1	4.6	62.7	296	70.9	5.5	494
MW-MM	3/23/2004	61.9	13	5.73	61	230	49.6	41.4	410
MW-NN	3/23/2004	83.2	20.2	4	70.4	347	69.1	4.8	494
MW-OO	3/23/2004	89	17.1	5.04	65.6	338	62	2.4	474

Notes: All units mg'l

A total dissolved solid value with an asterisk was calculated as the sum of the primary cations and anions.

FIGURES

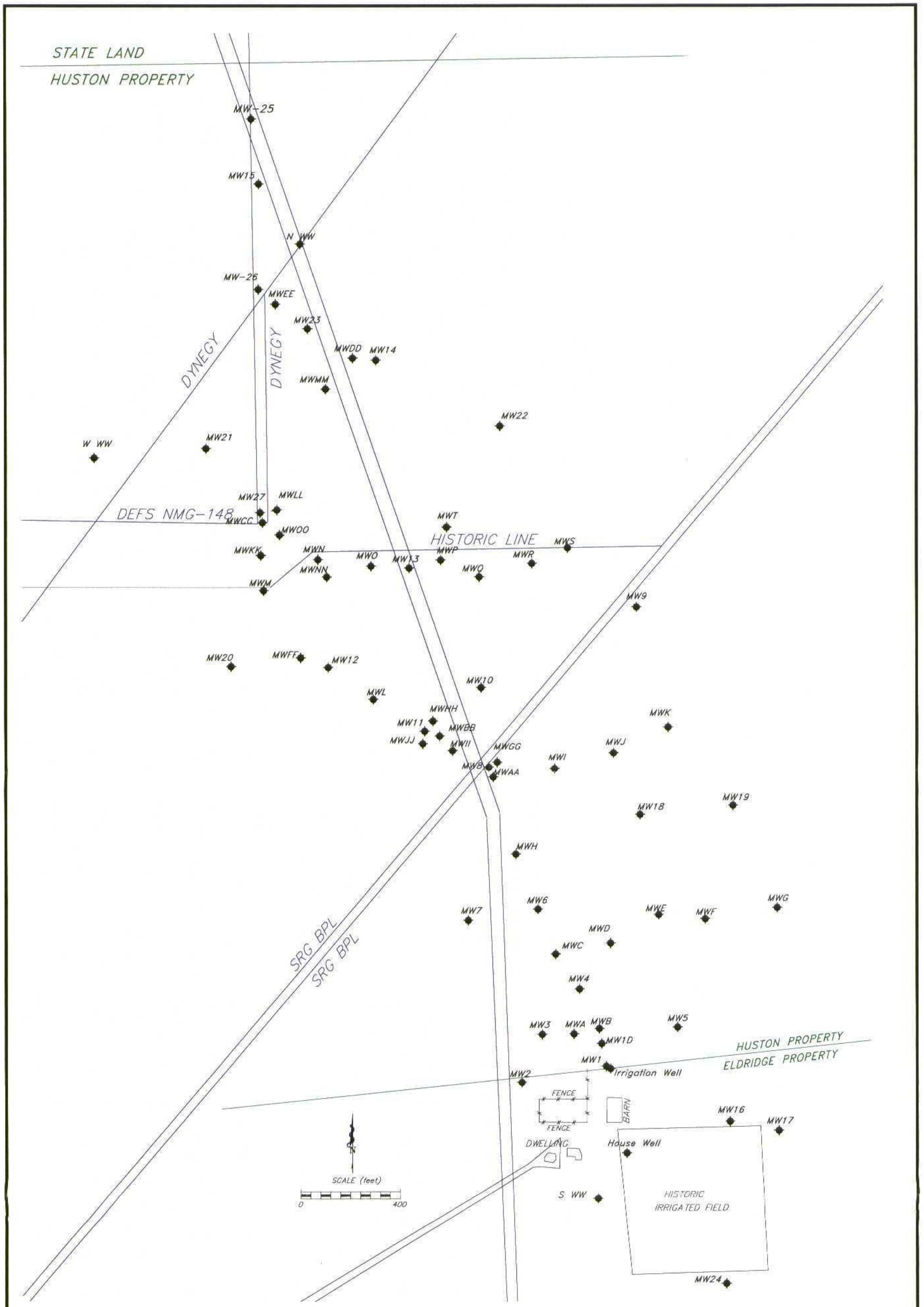


Figure 1 - Monitoring Well and Pipeline Locations

DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS

DATE: 5/04

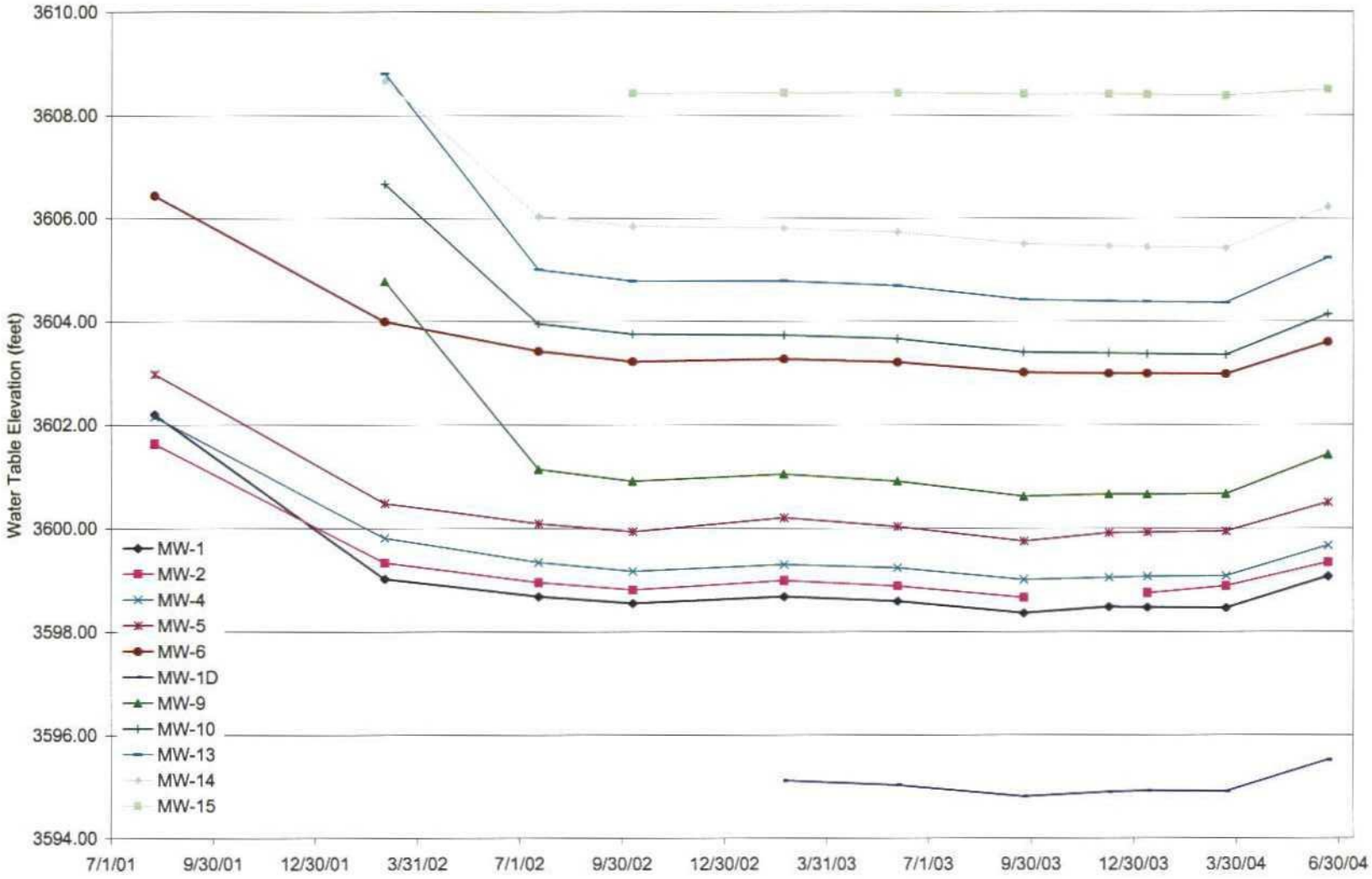


Figure 2 - Hydorgraphs for Wells with Longer Periods of Record

DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS

DATE: 8/04

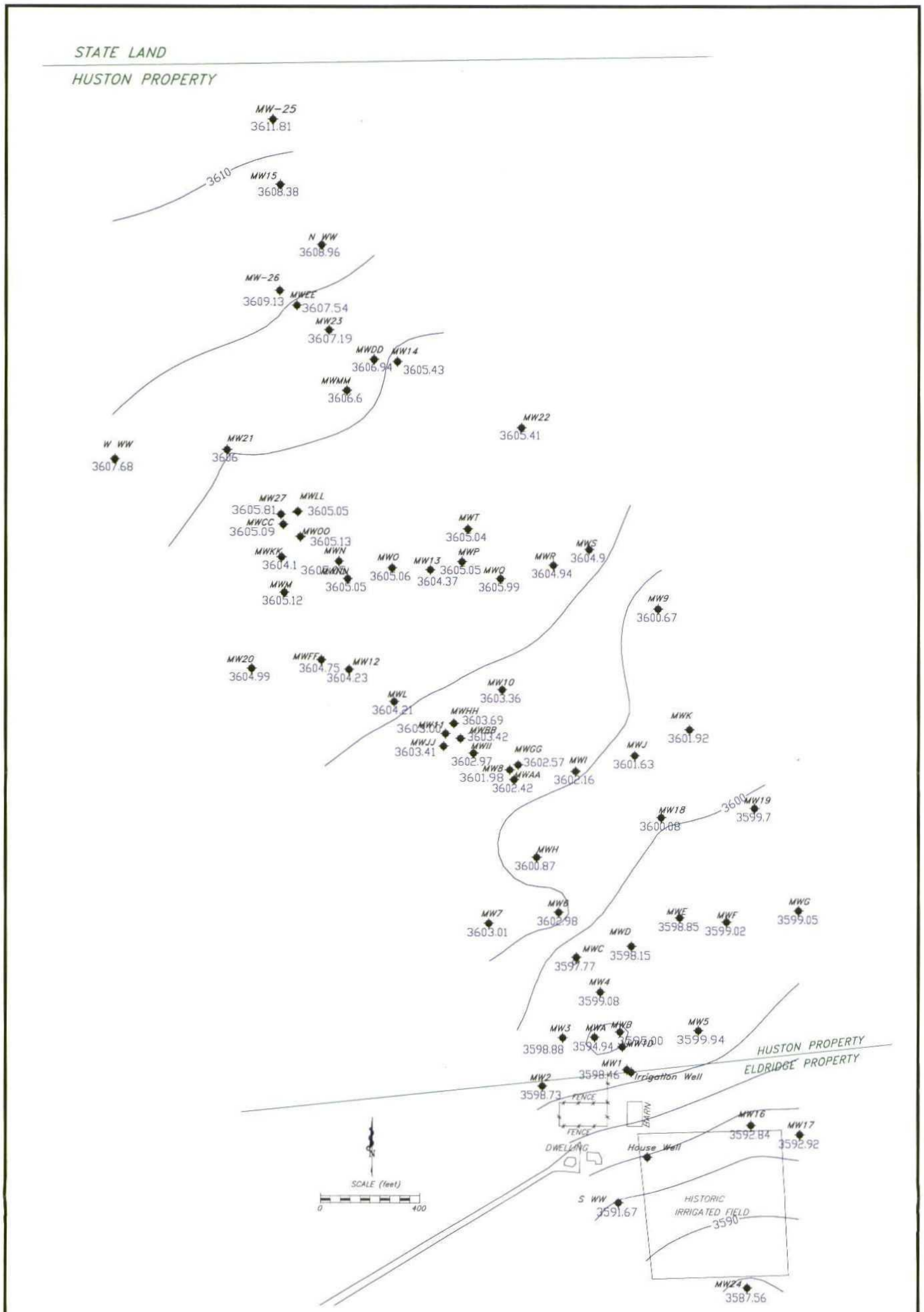


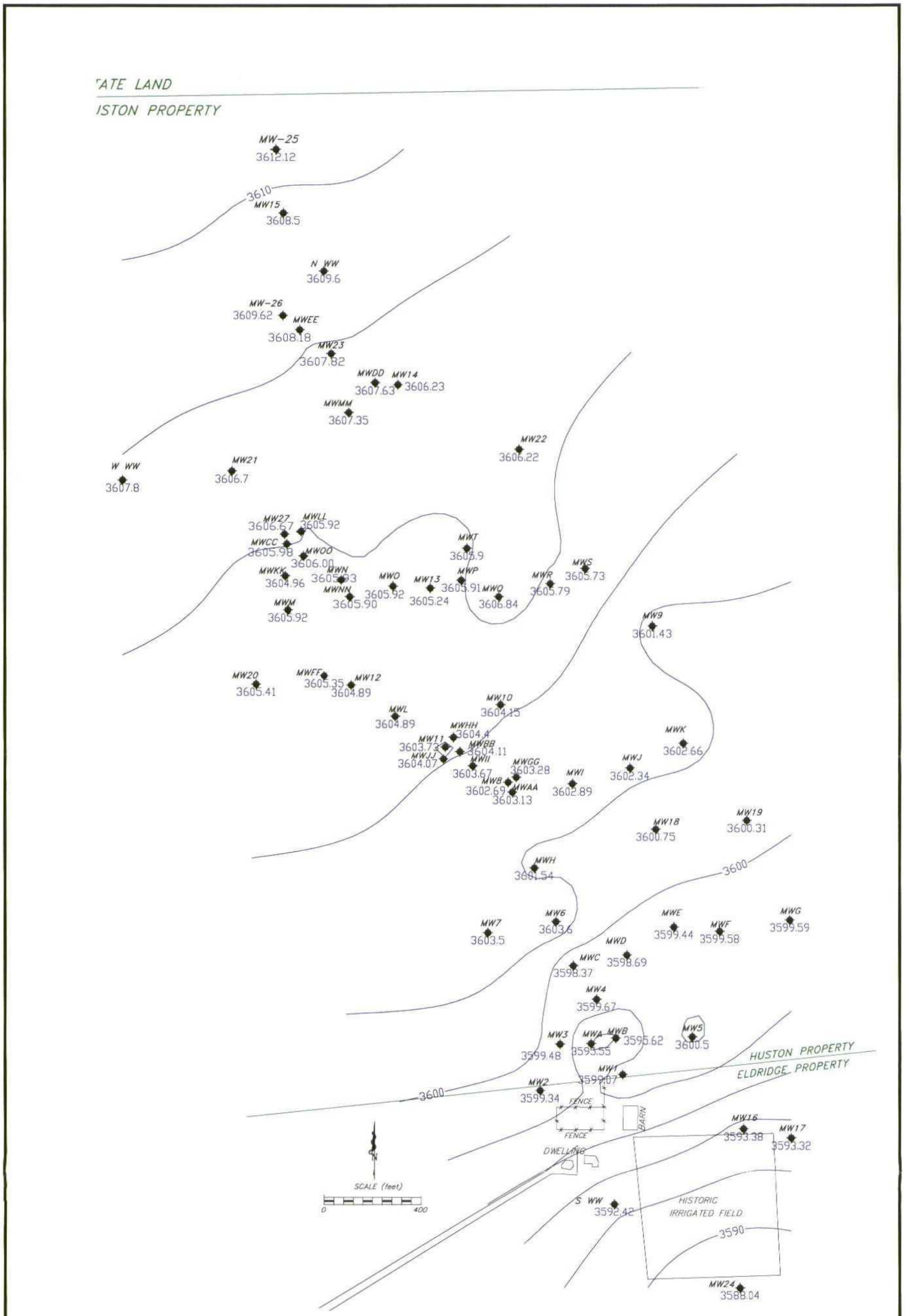
Figure 3 - Corrected March 2004 Water Table Contours

DEFS Eldridge Study Area

Duke Energy Field Services.

DRAWN BY: MHS

DATE: 5/04



CONTOUR INTERVAL IS 2 FEET

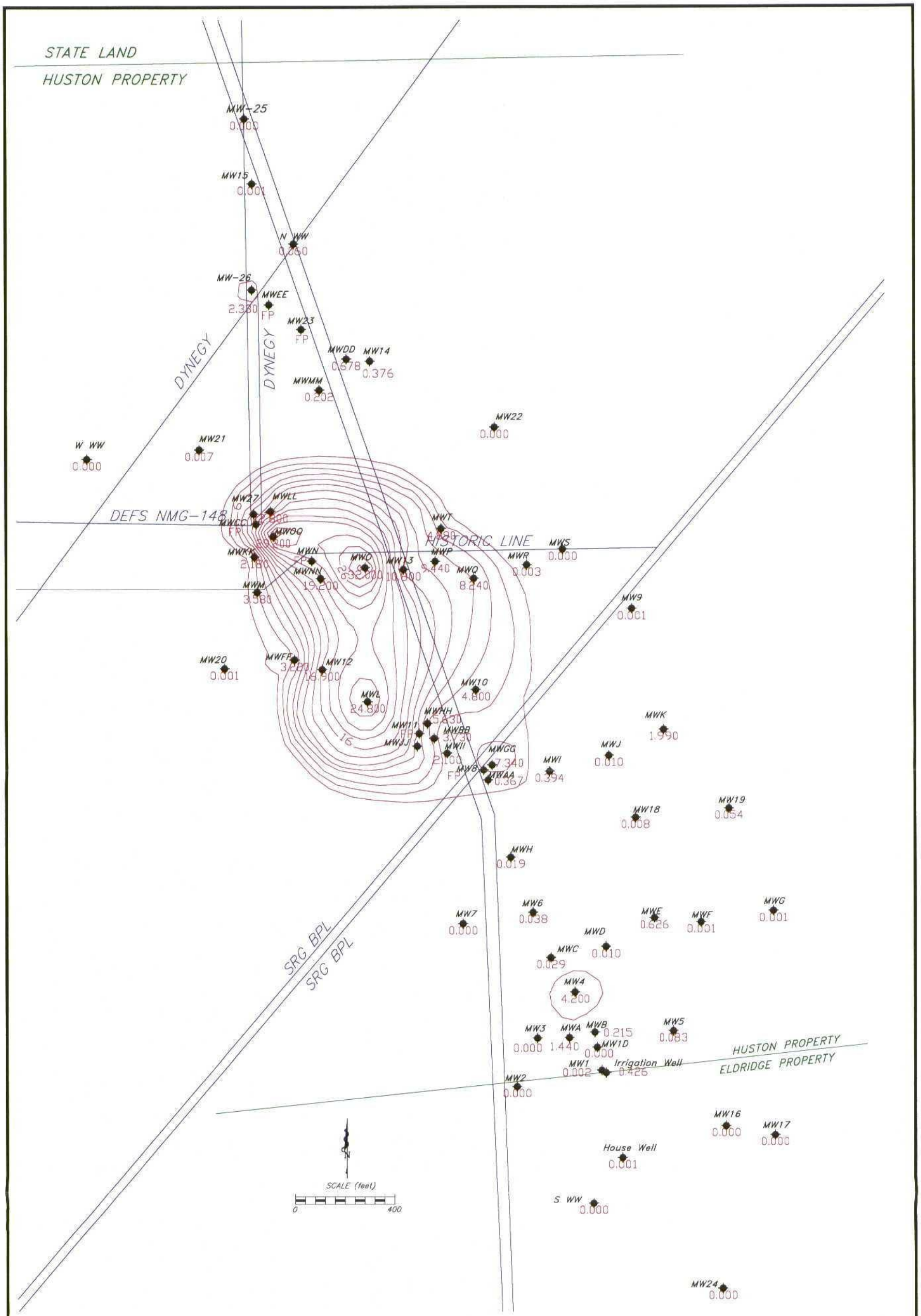
Figure 4 - Corrected June 2004 Water Table Contours

DEFS Eldridge Study Area

Duke Energy Field Services.

DRAWN BY: MHS

DATE: 8/04



CONTOUR INTERVAL IS 2 mg/l beginning at 2 mg/l

Values of 0.000 indicate a location with no detected benzene.

Values with a concentration of 0.000 are nondetects. A value of 0.0005 (½ the nondetect value) was used to contour the data.

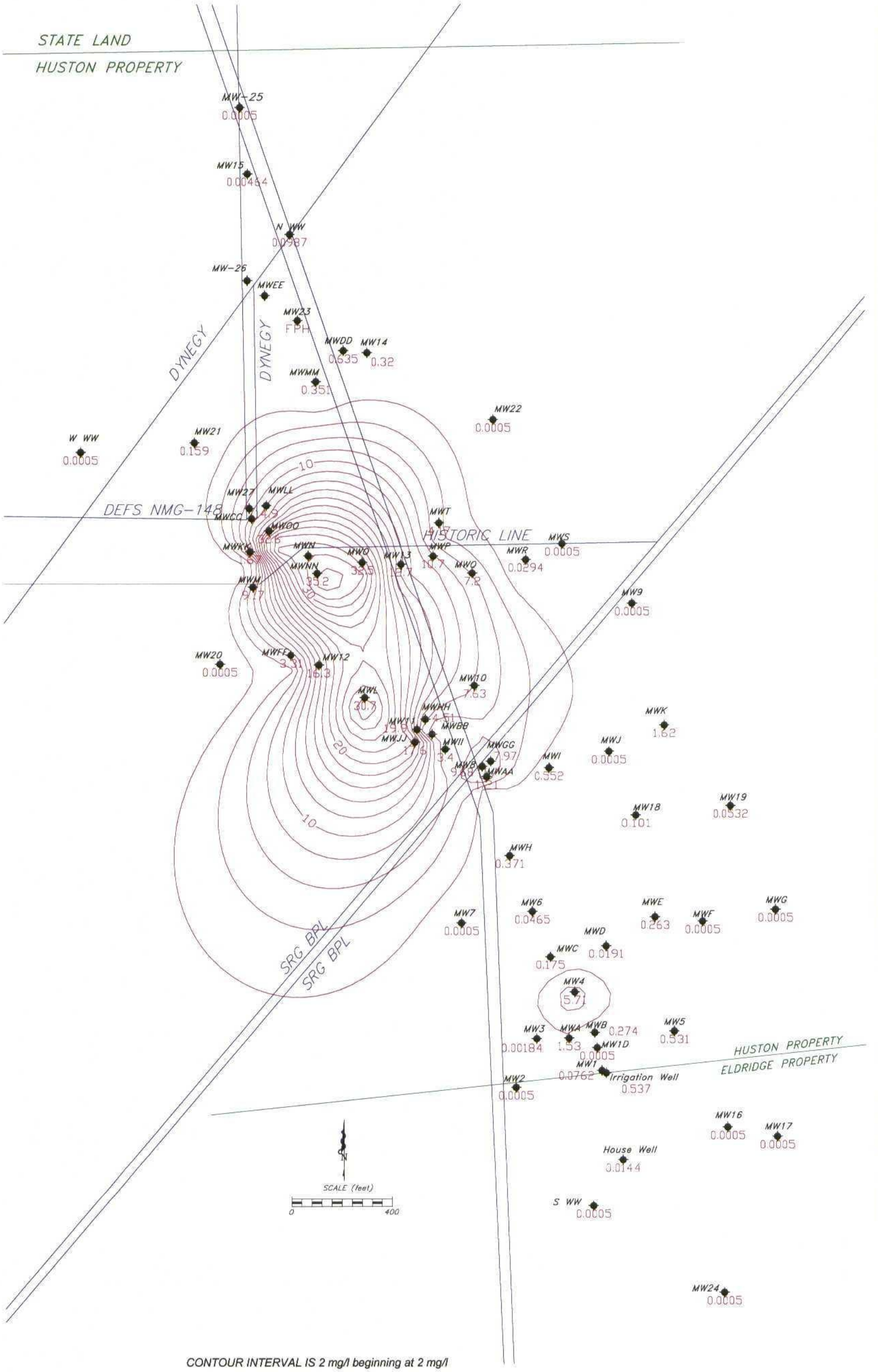
Figure 5 - March 2004 Benzene Isopleth and Plume Areas

DEFS Eldridge Study Area

Duke Energy Field Services

DRAWN BY: MHS

DATE: 5/04



CONTOUR INTERVAL IS 2 mg/l beginning at 2 mg/l

Values of 0.000 indicate a location with no detected benzene.

Values with a concentration of 0.0005 are nondetects. ½ the nondetect value was used to contour the data.

Figure 6 - June 2004 Benzene Isopleth and Plume Areas

DEFS Eldridge Study Area

Duke Energy Field Services.

DRAWN BY: MHS

DATE: 8/04

ANALYTICAL LABORATORY REPORTS

FOR THE

MARCH 2004 AND JUNE 2004
SAMPLING EPISODES

(also includes April 2004 sampling results)

MARCH 2004 LABORATORY REPORTS

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Michael Stewart
REMEDIACON
P.O. Box 302
Evergreen, CO 80437

Project: Duke Energy Field Services-1
Project Number: None Given
Location: DEFS (Eldridge) Ranch

Lab Order Number: 4C24004

Report Date: 03/31/04

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/01/04 16:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
(House) 0403221045	4C24004-01	Water	03/22/04 10:45	03/24/04 08:05
(S. Water Well) 0403221245	4C24004-02	Water	03/22/04 12:45	03/24/04 08:05
(W.Water Well) 0403221705	4C24004-03	Water	03/22/04 17:05	03/24/04 08:05
(N.Water Well) 0403221925	4C24004-04	Water	03/22/04 19:25	03/24/04 08:05
(MW-15) 0403230825	4C24004-05	Water	03/23/04 08:25	03/24/04 08:05
(MW-25) 0403230810	4C24004-06	Water	03/23/04 08:10	03/24/04 08:05
(MW-26) 0403230835	4C24004-07	Water	03/23/04 08:35	03/24/04 08:05
(MW-21) 0403230905	4C24004-08	Water	03/23/04 09:05	03/24/04 08:05
(MW-MM) 0403230930	4C24004-09	Water	03/23/04 09:30	03/24/04 08:05
(MW-DD) 0403230950	4C24004-10	Water	03/23/04 09:50	03/24/04 08:05
(MW-22) 0403231015	4C24004-11	Water	03/23/04 10:15	03/24/04 08:05
(MW-5) 0403231045	4C24004-12	Water	03/23/04 10:45	03/24/04 08:05
(MW-R) 0403231110	4C24004-13	Water	03/23/04 11:10	03/24/04 08:05
(MW-Q) 0403231135	4C24004-14	Water	03/23/04 11:35	03/24/04 08:05
(MW-T) 0403231205	4C24004-15	Water	03/23/04 12:05	03/24/04 08:05
(MW-P) 0403231230	4C24004-16	Water	03/23/04 12:30	03/24/04 08:05
(MW-13) 0403231330	4C24004-17	Water	03/23/04 13:30	03/24/04 08:05
(MW-O) 0403231350	4C24004-18	Water	03/23/04 13:50	03/24/04 08:05
(MW-NN) 0403231410	4C24004-19	Water	03/23/04 14:10	03/24/04 08:05
(MW-OO) 0403231430	4C24004-20	Water	03/23/04 14:30	03/24/04 08:05
(MW-LL) 0403231455	4C24004-21	Water	03/23/04 14:55	03/24/04 08:05
(MW-KK) 0403231525	4C24004-22	Water	03/23/04 15:25	03/24/04 08:05
(MW-M) 0403231600	4C24004-23	Water	03/23/04 16:00	03/24/04 08:05
Duplicate(A) 0403232000	4C24004-24	Water	03/23/04 20:00	03/24/04 08:05
Trip Blank	4C24004-25	Water	03/22/04 20:00	03/24/04 08:05

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	03/31/04 14:54

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(House) 0403221045 (4C24004-01)									
Benzene	J [0.000768]	0.00100	mg/L	1	EC42515	03/24/04	03/24/04	EPA 8021B	J
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.5 %*	*80-120*		"	"	"	"	
(S. Water Well) 0403221245 (4C24004-02)									
Benzene	ND	0.00100	mg/L	1	EC42515	03/24/04	03/24/04	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		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*80-120*		"	"	"	"	
(W.Water Well) 0403221705 (4C24004-03)									
Benzene	ND	0.00100	mg/L	1	EC42515	03/24/04	03/24/04	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		*109 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.0 %*	*80-120*		"	"	"	"	
(N.Water Well) 0403221925 (4C24004-04)									
Benzene	**0.0599**	0.00100	mg/L	1	EC42515	03/24/04	03/24/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	J [0.000564]	0.00100	"	"	"	"	"	"	J
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*405 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/01/04 17:16

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-15) 0403230825 (4C24004-05)									
Benzene	**0.00116**	0.00100	mg/L	1	EC42515	03/24/04	03/24/04	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		*293 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*85.0 %*	*80-120*		"	"	"	"	
(MW-25) 0403230810 (4C24004-06)									
Benzene	ND	0.00100	mg/L	1	EC42515	03/24/04	03/24/04	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		*99.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.5 %*	*80-120*		"	"	"	"	
(MW-26) 0403230835 (4C24004-07)									
Benzene	**2.33**	0.00500	mg/L	5	EC42515	03/24/04	03/24/04	EPA 8021B	
Toluene	**0.570**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.0443**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.0791**	0.00500	"	"	"	"	"	"	
Xylene (o)	**0.0192**	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*237 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*89.0 %*	*80-120*		"	"	"	"	
(MW-21) 0403230905 (4C24004-08)									
Benzene	**0.00718**	0.00100	mg/L	1	EC42515	03/24/04	03/24/04	EPA 8021B	
Toluene	**0.00325**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00195**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00471**	0.00100	"	"	"	"	"	"	
Xylene (o)	J [0.000865]	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*300 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*88.0 %*	*80-120*		"	"	"	"	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	03/31/04 14:54

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-MM) 0403230930 (4C24004-09)									
Benzene	**0.202**	0.00100	mg/L	1	EC42515	03/24/04	03/24/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00205**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00250**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*152 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*89.5 %*	*80-120*		"	"	"	"	
(MW-DD) 0403230950 (4C24004-10)									
Benzene	**0.678**	0.00500	mg/L	5	EC42515	03/24/04	03/24/04	EPA 8021B	
Toluene	J [0.00244]	0.00500	"	"	"	"	"	"	J
Ethylbenzene	**0.0152**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.0491**	0.00500	"	"	"	"	"	"	
Xylene (o)	ND	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*199 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*184 %*	*80-120*		"	"	"	"	*S-04*
(MW-22) 0403231015 (4C24004-11)									
Benzene	ND	0.00100	mg/L	1	EC42515	03/24/04	03/24/04	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		*95.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*80-120*		"	"	"	"	
(MW-5) 0403231045 (4C24004-12)									
Benzene	ND	0.00100	mg/L	1	EC42515	03/24/04	03/24/04	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		*95.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.0 %*	*80-120*		"	"	"	"	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/01/04 16:53

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-R) 0403231110 (4C24004-13)									
Benzene	**0.00283**	0.00100	mg/L	1	EC42515	03/24/04	03/24/04	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		*88.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.0 %*	*80-120*		"	"	"	"	
(MW-Q) 0403231135 (4C24004-14)									
Benzene	**8.24**	0.0100	mg/L	10	EC43101	03/25/04	03/25/04	EPA 8021B	
Toluene	**0.0127**	0.0100	"	"	"	"	"	"	
Ethylbenzene	J [0.00636]	0.0100	"	"	"	"	"	"	J
Xylene (p/m)	J [0.00829]	0.0100	"	"	"	"	"	"	J
Xylene (o)	J [0.00180]	0.0100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*150 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*93.0 %*	*80-120*		"	"	"	"	
(MW-T) 0403231205 (4C24004-15)									
Benzene	**4.89**	0.0100	mg/L	10	EC43101	03/25/04	03/25/04	EPA 8021B	
Toluene	J [0.00278]	0.0100	"	"	"	"	"	"	J
Ethylbenzene	J [0.00519]	0.0100	"	"	"	"	"	"	J
Xylene (p/m)	J [0.00926]	0.0100	"	"	"	"	"	"	J
Xylene (o)	ND	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*124 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*80-120*		"	"	"	"	
(MW-P) 0403231230 (4C24004-16)									
Benzene	**9.44**	0.00500	mg/L	5	EC43101	03/25/04	03/25/04	EPA 8021B	
Toluene	**0.0125**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.0153**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.00721**	0.00500	"	"	"	"	"	"	
Xylene (o)	J [0.00164]	0.00500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*254 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	03/31/04 14:54

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-13) 0403231330 (4C24004-17)									
Benzene	**10.8**	0.0100	mg/L	10	EC43101	03/25/04	03/25/04	EPA 8021B	
Toluene	**0.384**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.0815**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.109**	0.0100	"	"	"	"	"	"	
Xylene (o)	**0.0199**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*346 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*80-120*		"	"	"	"	
(MW-O) 0403231350 (4C24004-18)									
Benzene	**32.0**	0.0200	mg/L	20	EC43101	03/25/04	03/25/04	EPA 8021B	
Toluene	**0.0505**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**0.0551**	0.0200	"	"	"	"	"	"	
Xylene (p/m)	J [0.0132]	0.0200	"	"	"	"	"	"	J
Xylene (o)	J [0.00349]	0.0200	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*204 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*80-120*		"	"	"	"	
(MW-NN) 0403231410 (4C24004-19)									
Benzene	**19.2**	0.00500	mg/L	5	EC43101	03/25/04	03/25/04	EPA 8021B	
Toluene	J [0.00360]	0.00500	"	"	"	"	"	"	J
Ethylbenzene	**0.167**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.0296**	0.00500	"	"	"	"	"	"	
Xylene (o)	ND	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*289 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*134 %*	*80-120*		"	"	"	"	*S-04*
(MW-OO) 0403231430 (4C24004-20)									
Benzene	**29.2**	0.0500	mg/L	50	EC43101	03/25/04	03/25/04	EPA 8021B	
Toluene	**3.28**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.168**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**0.306**	0.0500	"	"	"	"	"	"	
Xylene (o)	**0.0615**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*168 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*80-120*		"	"	"	"	

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Roland K Faul

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/01/04 16:53

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-LL) 0403231455 (4C24004-21)									
Benzene	**12.8**	0.0250	mg/L	25	EC43101	03/25/04	03/25/04	EPA 8021B	
Toluene	**0.106**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0958**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0958**	0.0250	"	"	"	"	"	"	
Xylene (o)	J [0.00820]	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*145 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*80-120*		"	"	"	"	
(MW-KK) 0403231525 (4C24004-22)									
Benzene	**2.18**	0.00500	mg/L	5	EC43101	03/25/04	03/25/04	EPA 8021B	
Toluene	**0.531**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.0144**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.0247**	0.00500	"	"	"	"	"	"	
Xylene (o)	**0.00823**	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*178 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*80-120*		"	"	"	"	
(MW-M) 0403231600 (4C24004-23)									
Benzene	**3.58**	0.0100	mg/L	10	EC43101	03/25/04	03/25/04	EPA 8021B	
Toluene	**0.175**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.0356**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.0151**	0.0100	"	"	"	"	"	"	
Xylene (o)	J [0.00820]	0.0100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*165 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*84.0 %*	*80-120*		"	"	"	"	
Duplicate(A) 0403232000 (4C24004-24)									
Benzene	**0.00511**	0.00100	mg/L	1	EC43101	03/25/04	03/25/04	EPA 8021B	
Toluene	**0.00258**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00276**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00664**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.00124**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*382 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*88.5 %*	*80-120*		"	"	"	"	

Environmental Lab of Texas

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	03/31/04 14:54

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (4C24004-25)									
Benzene	ND	0.00100	mg/L	1	EC43101	03/25/04	03/25/04	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		*115 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.5 %*		*80-120*	"	"	"	"	

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	03/31/04 14:54

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-26) 0403230835 (4C24004-07)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	282	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	42.5	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	473	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	40.8	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	
(MW-MM) 0403230930 (4C24004-09)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	230	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	49.6	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	410	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	41.4	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	
(MW-DD) 0403230950 (4C24004-10)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	340	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	46.1	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	473	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	6.80	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	
(MW-5) 0403231045 (4C24004-12)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	222	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	35.4	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	400	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	53.8	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	
(MW-R) 0403231110 (4C24004-13)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	286	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	42.5	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	431	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	49.2	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	

Environmental Lab of Texas

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/01/04 16:53

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-Q) 0403231135 (4C24004-14)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	**341**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**60.3**	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**515**	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	**2.50**	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	
(MW-T) 0403231205 (4C24004-15)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	**342**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**55.0**	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**490**	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	**3.00**	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	
(MW-P) 0403231230 (4C24004-16)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	**342**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**67.4**	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**556**	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	**3.30**	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	
(MW-O) 0403231350 (4C24004-18)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	**331**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**67.4**	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**531**	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	**1.80**	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	
(MW-NN) 0403231410 (4C24004-19)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	**347**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**69.1**	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**494**	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	**4.80**	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	

Environmental Lab of Texas

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-I	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	03/31/04 14:54

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-NN) 0403231410 (4C24004-19)									
(MW-OO) 0403231430 (4C24004-20)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	**338**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**62.0**	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**474**	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	**2.40**	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	
(MW-LL) 0403231455 (4C24004-21)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	**296**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**70.9**	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**494**	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	**5.50**	0.500	"	"	EC43103	03/27/04	03/27/04	EPA 375.4	
(MW-KK) 0403231525 (4C24004-22)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	**380**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**117**	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**1200**	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	**360**	2.50	"	5	EC43103	03/27/04	03/27/04	EPA 375.4	
(MW-M) 0403231600 (4C24004-23)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC43104	03/25/04	03/25/04	EPA 310.2M	
Bicarbonate Alkalinity	**288**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**175**	5.00	"	"	EC43003	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**804**	5.00	"	"	EC42902	03/29/04	03/29/04	EPA 160.1	
Sulfate	**114**	1.00	"	2	EC43103	03/27/04	03/27/04	EPA 375.4	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/01/04 16:53

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-26) 0403230835 (4C24004-07)									
Calcium	96.2	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	14.7	0.0100	"	"	"	"	"	"	
Potassium	4.05	0.0500	"	1	"	"	03/25/04	"	
Sodium	58.8	0.100	"	10	"	"	03/25/04	"	
(MW-MM) 0403230930 (4C24004-09)									
Calcium	61.9	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	13.0	0.0100	"	"	"	"	"	"	
Potassium	5.73	0.0500	"	1	"	"	03/25/04	"	
Sodium	61.0	0.100	"	10	"	"	03/25/04	"	
(MW-DD) 0403230950 (4C24004-10)									
Calcium	68.4	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	18.3	0.0100	"	"	"	"	"	"	
Potassium	3.64	0.0500	"	1	"	"	03/25/04	"	
Sodium	54.4	0.100	"	10	"	"	03/25/04	"	
(MW-5) 0403231045 (4C24004-12)									
Calcium	49.2	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	8.90	0.00100	"	1	"	"	03/25/04	"	
Potassium	4.88	0.0500	"	"	"	"	"	"	
Sodium	78.7	0.100	"	10	"	"	03/25/04	"	
(MW-R) 0403231110 (4C24004-13)									
Calcium	70.5	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	13.8	0.0100	"	"	"	"	"	"	
Potassium	5.12	0.0500	"	1	"	"	03/25/04	"	
Sodium	58.6	0.100	"	10	"	"	03/25/04	"	
(MW-Q) 0403231135 (4C24004-14)									
Calcium	77.4	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	21.4	0.0100	"	"	"	"	"	"	
Potassium	3.71	0.0500	"	1	"	"	03/25/04	"	
Sodium	63.4	0.100	"	10	"	"	03/25/04	"	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	03/31/04 14:54

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-T) 0403231205 (4C24004-15)									
Calcium	68.3	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	18.4	0.0100	"	"	"	"	"	"	
Potassium	4.16	0.0500	"	1	"	"	03/25/04	"	
Sodium	65.7	0.100	"	10	"	"	03/25/04	"	
(MW-P) 0403231230 (4C24004-16)									
Calcium	75.6	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	20.4	0.0100	"	"	"	"	"	"	
Potassium	3.91	0.0500	"	1	"	"	03/25/04	"	
Sodium	64.9	0.100	"	10	"	"	03/25/04	"	
(MW-O) 0403231350 (4C24004-18)									
Calcium	74.5	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	19.1	0.0100	"	"	"	"	"	"	
Potassium	3.76	0.0500	"	1	"	"	03/25/04	"	
Sodium	64.6	0.100	"	10	"	"	03/25/04	"	
(MW-NN) 0403231410 (4C24004-19)									
Calcium	83.2	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	20.2	0.0100	"	"	"	"	"	"	
Potassium	4.00	0.0500	"	1	"	"	03/25/04	"	
Sodium	70.4	0.100	"	10	"	"	03/25/04	"	
(MW-OO) 0403231430 (4C24004-20)									
Calcium	89.0	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	17.1	0.0100	"	"	"	"	"	"	
Potassium	5.04	0.0500	"	1	"	"	03/25/04	"	
Sodium	65.6	0.100	"	10	"	"	03/25/04	"	
(MW-LL) 0403231455 (4C24004-21)									
Calcium	65.6	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	16.1	0.0100	"	"	"	"	"	"	
Potassium	4.60	0.0500	"	1	"	"	03/25/04	"	
Sodium	62.7	0.100	"	10	"	"	03/25/04	"	

Environmental Lab of Texas

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	03/31/04 14:54

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-KK) 0403231525 (4C24004-22)									
Calcium	**76.4**	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	**14.7**	0.0100	"	"	"	"	"	"	
Potassium	**8.67**	0.0500	"	1	"	"	03/25/04	"	
Sodium	**251**	1.00	"	100	"	"	03/25/04	"	
(MW-M) 0403231600 (4C24004-23)									
Calcium	**63.7**	0.100	mg/L	10	EC42517	03/25/04	03/25/04	EPA 6010B	
Magnesium	**22.0**	0.0100	"	"	"	"	"	"	
Potassium	**6.49**	0.0500	"	1	"	"	03/25/04	"	
Sodium	**185**	1.00	"	100	"	"	03/25/04	"	

Environmental Lab of Texas

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	03/31/04 14:54

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 EC42515 - EPA 5030C (GC)										
Blank (EC42515-BLK1)				Prepared & Analyzed: 03/24/04						
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	*22.3*		*ug/l*	*20.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*16.8*		*"*	*20.0*		*84.0*	*80-120*			
LCS (EC42515-BS1)				Prepared & Analyzed: 03/24/04						
Benzene	80.1		ug/l	100		80.1	80-120			
Toluene	82.3		"	100		82.3	80-120			
Ethylbenzene	82.1		"	100		82.1	80-120			
Xylene (p/m)	172		"	200		86.0	80-120			
Xylene (o)	86.6		"	100		86.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*17.1*		*"*	*20.0*		*85.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*16.5*		*"*	*20.0*		*82.5*	*80-120*			
Calibration Check (EC42515-CCV1)				Prepared & Analyzed: 03/24/04						
Benzene	80.7		ug/l	100		80.7	80-120			
Toluene	82.0		"	100		82.0	80-120			
Ethylbenzene	83.2		"	100		83.2	80-120			
Xylene (p/m)	169		"	200		84.5	80-120			
Xylene (o)	86.6		"	100		86.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*17.0*		*"*	*20.0*		*85.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*18.4*		*"*	*20.0*		*92.0*	*80-120*			
Duplicate (EC42515-DUP1)	**Source: 4C24003-04**			Prepared & Analyzed: 03/24/04						
Benzene	0.0100	0.00100	mg/L		0.0110			9.52	20	
Toluene	0.00791	0.00100	"		0.00875			10.1	20	
Ethylbenzene	ND	0.00100	"		ND				20	
Xylene (p/m)	0.00170	0.00100	"		0.00150			12.5	20	
Xylene (o)	ND	0.00100	"		ND				20	
Surrogate: a,a,a-Trifluorotoluene	*29.4*		*ug/l*	*20.0*		*147*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*17.4*		*"*	*20.0*		*87.0*	*80-120*			

Environmental Lab of Texas

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/01/04 16:53

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 EC43101 - EPA 5030C (GC)										
Blank (EC43101-BLK1)				Prepared & Analyzed: 03/25/04						
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	*23.0*		*ug/l*	*20.0*		*115*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*18.4*		"	*20.0*		*92.0*	*80-120*			
LCS (EC43101-BS1)				Prepared & Analyzed: 03/25/04						
Benzene	96.7		ug/l	100		96.7	80-120			
Toluene	97.8		"	100		97.8	80-120			
Ethylbenzene	97.5		"	100		97.5	80-120			
Xylene (p/m)	202		"	200		101	80-120			
Xylene (o)	91.6		"	100		91.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*20.6*		"	*20.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*17.5*		"	*20.0*		*87.5*	*80-120*			
LCS Dup (EC43101-BSD1)				Prepared & Analyzed: 03/25/04						
Benzene	91.8		ug/l	100		91.8	80-120	5.20	20	
Toluene	104		"	100		104	80-120	6.14	20	
Ethylbenzene	103		"	100		103	80-120	5.49	20	
Xylene (p/m)	217		"	200		108	80-120	6.70	20	
Xylene (o)	109		"	100		109	80-120	17.3	20	
Surrogate: a,a,a-Trifluorotoluene	*22.8*		"	*20.0*		*114*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.8*		"	*20.0*		*114*	*80-120*			
Calibration Check (EC43101-CCV1)				Prepared & Analyzed: 03/25/04						
Benzene	96.7		ug/l	100		96.7	80-120			
Toluene	104		"	100		104	80-120			
Ethylbenzene	97.2		"	100		97.2	80-120			
Xylene (p/m)	205		"	200		102	80-120			
Xylene (o)	101		"	100		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	*23.1*		"	*20.0*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*		"	*20.0*		*120*	*80-120*			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory.. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	03/31/04 14:54

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 EC43101 - EPA 5030C (GC)										
Duplicate (EC43101-DUP1)		**Source: 4C24004-21**		Prepared & Analyzed: 03/25/04						
Benzene	13.1	0.0250	mg/L		12.8			2.32	20	
Toluene	0.130	0.0250	"		0.106			20.3	20	QR-03
Ethylbenzene	0.101	0.0250	"		0.0958			5.28	20	
Xylene (p/m)	0.0891	0.0250	"		0.0958			7.25	20	
Xylene (o)	J [0.00702]	0.0250	"		0.00820			15.5	20	J
Surrogate: a,a,a-Trifluorotoluene	*25.3*		*ug/l*	*20.0*		*126*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*19.5*		*"*	*20.0*		*97.5*	*80-120*			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory.. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Roland K Tuttle

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	04/02/04 08:31

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC42902 - General Preparation (WetChem)										
Blank (EC42902-BLK1)				Prepared & Analyzed: 03/29/04						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EC42902-DUP1)	Source: 4C24004-07			Prepared & Analyzed: 03/29/04						
Total Dissolved Solids	465	5.00	mg/L		473			1.71	20	
Batch EC43003 - General Preparation (WetChem)										
Blank (EC43003-BLK1)				Prepared & Analyzed: 03/27/04						
Chloride	ND	5.00	mg/L							
Matrix Spike (EC43003-MS1)	Source: 4C24004-07			Prepared & Analyzed: 03/27/04						
Chloride	144	5.00	mg/L	100	42.5	102	80-120			
Matrix Spike Dup (EC43003-MSD1)	Source: 4C24004-07			Prepared & Analyzed: 03/27/04						
Chloride	142	5.00	mg/L	100	42.5	99.5	80-120	1.40	20	
Reference (EC43003-SRM1)				Prepared & Analyzed: 03/27/04						
Chloride	4960		mg/L	5000		99.2	80-120			
Batch EC43103 - General Preparation (WetChem)										
Blank (EC43103-BLK1)				Prepared & Analyzed: 03/27/04						
Sulfate	ND	0.500	mg/L							
Calibration Check (EC43103-CCV1)				Prepared & Analyzed: 03/27/04						
Sulfate	48.8		mg/L	50.0		97.6	80-120			

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/02/04 09:23

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC43103 - General Preparation (WetChem)										
Duplicate (EC43103-DUP1)		**Source: 4C24004-07**		Prepared & Analyzed: 03/27/04						
Sulfate	42.3	0.500	mg/L		40.8			3.61	20	
Batch EC43104 - General Preparation (WetChem)										
Blank (EC43104-BLK1)				Prepared & Analyzed: 03/25/04						
Carbonate Alkalinity	ND	0.100	mg/L							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							
Duplicate (EC43104-DUP1)		**Source: 4C24004-07**		Prepared & Analyzed: 03/25/04						
Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	284	2.00	"		282			0.707	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	
Reference (EC43104-SRM1)				Prepared & Analyzed: 03/25/04						
Carbonate Alkalinity	0.0496	0.100	mg/L	0.0500		99.2	80-120			

Environmental Lab of Texas

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/02/04 08:31

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC42517 - General Preparation (Metals)										
Blank (EC42517-BLK1)				Prepared & Analyzed: 03/25/04						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EC42517-CCV1)				Prepared & Analyzed: 03/25/04						
Calcium	1.88		mg/L	2.00		94.0	85-115			
Magnesium	1.99		"	2.00		99.5	85-115			
Potassium	1.72		"	2.00		86.0	85-115			
Sodium	1.79		"	2.00		89.5	85-115			
Duplicate (EC42517-DUP1)	Source: 4C24004-07			Prepared & Analyzed: 03/25/04						
Calcium	83.1	0.100	mg/L		96.2			14.6	20	
Magnesium	12.8	0.0100	"		14.7			13.8	20	
Potassium	4.03	0.0500	"		4.05			0.495	20	
Sodium	49.7	0.100	"		58.8			16.8	20	

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services-1	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/02/04 08:31

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

Quality Assurance Review

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

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: Mike Stewart
Company Name: Remediacon, Inc
Company Address: P.O. 302
City/State/Zip: Evergreen, CO 80437
Telephone No: 303-674-4370 Fax No:
Sampler Signature: John Fergerson

Project Name: Duke Energy Field Service
Project #:
Project Loc: DEFS (Eldridge) Ranch
PO #:

Page 1 of 3

4C24004

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl 40x Glass	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None L HDPE	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: 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.	TDS			RUSH TAT (Pre-Schedule)	Standard TAT
-01	(House) 040322 1045	3/22/04	1045	2	✓		✓					✓											✓							✓
-02	(S. Water Well) 040322 1245	3/22/04	1245	2	✓		✓					✓											✓							✓
-03	(W. Water Well) 040322 1705	3/22/04	1705	2	✓		✓					✓											✓							✓
-04	(N. Water Well) 040322 1925	3/22/04	1925	2	✓		✓					✓											✓							✓
-05	(MW-15) 040323 0825	3/23/04	0825	2	✓		✓					✓											✓							✓
-06	(MW-25) 040323 0810	3/23/04	0810	2	✓		✓					✓											✓							✓
-07	(MW-26) 040323 0835	3/23/04	0835	3	✓		✓			✓		✓					✓	✓					✓			✓				✓
-08	(MW-21) 040323 0905	3/23/04	0905	2	✓		✓					✓											✓							✓
-09	(MW-MN) 040323 0930	3/23/04	0930	3	✓		✓			✓		✓					✓	✓					✓			✓				✓
-10	(MW-DD) 040323 0950	3/23/04	0950	3	✓		✓			✓		✓					✓	✓					✓			✓				✓

Special Instructions: Fax Copy of CoC to J. Fergerson @ 262-5216
Invoice: Steve Weathers – Duke Energy Field Services

Sample Containers Intact? Y N
Temperature Upon Receipt: —1.5°C
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
John Fergerson	3/24/04	0630			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Drop Box	03-24-04	0805	Jeanne McMurrey	03-24-04	0805

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: Mike Stewart
Company Name: Remediacon, Inc
Company Address: P.O. Box 302
City/State/Zip: Evergreen, CO 80437
Telephone No: 303-674-4370 Fax No:
Sampler Signature: John Ferguson

Project Name: Duke Energy Field Services
Project #:
Project Loc: DEFS (Eldridge) Ranch
PO #:

Page 2 of 3

4C24004

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl 40mL glass	NaOH	H_2SO_4	None L HDPE	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	TOTAL: Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M	TDS	RUSH TAT (Pre-Schedule)	Standard TAT
-11	(MW-22) 040323 1015	3/23/04	1015	2	✓		✓					✓											✓					✓
-12	(MW-S) 040323 1045	3/23/04	1045	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-13	(MW-R) 040323 1110	3/23/04	1110	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-14	(MW-Q) 040323 1135	3/23/04	1135	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-15	(MW-T) 040323 1205	3/23/04	1205	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-16	(MW-P) 040323 1230	3/23/04	1230	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
17	(MW-B) 040323 1330	3/23/04	1330	2	✓		✓					✓											✓					✓
-18	(MW-O) 040323 1350	3/23/04	1350	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-19	(MW-NN) 040323 1410	3/23/04	1410	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-20	(MW-OO) 040323 1430	3/23/04	1430	3	✓		✓			✓		✓					✓	✓					✓			✓		✓

Special Instructions: Copy of CoC to J. Fergerson @ 262-5216
Invoice: Steve Weathers - Duke Energy Field Services

Relinquished by:	Date	Time	Received by:	Date	Time
John Ferguson	3/24/04	0630			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Drop Box	03-24-04	0805	Jeanne McMurray	03-24-04	0805

Sample Containers Intact? Y N
Temperature Upon Receipt: -1.5°C
Laboratory Comments:

Apr 02 04 11:21a

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: Mike Stewart
Company Name: Remediacon, Inc
Company Address: P.O. 307
City/State/Zip: Evergreen, CO 80437
Telephone No: 303-674-4370
Fax No:
Sampler Signature: John Ferguson

Project Name: Duke Energy Field Services
Project #:
Project Loc: DEFS (Eldridge) Ranch
PO #:

Page 3 of 3

4C24004

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl 40mL glass	NaOH	H_2SO_4	None L HDPE	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.	TDS			RUSH TAT (Pre-Schedule)	Standard TAT
-21	(MW-LL) 040323 1455	3/23/04	1455	3	✓		✓			✓		✓					✓	✓					✓			✓				✓
-22	(MW-KK) 040323 1525	3/23/04	1525	3	✓		✓			✓		✓					✓	✓					✓			✓				✓
-23	(MW-M) 040323 1600	3/23/04	1600	3	✓		✓			✓		✓					✓	✓					✓			✓				✓
-24	(Duplicate "A") 040323 2000	3/23/04	2000	2	✓		✓					✓											✓							✓
-25	Trip Blank			2	✓		✓					✓											✓							✓

Special Instructions: Fax Copy of CoC to J. Ferguson @ 262-5216
Invoice To: Steve Weathers - Duke Energy Field Services

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
-1.5°C

Relinquished by:	Date	Time	Received by:	Date	Time
John Ferguson	3/24/03	0630			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Drop Box	032404	0805	Jeanne McMurrey	03-24-04	0805

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Michael Stewart
REMEDIACON
P.O. Box 302
Evergreen, CO 80437

Project: Duke Energy Field Services
Project Number: None Given
Location: DEFS (Eldridge) Ranch

Lab Order Number: 4C26002

Report Date: 04/08/04

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
(MW-14) 0403231730	4C26002-01	Water	03/23/04 17:30	03/25/04 16:45
(MW-FF) 0403231755	4C26002-02	Water	03/23/04 17:55	03/25/04 16:45
(MW-HH) 0403240840	4C26002-03	Water	03/24/04 08:40	03/25/04 16:45
(MW-II) 0403240855	4C26002-04	Water	03/24/04 08:55	03/25/04 16:45
(MW-JJ) 0403240910	4C26002-05	Water	03/24/04 09:10	03/25/04 16:45
(MW-BB) 0403241030	4C26002-06	Water	03/24/04 10:30	03/25/04 16:45
(MW-20) 0403240940	4C26002-07	Water	03/24/04 09:40	03/25/04 16:45
(MW-12) 0403241000	4C26002-08	Water	03/24/04 10:00	03/25/04 16:45
(MW-L) 0403241020	4C26002-09	Water	03/24/04 10:20	03/25/04 16:45
(MW-10) 0403241045	4C26002-10	Water	03/24/04 10:45	03/25/04 16:45
(MW-9) 0403241115	4C26002-11	Water	03/24/04 11:15	03/25/04 16:45
(MW-K) 0403241140	4C26002-12	Water	03/24/04 11:40	03/25/04 16:45
(MW-18) 0403241205	4C26002-13	Water	03/24/04 12:05	03/25/04 16:45
(MW-J) 0403241305	4C26002-14	Water	03/24/04 13:05	03/25/04 16:45
(MW-I) 0403241325	4C26002-15	Water	03/24/04 13:25	03/25/04 16:45
(MW-GG) 0403241350	4C26002-16	Water	03/24/04 13:50	03/25/04 16:45
(MW-AA) 0403241415	4C26002-17	Water	03/24/04 14:15	03/25/04 16:45
(MW-H) 0403241450	4C26002-18	Water	03/24/04 14:50	03/25/04 16:45
(MW-G) 0403241520	4C26002-19	Water	03/24/04 15:20	03/25/04 16:45
(MW-F) 0403241540	4C26002-20	Water	03/24/04 15:40	03/25/04 16:45
(MW-E) 0403241605	4C26002-21	Water	03/24/04 16:05	03/25/04 16:45
(MW-D) 0403241700	4C26002-22	Water	03/24/04 17:00	03/25/04 16:45
(MW-6) 0403241715	4C26002-23	Water	03/24/04 17:15	03/25/04 16:45
(MW-C) 0403241725	4C26002-24	Water	03/24/04 17:25	03/25/04 16:45
(MW-4) 0403241750	4C26002-25	Water	03/24/04 17:50	03/25/04 16:45
(MW-5) 0403250750	4C26002-26	Water	03/25/04 07:50	03/25/04 16:45
(DMW-1) 0403250850	4C26002-27	Water	03/25/04 08:50	03/25/04 16:45
(MW-1) 0403250840	4C26002-28	Water	03/25/04 08:40	03/25/04 16:45
(MW-B) 0403250910	4C26002-29	Water	03/25/04 09:10	03/25/04 16:45
(MW-A) 0403250935	4C26002-30	Water	03/25/04 09:35	03/25/04 16:45
(MW-3) 0403251000	4C26002-31	Water	03/25/04 10:00	03/25/04 16:45
(MW-7) 0403251100	4C26002-32	Water	03/25/04 11:00	03/25/04 16:45

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
(MW-2) 0403251125	4C26002-33	Water	03/25/04 11:25	03/25/04 16:45
(MW-16) 0403251155	4C26002-34	Water	03/25/04 11:55	03/25/04 16:45
(MW-17) 0403251225	4C26002-35	Water	03/25/04 12:25	03/25/04 16:45
(MW-24) 0403251245	4C26002-36	Water	03/25/04 12:45	03/25/04 16:45
Trip Blank	4C26002-37	Water	03/23/04 00:00	03/25/04 16:45

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-14) 0403231730 (4C26002-01) Water									
Benzene	**0.376**	0.00100	mg/L	1	ED40609	03/31/04	03/31/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.000772]**	0.00100	"	"	"	"	"	"	J
Xylene (o)	**0.000539]**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*270 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		"	"	"	"	
(MW-FF) 0403231755 (4C26002-02) Water									
Benzene	**3.22**	0.0200	mg/L	20	ED40609	03/31/04	04/02/04	EPA 8021B	
Toluene	ND	0.0200	"	"	"	"	"	"	
Ethylbenzene	ND	0.0200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0200	"	"	"	"	"	"	
Xylene (o)	ND	0.0200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*117 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	
(MW-HH) 0403240840 (4C26002-03) Water									
Benzene	**5.63**	0.0200	mg/L	20	ED40609	03/31/04	04/02/04	EPA 8021B	
Toluene	**0.0418**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**J [0.0107]**	0.0200	"	"	"	"	"	"	J
Xylene (p/m)	**[0.00494]**	0.0200	"	"	"	"	"	"	J
Xylene (o)	ND	0.0200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*112 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*80-120*		"	"	"	"	

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-II) 0403240855 (4C26002-04) Water									
Benzene	**2.10**	0.0200	mg/L	20	ED40609	03/31/04	04/02/04	EPA 8021B	
Toluene	**0.156**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**0.0225**	0.0200	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0145]**	0.0200	"	"	"	"	"	"	J
Xylene (o)	**[0.00912]**	0.0200	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*80-120*		"	"	"	"	
(MW-JJ) 0403240910 (4C26002-05) Water									
Benzene	**15.3**	0.0500	mg/L	50	ED40609	03/31/04	04/02/04	EPA 8021B	
Toluene	**J [0.0410]**	0.0500	"	"	"	"	"	"	J
Ethylbenzene	**0.0997**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**ND**	0.0500	"	"	"	"	"	"	
Xylene (o)	**[0.00471]**	0.0500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*94.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*80-120*		"	"	"	"	
(MW-BB) 0403241030 (4C26002-06) Water									
Benzene	**3.73**	0.0200	mg/L	20	ED40609	03/31/04	04/02/04	EPA 8021B	
Toluene	**0.0226**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**0.0300**	0.0200	"	"	"	"	"	"	
Xylene (p/m)	**[0.00448]**	0.0200	"	"	"	"	"	"	J
Xylene (o)	**[0.00232]**	0.0200	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.5 %*	*80-120*		"	"	"	"	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-20) 0403240940 (4C26002-07) Water									
Benzene	**0.000965]**	0.00100	mg/L	1	ED40609	03/31/04	04/02/04	EPA 8021B	J
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*112 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.5 %*	*80-120*		"	"	"	"	
(MW-12) 0403241000 (4C26002-08) Water									
Benzene	**16.9**	0.0500	mg/L	50	ED40609	03/31/04	04/02/04	EPA 8021B	
Toluene	**0.162**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.110**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0309]**	0.0500	"	"	"	"	"	"	J
Xylene (o)	**J [0.0147]**	0.0500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*124 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*83.5 %*	*80-120*		"	"	"	"	
(MW-L) 0403241020 (4C26002-09) Water									
Benzene	**24.8**	0.0500	mg/L	50	ED40609	03/31/04	04/02/04	EPA 8021B	
Toluene	ND	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.171**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0114]**	0.0500	"	"	"	"	"	"	J
Xylene (o)	ND	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*80-120*		"	"	"	"	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-10) 0403241045 (4C26002-10) Water									
Benzene	**4.80**	0.0200	mg/L	20	ED40609	03/31/04	04/02/04	EPA 8021B	
Toluene	**0.0480**	0.0200	"	"	"	"	"	"	
Ethylbenzene	[0.00559]	0.0200	"	"	"	"	"	"	J
Xylene (p/m)	[0.00817]	0.0200	"	"	"	"	"	"	J
Xylene (o)	[0.00310]	0.0200	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*111 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.5 %*	*80-120*		"	"	"	"	
(MW-9) 0403241115 (4C26002-11) Water									
Benzene	0.000919]	0.00100	mg/L	1	ED40609	03/31/04	04/02/04	EPA 8021B	J
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.5 %*	*80-120*		"	"	"	"	
(MW-K) 0403241140 (4C26002-12) Water									
Benzene	**1.99**	0.00500	mg/L	5	ED40609	03/31/04	04/02/04	EPA 8021B	
Toluene	ND	0.00500	"	"	"	"	"	"	
Ethylbenzene	ND	0.00500	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00500	"	"	"	"	"	"	
Xylene (o)	ND	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.5 %*	*80-120*		"	"	"	"	

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REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-18) 0403241205 (4C26002-13) Water									
Benzene	**0.00764**	0.00100	mg/L	1	ED40609	03/31/04	03/31/04	EPA 8021B	
Toluene	**0.00152**	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.000902]**	0.00100	"	"	"	"	"	"	J
Xylene (o)	**0.000600]**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*295 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*80-120*		"	"	"	"	
(MW-J) 0403241305 (4C26002-14) Water									
Benzene	**0.000969]**	0.00100	mg/L	1	ED40609	03/31/04	04/02/04	EPA 8021B	J
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*119 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*	*80-120*		"	"	"	"	
(MW-I) 0403241325 (4C26002-15) Water									
Benzene	**0.394**	0.00100	mg/L	1	ED40609	03/31/04	03/31/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.000933]**	0.00100	"	"	"	"	"	"	J
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*121 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*81.5 %*	*80-120*		"	"	"	"	

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REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-GG) 0403241350 (4C26002-16) Water									
Benzene	7.34	0.0250	mg/L	25	ED40609	03/31/04	04/02/04	EPA 8021B	
Toluene	J [0.0133]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	[0.00483]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	[0.00877]	0.0250	"	"	"	"	"	"	J
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*80-120*		"	"	"	"	
(MW-AA) 0403241415 (4C26002-17) Water									
Benzene	**0.367**	0.00100	mg/L	1	ED40609	03/31/04	04/02/04	EPA 8021B	
Toluene	**0.00217**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00541**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.000911]**	0.00100	"	"	"	"	"	"	J
Xylene (o)	**0.00127**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*154 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*119 %*	*80-120*		"	"	"	"	
(MW-H) 0403241450 (4C26002-18) Water									
Benzene	**0.0193**	0.00100	mg/L	1	ED40609	03/31/04	03/31/04	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		*112 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	

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REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-G) 0403241520 (4C26002-19) Water									
Benzene	**0.000915**	0.00100	mg/L	1	ED40609	03/31/04	04/02/04	EPA 8021B	J
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*115 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.0 %*	*80-120*		"	"	"	"	
(MW-F) 0403241540 (4C26002-20) Water									
Benzene	**0.000968**	0.00100	mg/L	1	ED40609	03/31/04	04/02/04	EPA 8021B	J
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.0 %*	*80-120*		"	"	"	"	
(MW-E) 0403241605 (4C26002-21) Water									
Benzene	**0.626**	0.00100	mg/L	1	ED40708	04/01/04	04/01/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00224**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*114 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	

Quality Assurance Review

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P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-D) 0403241700 (4C26002-22) Water									
Benzene	**0.0101**	0.00100	mg/L	1	ED40708	04/01/04	04/01/04	EPA 8021B	
Toluene	**0.00210**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00324**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00231**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.000991**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*358 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.0 %*	*80-120*		"	"	"	"	
(MW-6) 0403241715 (4C26002-23) Water									
Benzene	**0.0383**	0.00100	mg/L	1	ED40708	04/01/04	04/01/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00234**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00222**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.0 %*	*80-120*		"	"	"	"	
(MW-C) 0403241725 (4C26002-24) Water									
Benzene	**0.0288**	0.00100	mg/L	1	ED40708	04/01/04	04/01/04	EPA 8021B	
Toluene	**0.00369**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00577**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00551**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.000666**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*144 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*80-120*		"	"	"	"	

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REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-4) 0403241750 (4C26002-25) Water									
Benzene	**4.20**	0.0200	mg/L	20	ED40708	04/06/04	04/07/04	EPA 8021B	
Toluene	**3.89**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**0.192**	0.0200	"	"	"	"	"	"	
Xylene (p/m)	**0.530**	0.0200	"	"	"	"	"	"	
Xylene (o)	**0.126**	0.0200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*275 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*80-120*		"	"	"	"	
(MW-5) 0403250750 (4C26002-26) Water									
Benzene	**0.0834**	0.0200	mg/L	20	ED40708	04/06/04	04/07/04	EPA 8021B	
Toluene	**0.0329**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**0.0225**	0.0200	"	"	"	"	"	"	
Xylene (p/m)	**0.0297**	0.0200	"	"	"	"	"	"	
Xylene (o)	**J [0.0196]**	0.0200	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*188 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*82.5 %*	*80-120*		"	"	"	"	
(DMW-1) 0403250850 (4C26002-27) Water									
Benzene	ND	0.00100	mg/L	1	ED40708	04/06/04	04/07/04	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		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.0 %*	*80-120*		"	"	"	"	

Environmental Lab of Texas

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-1) 0403250840 (4C26002-28) Water									
Benzene	**0.00245**	0.00100	mg/L	1	ED40708	04/06/04	04/07/04	EPA 8021B	
Toluene	**0.000744]**	0.00100	"	"	"	"	"	"	J
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*135 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*82.5 %*	*80-120*		"	"	"	"	
(MW-B) 0403250910 (4C26002-29) Water									
Benzene	**0.215**	0.0200	mg/L	20	ED40708	04/06/04	04/07/04	EPA 8021B	
Toluene	**0.190**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**0.0833**	0.0200	"	"	"	"	"	"	
Xylene (p/m)	**0.210**	0.0200	"	"	"	"	"	"	
Xylene (o)	**0.0442**	0.0200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*273 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*86.5 %*	*80-120*		"	"	"	"	
(MW-A) 0403250935 (4C26002-30) Water									
Benzene	**1.44**	0.0500	mg/L	50	ED40708	04/06/04	04/07/04	EPA 8021B	
Toluene	**1.40**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.143**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**0.448**	0.0500	"	"	"	"	"	"	
Xylene (o)	**0.116**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*236 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*81.0 %*	*80-120*		"	"	"	"	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-3) 0403251000 (4C26002-31) Water									
Benzene	ND	0.00100	mg/L	1	ED40708	04/06/04	04/07/04	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		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.5 %*	*80-120*		"	"	"	"	
(MW-7) 0403251100 (4C26002-32) Water									
Benzene	ND	0.00100	mg/L	1	ED40708	04/06/04	04/07/04	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		*82.0 %*	*80-120*		"	"	"	"	
(MW-2) 0403251125 (4C26002-33) Water									
Benzene	ND	0.00100	mg/L	1	ED40708	04/06/04	04/07/04	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		*117 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.5 %*	*80-120*		"	"	"	"	

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-16) 0403251155 (4C26002-34) Water									
Benzene	ND	0.00100	mg/L	1	ED40708	04/06/04	04/07/04	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		*114 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.0 %*	*80-120*		"	"	"	"	
(MW-17) 0403251225 (4C26002-35) Water									
Benzene	ND	0.00100	mg/L	1	ED40708	04/06/04	04/07/04	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		*110 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.0 %*	*80-120*		"	"	"	"	
(MW-24) 0403251245 (4C26002-36) Water									
Benzene	ND	0.00100	mg/L	1	ED40708	04/06/04	04/07/04	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		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.5 %*	*80-120*		"	"	"	"	

Quality Assurance Review

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REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (4C26002-37) Water									
Benzene	ND	0.00100	mg/L	1	ED40708	04/06/04	04/07/04	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		*82.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.5 %*	*80-120*		"	"	"	"	

Roland K Tuels

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-FF) 0403231755 (4C26002-02) Water									
Total Alkalinity	ND	2.00	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Carbonate Alkalinity	ND	0.100	"	"	"	"	"	"	
Bicarbonate Alkalinity	**264**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**301**	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**1020**	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	**110**	1.00	"	2	ED40621	03/27/04	03/27/04	EPA 375.4	
(MW-HH) 0403240840 (4C26002-03) Water									
Total Dissolved Solids	**621**	5.00	mg/L	1	EC43105	03/30/04	03/30/04	EPA 160.1	
(MW-II) 0403240855 (4C26002-04) Water									
Total Dissolved Solids	**601**	5.00	mg/L	1	EC43105	03/30/04	03/30/04	EPA 160.1	
(MW-JJ) 0403240910 (4C26002-05) Water									
Total Dissolved Solids	**650**	5.00	mg/L	1	EC43105	03/30/04	03/30/04	EPA 160.1	
(MW-BB) 0403241030 (4C26002-06) Water									
Total Dissolved Solids	**624**	5.00	mg/L	1	EC43105	03/30/04	03/30/04	EPA 160.1	
(MW-L) 0403241020 (4C26002-09) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	**366**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**93.1**	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Sulfate	**18.7**	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-K) 0403241140 (4C26002-12) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	**316**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**59.1**	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**543**	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	**14.8**	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	
(MW-J) 0403241305 (4C26002-14) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	**390**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**59.1**	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**600**	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	**40.5**	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	
(MW-I) 0403241325 (4C26002-15) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	**358**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**65.0**	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	**564**	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	**19.4**	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	
(MW-GG) 0403241350 (4C26002-16) Water									
Total Dissolved Solids	**484**	5.00	mg/L	1	EC43105	03/30/04	03/30/04	EPA 160.1	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-AA) 0403241415 (4C26002-17) Water									
Total Dissolved Solids	524	5.00	mg/L	1	EC43105	03/30/04	03/30/04	EPA 160.1	
(MW-H) 0403241450 (4C26002-18) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	342	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	85.7	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	631	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	56.1	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	
(MW-G) 0403241520 (4C26002-19) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	210	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	42.5	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	441	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	67.9	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	
(MW-F) 0403241540 (4C26002-20) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	268	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	60.3	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	494	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	63.8	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-E) 0403241605 (4C26002-21) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	372	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	60.3	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	502	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	29.9	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	
(MW-D) 0403241700 (4C26002-22) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	342	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	58.5	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	540	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	15.3	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	
(MW-C) 0403241725 (4C26002-24) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	326	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	78.0	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	573	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	43.3	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	
(MW-B) 0403250910 (4C26002-29) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	355	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	62.0	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	532	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	3.20	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	

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REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-A) 0403250935 (4C26002-30) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	ED40622	03/26/04	03/26/04	EPA 310.2M	
Bicarbonate Alkalinity	338	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	69.1	5.00	"	"	ED40620	03/27/04	03/27/04	SW 846 9253	
Total Dissolved Solids	481	5.00	"	"	EC43105	03/30/04	03/30/04	EPA 160.1	
Sulfate	5.90	0.500	"	"	ED40621	03/27/04	03/27/04	EPA 375.4	

Environmental Lab of Texas

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-FF) 0403231755 (4C26002-02) Water									
Calcium	118	1.00	mg/L	100	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	27.6	0.0100	"	10	"	"	04/05/04	"	
Potassium	8.79	0.0500	"	1	"	"	04/05/04	"	
Sodium	122	1.00	"	100	"	"	04/05/04	"	
(MW-L) 0403241020 (4C26002-09) Water									
Calcium	110	1.00	mg/L	100	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	23.1	0.0100	"	10	"	"	04/05/04	"	
Potassium	4.25	0.0500	"	1	"	"	04/05/04	"	
Sodium	54.6	0.100	"	10	"	"	04/05/04	"	
(MW-K) 0403241140 (4C26002-12) Water									
Calcium	90.4	0.100	mg/L	10	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	18.0	0.0100	"	"	"	"	"	"	
Potassium	3.61	0.0500	"	1	"	"	04/05/04	"	
Sodium	49.4	0.100	"	10	"	"	04/05/04	"	
(MW-J) 0403241305 (4C26002-14) Water									
Calcium	110	1.00	mg/L	100	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	19.7	0.0100	"	10	"	"	04/05/04	"	
Potassium	5.56	0.0500	"	1	"	"	04/05/04	"	
Sodium	69.2	0.100	"	10	"	"	04/05/04	"	
(MW-I) 0403241325 (4C26002-15) Water									
Calcium	102	0.100	mg/L	10	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	25.4	0.0100	"	"	"	"	04/05/04	"	
Potassium	3.40	0.0500	"	1	"	"	"	"	
Sodium	59.4	0.100	"	10	"	"	"	"	

Environmental Lab of Texas

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-H) 0403241450 (4C26002-18) Water									
Calcium	114	1.00	mg/L	100	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	22.3	0.0100	"	10	"	"	04/05/04	"	
Potassium	5.30	0.0500	"	1	"	"	04/05/04	"	
Sodium	64.2	0.100	"	10	"	"	04/05/04	"	
(MW-G) 0403241520 (4C26002-19) Water									
Calcium	61.1	0.100	mg/L	10	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	13.4	0.0100	"	"	"	"	"	"	
Potassium	5.94	0.0500	"	1	"	"	04/05/04	"	
Sodium	64.4	0.100	"	10	"	"	04/05/04	"	
(MW-F) 0403241540 (4C26002-20) Water									
Calcium	89.2	0.100	mg/L	10	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	15.7	0.0100	"	"	"	"	"	"	
Potassium	5.62	0.0500	"	1	"	"	04/05/04	"	
Sodium	56.9	0.100	"	10	"	"	04/05/04	"	
(MW-E) 0403241605 (4C26002-21) Water									
Calcium	99.1	0.100	mg/L	10	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	20.8	0.0100	"	"	"	"	"	"	
Potassium	4.23	0.0500	"	1	"	"	04/05/04	"	
Sodium	59.3	0.100	"	10	"	"	04/05/04	"	
(MW-D) 0403241700 (4C26002-22) Water									
Calcium	108	0.100	mg/L	10	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	19.1	0.0100	"	"	"	"	"	"	
Potassium	4.14	0.0500	"	1	"	"	04/05/04	"	
Sodium	73.2	0.100	"	10	"	"	04/05/04	"	

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(MW-C) 0403241725 (4C26002-24) Water									
Calcium	**105**	1.00	mg/L	100	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	**19.6**	0.0100	"	10	"	"	04/05/04	"	
Potassium	**4.40**	0.0500	"	1	"	"	04/05/04	"	
Sodium	**57.2**	0.100	"	10	"	"	04/05/04	"	
(MW-B) 0403250910 (4C26002-29) Water									
Calcium	**102**	0.100	mg/L	10	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	**21.0**	0.0100	"	"	"	"	"	"	
Potassium	**3.50**	0.0500	"	1	"	"	04/05/04	"	
Sodium	**66.6**	0.100	"	10	"	"	04/05/04	"	
(MW-A) 0403250935 (4C26002-30) Water									
Calcium	**97.3**	0.100	mg/L	10	ED40601	04/05/04	04/05/04	EPA 6010B	
Magnesium	**19.5**	0.0100	"	"	"	"	"	"	
Potassium	**3.60**	0.0500	"	1	"	"	04/05/04	"	
Sodium	**65.2**	0.100	"	10	"	"	04/05/04	"	

Environmental Lab of Texas

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

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 ED40609 - EPA 5030C (GC)										
Blank (ED40609-BLK1)				Prepared & Analyzed: 03/31/04						
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	*22.8*		*ug/l*	*20.0*		*114*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*20.7*		*"*	*20.0*		*104*	*80-120*			
LCS (ED40609-BS1)				Prepared & Analyzed: 03/31/04						
Benzene	115		ug/l	100		115	80-120			
Toluene	114		"	100		114	80-120			
Ethylbenzene	110		"	100		110	80-120			
Xylene (p/m)	235		"	200		118	80-120			
Xylene (o)	117		"	100		117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*22.5*		*"*	*20.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*"*	*20.0*		*111*	*80-120*			
Calibration Check (ED40609-CCV1)				Prepared: 03/31/04 Analyzed: 04/02/04						
Benzene	83.3		ug/l	100		83.3	80-120			
Toluene	88.6		"	100		88.6	80-120			
Ethylbenzene	83.2		"	100		83.2	80-120			
Xylene (p/m)	183		"	200		91.5	80-120			
Xylene (o)	92.1		"	100		92.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	*16.1*		*"*	*20.0*		*80.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*19.8*		*"*	*20.0*		*99.0*	*80-120*			
Duplicate (ED40609-DUP1)		**Source: 4C26002-18**		Prepared: 03/31/04 Analyzed: 04/02/04						
Benzene	0.0160	0.00100	mg/L		0.0193			18.7	20	
Toluene	ND	0.00100	"		ND				20	
Ethylbenzene	ND	0.00100	"		ND				20	
Xylene (p/m)	ND	0.00100	"		ND				20	
Xylene (o)	ND	0.00100	"		ND				20	
Surrogate: a,a,a-Trifluorotoluene	*27.7*		*ug/l*	*20.0*		*138*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*18.0*		*"*	*20.0*		*90.0*	*80-120*			

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

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 ED40708 - EPA 5030C (GC)										
Blank (ED40708-BLK1)				Prepared & Analyzed: 04/02/04						
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	*22.8*		*ug/l*	*20.0*		*114*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*17.4*		"	*20.0*		*87.0*	*80-120*			
LCS (ED40708-BS1)				Prepared & Analyzed: 04/02/04						
Benzene	93.6		ug/l	100		93.6	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	97.4		"	100		97.4	80-120			
Xylene (p/m)	213		"	200		106	80-120			
Xylene (o)	103		"	100		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	*21.8*		"	*20.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.2*		"	*20.0*		*116*	*80-120*			
Calibration Check (ED40708-CCV1)				Prepared: 04/06/04 Analyzed: 04/07/04						
Benzene	88.5		ug/l	100		88.5	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	97.5		"	100		97.5	80-120			
Xylene (p/m)	206		"	200		103	80-120			
Xylene (o)	102		"	100		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	*21.8*		"	*20.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.2*		"	*20.0*		*116*	*80-120*			
Duplicate (ED40708-DUP1)	**Source: 4C26002-24**			Prepared: 04/06/04 Analyzed: 04/07/04						
Benzene	0.0297	0.00100	mg/L		0.0288			3.08	20	
Toluene	0.00382	0.00100	"		0.00369			3.46	20	
Ethylbenzene	0.00608	0.00100	"		0.00577			5.23	20	
Xylene (p/m)	0.00606	0.00100	"		0.00551			9.51	20	
Xylene (o)	0.000714	0.00100	"		0.000666			6.96	20	J
Surrogate: a,a,a-Trifluorotoluene	*38.8*		*ug/l*	*20.0*		*194*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*17.4*		"	*20.0*		*87.0*	*80-120*			

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

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 ED40708 - EPA 5030C (GC)										
Matrix Spike (ED40708-MS1)	**Source: 4C26002-37**			Prepared: 04/06/04 Analyzed: 04/07/04						
Benzene	87.9		ug/l	100	ND	87.9	80-120			
Toluene	97.4		"	100	ND	97.4	80-120			
Ethylbenzene	95.1		"	100	ND	95.1	80-120			
Xylene (p/m)	207		"	200	ND	104	80-120			
Xylene (o)	97.4		"	100	ND	97.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*21.7*		"	*20.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.4*		"	*20.0*		*107*	*80-120*			

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC43105 - Filtration Preparation										
Blank (EC43105-BLK1)				Prepared & Analyzed: 03/30/04						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EC43105-DUP1)		Source: 4C26002-02		Prepared & Analyzed: 03/30/04						
Total Dissolved Solids	1070	5.00	mg/L		1020			4.78	20	
Batch ED40620 - General Preparation (WetChem)										
Blank (ED40620-BLK1)				Prepared & Analyzed: 03/27/04						
Chloride	ND	5.00	mg/L							
Matrix Spike (ED40620-MS1)		Source: 4C26002-02		Prepared & Analyzed: 03/27/04						
Chloride	798	5.00	mg/L	500	301	99.4	80-120			
Matrix Spike Dup (ED40620-MSD1)		Source: 4C26002-02		Prepared & Analyzed: 03/27/04						
Chloride	789	5.00	mg/L	500	301	97.6	80-120	1.13	20	
Reference (ED40620-SRM1)				Prepared & Analyzed: 03/27/04						
Chloride	4960		mg/L	5000		99.2	80-120			
Batch ED40621 - General Preparation (WetChem)										
Blank (ED40621-BLK1)				Prepared & Analyzed: 03/27/04						
Sulfate	ND	0.500	mg/L							
Calibration Check (ED40621-CCV1)				Prepared & Analyzed: 03/27/04						
Sulfate	48.1		mg/L	50.0		96.2	80-120			

Environmental Lab of Texas

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Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED40621 - General Preparation (WetChem)										
Duplicate (ED40621-DUP1)		**Source: 4C26002-02**		Prepared & Analyzed: 03/27/04						
Sulfate	113	1.00	mg/L		110			2.69	20	
Batch ED40622 - General Preparation (WetChem)										
Blank (ED40622-BLK1)				Prepared & Analyzed: 03/26/04						
Carbonate Alkalinity	ND	0.100	mg/L							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							
Calibration Check (ED40622-CCV1)				Prepared & Analyzed: 03/26/04						
Carbonate Alkalinity	0.0496		mg/L	0.0500		99.2	80-120			
Duplicate (ED40622-DUP1)		**Source: 4C26002-02**		Prepared & Analyzed: 03/26/04						
Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	262	2.00	"		264			0.760	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED40601 - General Preparation (Metals)										
Blank (ED40601-BLK1)				Prepared & Analyzed: 04/05/04						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (ED40601-CCV1)				Prepared & Analyzed: 04/05/04						
Calcium	1.92		mg/L	2.00		96.0	85-115			
Magnesium	2.02		"	2.00		101	85-115			
Potassium	1.72		"	2.00		86.0	85-115			
Sodium	1.77		"	2.00		88.5	85-115			
Duplicate (ED40601-DUP1)		**Source: 4C26002-02**		Prepared & Analyzed: 04/05/04						
Calcium	118	1.00	mg/L		118			0.00	20	
Magnesium	27.7	0.0100	"		27.6			0.362	20	
Potassium	8.89	0.0500	"		8.79			1.13	20	
Sodium	125	1.00	"		122			2.43	20	

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	04/08/04 13:55

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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

Roland K Tuttle

Quality Assurance Review

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

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: Mike Stewart
Company Name: Remediacon, Inc
Company Address: P.O. Box 302
City/State/Zip: Evergreen, CO 80437
Telephone No: 303-674-4370 Fax No:
Sampler Signature: Dale Littlejohn

Project Name: Duke Energy Field Services
Project #:
Project Loc: DEFS (Eldridge) Ranch
PO #:

Page 1 of 4

402600Z

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	TOTAL: 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.	TDS	RUSH TAT (Pre-Schedule)	Standard TAT
-01	(MW-14) 040323 1730	3/23/04	1730	2	✓		✓					✓											✓					✓
-02	(MW-FF) 040323 1755	3/23/04	1755	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-03	(MW-HH) 040324 0840	3/24/04	0840	3	✓		✓			✓		✓											✓			✓		✓
-04	(MW-II) 040324 0855	3/24/04	0855	3	✓		✓			✓		✓											✓			✓		✓
-05	(MW-JJ) 040324 0910	3/24/04	0910	3	✓		✓			✓		✓											✓			✓		✓
-06	(MW-BB) 040324 1030	3/24/04	1030	3	✓		✓			✓		✓											✓			✓		✓
-07	(MW-20) 040324 0940	3/24/04	0940	2	✓		✓					✓											✓					✓
-08	(MW-12) 040324 1000	3/24/04	1000	2	✓		✓					✓											✓					✓
-09	(MW-L) 040324 1020	3/24/04	1020	3	✓		✓			✓		✓					✓	✓					✓					✓
-10	(MW-10) 040324 1045	3/24/04	1045	2	✓		✓					✓											✓					✓

Special Instructions: Invoice to Steve Weathers, Duke Energy Field Service, Denver

Relinquished by:	Date	Time	Received by:	Date	Time
Dale Littlejohn	3/25/04	4:45			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Lynn Anderson	3/25/04	1645

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments:
1 L HOPE
40 ml VOA
4.0°C

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: Mike Stewart
Company Name: Remediacon, Inc
Company Address: P.O. Box 302
City/State/Zip: Evergreen, CO 80437
Telephone No: 303-674-4370 Fax No:
Sampler Signature: Dale Littlejohn

Project Name: Duke Energy Field Services
Project #:
Project Loc: DEFS (Eldridge) Ranch
PO #:

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4C26002

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: 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.	TDS	RUSH TAT (Pre-Schedule)	Standard TAT
-11	(MW-9) 040324 1115	3/24/04	1115	2	✓		✓					✓											✓					✓
-12	(MW-K) 040324 1140	3/24/04	1140	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-13	(MW-18) 040324 1205	3/24/04	1205	2	✓		✓					✓											✓					✓
-14	(MW-J) 040324 1305	3/24/04	1305	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-15	(MW-I) 040324 1325	3/24/04	1325	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-16	(MW-GG) 040324 1350	3/24/04	1350	3	✓		✓			✓		✓											✓			✓		✓
-17	(MW-AA) 040324 1415	3/24/04	1415	3	✓		✓			✓		✓											✓			✓		✓
-18	(MW-H) 040324 1450	3/24/04	1450	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-19	(MW-G) 040324 1520	3/24/04	1520	3	✓		✓			✓		✓					✓	✓					✓			✓		✓
-20	(MW-F) 040324 1540	3/24/04	1540	3	✓		✓			✓		✓					✓	✓					✓			✓		✓

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
1 L HDPE
40 mL VOA
4.0°C

Relinquished by:	Date	Time	Received by:	Date	Time
Dale Littlejohn	3/25/04	4:45			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Lynn Anderson	3/25/04	1645

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: Mike Stewart
Company Name: Remediacon, Inc
Company Address: P.O. Box 302
City/State/Zip: Evergreen, CO 80437
Telephone No: 303-674-4310 Fax No:
Sampler Signature: Dale Littlejohn

Project Name: Duke Energy Field Services
Project #:
Project Loc: DEFS (Eldridge) Ranch
PO #:

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4C26002

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: 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.	TDS			RUSH TAT (Pre-Schedule)	Standard TAT
-21	(MW-E) 040324 1605	3/24/04	1605	3	✓		✓			✓		✓					✓	✓					✓			✓				✓
-22	(MW-D) 040324 1700	3/24/04	1700	3	✓		✓			✓		✓					✓	✓					✓			✓				✓
-23	(MW-6) 040324 1715	3/24/04	1715	2	✓		✓					✓											✓			✓				✓
-24	(MW-C) 040324 1725	3/24/04	1725	3	✓		✓			✓		✓					✓	✓					✓			✓				✓
-25	(MW-4) 040324 1750	3/24/04	1750	2	✓		✓					✓											✓			✓				✓
-26	(MW-5) 040325 0750	3/25/04	0750	2	✓		✓					✓											✓			✓				✓
-27	(MW-1) 0403250850	3/25/04	0850	2	✓		✓					✓											✓			✓				✓
-28	(MW-1) 0403250840	3/25/04	0840	2	✓		✓					✓											✓			✓				✓
-29	(MW-B) 040325 0910	3/25/04	0910	3	✓		✓			✓		✓					✓	✓					✓			✓				✓
-30	(MW-A) 0403250935	3/25/04	0935	3	✓		✓			✓		✓					✓	✓					✓			✓				✓

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
1 L HDPE
40 ml VOA
4.0°C

Relinquished by:	Date	Time	Received by	Date	Time
Dale Littlejohn	3/25/04	4:45			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Lynn Anderson	3/25/04	1645

Apr 08 04 03:19p

p.34

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: Mike Stewart
Company Name: Remediacon, Inc
Company Address: PO Box 302
City/State/Zip: Evergreen CO. 80437
Telephone No: 303-674-4370 Fax No:
Sampler Signature: Walt Hitchcock

Project Name: Duke Energy Field Serv.
Project #:
Project Loc: DEFS (Eldridge) Ranch
PO #:

Page 4 of 4

4C26002

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	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 BTEX 8260	RCI	N.O.R.M.					RUSH TAT (Pre-Schedule)	Standard TAT
-31	(MW-3) 040325 1000	3/25/04	1000	2	✓		✓					✓											✓								✓
-32	(MW-7) 040325 1100	3/25/04	1100	2	✓		✓					✓											✓								✓
-33	(MW-2) 040325 1125	3/25/04	1125	2	✓		✓					✓											✓								✓
-34	(MW-16) 040325 1155	3/25/04	~~1225~~ 1155	2	✓		✓					✓											✓								✓
-35	(MW-17) 040325 1225	3/25/04	1225	2	✓		✓					✓											✓								✓
-36	(MW-24) 040325 1245	3/25/04	1245	2	✓		✓					✓											✓								✓
-37	Trip Blank			2	✓		✓					✓											✓								✓

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments: 4.0°C 40mL Vials

Relinquished by:	Date	Time	Received by:	Date	Time
Walt Hitchcock	3/25/04	4:45			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Cynthia Anderson	3/25/04	1645

Apr 08 04 03:20p

p.35

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Michael Stewart
REMEDIACON
P.O. Box 302
Evergreen, CO 80437

Project: Duke Energy Field Services
Project Number: None Given
Location: DEFS (Eldridge) Ranch

Lab Order Number: 4D30009

Report Date: 05/05/04

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	05/05/04 13:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
(Irrigation) 0404291100	4D30009-01	Water	04/29/04 11:00	04/30/04 14:55
(MW-19) 0404291150	4D30009-02	Water	04/29/04 11:50	04/30/04 14:55

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	05/05/04 13:46

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(Irrigation) 0404291100 (4D30009-01) Water									
Benzene	**0.426**	0.0100	mg/L	10	EE40405	05/04/04	05/04/04	EPA 8021B	
Toluene	**0.970**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.115**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.342**	0.0100	"	"	"	"	"	"	
Xylene (o)	**0.0633**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*535 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		"	"	"	"	
(MW-19) 0404291150 (4D30009-02) Water									
Benzene	**0.0540**	0.00100	mg/L	1	EE40405	05/04/04	05/04/04	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		*122 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*118 %*	*80-120*		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory.. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Roland K Tuel
Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	05/05/04 13:46

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(Irrigation) 0404291100 (4D30009-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EE40306	04/30/04	04/30/04	EPA 310.2M	
Bicarbonate Alkalinity	**346**	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**67.9**	5.00	"	"	EE40401	05/03/04	05/03/04	EPA 325.3M	
Sulfate	**6.00**	0.500	"	"	EE40303	04/30/04	04/30/04	EPA 375.4	

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	05/05/04 13:46

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(Irrigation) 0404291100 (4D30009-01) Water									
Calcium	**74.0**	0.100	mg/L	10	EE40506	05/05/04	05/05/04	EPA 6010B	
Magnesium	**20.3**	0.0100	"	"	"	"	"	"	
Potassium	**4.71**	0.0500	"	1	"	"	"	"	
Sodium	**68.2**	0.100	"	10	"	"	"	"	

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	05/05/04 13:46

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 EE40405 - EPA 5030C (GC)										
Blank (EE40405-BLK1)				Prepared & Analyzed: 05/04/04						
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	*24.0*		*ug/l*	*20.0*		*120*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*19.9*		"	*20.0*		*99.5*	*80-120*			
LCS (EE40405-BS1)				Prepared & Analyzed: 05/04/04						
Benzene	83.9		ug/l	100		83.9	80-120			
Toluene	95.0		"	100		95.0	80-120			
Ethylbenzene	91.6		"	100		91.6	80-120			
Xylene (p/m)	198		"	200		99.0	80-120			
Xylene (o)	98.7		"	100		98.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	*18.8*		"	*20.0*		*94.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.5*		"	*20.0*		*118*	*80-120*			
Calibration Check (EE40405-CCV1)				Prepared & Analyzed: 05/04/04						
Benzene	91.3		ug/l	100		91.3	80-120			
Toluene	105		"	100		105	80-120			
Ethylbenzene	102		"	100		102	80-120			
Xylene (p/m)	215		"	200		108	80-120			
Xylene (o)	103		"	100		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	*23.6*		"	*20.0*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.3*		"	*20.0*		*116*	*80-120*			
Duplicate (EE40405-DUP1)		**Source: 4D30009-02**		Prepared & Analyzed: 05/04/04						
Benzene	0.0528	0.00100	mg/L		0.0540			2.25	20	
Toluene	ND	0.00100	"		ND				20	
Ethylbenzene	ND	0.00100	"		ND				20	
Xylene (p/m)	ND	0.00100	"		ND				20	
Xylene (o)	ND	0.00100	"		ND				20	
Surrogate: a,a,a-Trifluorotoluene	*24.2*		*ug/l*	*20.0*		*121*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*22.8*		"	*20.0*		*114*	*80-120*			

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	05/05/04 13 46

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE40303 - General Preparation (WetChem)										
Blank (EE40303-BLK1)				Prepared & Analyzed: 04/30/04						
Sulfate	ND	0.500	mg/L							
Calibration Check (EE40303-CCV1)				Prepared & Analyzed: 04/30/04						
Sulfate	44.4		mg/L	50.0		88.8	80-120			
Duplicate (EE40303-DUP1)		Source: 4D30008-01		Prepared & Analyzed: 04/30/04						
Sulfate	704	6.25	mg/L		674			4.35	20	
Batch EE40306 - General Preparation (WetChem)										
Blank (EE40306-BLK1)				Prepared & Analyzed: 04/30/04						
Carbonate Alkalinity	ND	0.100	mg/L							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							
Duplicate (EE40306-DUP1)		Source: 4D30009-01		Prepared & Analyzed: 04/30/04						
Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	347	2.00	"		346			0.289	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	
Reference (EE40306-SRM1)				Prepared & Analyzed: 04/30/04						
Carbonate Alkalinity	0.0414		mg/L	0.0500		82.8	80-120			
Batch EE40401 - General Preparation (WetChem)										
Blank (EE40401-BLK1)				Prepared & Analyzed: 05/03/04						
Chloride	ND	5.00	mg/L							

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	05/05/04 13:46

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE40401 - General Preparation (WetChem)										
Matrix Spike (EE40401-MS1)		**Source: 4D30008-01**		Prepared & Analyzed: 05/03/04						
Chloride	638	5.00	mg/L	500	151	97.4	80-120			
Matrix Spike Dup (EE40401-MSD1)		**Source: 4D30008-01**		Prepared & Analyzed: 05/03/04						
Chloride	638	5.00	mg/L	500	151	97.4	80-120	0.00	20	
Reference (EE40401-SRM1)				Prepared & Analyzed: 05/03/04						
Chloride	4960		mg/L	5000		99.2	80-120			

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	05/05/04 13:46

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE40506 - General Preparation (Metals)										
Blank (EE40506-BLK1)				Prepared & Analyzed: 05/05/04						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EE40506-CCV1)				Prepared & Analyzed: 05/05/04						
Calcium	2.02		mg/L	2.00		101	85-115			
Magnesium	2.10		"	2.00		105	85-115			
Potassium	1.87		"	2.00		93.5	85-115			
Sodium	1.83		"	2.00		91.5	85-115			
Duplicate (EE40506-DUP1)	**Source: 4D30008-01**			Prepared & Analyzed: 05/05/04						
Calcium	217	1.00	mg/L		220			1.37	20	
Magnesium	66.8	0.0100	"		65.8			1.51	20	
Potassium	9.24	0.0500	"		9.16			0.870	20	
Sodium	147	1.00	"		149			1.35	20	

Quality Assurance Review

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

REMEDIACON	Project: Duke Energy Field Services	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	05/05/04 13:46

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

Quality Assurance Review

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

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: Mike Stewart
Company Name: Remediacon Inc
Company Address: P.O. 302
City/State/Zip: Evergreen, CO 80437
Telephone No: 303-674-4370 Fax No: 720-528-8137
Sampler Signature:

Project Name: Duke Energy Field Services
Project #:
Project Loc: DEFS (Eldridge) Ranch
PO #:

4D30009

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl 40ml glass	NaOH	H2SO4	None L HDPE	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.	RUSH TAT (Pre-Schedule)	Standard TAT
-01	(Irrigation) 040429 1100	4/29/04	1100	3	✓		✓			—		✓					✓	✓					✓				✓
-02	(MW-19) 040429 1150	4/29/04	1150	2	✓		✓					✓											✓				✓

TCLP:
TOTAL: X

Special Instructions: Invoice to: Duke Energy Field Services
Attn: Steve Weathers

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
4.0°C

Relinquished by:	Date	Time	Received by:	Date	Time
	4/30/04	1455			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Jeanne McMurry	04-30-04	1455

JUNE 2004 LABORATORY REPORTS

REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	07/07/04 11:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
(0406221610) MW-2	4F23010-01	Water	06/22/04 16:10	06/23/04 11:35
(0406221610) MW-3	4F23010-02	Water	06/22/04 16:10	06/23/04 11:35
(0406221625) MW-7	4F23010-03	Water	06/22/04 16:25	06/23/04 11:35
(0406221650) MW-9	4F23010-04	Water	06/22/04 16:50	06/23/04 11:35
(0406221510) MW-16	4F23010-05	Water	06/22/04 15:10	06/23/04 11:35
(0406221515) MW-17	4F23010-06	Water	06/22/04 15:15	06/23/04 11:35
(0406221705) MW-20	4F23010-07	Water	06/22/04 17:05	06/23/04 11:35
(0406221745) MW-21	4F23010-08	Water	06/22/04 17:45	06/23/04 11:35
(0406221730) MW-22	4F23010-09	Water	06/22/04 17:30	06/23/04 11:35
(0406221545) MW-24	4F23010-10	Water	06/22/04 15:45	06/23/04 11:35
(0406221845) Dup C	4F23010-11	Water	06/22/04 18:45	06/23/04 11:35
(0406221545) MW-10	4F23010-12	Water	06/22/04 15:45	06/23/04 11:35
(0406221655) MM	4F23010-13	Water	06/22/04 16:55	06/23/04 11:35
(0406221620) N.W.W.	4F23010-14	Water	06/22/04 16:20	06/23/04 11:35
(0406221300) IRRW	4F23010-15	Water	06/22/04 13:00	06/23/04 11:35
Trip Blank	4F23010-16	Water	06/22/04 00:00	06/23/04 11:35

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

REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	07/07/04 11:05

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(0406221610) MW-2 (4F23010-01) Water									
Benzene	ND	0.00100	mg/L	1	EG40204	06/30/04	06/30/04	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		*112 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.0 %*	*80-120*		"	"	"	"	
(0406221610) MW-3 (4F23010-02) Water									
Benzene	**0.00184**	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	EPA 8021B	
Toluene	**0.000852**	0.00100	"	"	"	"	"	"	J
Ethylbenzene	**0.000462**	0.00100	"	"	"	"	"	"	J
Xylene (p/m)	**0.00100**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.000330**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.5 %*	*80-120*		"	"	"	"	
(0406221625) MW-7 (4F23010-03) Water									
Benzene	ND	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	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		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	
(0406221650) MW-9 (4F23010-04) Water									
Benzene	ND	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	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		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.0 %*	*80-120*		"	"	"	"	

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REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	07/06/04 10:39

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(0406221510) MW-16 (4F23010-05) Water									
Benzene	ND	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	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		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*80-120*		"	"	"	"	
(0406221515) MW-17 (4F23010-06) Water									
Benzene	ND	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	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		*120 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*80-120*		"	"	"	"	
(0406221705) MW-20 (4F23010-07) Water									
Benzene	ND	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	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		*120 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	
(0406221745) MW-21 (4F23010-08) Water									
Benzene	**0.159**	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	EPA 8021B	
Toluene	**0.178**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.295**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.495**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.179**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*4220 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*174 %*	*80-120*		"	"	"	"	*S-04*

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REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	07/07/04 11:05

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(0406221730) MW-22 (4F23010-09) Water									
Benzene	ND	0.00100	mg/L	1	EG40204	06/30/04	07/02/04	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		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.5 %*	*80-120*		"	"	"	"	
(0406221545) MW-24 (4F23010-10) Water									
Benzene	ND	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	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		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.5 %*	*80-120*		"	"	"	"	
(0406221845) Dup C (4F23010-11) Water									
Benzene	**0.158**	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	EPA 8021B	
Toluene	**0.176**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.288**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.485**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.167**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*3840 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*164 %*	*80-120*		"	"	"	"	*S-04*
(0406221545) MW-10 (4F23010-12) Water									
Benzene	ND	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	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		*120 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.5 %*	*80-120*		"	"	"	"	

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REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/06/04 10:39

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
(0406221655) MM (4F23010-13) Water									
Benzene	**0.351**	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	EPA 8021B	
Toluene	**0.000512]**	0.00100	"	"	"	"	"	"	J
Ethylbenzene	**0.00916**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.0179**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.000105]**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*353 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*80-120*		"	"	"	"	
(0406221620) N.W.W. (4F23010-14) Water									
Benzene	**0.0987**	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	EPA 8021B	
Toluene	**0.00464**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.000712]**	0.00100	"	"	"	"	"	"	J
Xylene (p/m)	**0.00224**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.000647]**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*595 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
(0406221300) IRRW (4F23010-15) Water									
Benzene	**0.537**	0.00100	mg/L	1	EG40204	06/30/04	07/01/04	EPA 8021B	
Toluene	**0.858**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.141**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.395**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.0833**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*4390 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*132 %*	*80-120*		"	"	"	"	*S-04*
Trip Blank (4F23010-16) Water									
Benzene	ND	0.00100	mg/L	1	EG40204	06/30/04	07/02/04	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		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	

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

REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/06/04 10:39

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 EG40204 - EPA 5030C (GC)										
Blank (EG40204-BLK1)				Prepared & Analyzed: 06/30/04						
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	*23.4*		*ug/l*	*20.0*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*18.4*		"	*20.0*		*92.0*	*80-120*			
LCS (EG40204-BS1)				Prepared & Analyzed: 06/30/04						
Benzene	92.2		ug/l	100		92.2	80-120			
Toluene	100		"	100		100	80-120			
Ethylbenzene	99.3		"	100		99.3	80-120			
Xylene (p/m)	208		"	200		104	80-120			
Xylene (o)	98.6		"	100		98.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*23.6*		"	*20.0*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.6*		"	*20.0*		*108*	*80-120*			
Calibration Check (EG40204-CCV1)				Prepared: 06/30/04 Analyzed: 07/02/04						
Benzene	87.1		ug/l	100		87.1	80-120			
Toluene	98.9		"	100		98.9	80-120			
Ethylbenzene	98.6		"	100		98.6	80-120			
Xylene (p/m)	207		"	200		104	80-120			
Xylene (o)	97.4		"	100		97.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*21.8*		"	*20.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.9*		"	*20.0*		*110*	*80-120*			
Duplicate (EG40204-DUP1)	**Source: 4F23010-08**			Prepared: 06/30/04 Analyzed: 07/02/04						
Benzene	0.166	0.00100	mg/L		0.159			4.31	20	
Toluene	0.177	0.00100	"		0.178			0.563	20	
Ethylbenzene	0.301	0.00100	"		0.295			2.01	20	
Xylene (p/m)	0.494	0.00100	"		0.495			0.202	20	
Xylene (o)	0.173	0.00100	"		0.179			3.41	20	
Surrogate: a,a,a-Trifluorotoluene	*923*		*ug/l*	*20.0*		*4620*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*37.1*		"	*20.0*		*186*	*80-120*			*S-04*

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

REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/06/04 10:39

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 EG40204 - EPA 5030C (GC)										
Matrix Spike (EG40204-MS1)	**Source: 4F23010-03**			Prepared: 06/30/04 Analyzed: 07/02/04						
Benzene	89.9		ug/l	100	ND	89.9	80-120			
Toluene	97.9		"	100	ND	97.9	80-120			
Ethylbenzene	96.2		"	100	ND	96.2	80-120			
Xylene (p/m)	211		"	200	ND	106	80-120			
Xylene (o)	99.1		"	100	ND	99.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	*21.5*		"	*20.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.2*		"	*20.0*		*111*	*80-120*			

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

REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-3132
P.O. Box 302	Project Number: None Given	Reported:
Evergreen CO, 80437	Project Manager: Michael Stewart	07/06/04 10:39

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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: 7-07-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
EG40204-DUP1	8021B BTEX	4-Bromofluorobenzene	Exceeds upper control limit
	8021B BTEX	(Water)	Result calculations based on MDL
	8021B BTEX	(Water)	RPD calculations based on %Recovery
	8021B BTEX	(Water)	J-Flags used
4F23010-08	8021B BTEX	4-Bromofluorobenzene	Exceeds upper control limit
4F23010-08	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23010-11	8021B BTEX	4-Bromofluorobenzene	Exceeds upper control limit
4F23010-11	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23010-13	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23010-15	8021B BTEX	4-Bromofluorobenzene	Exceeds upper control limit
4F23010-15	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
			Default Report (not modified)
4F23010-14	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
EG40204-DUP1	8021B BTEX	a,a,a-Trifluorotoluene	S-04
EG40204-DUP1	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23010-08	8021B BTEX	4-Bromofluorobenzene	S-04
4F23010-08	8021B BTEX	a,a,a-Trifluorotoluene	S-04
4F23010-11	8021B BTEX	4-Bromofluorobenzene	S-04
4F23010-11	8021B BTEX	a,a,a-Trifluorotoluene	S-04
4F23010-12	8021B BTEX	a,a,a-Trifluorotoluene	S-04
4F23010-13	8021B BTEX	a,a,a-Trifluorotoluene	S-04
4F23010-14	8021B BTEX	a,a,a-Trifluorotoluene	S-04
4F23010-15	8021B BTEX	4-Bromofluorobenzene	S-04
4F23010-15	8021B BTEX	a,a,a-Trifluorotoluene	S-04
EG40204-DUP1	8021B BTEX	4-Bromofluorobenzene	S-04
4F23010-12	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit

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

Jul 07 04 11:59a

Project Manager: Michael H. Stewart
Company Name: Remediacon, Inc.
Company Address: P. O. Box 302
City/State/Zip: Evergreen, Colorado 80437
Telephone No: (303) 674-4370 Fax No: (720) 528-8132
Sampler Signature:

Project Name: DEFS - DEFS (Eldridge) Ranch
Project #:
Project Loc: Lea County, New Mexico
PO #:

Pg 1 of 2

4F23010

LAB # (lab use only)	FIELD CODE		Date Sampled	Time Sampled	No. of Containers 40mL glass	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: 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	TOTAL: BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.					RUSH TAT (Pre-Schedule)	Standard TAT
-01	(0406221610)	MW-2	6/22/04	1610	2	✓		✓					✓											✓								✓
-02	(0406221610)	MW-3	6/22/04	1610	2	✓		✓					✓											✓								✓
-03	(0406221625)	MW-7	6/22/04	1625	2	✓		✓					✓											✓								✓
-04	(0406221650)	MW-9	6/22/04	1650	2	✓		✓					✓											✓								✓
-05	(0406221510)	MW-16	6/22/04	1510	2	✓		✓					✓											✓								✓
-06	(0406221515)	MW-17	6/22/04	1515	2	✓		✓					✓											✓								✓
-07	(0406221705)	MW-20	6/22/04	1705	2	✓		✓					✓											✓								✓
-08	(0406221745)	MW-21	6/22/04	1745	2	✓		✓					✓											✓								✓
-09	(0406221730)	MW-22	6/22/04	1730	2	✓		✓					✓											✓								✓
-10	(0406221545)	MW-24	6/22/04	1545	2	✓		✓					✓											✓								✓

Special Instructions: Send fax copy of lab report to Michael Stewart, sent original lab report and invoce to Stephen Weathers, Duke Energy Field Services, 303 17th Street, Suite 2500, Denver, CO 80202

Sample Containers Intact? Y N
Temperature Upon Receipt: 2.5°c
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	6/22/04	1135			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Jeanne McMinn	06-23-04	1135

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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: Michael H. Stewart
Company Name: Remediacon, Inc.
Company Address: P. O. Box 302
City/State/Zip: Evergreen, Colorado 80437
Telephone No: (303) 674-4370
Fax No: (720) 528-8132
Sampler Signature:

Project Name: DEFS - DEFS (Eldridge) Ranch
Project #:
Project Loc: Lea County, New Mexico
PO #:

Pg 2 of 2

4F23010

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers (40mL glass)	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: 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
-11	(040622 1845) DUPC	6/22/04	1845	2	✓		✓					✓											✓				✓
-12	(040622 1545) MW-10	6/22/04	1545	2	✓		✓					✓											✓				✓
-13	(040622 1655) MW	6/22/04	1655	2	✓		✓					✓											✓				✓
-14	(040622 1620) MW	6/22/04	1620	2	✓		✓					✓											✓				✓
-15	(040622 1300) IRRW	6/22/04	1300	2	✓		✓					✓											✓				✓
-16	Trip Blank			2	✓		✓					✓											✓				✓

Special Instructions: Send fax copy of lab report to Michael Stewart, sent original lab report and invoce to Stephen Weathers, Duke Energy Field Services, 303 17th Street, Suite 2500, Denver, CO 80202

Sample Containers Intact? Y N
Temperature Upon Receipt: 2.5° C
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	6/23/04	1135			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Jeanne McMurry	06-23-04	1135

Jul 07 04 11:59a

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ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Michael Stewart

REMEDIACON

P.O. Box 302

Evergreen, CO 80437

Project: DEFS-DEFS (Eldridge) Ranch

Project Number: None Given

Location: Lea County, NM

Lab Order Number: 4F23002

Report Date: 07/08/04

REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/08/04 12:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-HH	4F23002-01	Water	06/21/04 14:22	06/22/04 16:30
MW-15	4F23002-02	Water	06/21/04 14:30	06/22/04 16:30
MW-11	4F23002-03	Water	06/21/04 14:32	06/22/04 16:30
MW-25 (MS/MSD)	4F23002-04	Water	06/21/04 14:35	06/22/04 16:30
MW-DD	4F23002-05	Water	06/21/04 15:15	06/22/04 16:30
MW-14	4F23002-06	Water	06/21/04 15:25	06/22/04 16:30
MW-8	4F23002-07	Water	06/21/04 15:27	06/22/04 16:30
House Well	4F23002-08	Water	06/21/04 15:40	06/22/04 16:30
MW-GG	4F23002-09	Water	06/21/04 15:42	06/22/04 16:30
MW-LL	4F23002-10	Water	06/21/04 16:05	06/22/04 16:30
MW-AA	4F23002-11	Water	06/21/04 16:12	06/22/04 16:30
MW-OO	4F23002-12	Water	06/21/04 16:05	06/22/04 16:30
MW-M	4F23002-13	Water	06/21/04 16:45	06/22/04 16:30
MW-II	4F23002-14	Water	06/21/04 16:47	06/22/04 16:30
MW-KK	4F23002-15	Water	06/21/04 16:50	06/22/04 16:30
MW-R	4F23002-16	Water	06/21/04 17:20	06/22/04 16:30
South Well	4F23002-17	Water	06/21/04 17:20	06/22/04 16:30
MW-S	4F23002-18	Water	06/21/04 17:25	06/22/04 16:30
MW-Q	4F23002-19	Water	06/21/04 17:55	06/22/04 16:30
MW-T	4F23002-20	Water	06/21/04 17:55	06/22/04 16:30
MW-P	4F23002-21	Water	06/21/04 18:03	06/22/04 16:30
Trip Blank	4F23002-22	Water	06/21/04 00:00	06/22/04 16:30
MW-12	4F23002-23	Water	06/22/04 06:50	06/22/04 16:30
MW-FF	4F23002-24	Water	06/22/04 06:50	06/22/04 16:30
Duplicate A	4F23002-25	Water	06/22/04 07:00	06/22/04 16:30
MW-O	4F23002-26	Water	06/22/04 07:35	06/22/04 16:30
MW-NN	4F23002-27	Water	06/22/04 07:40	06/22/04 16:30
MW-13	4F23002-28	Water	06/22/04 07:59	06/22/04 16:30
MW-L	4F23002-29	Water	06/22/04 08:15	06/22/04 16:30
MW-JJ	4F23002-30	Water	06/22/04 08:25	06/22/04 16:30
MW-K	4F23002-31	Water	06/22/04 08:55	06/22/04 16:30
MW-J	4F23002-32	Water	06/22/04 08:57	06/22/04 16:30
MW-I	4F23002-33	Water	06/22/04 09:25	06/22/04 16:30
MW-10	4F23002-34	Water	06/22/04 09:30	06/22/04 16:30

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REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/08/04 12:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-F	4F23002-35	Water	06/22/04 09:50	06/22/04 16:30
MW-G	4F23002-36	Water	06/22/04 09:50	06/22/04 16:30
West Water Well	4F23002-37	Water	06/22/04 09:40	06/22/04 16:30
MW-E	4F23002-38	Water	06/22/04 10:20	06/22/04 16:30
MW-D	4F23002-39	Water	06/22/04 10:22	06/22/04 16:30
MW-C	4F23002-40	Water	06/22/04 10:40	06/22/04 16:30
MW-4	4F23002-41	Water	06/22/04 10:45	06/22/04 16:30
MW-18	4F23002-42	Water	06/22/04 11:10	06/22/04 16:30
MW-19	4F23002-43	Water	06/22/04 11:20	06/22/04 16:30
MW-H	4F23002-44	Water	06/22/04 11:45	06/22/04 16:30
MW-6	4F23002-45	Water	06/22/04 11:50	06/22/04 16:30
MW-1	4F23002-46	Water	06/22/04 12:20	06/22/04 16:30
MW-5	4F23002-47	Water	06/22/04 12:25	06/22/04 16:30
MW-B	4F23002-48	Water	06/22/04 12:45	06/22/04 16:30
MW-A	4F23002-49	Water	06/22/04 12:50	06/22/04 16:30
Duplicate B	4F23002-50	Water	06/22/04 12:00	06/22/04 16:30

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REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/08/04 12:59

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-HH (4F23002-01) Water									
Benzene	**4.51**	0.00500	mg/L	5	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**0.113**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.0128**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.0103**	0.00500	"	"	"	"	"	"	
Xylene (o)	**0.00538**	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*186 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
MW-15 (4F23002-02) Water									
Benzene	**0.00464**	0.00100	mg/L	1	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**J [0.000755]**	0.00100	"	"	"	"	"	"	J
Ethylbenzene	**J [0.000266]**	0.00100	"	"	"	"	"	"	J
Xylene (p/m)	**J [0.000931]**	0.00100	"	"	"	"	"	"	J
Xylene (o)	**J [0.000250]**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*680 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*83.0 %*	*80-120*		"	"	"	"	
MW-11 (4F23002-03) Water									
Benzene	**19.9**	0.0500	mg/L	50	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**6.32**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.394**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**0.603**	0.0500	"	"	"	"	"	"	
Xylene (o)	**0.187**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*318 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
MW-25 (MS/MSD) (4F23002-04) Water									
Benzene	ND	0.00100	mg/L	1	EF42508	06/25/04	06/25/04	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		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.5 %*	*80-120*		"	"	"	"	

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REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/08/04 12:59

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-DD (4F23002-05) Water									
Benzene	**0.635**	0.00500	mg/L	5	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**0.00546**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.0269**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.0833**	0.00500	"	"	"	"	"	"	
Xylene (o)	**I [0.000573]**	0.00500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*515 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*86.0 %*	*80-120*		"	"	"	"	
MW-14 (4F23002-06) Water									
Benzene	**0.320**	0.00100	mg/L	1	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**0.00118**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**I [0.000161]**	0.00100	"	"	"	"	"	"	J
Xylene (p/m)	**I [0.000373]**	0.00100	"	"	"	"	"	"	J
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*135 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		"	"	"	"	
MW-8 (4F23002-07) Water									
Benzene	**9.68**	0.0100	mg/L	10	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**8.62**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.389**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.923**	0.0100	"	"	"	"	"	"	
Xylene (o)	**0.245**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1130 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*123 %*	*80-120*		"	"	"	"	*S-04*
House Well (4F23002-08) Water									
Benzene	**0.0144**	0.00100	mg/L	1	EF42508	06/25/04	06/25/04	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		*122 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*80-120*		"	"	"	"	

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

REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/08/04 12:59

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-GG (4F23002-09) Water									
Benzene	**7.97**	0.0200	mg/L	20	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**0.0871**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**J [0.00869]**	0.0200	"	"	"	"	"	"	J
Xylene (p/m)	**J [0.0152]**	0.0200	"	"	"	"	"	"	J
Xylene (o)	**J [0.00408]**	0.0200	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*130 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	
MW-LL (4F23002-10) Water									
Benzene	**14.9**	0.0500	mg/L	50	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**0.586**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.151**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**0.291**	0.0500	"	"	"	"	"	"	
Xylene (o)	**J [0.0375]**	0.0500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*178 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
MW-AA (4F23002-11) Water									
Benzene	**1.21**	0.00500	mg/L	5	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**0.0139**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.00790**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**J [0.00348]**	0.00500	"	"	"	"	"	"	J
Xylene (o)	**J [0.00180]**	0.00500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*126 %*	*80-120*		"	"	"	"	*S-04*
MW-OO (4F23002-12) Water									
Benzene	**32.6**	0.0500	mg/L	50	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**5.27**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.244**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**0.528**	0.0500	"	"	"	"	"	"	
Xylene (o)	**0.110**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*204 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*94.5 %*	*80-120*		"	"	"	"	

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

REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/08/04 12:59

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-M (4F23002-13) Water									
Benzene	**9.17**	0.0200	mg/L	20	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**0.173**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**0.0967**	0.0200	"	"	"	"	"	"	
Xylene (p/m)	**0.0289**	0.0200	"	"	"	"	"	"	
Xylene (o)	**J [0.00904]**	0.0200	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*129 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		"	"	"	"	
MW-II (4F23002-14) Water									
Benzene	**3.40**	0.0100	mg/L	10	EF42508	06/25/04	06/25/04	EPA 8021B	
Toluene	**1.23**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.0732**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.111**	0.0100	"	"	"	"	"	"	
Xylene (o)	**0.0394**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*208 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		"	"	"	"	
MW-KK (4F23002-15) Water									
Benzene	**1.67**	0.00500	mg/L	5	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**0.239**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.00674**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.0151**	0.00500	"	"	"	"	"	"	
Xylene (o)	**0.00677**	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*124 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*80-120*		"	"	"	"	
MW-R (4F23002-16) Water									
Benzene	**0.0294**	0.00100	mg/L	1	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00151**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**J [0.000561]**	0.00100	"	"	"	"	"	"	J
Xylene (o)	**J [0.000264]**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*120 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.5 %*	*80-120*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South Well (4F23002-17) Water									
Benzene	ND	0.00100	mg/L	1	EF42809	06/28/04	06/28/04	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		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
MW-S (4F23002-18) Water									
Benzene	ND	0.00100	mg/L	1	EF42809	06/28/04	06/28/04	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		*112 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.5 %*	*80-120*		"	"	"	"	
MW-Q (4F23002-19) Water									
Benzene	**7.20**	0.0200	mg/L	20	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**0.0515**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**0.0269**	0.0200	"	"	"	"	"	"	
Xylene (p/m)	**0.0414**	0.0200	"	"	"	"	"	"	
Xylene (o)	**J [0.00623]**	0.0200	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*154 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*89.0 %*	*80-120*		"	"	"	"	
MW-T (4F23002-20) Water									
Benzene	**4.17**	0.0200	mg/L	20	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**J [0.0103]**	0.0200	"	"	"	"	"	"	J
Ethylbenzene	**J [0.0126]**	0.0200	"	"	"	"	"	"	J
Xylene (p/m)	**0.0224**	0.0200	"	"	"	"	"	"	
Xylene (o)	**ND**	0.0200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*126 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-P (4F23002-21) Water									
Benzene	**10.7**	0.0500	mg/L	50	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**J [0.0260]**	0.0500	"	"	"	"	"	"	J
Ethylbenzene	**J [0.0249]**	0.0500	"	"	"	"	"	"	J
Xylene (p/m)	**J [0.0237]**	0.0500	"	"	"	"	"	"	J
Xylene (o)	**ND**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.0 %*	*80-120*		"	"	"	"	
Trip Blank (4F23002-22) Water									
Benzene	ND	0.00100	mg/L	1	EF42809	06/28/04	06/28/04	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		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.0 %*	*80-120*		"	"	"	"	
MW-12 (4F23002-23) Water									
Benzene	**16.3**	0.0500	mg/L	50	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**0.332**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.137**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**0.0736**	0.0500	"	"	"	"	"	"	
Xylene (o)	**J [0.0297]**	0.0500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	
MW-FF (4F23002-24) Water									
Benzene	**3.31**	0.00500	mg/L	5	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**0.00575**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.00705**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**J [0.00246]**	0.00500	"	"	"	"	"	"	J
Xylene (o)	**J [0.00189]**	0.00500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*87.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.5 %*	*80-120*		"	"	"	"	

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P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/08/04 12:59

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Duplicate A (4F23002-25) Water									
Benzene	**17.0**	0.0500	mg/L	50	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**0.313**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.134**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**0.0643**	0.0500	"	"	"	"	"	"	
Xylene (o)	**J [0.0242]**	0.0500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*122 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*83.5 %*	*80-120*		"	"	"	"	
MW-O (4F23002-26) Water									
Benzene	**32.5**	0.0500	mg/L	50	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**0.111**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.0769**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0439]**	0.0500	"	"	"	"	"	"	J
Xylene (o)	**J [0.0115]**	0.0500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*134 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*80-120*		"	"	"	"	
MW-NN (4F23002-27) Water									
Benzene	**35.2**	0.0500	mg/L	50	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**J [0.0368]**	0.0500	"	"	"	"	"	"	J
Ethylbenzene	**0.111**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0400]**	0.0500	"	"	"	"	"	"	J
Xylene (o)	**J [0.00572]**	0.0500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*141 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*97.5 %*	*80-120*		"	"	"	"	
MW-13 (4F23002-28) Water									
Benzene	**12.7**	0.0500	mg/L	50	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**0.338**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.121**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**0.177**	0.0500	"	"	"	"	"	"	
Xylene (o)	**J [0.0191]**	0.0500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*146 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*98.0 %*	*80-120*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-L (4F23002-29) Water									
Benzene	**30.7**	0.100	mg/L	100	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**J [0.0142]**	0.100	"	"	"	"	"	"	J
Ethylbenzene	**0.237**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0575]**	0.100	"	"	"	"	"	"	J
Xylene (o)	**ND**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*110 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.5 %*	*80-120*		"	"	"	"	
MW-JJ (4F23002-30) Water									
Benzene	**17.6**	0.0500	mg/L	50	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**0.384**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**0.162**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0363]**	0.0500	"	"	"	"	"	"	J
Xylene (o)	**J [0.0223]**	0.0500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*119 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.0 %*	*80-120*		"	"	"	"	
MW-K (4F23002-31) Water									
Benzene	**1.62**	0.00500	mg/L	5	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**J [0.00288]**	0.00500	"	"	"	"	"	"	J
Ethylbenzene	**J [0.00293]**	0.00500	"	"	"	"	"	"	J
Xylene (p/m)	**0.00602**	0.00500	"	"	"	"	"	"	
Xylene (o)	**J [0.00279]**	0.00500	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*84.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
MW-J (4F23002-32) Water									
Benzene	ND	0.00100	mg/L	1	EF42809	06/28/04	06/28/04	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		*114 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-I (4F23002-33) Water									
Benzene	**0.552**	0.00100	mg/L	1	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**0.00162**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00176**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00148**	0.00100	"	"	"	"	"	"	
Xylene (o)	**I [0.000525]**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*180 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		"	"	"	"	
MW-10 (4F23002-34) Water									
Benzene	**7.63**	0.0100	mg/L	10	EF42809	06/28/04	06/28/04	EPA 8021B	
Toluene	**0.483**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.0418**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.0752**	0.0100	"	"	"	"	"	"	
Xylene (o)	**0.0200**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*178 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
MW-F (4F23002-35) Water									
Benzene	ND	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	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		*114 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.5 %*	*80-120*		"	"	"	"	
MW-G (4F23002-36) Water									
Benzene	ND	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	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		*114 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
West Water Well (4F23002-37) Water									
Benzene	ND	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	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		*115 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*80-120*	"	"	"	"	
MW-E (4F23002-38) Water									
Benzene	**0.263**	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**J [0.000889]**	0.00100	"	"	"	"	"	"	J
Ethylbenzene	**0.00367**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00119**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.00103**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*132 %*		*80-120*	"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*104 %*		*80-120*	"	"	"	"	
MW-D (4F23002-39) Water									
Benzene	**0.0191**	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**0.00350**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00935**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00852**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.00208**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1900 %*		*80-120*	"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*109 %*		*80-120*	"	"	"	"	
MW-C (4F23002-40) Water									
Benzene	**0.175**	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**0.0581**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.0416**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.0466**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.00950**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*745 %*		*80-120*	"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*117 %*		*80-120*	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (4F23002-41) Water									
Benzene	**5.71**	0.0200	mg/L	20	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**5.63**	0.0200	"	"	"	"	"	"	
Ethylbenzene	**0.287**	0.0200	"	"	"	"	"	"	
Xylene (p/m)	**0.859**	0.0200	"	"	"	"	"	"	
Xylene (o)	**0.207**	0.0200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*392 %*		*80-120*	"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*99.5 %*		*80-120*	"	"	"	"	
MW-18 (4F23002-42) Water									
Benzene	**0.101**	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**0.0233**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.0192**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.0592**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.0206**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1500 %*		*80-120*	"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*99.5 %*		*80-120*	"	"	"	"	
MW-19 (4F23002-43) Water									
Benzene	**0.0532**	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	**J [0.000226]**	0.00100	"	"	"	"	"	"	J
Xylene (p/m)	**J [0.000623]**	0.00100	"	"	"	"	"	"	J
Xylene (o)	**J [0.000233]**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*128 %*		*80-120*	"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*102 %*		*80-120*	"	"	"	"	
MW-H (4F23002-44) Water									
Benzene	**0.00371**	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**J [0.000314]**	0.00100	"	"	"	"	"	"	J
Ethylbenzene	**J [0.000833]**	0.00100	"	"	"	"	"	"	J
Xylene (p/m)	**J [0.000580]**	0.00100	"	"	"	"	"	"	J
Xylene (o)	**J [0.000169]**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*146 %*		*80-120*	"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*105 %*		*80-120*	"	"	"	"	

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REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/08/04 12:59

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (4F23002-45) Water									
Benzene	**0.0465**	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**0.00104**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.0271**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.0525**	0.00100	"	"	"	"	"	"	
Xylene (o)	**I [0.000109]**	0.00100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*680 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
MW-1 (4F23002-46) Water									
Benzene	**0.0762**	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**0.00238**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.0126**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.0293**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.0111**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*615 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*118 %*	*80-120*		"	"	"	"	
MW-5 (4F23002-47) Water									
Benzene	**0.531**	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**1.02**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.145**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.395**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.169**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*8750 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*206 %*	*80-120*		"	"	"	"	*S-04*
MW-B (4F23002-48) Water									
Benzene	**0.274**	0.00100	mg/L	1	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**0.481**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.134**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.474**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.107**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*6500 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*160 %*	*80-120*		"	"	"	"	*S-04*

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REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/08/04 12:59

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A (4F23002-49) Water									
Benzene	**1.53**	0.00500	mg/L	5	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**1.44**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.166**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.512**	0.00500	"	"	"	"	"	"	
Xylene (o)	**0.103**	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1380 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		"	"	"	"	
Duplicate B (4F23002-50) Water									
Benzene	**0.446**	0.00500	mg/L	5	EG40104	06/29/04	06/29/04	EPA 8021B	
Toluene	**0.919**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**0.117**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.334**	0.00500	"	"	"	"	"	"	
Xylene (o)	**0.130**	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1660 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*112 %*	*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 EF42508 - EPA 5030C (GC)										
Blank (EF42508-BLK1)				Prepared & Analyzed: 06/25/04						
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	*24.0*		*ug/l*	*20.0*		*120*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*17.7*		"	*20.0*		*88.5*	*80-120*			
LCS (EF42508-BS1)				Prepared & Analyzed: 06/25/04						
Benzene	91.2		ug/l	100		91.2	80-120			
Toluene	100		"	100		100	80-120			
Ethylbenzene	103		"	100		103	80-120			
Xylene (p/m)	218		"	200		109	80-120			
Xylene (o)	96.5		"	100		96.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	*22.4*		"	*20.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.8*		"	*20.0*		*109*	*80-120*			
Calibration Check (EF42508-CCV1)				Prepared & Analyzed: 06/25/04						
Benzene	95.0		ug/l	100		95.0	80-120			
Toluene	104		"	100		104	80-120			
Ethylbenzene	108		"	100		108	80-120			
Xylene (p/m)	221		"	200		110	80-120			
Xylene (o)	102		"	100		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	*23.5*		"	*20.0*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.8*		"	*20.0*		*114*	*80-120*			
Duplicate (EF42508-DUP1)	**Source: 4F23002-14**			Prepared & Analyzed: 06/25/04						
Benzene	3.71	0.0100	mg/L		3.40			8.72	20	
Toluene	1.36	0.0100	"		1.23			10.0	20	
Ethylbenzene	0.0803	0.0100	"		0.0732			9.25	20	
Xylene (p/m)	0.120	0.0100	"		0.111			7.79	20	
Xylene (o)	0.0402	0.0100	"		0.0394			2.01	20	
Surrogate: a,a,a-Trifluorotoluene	*44.9*		*ug/l*	*20.0*		*224*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*20.7*		"	*20.0*		*104*	*80-120*			

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 EF42809 - EPA 5030C (GC)										
Blank (EF42809-BLK1)				Prepared & Analyzed: 06/28/04						
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	*23.6*		*ug/l*	*20.0*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*17.2*		"	*20.0*		*86.0*	*80-120*			
LCS (EF42809-BS1)				Prepared & Analyzed: 06/28/04						
Benzene	96.8		ug/l	100		96.8	80-120			
Toluene	108		"	100		108	80-120			
Ethylbenzene	106		"	100		106	80-120			
Xylene (p/m)	223		"	200		112	80-120			
Xylene (o)	102		"	100		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	*23.8*		"	*20.0*		*119*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.4*		"	*20.0*		*117*	*80-120*			
Calibration Check (EF42809-CCV1)				Prepared & Analyzed: 06/28/04						
Benzene	82.1		ug/l	100		82.1	80-120			
Toluene	89.0		"	100		89.0	80-120			
Ethylbenzene	87.0		"	100		87.0	80-120			
Xylene (p/m)	180		"	200		90.0	80-120			
Xylene (o)	86.7		"	100		86.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	*19.5*		"	*20.0*		*97.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*20.5*		"	*20.0*		*102*	*80-120*			
Duplicate (EF42809-DUP1)	**Source: 4F23002-16**			Prepared & Analyzed: 06/28/04						
Benzene	0.0304	0.00100	mg/L		0.0294			3.34	20	
Toluene	ND	0.00100	"		ND				20	
Ethylbenzene	0.00152	0.00100	"		0.00151			0.660	20	
Xylene (p/m)	0.000517	0.00100	"		0.000561			8.16	20	J
Xylene (o)	0.000237	0.00100	"		0.000264			10.8	20	J
Surrogate: a,a,a-Trifluorotoluene	*24.0*		*ug/l*	*20.0*		*120*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*16.7*		"	*20.0*		*83.5*	*80-120*			

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 EF42809 - EPA 5030C (GC)										
Matrix Spike (EF42809-MS1)	**Source: 4F23002-17**			Prepared & Analyzed: 06/28/04						
Benzene	95.1		ug/l	100	ND	95.1	80-120			
Toluene	106		"	100	ND	106	80-120			
Ethylbenzene	103		"	100	ND	103	80-120			
Xylene (p/m)	224		"	200	ND	112	80-120			
Xylene (o)	104		"	100	ND	104	80-120			
Surrogate: a,a,a-Trifluorotoluene	*23.7*		"	*20.0*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*		"	*20.0*		*120*	*80-120*			
Batch EG40104 - EPA 5030C (GC)										
Blank (EG40104-BLK1)				Prepared & Analyzed: 06/29/04						
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	*23.4*		*ug/l*	*20.0*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*18.4*		"	*20.0*		*92.0*	*80-120*			
LCS (EG40104-BS1)				Prepared & Analyzed: 06/29/04						
Benzene	96.2		ug/l	100		96.2	80-120			
Toluene	102		"	100		102	80-120			
Ethylbenzene	99.7		"	100		99.7	80-120			
Xylene (p/m)	205		"	200		102	80-120			
Xylene (o)	97.7		"	100		97.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	*23.8*		"	*20.0*		*119*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*20.2*		"	*20.0*		*101*	*80-120*			

REMEDIACON	Project: DEFS-DEFS (Eldridge) Ranch	Fax: 720-528-8132
P.O. Box 302	Project Number: None Given	**Reported:**
Evergreen CO, 80437	Project Manager: Michael Stewart	07/08/04 12:59

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 EG40104 - EPA 5030C (GC)										
LCS Dup (EG40104-BSD1)				Prepared & Analyzed: 06/29/04						
Benzene	92.7		ug/l	100		92.7	80-120	3.71	20	
Toluene	100		"	100		100	80-120	1.98	20	
Ethylbenzene	99.3		"	100		99.3	80-120	0.402	20	
Xylene (p/m)	208		"	200		104	80-120	1.94	20	
Xylene (o)	98.6		"	100		98.6	80-120	0.917	20	
Surrogate: a,a,a-Trifluorotoluene	*23.6*		"	*20.0*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.6*		"	*20.0*		*108*	*80-120*			
Calibration Check (EG40104-CCV1)				Prepared & Analyzed: 06/29/04						
Benzene	97.2		ug/l	100		97.2	80-120			
Toluene	105		"	100		105	80-120			
Ethylbenzene	106		"	100		106	80-120			
Xylene (p/m)	217		"	200		108	80-120			
Xylene (o)	106		"	100		106	80-120			
Surrogate: a,a,a-Trifluorotoluene	*23.4*		"	*20.0*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.1*		"	*20.0*		*116*	*80-120*			
Duplicate (EG40104-DUP1)		**Source: 4F23002-38**		Prepared & Analyzed: 06/29/04						
Benzene	0.253	0.00100	mg/L		0.263			3.88	20	
Toluene	0.000824	0.00100	"		0.000889			7.59	20	J
Ethylbenzene	0.00374	0.00100	"		0.00367			1.89	20	
Xylene (p/m)	0.00280	0.00100	"		0.00119			80.7	20	QR-02
Xylene (o)	0.00120	0.00100	"		0.00103			15.2	20	
Surrogate: a,a,a-Trifluorotoluene	*34.5*		*ug/l*	*20.0*		*172*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*19.2*		"	*20.0*		*96.0*	*80-120*			
Matrix Spike (EG40104-MS1)		**Source: 4F23002-35**		Prepared & Analyzed: 06/29/04						
Benzene	82.0		ug/l	100	ND	82.0	80-120			
Toluene	92.7		"	100	ND	92.7	80-120			
Ethylbenzene	85.5		"	100	ND	85.5	80-120			
Xylene (p/m)	187		"	200	ND	93.5	80-120			
Xylene (o)	87.5		"	100	ND	87.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	*21.2*		"	*20.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*17.7*		"	*20.0*		*88.5*	*80-120*			

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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: 7/8/04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
4F23002-46	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-33	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-34	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-38	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-40	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-42	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-39	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-41	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-43	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
EF42508-DUP1	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-44	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-20	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-47	8021B BTEX	4-Bromofluorobenzene	Exceeds upper control limit
4F23002-47	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-49	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-02	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-48	8021B BTEX	4-Bromofluorobenzene	Exceeds upper control limit
4F23002-48	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-50	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
			Default Report (not modified)
4F23002-45	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-10	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
	8021B BTEX	(Water)	Result calculations based on MDL
	8021B BTEX	(Water)	RPD calculations based on %Recovery
	8021B BTEX	(Water)	J-Flags used
4F23002-01	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-05	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-06	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-07	8021B BTEX	4-Bromofluorobenzene	Exceeds upper control limit
4F23002-07	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-28	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-09	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-26	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-11	8021B BTEX	4-Bromofluorobenzene	Exceeds upper control limit
4F23002-12	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-13	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-15	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-19	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-25	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-27	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-14	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
EG40104-DUP1	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-08	8021B BTEX	a,a,a-Trifluorotoluene	Exceeds upper control limit
4F23002-46	8021B BTEX	a,a,a-Trifluorotoluene	S-04
4F23002-33	8021B BTEX	a,a,a-Trifluorotoluene	S-04
4F23002-34	8021B BTEX	a,a,a-Trifluorotoluene	S-04
4F23002-38	8021B BTEX	a,a,a-Trifluorotoluene	S-04
4F23002-39	8021B BTEX	a,a,a-Trifluorotoluene	S-04
4F23002-40	8021B BTEX	a,a,a-Trifluorotoluene	S-04
4F23002-41	8021B BTEX	a,a,a-Trifluorotoluene	S-04