

**AP - 36**

**STAGE 1 & 2  
REPORTS**

**DATE:**

**4/2004**

# **ANNUAL MONITORING REPORT**

*AP-036  
XK 139*

**TNM 97-23**

**LEA COUNTY, NEW MEXICO**

**NE ¼ NE ¼ SECTION 14, TOWNSHIP 22 SOUTH, RANGE 37 EAST**

**NW ¼ NE ¼ SECTION 14, TOWNSHIP 22 SOUTH, RANGE 37 EAST**

**LINK ENERGY LEAK NUMBER: TNM 97-23-KNOWN**

**ETGI PROJECT NUMBER: LI 2010**

**PREPARED FOR:**

**LINK ENERGY  
5805 EAST HIGHWAY 80  
MIDLAND, TEXAS 79701**

**PREPARED BY:**

**ENVIRONMENTAL TECHNOLOGY GROUP, INC.  
2540 WEST MARLAND  
HOBBS, NEW MEXICO 88240**

**April 2004**

# **ANNUAL MONITORING REPORT**

**TNM 97-23**

**LEA COUNTY, NEW MEXICO**

**NE ¼ of the NE ¼ of SECTION 14, TOWNSHIP 22 SOUTH, RANGE 37 EAST  
NW ¼ of the NE ¼ of SECTION 14, TOWNSHIP 22 SOUTH, RANGE 37 EAST**

**LINK ENERGY LEAK NUMBER: TNM 97-23-KNOWN**

**ETGI PROJECT NUMBER: LI 2010**

**PREPARED FOR:**

**LINK ENERGY  
5805 EAST HIGHWAY 80  
MIDLAND, TEXAS 79701**

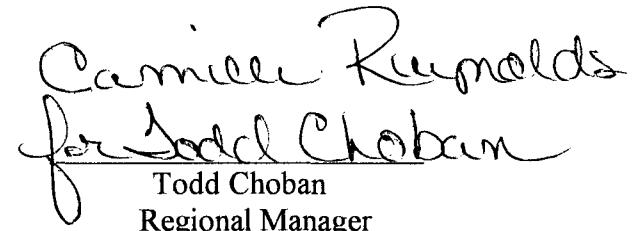
**PREPARED BY:**

**ENVIRONMENTAL TECHNOLOGY GROUP, INC.  
2540 WEST MARLAND  
HOBBS, NEW MEXICO 88240**

**April 2004**



**Robert B Eidson  
Geologist / Senior Project Manager**



**Camille Reynolds  
for Todd Choban**

**Todd Choban  
Regional Manager**

## TABLE OF CONTENTS

INTRODUCTION .....	1
FIELD ACTIVITIES .....	1
GROUNDWATER GRADIENT .....	1
LABORATORY RESULTS .....	2
SUMMARY .....	2
DISTRIBUTION .....	3

### FIGURES

Figure 1 – Site Location Map

Figure 2A – Inferred Groundwater Gradient Map February 24, 2003

2B – Inferred Groundwater Gradient Map May 20, 2003

2C – Inferred Groundwater Gradient Map August 28, 2003

2D – Inferred Groundwater Gradient Map November 26, 2003

Figure 3A – Groundwater Concentration Map February 24, 2003

3B – Groundwater Concentration Map May 20, 2003

3C – Groundwater Concentration Map August 28, 2003

3D – Groundwater Concentration Map November 26, 2003

### TABLES

Table 1 – Groundwater Elevation Data

Table 2 – Concentrations of BTEX in Groundwater

### APPENDICES

Appendix A – Laboratory Reports

## **INTRODUCTION**

Environmental Technology Group, Inc. (ETGI), on behalf of Link Energy (Link), has prepared this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. This report is intended to be viewed as a complete document with figures, attachments, tables and text. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2003 only. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during four monitoring events in calendar year 2003 to assess the levels and extent of dissolved phase and Phase-Separated Hydrocarbon (PSH) constituents. The groundwater monitoring events consisted of measuring static water levels in the monitor wells, checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

## **FIELD ACTIVITIES**

The site monitor wells were gauged and sampled on February 24, May 20, August 28 and November 26, 2003. During each sampling event the monitor wells were purged of approximately three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Groundwater was allowed to recharge and samples were obtained using a disposable Teflon sampler. Water samples were collected in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Vista Trucking of Eunice, New Mexico from January through September and by Lobo Trucking, Hobbs, New Mexico between October and December 2003 utilizing a licensed disposal facility (NMOCD AO SWD-730).

## **GROUNDWATER GRADIENT**

Locations of the monitor wells and the inferred groundwater gradient, constructed from measurements collected during the quarterly monitoring events are depicted on Figures 2A-2D, the Inferred Groundwater Gradient Maps. Cumulative groundwater elevation data is provided as Table 1. Groundwater elevation contours, generated from water level measurements acquired during the monitoring events of 2003, indicated a general gradient of 0.003 ft./ft. to the southeast as measured between groundwater monitor wells MW-2 and MW-3. The depth to groundwater, as measured from the top of the well casing, ranged between 56.92 to 62.26 feet below grade surface in the shallow alluvial aquifer. No detectable or measurable amounts of PSH have been recorded during this monitoring period.

## **LABORATORY RESULTS**

Groundwater samples collected during the monitoring events were delivered to AnalySys Inc., Austin, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method SW846-8260b. A cumulative listing of BTEX constituent concentrations is summarized in Table 2 and copies of the laboratory reports generated during this reporting period are provided as Appendix A. Groundwater sampling results for benzene and total BTEX concentrations are depicted on, Figures 3A-3D, the Groundwater Concentration Maps. A duplicate groundwater sample collected from monitor well MW-5 on August 28, 2003 and identified as MW-6 on the chain-of-custody, was submitted as a QA/QC control sample. Results obtained from analysis of this sample were within QC reporting parameters as listed on the laboratory reports.

Laboratory results obtained from analysis of the groundwater samples obtained during the monitoring period indicate that the benzene and total BTEX concentrations are below applicable NMOCD regulatory standards.

## **SUMMARY**

This report presents the results of groundwater monitoring activities for the annual monitoring period of calendar year 2003. ~~No detectable or measurable amounts of PSH have been recorded during this monitoring period.~~

Groundwater elevation contours, generated from water level measurements acquired during the quarterly monitoring events of 2003, indicated a general gradient of 0.003 ft./ft. to the southeast as measured between groundwater monitor wells MW-2 and MW-3.

Review of the laboratory results generated from analysis of the groundwater samples obtained during the monitoring period indicates that the benzene and total BTEX concentrations are below applicable NMOCD regulatory standards.

Groundwater sampling results from samples collected at monitor wells MW-1, MW-2, MW-3 and MW-5 have not exceeded the NMOCD regulatory standards for benzene or total BTEX concentrations for at least eight consecutive monitoring events. At this time, we are requesting that the above referenced monitor wells be gauged quarterly but sampled annually, until conditions for site closure are met.

## **DISTRIBUTION**

Copy 1 & 2: William C. Olson and Ed Martin  
New Mexico Oil Conservation Division  
Environmental Bureau  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Copy 3: Chris Williams  
New Mexico Oil Conservation Division (District 1)  
1625 French Drive  
Hobbs, New Mexico 88240

Copy 4: Jeff Dann  
Link Energy  
2000 W. Sam Houston Parkway  
Suite 400  
Houston, Texas 77042

Copy 5: Jimmy Bryant  
Link Energy  
5805 Highway 80 East  
Midland, Texas 79701

Copy 6: Environmental Technology Group, Inc.  
4600 West Wall Street  
Midland, Texas 79703

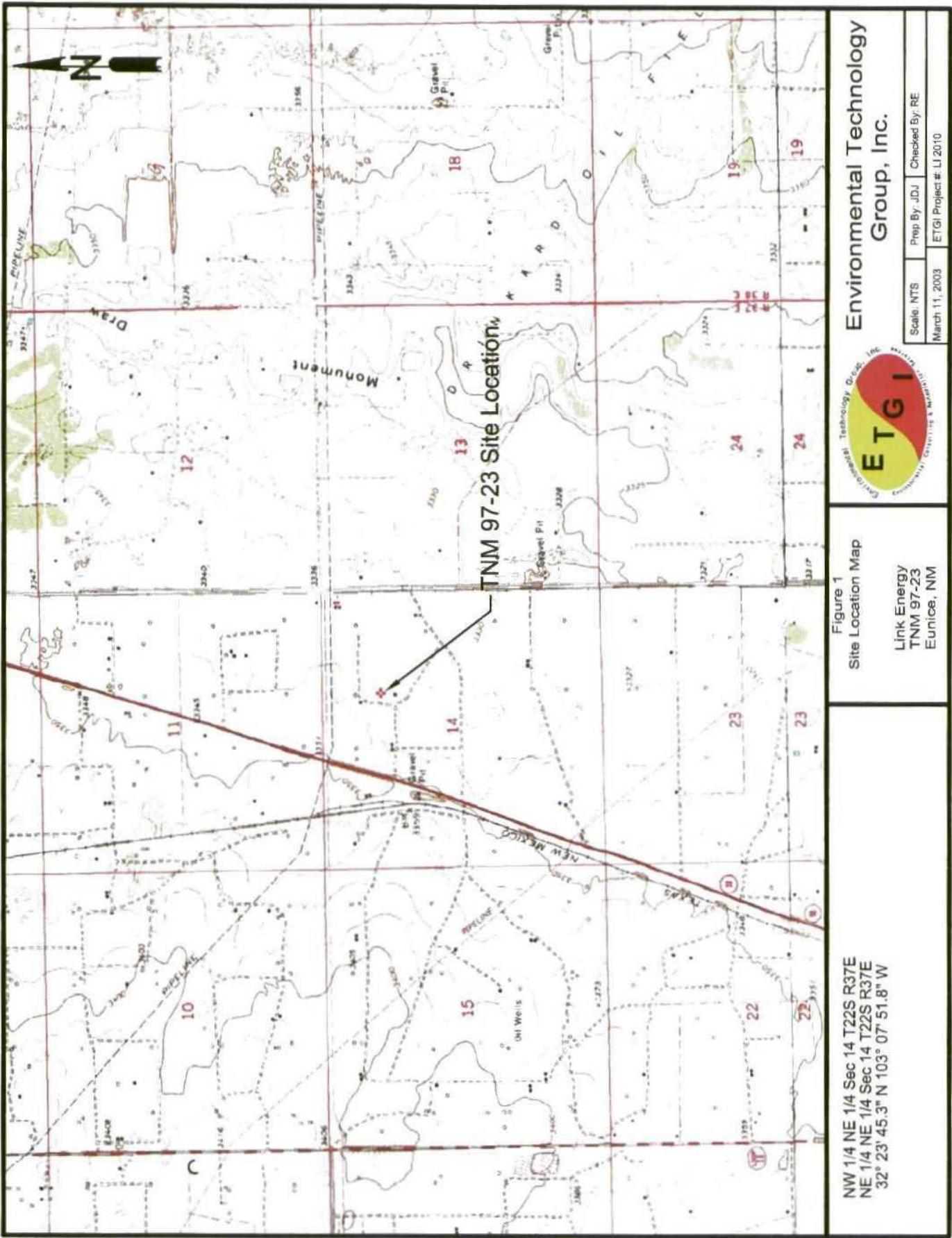
Copy 7: Environmental Technology Group, Inc.  
2540 West Marland  
Hobbs, New Mexico 88240

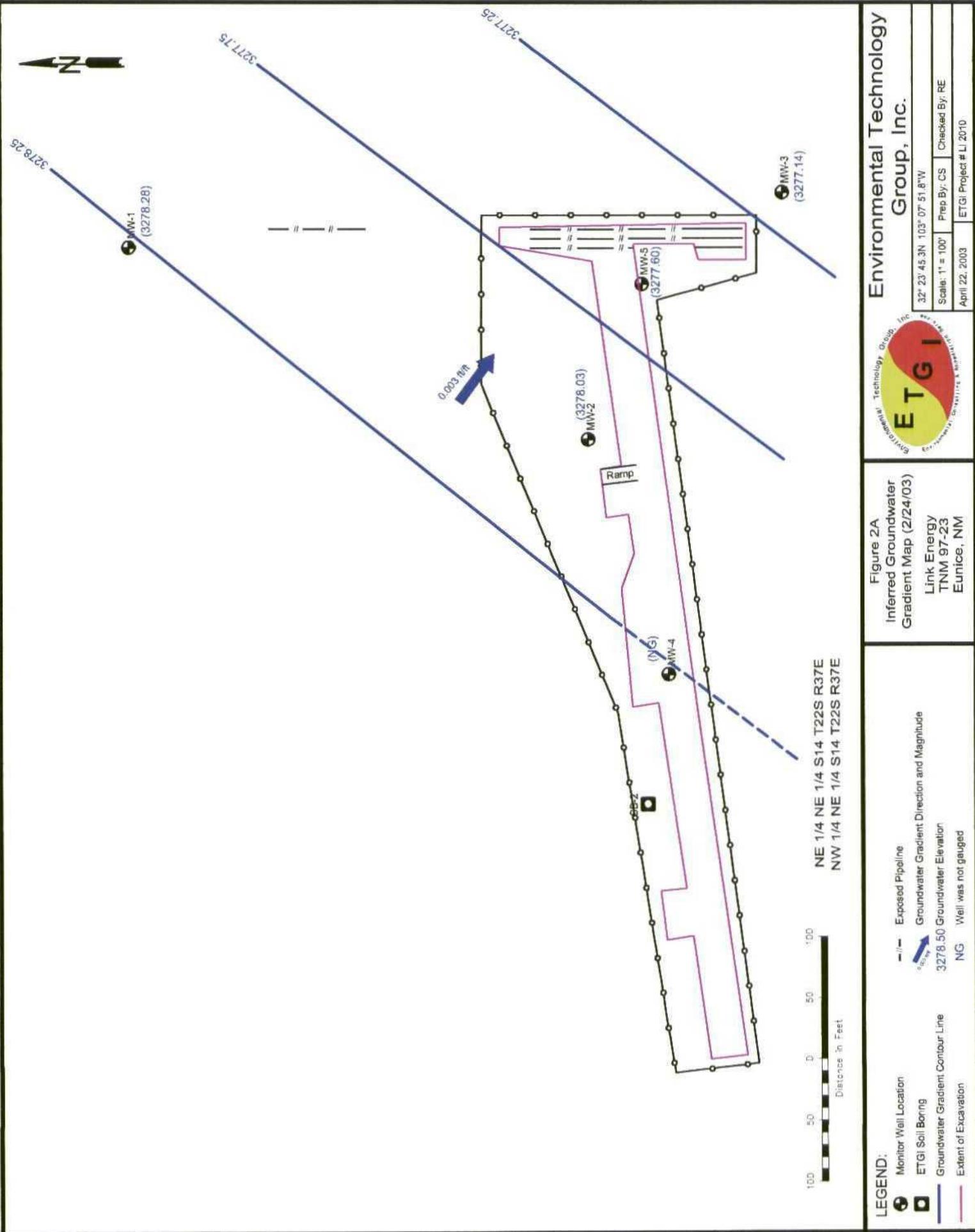
Copy Number: \_\_\_\_\_

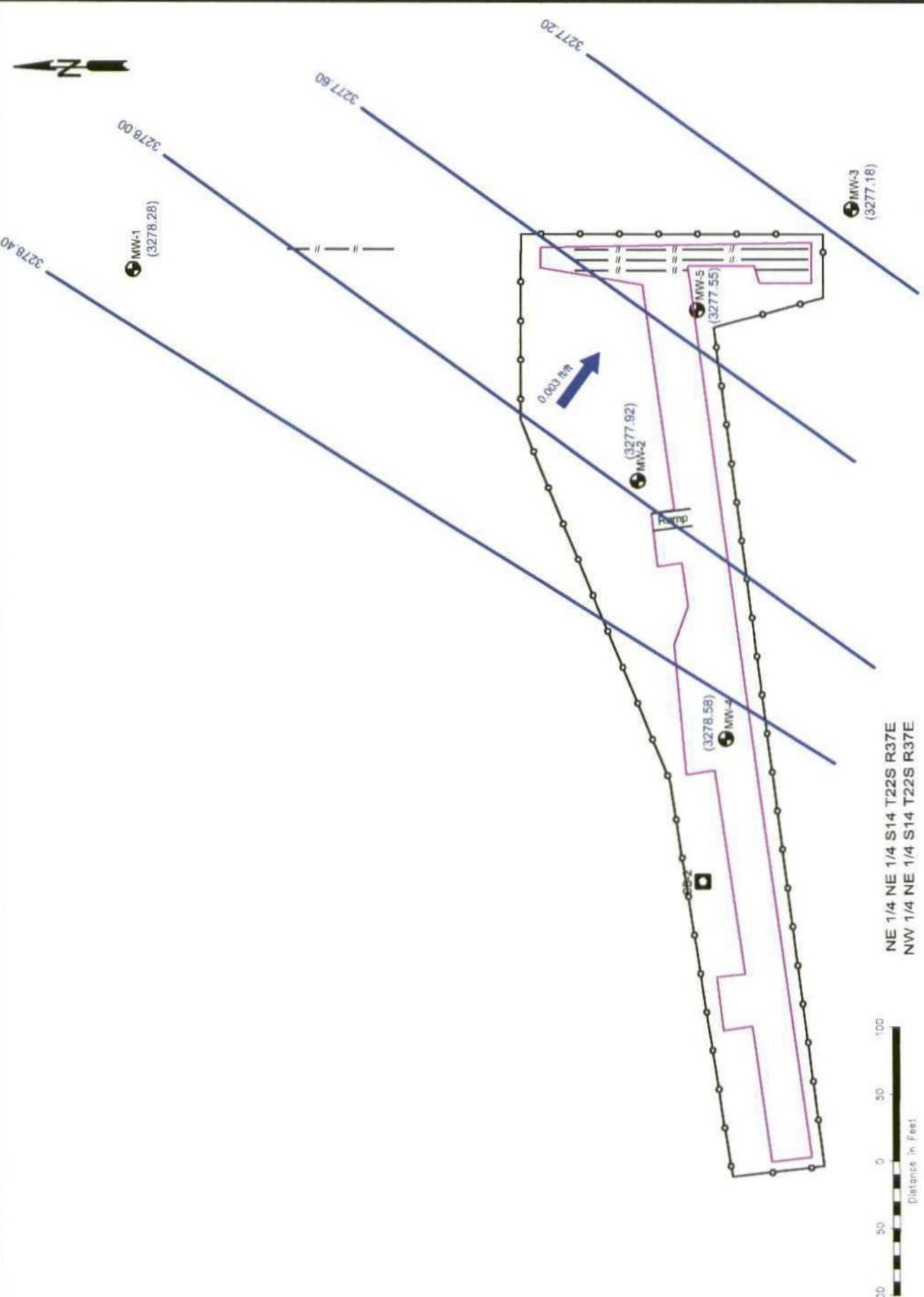
---

Quality Control Review

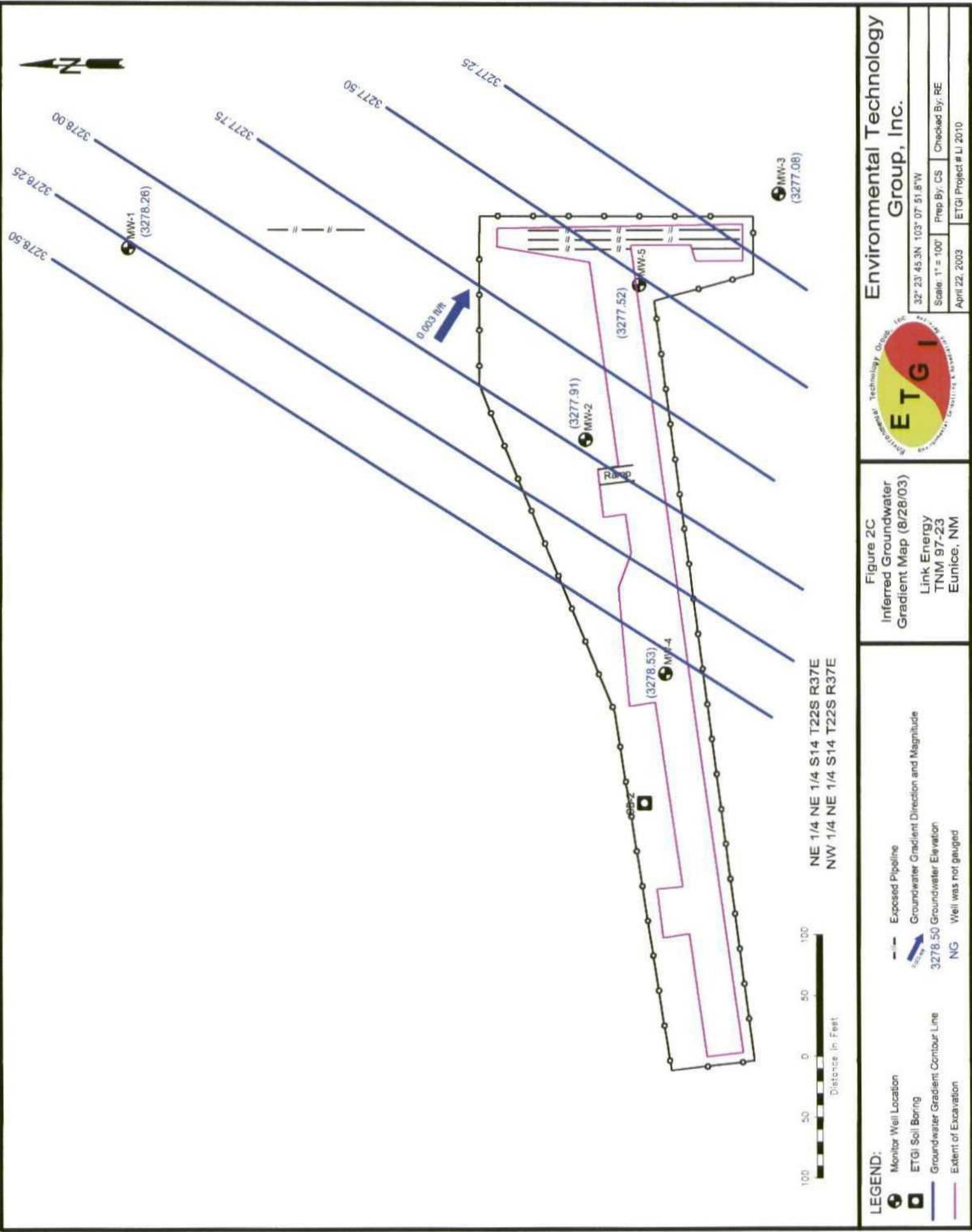
## **FIGURES**

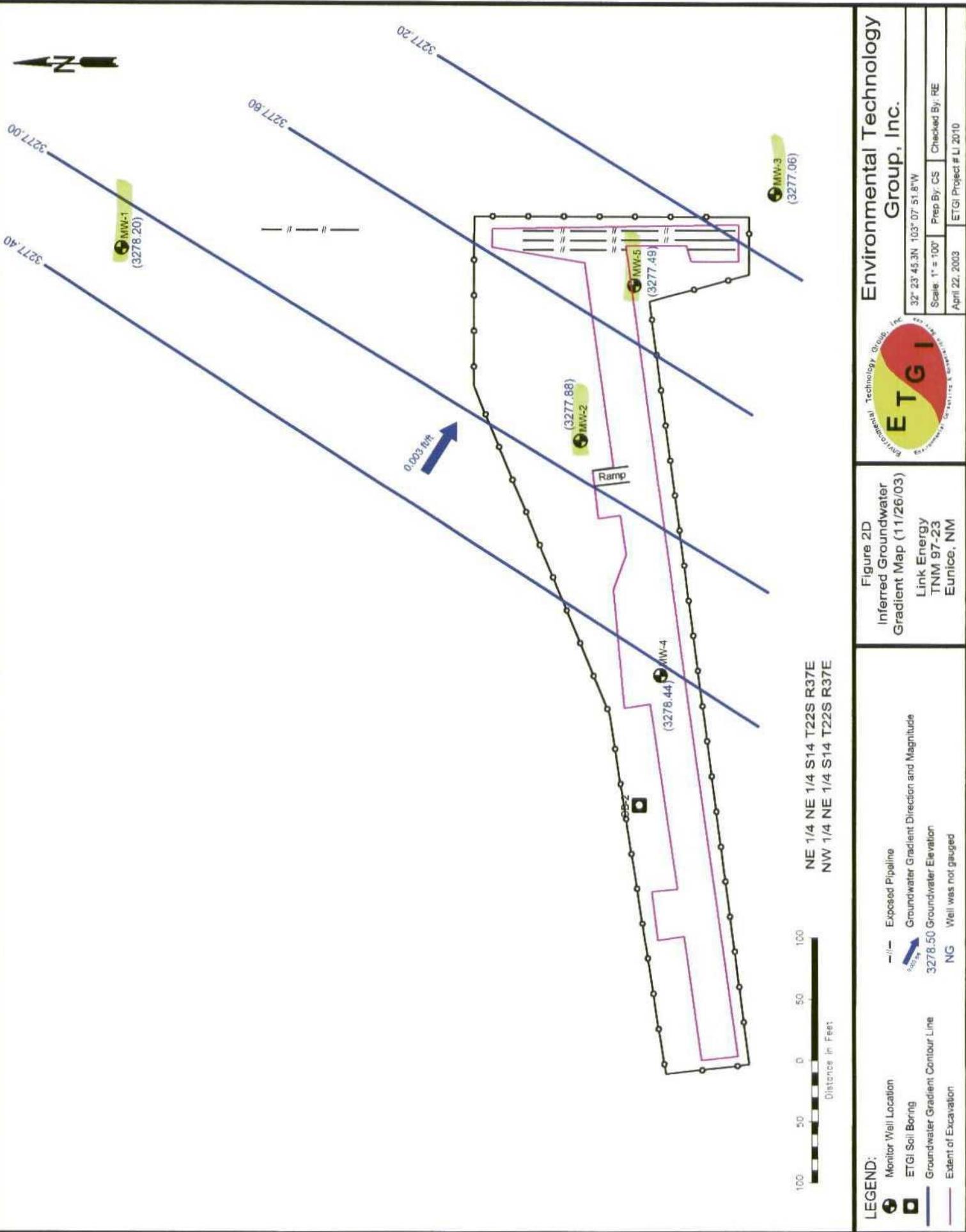


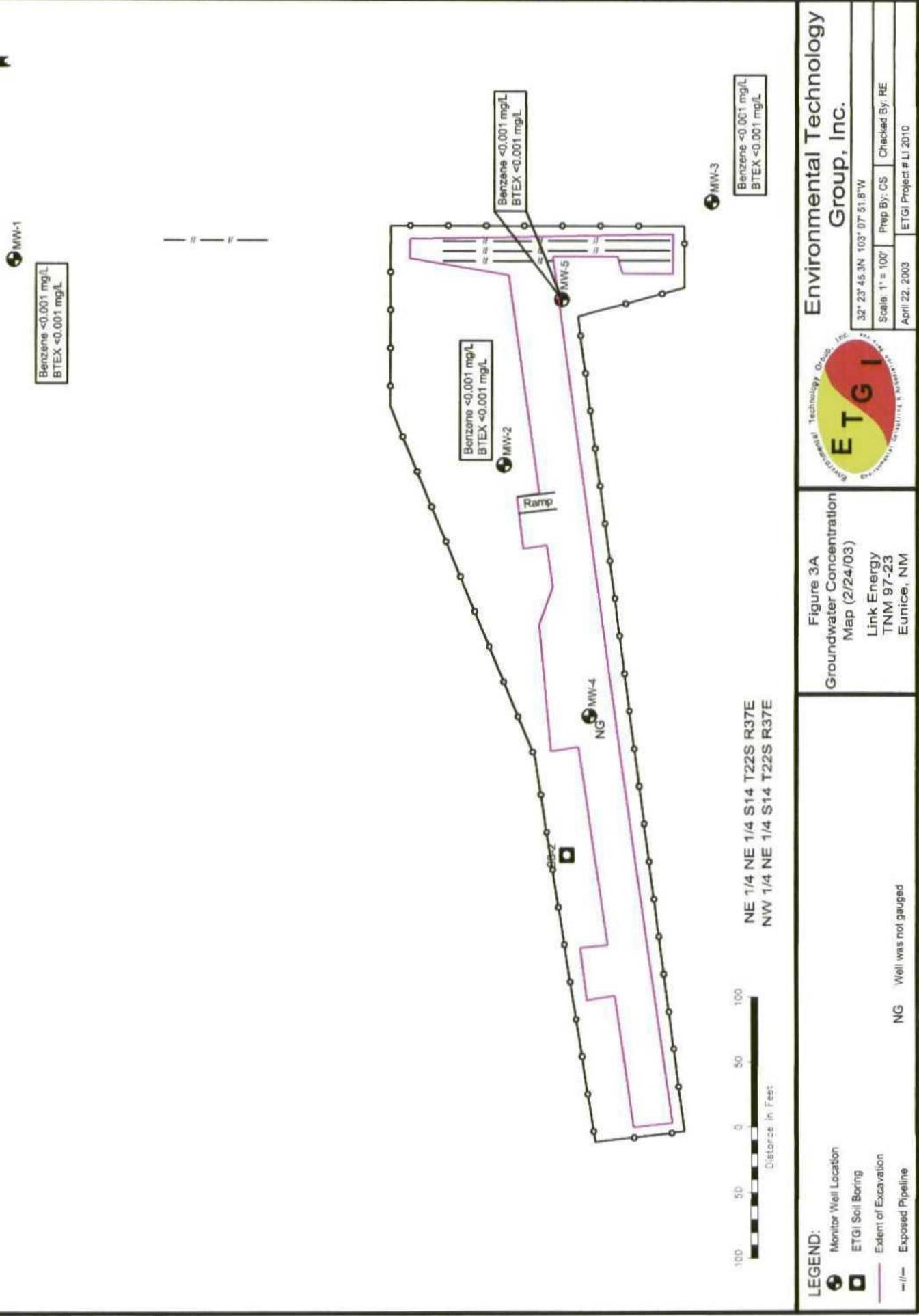


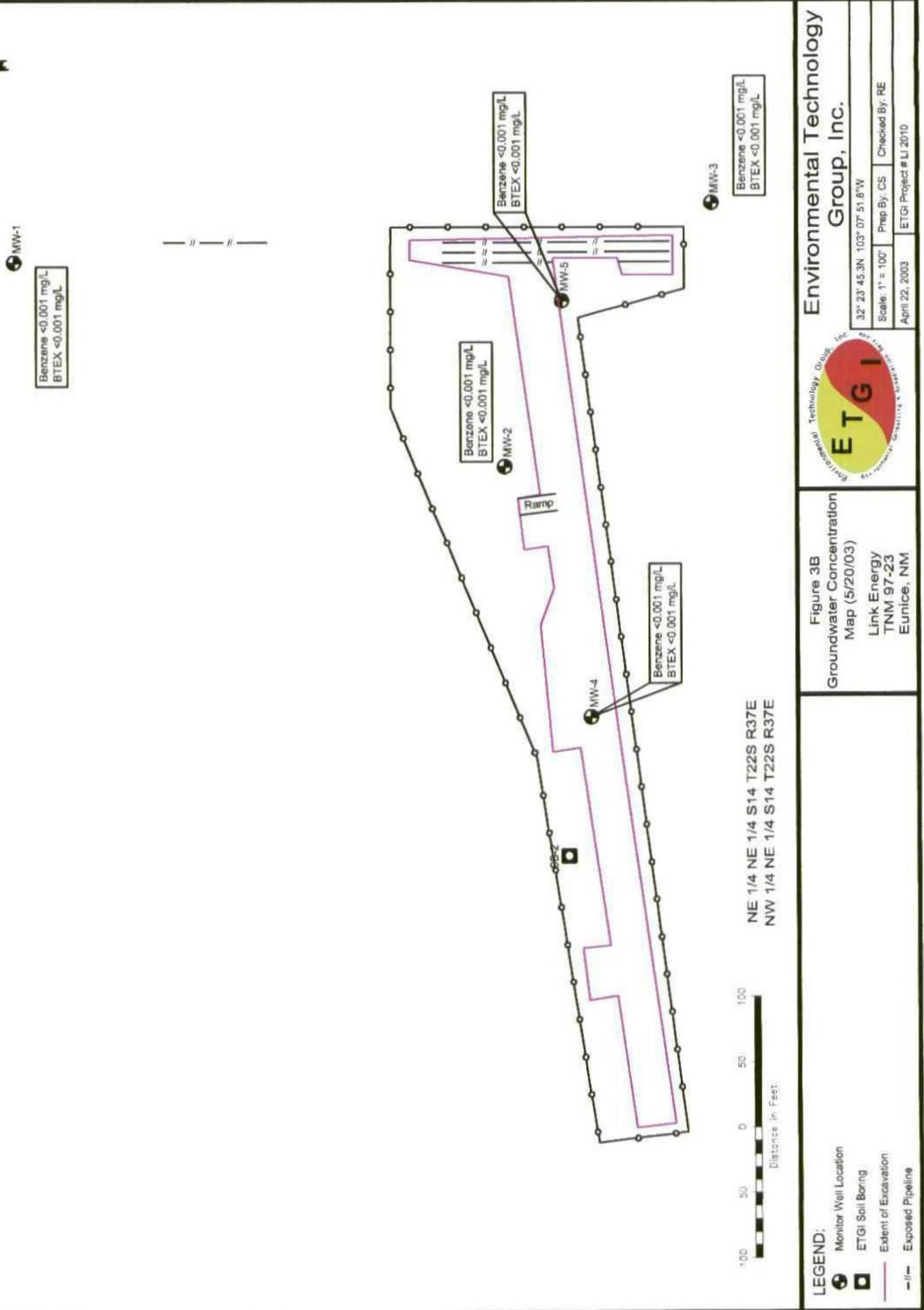


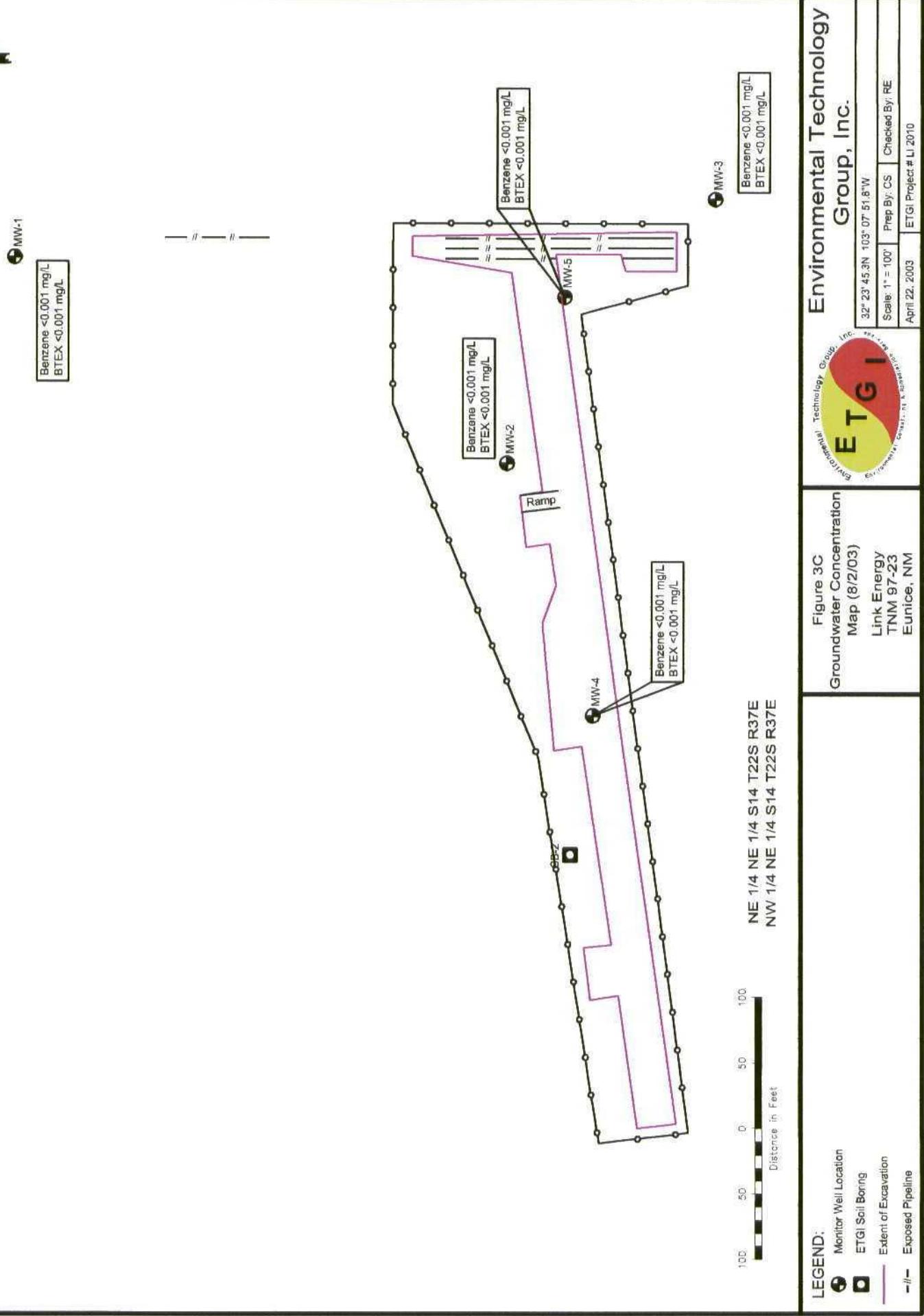
<b>Environmental Technology Group, Inc.</b>		
32° 23' 45.3N 103° 07' 51.8W	Prep By: CS	Checked By: RE
Scale: 1" = 100'		
April 22, 2003	ETGI Project # LI 2010	
Figure 2B Inferred Groundwater Gradient Map (5/20/03)	Link Energy TNM 97-23 Eunice, NM	

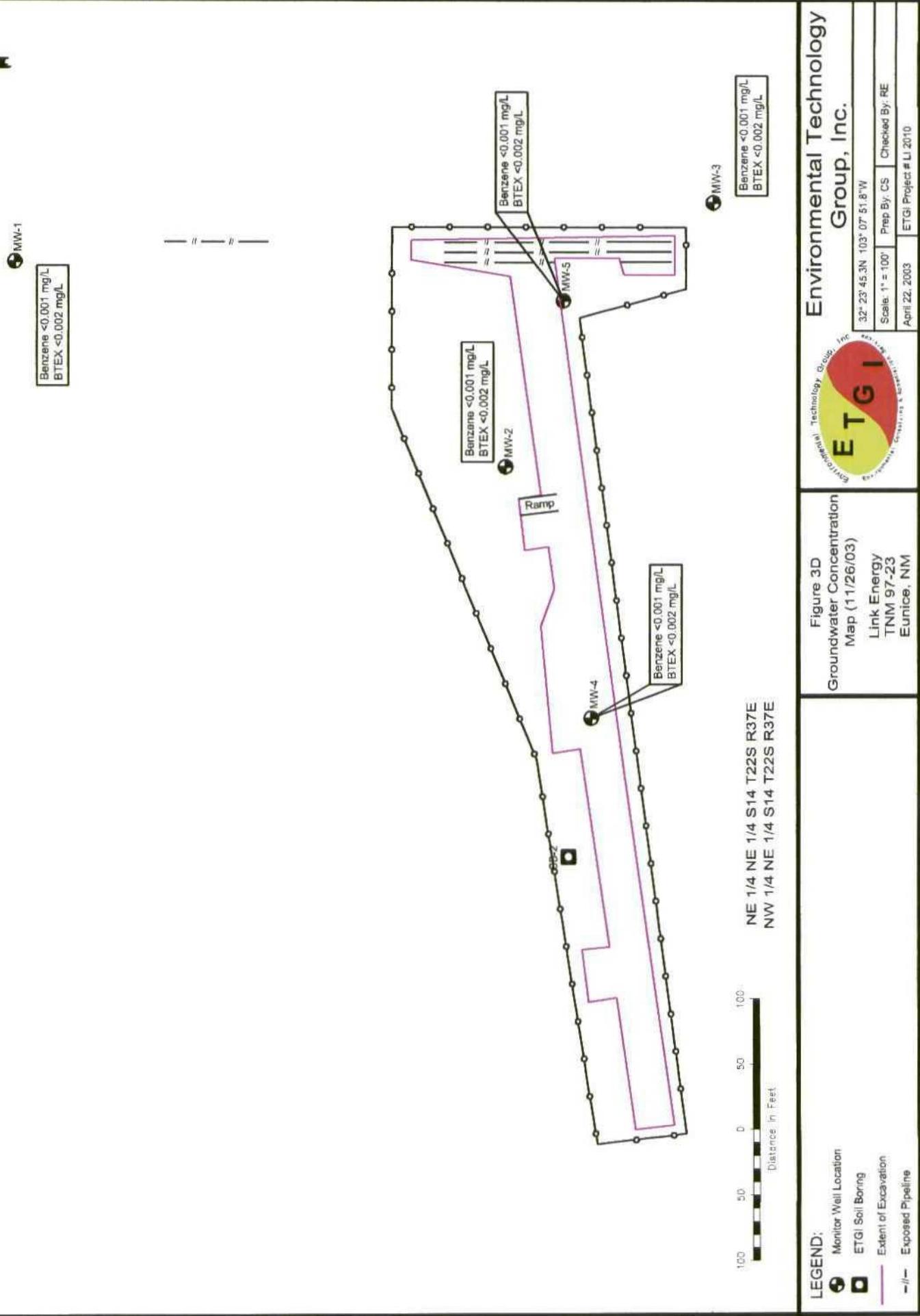












**TABLES**

**TABLE 1**  
**GROUNDWATER ELEVATION DATA**

**LINK ENERGY  
 TNM 97- 23  
 LEA COUNTY, NEW MEXICO  
 ETGI PROJECT # LI 2010**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	11/04/99	3,338.00	-	59.26	0.00	3,278.74
	02/25/00	3,338.00	-	59.33	0.00	3,278.67
	06/06/00	3,338.00	-	59.36	0.00	3,278.64
	09/15/00	3,338.00	-	59.42	0.00	3,278.58
	11/30/00	3,338.00	-	59.44	0.00	3,278.56
	03/16/01	3,338.00	-	59.38	0.00	3,278.62
	06/04/01	3,338.00	-	59.39	0.00	3,278.61
	09/24/01	3,338.00	-	59.48	0.00	3,278.52
	10/30/01	3,338.00	-	59.45	0.00	3,278.55
	01/28/02	3,338.00	-	59.54	0.00	3,278.46
	05/21/02	3,338.00	-	59.57	0.00	3,278.43
	09/19/02	3,338.00	-	59.71	0.00	3,278.29
	12/16/02	3,338.00	-	59.64	0.00	3,278.36
	02/24/03	3,338.00	-	59.72	0.00	3,278.28
	05/20/03	3,338.00	-	59.72	0.00	3,278.28
	08/28/03	3,338.00	-	59.74	0.00	3,278.26
	11/26/03	3,338.00	-	59.80	0.00	3,278.20
MW - 2	02/25/00	3,336.79	-	58.57	0.00	3,278.22
	06/06/00	3,336.79	-	58.60	0.00	3,278.19
	09/15/00	3,336.79	-	58.66	0.00	3,278.13
	11/30/00	3,336.79	-	58.66	0.00	3,278.13
	03/16/01	3,336.79	-	58.62	0.00	3,278.17
	06/04/01	3,336.79	-	58.63	0.00	3,278.16
	09/24/01	3,336.79	-	58.61	0.00	3,278.18
	10/30/01	3,336.79	-	58.72	0.00	3,278.07
	01/28/02	3,336.79	-	58.74	0.00	3,278.05
	05/21/02	3,336.79	-	58.78	0.00	3,278.01
	09/19/02	3,336.79	-	58.70	0.00	3,278.09
	12/16/02	3,336.79	-	58.64	0.00	3,278.15
	02/24/03	3,336.79	-	58.76	0.00	3,278.03
	05/20/03	3,336.79	-	58.87	0.00	3,277.92
	08/29/03	3,336.79	-	58.88	0.00	3,277.91
	11/26/03	3,336.79	-	58.91	0.00	3,277.88

**TABLE 1**  
**GROUNDWATER ELEVATION DATA**

**LINK ENERGY**  
**TNM 97- 23**  
**LEA COUNTY, NEW MEXICO**  
**ETGI PROJECT # LI 2010**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	02/25/00	3,339.32	-	61.89	0.00	3,277.43
	06/06/00	3,339.32	-	61.91	0.00	3,277.41
	09/15/00	3,339.32	-	61.98	0.00	3,277.34
	11/30/00	3,339.32	-	62.00	0.00	3,277.32
	03/16/01	3,339.32	-	61.95	0.00	3,277.37
	06/04/01	3,339.32	-	61.95	0.00	3,277.37
	09/24/01	3,339.32	-	61.99	0.00	3,277.33
	10/30/01	3,339.32	-	62.22	0.00	3,277.10
	01/28/02	3,339.32	-	62.05	0.00	3,277.27
	05/21/02	3,339.32	-	62.05	0.00	3,277.27
	09/19/02	3,339.32	-	62.17	0.00	3,277.15
	12/16/02	3,339.32	-	62.04	0.00	3,277.28
	02/24/03	3,339.32	-	62.18	0.00	3,277.14
	05/20/03	3,339.32	-	62.14	0.00	3,277.18
MW - 4	08/28/03	3,339.32	-	62.24	0.00	3,277.08
	11/26/03	3,339.32	-	62.26	0.00	3,277.06
	02/25/00	3,335.50	-	56.81	0.00	3,278.69
	06/06/00	3,335.50	-	56.82	0.00	3,278.68
	09/15/00	3,335.50	-	56.85	0.00	3,278.65
	11/30/00	3,335.50	-	56.85	0.00	3,278.65
	03/16/01	3,335.50	-	56.74	0.00	3,278.76
	06/04/01	3,335.50	-	56.76	0.00	3,278.74
	09/24/01	3,335.50	-	56.83	0.00	3,278.67
	10/30/01	3,335.50	-	56.87	0.00	3,278.63
*	01/28/02	3,335.50	-	-	-	-
*	05/21/02	3,335.50	-	-	-	-
*	09/19/02	3,335.50	-	-	-	-
*	12/16/02	3,335.50	-	-	-	-
*	02/24/03	3,335.50	-	-	-	-
	05/20/03	3,335.50	-	56.92	0.00	3,278.58
	08/28/03	3,335.50	-	56.97	0.00	3,278.53
	11/26/03	3,335.50	-	57.06	0.00	3,278.44

**TABLE 1**  
**GROUNDWATER ELEVATION DATA**

**LINK ENERGY  
 TNM 97- 23  
 LEA COUNTY, NEW MEXICO  
 ETGI PROJECT # LI 2010**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	02/25/00	3,337.21	-	59.35	0.00	3,277.86
	06/06/00	3,337.21	-	59.38	0.00	3,277.83
	09/15/00	3,337.21	-	59.45	0.00	3,277.76
	11/30/00	3,337.21	-	59.44	0.00	3,277.77
	03/16/01	3,337.21	-	59.42	0.00	3,277.79
	06/04/01	3,337.21	-	59.42	0.00	3,277.79
	09/24/01	3,337.21	-	59.46	0.00	3,277.75
	10/30/01	3,337.21	-	59.51	0.00	3,277.70
	01/28/02	3,337.21	-	59.50	0.00	3,277.71
	05/21/02	3,337.21	-	59.65	0.00	3,277.56
	09/19/02	3,337.21	-	59.59	0.00	3,277.62
	12/16/02	3,337.21	-	59.51	0.00	3,277.70
	02/24/03	3,337.21	-	59.61	0.00	3,277.60
	05/20/03	3,337.21	-	59.66	0.00	3,277.55
	08/28/03	3,337.21	-	59.69	0.00	3,277.52
	11/26/03	3,337.21	-	59.72	0.00	3,277.49

\* Inaccessible due to excavation

*Elevations based on the North American Vertical Datum of 1929.*

TABLE 2

## CONCENTRATIONS OF BTEX IN GROUNDWATER

**LINK ENERGY**  
**TNM 97-23**  
**LEA COUNTY, NM**  
**ETGI Project # LI 2010**

*All results are reported in mg/L.*

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 1	05/12/99	<0.001	<0.001	<0.001	<0.001	<0.001
	08/23/99	<0.001	<0.001	<0.001	<0.001	<0.001
	11/04/99	<0.001	<0.001	<0.001	<0.001	<0.001
	01/13/00	<0.001	<0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
	06/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/16/01	<0.001	<0.001	<0.001	<0.001	<0.001
	06/04/01	<0.005	0.0198	0.0197	0.0792	
	09/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/20/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/26/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 2	02/25/00	0.001	<0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
	06/06/00	0.005	0.003	<0.001	<0.001	0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/30/00	0.012	0.004	<0.001	<0.001	0.002
	03/16/01	0.002	<0.001	<0.001	<0.001	<0.001
	06/04/01	0.009	<0.005	<0.005	<0.005	
	09/24/01	0.003	<0.001	<0.001	<0.001	<0.001
	10/30/01	0.002	<0.001	<0.001	<0.001	<0.001
	01/28/02	0.004	<0.001	<0.001	<0.001	<0.001
	05/21/02	0.006	0.001	<0.001	0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	0.005	<0.001	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/20/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/26/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	02/25/00	0.003	0.002	<0.001	<0.001	<0.001
	05/18/00	0.001	<0.001	<0.001	<0.001	<0.001
	06/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/16/01	0.002	<0.001	<0.001	<0.001	<0.001

TABLE 2

## CONCENTRATIONS OF BTEX IN GROUNDWATER

**LINK ENERGY**  
**TNM 97-23**  
**LEA COUNTY, NM**  
**ETGI Project # LI 2010**

*All results are reported in mg/L.*

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 3	06/04/01	0.008	<0.005	<0.005	<0.005	
	09/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	0.002	<0.001	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/20/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/26/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	02/25/00	0.012	0.007	0.001	<0.001	<0.001
	05/18/00	0.002	<0.001	<0.001	<0.001	<0.001
	06/06/00	0.022	0.014	0.003	0.009	
	09/15/00	0.018	0.008	<0.001	<0.001	<0.001
	11/30/00	0.041	0.027	0.005	0.015	
	03/16/01	0.023	0.013	0.002	0.005	0.001
	06/04/01	0.015	0.020	<0.005	<0.005	
	09/24/01	0.027	0.016	0.003	0.007	0.003
	10/30/01	0.018	0.011	0.001	0.004	0.001
	01/28/02	NA	NA	NA	NA	NA
	05/21/02	NA	NA	NA	NA	NA
	09/19/02	NA	NA	NA	NA	NA
	12/16/02	NA	NA	NA	NA	NA
	02/24/03	NA	NA	NA	NA	NA
	05/20/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/26/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	02/25/00	0.001	<0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	0.002	
	06/06/00	0.002	0.001	<0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/16/01	<0.001	<0.001	<0.001	<0.001	<0.001
	06/04/01	<0.005	<0.005	<0.005	<0.005	
	09/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001	<0.001

**TABLE 2**  
**CONCENTRATIONS OF BTEX IN GROUNDWATER**

**LINK ENERGY**  
**TNM 97-23**  
**LEA COUNTY, NM**  
**ETGI Project # LI 2010**

*All results are reported in mg/L.*

<b>SAMPLE LOCATION</b>	<b>SAMPLE DATE</b>	<b>METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230</b>				
		<b>BENZENE</b>	<b>TOLUENE</b>	<b>ETHYL-BENZENE</b>	<b>m, p - XYLENES</b>	<b>o - XYLENE</b>
MW - 5	05/20/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/26/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
EB - 1	09/15/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/16/01	<0.001	<0.001	<0.001	<0.001	<0.001
	06/04/01	<0.005	<0.005	<0.005	<0.005	
	09/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001	<0.001

Note: NA denotes well MW-4 was not accessible for sampling on date specified due to on-site excavation.

m, p and o xylenes combined when analyzed by Trace Laboratories Inc. only.

MW - 6 was a duplicate sample collected on date indicated.

## **APPENDICES**

**Appendix A**

**Laboratory Reports**

FILE

QHTR 5

Client: Environmental Tech Group  
Attn: Robert Eidson  
Address: 2540 W. Marland  
            Hobbs  
Phone: 505 397-4882     FAX: 505 397-4701

**REPORT OF ANALYSIS**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	---	---	<1	03/06/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.4	70.2	100.2	70.1
Ethylbenzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.7	102.8	97.8	104.1
m,p-Xylenes	<1	µg/L	1	<1	03/06/03	8260b	---	1	95.3	89	96.9
o-Xylene	<1	µg/L	1	<1	03/06/03	8260b	---	6.6	101.5	102.7	126.6
Toluene	<1	µg/L	1	<1	03/06/03	8260b	---	4	90.9	84.3	87.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*  
Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of an analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL), of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Report#Lab ID#: 139986     Report Date: 03/07/03  
Project ID: EO 2010  
Sample Name: WE972322403MW-1  
Sample Matrix: water  
Date Received: 02/28/2003     Time: 14:30  
Date Sampled: 02/24/2003     Time: 09:30

**QUALITY ASSURANCE DATA<sup>1</sup>**

777777777777777777

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

**Client:** Environmental Tech Group  
**Attn:** Robert Eidson

Project ID: EO 2010

Sample Name: WE972322403MW-1

Report#/Lab ID#: 139986  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	107	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

**07/17/2010**

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

**Client:** Environmental Tech Group  
**Attn:** Robert Edson  
**Address:** 2540 W. Marland  
Hobbs  
**Phone:** 505 397-4882    **FAX:** 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	---	---	---	03/06/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.4	70.2	100.2	70.1
Ethylbenzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.7	102.8	97.8	104.1
m,p-Xylenes	<1	µg/L	1	<1	03/06/03	8260b	---	1	95.3	89	96.9
o-Xylene	<1	µg/L	1	<1	03/06/03	8260b	---	6.6	101.5	102.7	126.6
Toluene	<1	µg/L	1	<1	03/06/03	8260b	---	4	90.9	84.3	87.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*  
Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or PDS recovery exceed advisory limits. S3 =MS and/or PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Report#/Lab ID#: 139987	Report Date: 03/07/03
Project ID: EO 2010	
Sample Name: WE972322403MW-2	
Sample Matrix: water	
Date Received: 02/28/2003	Time: 14:30
Date Sampled: 02/24/2003	Time: 11:30

#### QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	---	---	---	03/06/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.4	70.2	100.2	70.1
Ethylbenzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.7	102.8	97.8	104.1
m,p-Xylenes	<1	µg/L	1	<1	03/06/03	8260b	---	1	95.3	89	96.9
o-Xylene	<1	µg/L	1	<1	03/06/03	8260b	---	6.6	101.5	102.7	126.6
Toluene	<1	µg/L	1	<1	03/06/03	8260b	---	4	90.9	84.3	87.5

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client:	Environmental Tech Group	Project ID:	EO 2010
Attn:	Robert Eidson	Sample Name:	WE972322403MW-2

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	102	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Q1/1/03 5/1/03

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group  
Attn: Robert Eidsion  
Address: 2540 W. Marland  
            Hobbs  
Phone: 505 397-4882     FAX: 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	µg/L	---	03/06/03	8260b	---	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.4	70.2	100.2	70.1
Ethylbenzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.7	102.8	97.8	104.1
m,p-Xylenes	<1	µg/L	1	<1	03/06/03	8260b	---	1	95.3	89	96.9
o-Xylene	<1	µg/L	1	<1	03/06/03	8260b	---	6.6	101.5	102.7	126.6
Toluene	<1	µg/L	1	<1	03/06/03	8260b	---	4	90.9	84.3	87.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*  
Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration, Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

777777777777777777

Client: Environmental Tech Group  
Attn: Robert Eidson

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	94.3	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Report#Lab ID#: 139988  
Sample Matrix: water

Project ID: EO 2010  
Sample Name: WE972322403MW-3

**7**  
**5**

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

**Client:** Environmental Tech Group  
**Attn:** Robert Eidson  
**Address:** 2540 W. Marland  
 Hobbs  
**Phone:** 505 397-4882    **FAX:** 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	---	---	---	03/06/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.4	70.2	100.2	70.1
Ethylbenzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.7	102.8	97.8	104.1
m,p-Xylenes	<1	µg/L	1	<1	03/06/03	8260b	---	1	95.3	89	96.9
o-Xylene	<1	µg/L	1	<1	03/06/03	8260b	---	6.6	101.5	102.7	126.6
Toluene	<1	µg/L	1	<1	03/06/03	8260b	---	4	90.9	84.3	87.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*  
Richard Laster

**QUALITY ASSURANCE DATA<sup>1</sup>**

	Report#	Lab ID#	Project ID	Sample Name	Matrix	Date Received	Date Sampled	Time	Time
1	139989	139989	EO 2010	WE972322403MW-5	water	02/28/2003	02/24/2003	14:30	16:00

<sup>1</sup> 1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

7/17/2010 1:57

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group  
Attn: Robert Eidson

Project ID: EO 2010  
Sample Name: WES72322403MW-5

Report#/Lab ID#: 139989  
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	94.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

# CHAIN-OF-CUSTODY

Send Reports  Bill to (if different)Company Name E. T. C.  
Address 2200 W. PaulineCity Hobbs State NM Zip 88216ATTN: Robert E. EdsonPhone 505-377-4701Fax 505-377-4701

Rush Status (must be confirmed with lab mgr.):

Project Name/PO#:E02010 Sampler: J. L. Z.4221 Friedrich Lane, Suite 100, Austin, TX 78741  
(512) 441-5806**Analyses Requested (1)**

Please attach explanatory information as required.

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water Waste	Lab I.D. # (Lab only)
61E972322403.mnw - 1	2-24-03	9:30	2	X	X	139986 X
61E972322403.mnw - 2	2-24-03	11:30	2	X	X	139987 X
61E972322403.mnw - 3	2-24-03	2:00	2	X	X	139988 X
61E972322403.mnw - 5	2-24-03	4:00	2	X	X	139989 X

1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's method of choice units (MDL/POC). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Test Agent ASI's HSIL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Sample Received By		Sample Relinquished By	
Name	Affiliation	Date	Time
<u>Robert E. Edson</u>		2/28/03	
<u>J. L. Z.</u>			

Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.

5  
7

## FILE

**Client:** Environmental Tech Group  
**Attn:** Robert Eidson  
**Address:** 2540 W. Marland  
 Hobbs  
**Phone:** 505 397-4882    **FAX:** 505 397-4701

**REPORT OF ANALYSIS**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		05/30/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/30/03	8260b	---	0.9	87.7	83.8	89.5
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b	---	2.2	96.4	92.3	98.7
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b	---	1	100.4	95.3	103.3
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b	---	0.8	98.7	94.6	106.6
Toluene	<1	µg/L	1	<1	05/30/03	8260b	---	0.4	96	89.8	99.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*  
 Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PRC%) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S3 =MS and/or PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

5  
6

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	Project ID: EO 2010
Attn: Robert Eidson	Sample Name: MW-1

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	80-120	---
Toluene-d8	8260b	103	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report# /Lab ID#: 143245  
Sample Matrix: water

**5**

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

**REPORT OF ANALYSIS**

<b>Client:</b>	Environmental Tech Group
<b>Attr:</b>	Robert Eidson
<b>Address:</b>	2540 W. Marland
<b>Hobbs</b>	NM 88240
<b>Phone:</b>	505 397-4882
<b>FAX:</b>	505 397-4701

<b>Report# /Lab ID#:</b>	143246	<b>Report Date:</b>	06/03/03
<b>Project ID:</b>	EO 2010		
<b>Sample Name:</b>	MW-2		
<b>Sample Matrix:</b>	water		
<b>Date Received:</b>	05/28/2003	<b>Time:</b>	15:20
<b>Date Sampled:</b>	05/20/2003	<b>Time:</b>	11:00

QUALITY ASSURANCE DATA <sup>1</sup>						
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>
Volatile organics-8260b/BTEX	--		--		05/30/03	8260b
Benzene	<1	µg/L	1	<1	05/30/03	8260b
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b
Toluene	<1	µg/L	1	<1	05/30/03	8260b

<sup>1</sup>. Quality assurance data is for the sample batch which included this sample. <sup>2</sup>. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. <sup>3</sup>. Recovery (Recov.) is the percent (%) of analytic recovered from a spiked sample. <sup>4</sup>. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. <sup>5</sup>. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. <sup>6</sup>. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. <sup>7</sup>. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*  
Richard Laster

Q

5

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client:	Environmental Tech Group	Project ID: EO 2010
Attn:	Robert Eidson	Sample Name: MW-2

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.1	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

5

3512 Montopolis Drive, Austin, TX 78744 &  
 2209 N. Padre Island Dr., Corpus Christi, TX 78408  
 (512) 385-5886 • FAX (512) 385-7411

**Client:** Environmental Tech Group  
**Attn:** Robert Eidson  
**Address:** 2540 W. Marland  
 Hobbs NM 88240  
**Phone:** 505 397-4882 **FAX:** 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	...	...	...	...	05/30/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/30/03	8260b	---	0.9	87.7	83.8	89.5
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b	---	2.2	96.4	92.3	98.7
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b	---	1	100.4	95.3	103.3
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b	---	0.8	98.7	94.6	106.6
Toluene	<1	µg/L	1	<1	05/30/03	8260b	---	0.4	96	89.8	99.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*  
 Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL<sub>i</sub>) typically at or above the Practical Quantitation Limit (PQL<sub>i</sub>) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are I = analyte potentially present between the PQL<sub>i</sub> and the MDL<sub>i</sub>. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

**Report#Lab ID#:** 143247 **Report Date:** 06/03/03  
**Project ID:** EO 2010  
**Sample Name:** MW-3  
**Sample Matrix:** water  
**Date Received:** 05/28/2003 **Time:** 15:20  
**Date Sampled:** 05/20/2003 **Time:** 12:00

#### QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	...	...	...	...	05/30/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/30/03	8260b	---	0.9	87.7	83.8	89.5
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b	---	2.2	96.4	92.3	98.7
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b	---	1	100.4	95.3	103.3
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b	---	0.8	98.7	94.6	106.6
Toluene	<1	µg/L	1	<1	05/30/03	8260b	---	0.4	96	89.8	99.1

7 5

Client: Environmental Tech Group  
Attn: Robert Eidson

Project ID: EO2010  
Sample Name: MW-3

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 143247  
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.1	80-120	---
Toluene-d8	8260b	102	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

3512 Montopolis Drive, Austin, TX 78744 &  
 2209 N. Padre Island Dr., Corpus Christi, TX 78408  
 (512) 385-5386 • FAX (512) 385-7411

**5**

**7**

**Client:** Environmental Tech Group  
**Attn:** Robert Eidson  
**Address:** 2540 W. Marland Hobs  
**Phone:** 505 397-4882      **FAX:** 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		05/30/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/30/03	8260b	---	0.9	87.7	83.8	89.5
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b	---	2.2	96.4	92.3	98.7
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b	---	1	100.4	95.3	103.3
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b	---	0.8	98.7	94.6	106.6
Toluene	<1	µg/L	1	<1	05/30/03	8260b	---	0.4	96	89.8	99.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*  
 Richard Laster

Report#/ <b>Lab ID#:</b> 143248 <b>Project ID:</b> EO 2010 <b>Sample Name:</b> MW-4 <b>Sample Matrix:</b> water <b>Date Received:</b> 05/28/2003 <b>Date Sampled:</b> 05/20/2003	<b>Report Date:</b> 06/03/03
<b>QUALITY ASSURANCE DATA<sup>1</sup></b>	

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (L.C.S.) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL), of the analytical method. 6. Method numbers typically denote US EPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL, B =Analyte detected in associated method blank(s), S1 =MS and/or MSD recovery exceed advisory limits, S2 =Post digestion spike (PDS) recovery exceeds advisory limits, S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

**5**

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	Project ID: EO 2010
Attn: Robert Eidson	Sample Name: MW-4

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.9	80-120	--
Toluene-d8	8260b	106	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report#Lab ID#: 143248

Sample Matrix: water

67

3512 Montopolis Drive, Austin, TX 78744 &  
 2209 N. Padre Island Dr., Corpus Christi, TX 78408  
 (512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group  
 Attn: Robert Eidsen  
 Address: 2540 W. Maryland  
 Hobbs  
 NM 88240  
 Phone: 505 397-4882 FAX: 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQI <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	µg/L	---	<1	05/30/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/30/03	8260b	---	0.9	87.7	83.8	89.5
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b	---	2.2	96.4	92.3	98.7
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b	---	1	100.4	95.3	103.3
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b	---	0.8	98.7	94.6	106.6
Toluene	<1	µg/L	1	<1	05/30/03	8260b	---	0.4	96	89.8	99.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (<) values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL, B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Report#Lab ID#: 143249	Report Date: 06/03/03
Project ID: EO 2010	
Sample Name: MW-5	
Sample Matrix: water	
Date Received: 05/28/2003	Time: 15:20
Date Sampled: 05/20/2003	Time: 14:00

#### QUALITY ASSURANCE DATA

Parameter	Result	Units	RQI <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	µg/L	---	<1	05/30/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/30/03	8260b	---	0.9	87.7	83.8	89.5
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b	---	2.2	96.4	92.3	98.7
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b	---	1	100.4	95.3	103.3
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b	---	0.8	98.7	94.6	106.6
Toluene	<1	µg/L	1	<1	05/30/03	8260b	---	0.4	96	89.8	99.1

7 5

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Report#Lab ID#: 143249  
Sample Matrix: water

Project ID: EO 2010  
Sample Name: MW-5

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.2	80-120	---
Toluene-d8	8260b	103	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

## TRANSMISSION

WWW.ANALYSYSINC.COM

### Send Report To:

Company Name Environmental Technology, Inc.  
Address 4747 N.W. 4th Street  
City Miami State FL Zip 33240

Phone # (305) 477-4432 Fax (305) 367-4721  
Rush Status must be confirmed with Lab mgr.:  
Project Name# SO 10 Sampler: Susan Eick

### Bill to (if diff. ent.):

Company Name Soft  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
ATTN: \_\_\_\_\_

3812 Monticello Drive, Austin, TX 78744  
Phone (512) 385-5856 Fax (512) 385-7111

1201 N. P.L.D., Ste K, Corpus Christi, TX 7840  
Phone (361) 896-6888 Fax (361) 896-0875

### Analyses Requested (1)

Please attach explanatory information as required

### Comments

Ident Sample No.	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
ML#-1	5-26-93	10:00	2	X			143245	
ML#-2	5-26-93	11:00	2	X			143246	
ML#-3	5-26-93	12:00	2	X			143247	
ML#-4	5-26-93	1:00	2	X			143248	
ML#-5	5-26-93	2:00	2	X			143249	

If not specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting basis (HPLC/ICP). For Gr/As volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HPLC/ICP analysis. Specific compound lists must be supplied for all GC procedures.

### Sample Relinquished By

Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
<i>John</i>	<i>soft</i>	<i>5-26-93</i>	<i>12:00</i>	<i>John Mihalek</i>	<i>AnalySys</i>	<i>5/26/93</i>	<i>15:30</i>

[Handing of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

**FILE**

**5**

3512 Montopolis Drive, Austin, TX 78744 &  
 2209 N. Padre Island Dr., Corpus Christi, TX 78408  
 (512) 385-3886 • FAX (512) 385-7411

**Client:** Environmental Tech Group  
**Attn:** Robert Eidsion  
**Address:** 2540 W. Marland  
 Hobbs  
**Phone:** 505 397-4882      **FAX:** 505 397-4701

**REPORT OF ANALYSIS**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	µg/L	---	<1	09/08/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/08/03	8260b	---	3	85	86.2	86.9
Ethylbenzene	<1	µg/L	1	<1	09/08/03	8260b	---	2.3	105.7	105.5	105.1
m,p-Xylenes	<1	µg/L	1	<1	09/08/03	8260b	---	2.4	107.4	106.2	106.6
o-Xylene	<1	µg/L	1	<1	09/08/03	8260b	---	2.9	104.5	103.8	105.6
Toluene	<1	µg/L	1	<1	09/08/03	8260b	---	0.2	100.3	98.2	100.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Report#/ <b>Lab ID#:</b> 146865	<b>Report Date:</b> 09/09/03
<b>Project ID:</b> EO 2010 97-23	
<b>Sample Name:</b> MW-1	
<b>Sample Matrix:</b> water	
<b>Date Received:</b> 09/03/2003	<b>Time:</b> 13:55
<b>Date Sampled:</b> 08/28/2003	<b>Time:</b> 09:30

**QUALITY ASSURANCE DATA<sup>1</sup>**

7/17/15

Client: Environmental Tech Group  
Attn: Robert Eidson

Project ID: EO 2010 97-23  
Sample Name: MW-1

Report#/Lab ID#: 146865  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.1	80-120	---
Toluene-d8	8260b	104	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

**AnalySys**

3512 Montopolis Drive, Austin, TX 78744 &  
 2209 N. Padre Island Dr., Corpus Christi, TX 78408  
 (512) 385-5886 • FAX (512) 385-7411

**Client:** Environmental Tech Group  
**Attn:** Robert Eidson  
**Address:** 2540 W. Marland  
 Hobbs NM 88240  
**Phone:** 505 397-4882 **FAX:** 505 397-4701

**REPORT OF ANALYSIS**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8200b/BTEX	---		---		09/08/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/08/03	8260b	---	3	85	86.2	86.9
Ethylbenzene	<1	µg/L	1	<1	09/08/03	8260b	---	2.3	105.7	105.5	105.1
m,p-Xylenes	<1	µg/L	1	<1	09/08/03	8260b	---	2.4	107.4	106.2	106.6
o-Xylene	<1	µg/L	1	<1	09/08/03	8260b	---	2.9	104.5	103.8	105.6
Toluene	<1	µg/L	1	<1	09/08/03	8260b	---	0.2	100.3	98.2	100.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*  
Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Report#/Lab ID#: 146866	Report Date: 09/09/03
Project ID: EO 2010 97-23	
Sample Name: MW-2	
Sample Matrix: water	
Date Received: 09/03/2003	Time: 13:55
Date Sampled: 08/28/2003	Time: 10:00

*Environmental Tech Group*

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client:	Environmental Tech Group	Project ID:	EO 201097-23
Attn:	Robert Eidson	Sample Name:	MW-2

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

0777L-15

Client: Environmental Tech Group  
Attn: Robert Eidson  
Address: 2540 W. Maryland  
Hobbs  
Phone: 505 397-4882 FAX: 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date
Volatile organics-8260b/BTEX	---	ug/L	---	<1	09/09/03
Benzene	<1	ug/L	1	<1	09/09/03
Ethylbenzene	<1	ug/L	1	<1	09/09/03
m,p-Xylenes	<1	ug/L	1	<1	09/09/03
o-Xylene	<1	ug/L	1	<1	09/09/03
Toluene	<1	ug/L	1	<1	09/09/03

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL, B = Analyte detected in associated method blank(s), S1 = MS and/or MSD recovery exceed advisory limits, S2 = Post digestion spike (PDS) recovery exceeds advisory limit, S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Report# /Lab ID#: 146867	Report Date: 09/09/03
Project ID: EO 2010-97-23	
Sample Name: MW-3	
Sample Matrix: water	
Date Received: 09/03/2003	Time: 13:55
Date Sampled: 08/28/2003	Time: 10:30

#### QUALITY ASSURANCE DATA<sup>1</sup>

	Data	Qual <sup>2</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
8260b	---	---	---	---	---	---

*Environmental Services*

Client: Environmental Tech Group  
Attn: Robert Eidson

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Toluene-d8	8260b	104	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Report#Lab ID#: 146867  
Sample Matrix: water

Project ID: EO 2010 97-23  
Sample Name: MW-3

*Richard Laster*

**Client:** Environmental Tech Group  
**Attn:** Robert Eidson  
**Address:** 2540 W. Marland  
 Hobbs NM 88240  
**Phone:** 505 397-4882 **FAX:** 505 397-4701

**REPORT OF ANALYSIS**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		09/09/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/09/03	8260b	---	3	85	86.2	86.9
Ethylbenzene	<1	µg/L	1	<1	09/09/03	8260b	---	2.3	105.7	105.5	105.1
m,p-Xylenes	<1	µg/L	1	<1	09/09/03	8260b	---	2.4	107.4	106.2	106.6
o-Xylene	<1	µg/L	1	<1	09/09/03	8260b	---	2.9	104.5	103.8	105.6
Toluene	<1	µg/L	1	<1	09/09/03	8260b	---	0.2	100.3	98.2	100.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recoveries exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

5

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 146868  
Sample Matrix: water

Project ID: EO 2010 97-23  
Sample Name: MW-4

Client: Environmental Tech Group  
Attn: Robert Eidson

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.4	80-120	---
Toluene-d8	8260b	104	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

**7777775**

**Client:** Environmental Tech Group  
**Attn:** Robert Edison  
**Address:** 2540 W. Marland  
 Hobbs  
**Phone:** 505 397-4882    **FAX:** 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method 6	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	---	---	---	09/09/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/09/03	8260b	---	3	85	86.2	86.9
Ethylbenzene	<1	µg/L	1	<1	09/09/03	8260b	---	2.3	105.7	105.5	105.1
m,p-Xylenes	<1	µg/L	1	<1	09/09/03	8260b	---	2.4	107.4	106.2	106.6
o-Xylene	<1	µg/L	1	<1	09/09/03	8260b	---	2.9	104.5	103.8	105.6
Toluene	<1	µg/L	1	<1	09/09/03	8260b	---	0.2	100.3	98.2	100.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

3512 Montopolis Drive, Austin, TX 78744 &  
 2209 N. Padre Island Dr., Corpus Christi, TX 78408  
 (512) 385-5886 • FAX (512) 385-7411

Report Date: 09/09/03

Project ID: EO 2010 97-23

Sample Name: MW-5

Sample Matrix: water

Date Received: 09/03/2003

Time: 13:55

Date Sampled: 08/28/2003

Time: 11:30

#### QUALITY ASSURANCE DATA<sup>1</sup>

Q101145

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client:	Environmental Tech Group	Project ID:	EO 2010 97-23
Attn:	Robert Eidson	Sample Name:	MW-5

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96	80-120	---
Toluene-d8	8260b	102	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report#/Lab ID#: 146869  
Sample Matrix: water

**ANALYSIS**

Client: Environmental Tech Group  
 Attn: Robert Edson  
 Address: 2540 W. Maryland  
 Hobbs NM 88240  
 Phone: 505 397-4882 FAX: 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	---	---	<1	09/09/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/09/03	8260b	---	3	85	86.2	86.9
Ethylbenzene	<1	µg/L	1	<1	09/09/03	8260b	---	2.3	105.7	105.5	105.1
m,p-Xylenes	<1	µg/L	1	<1	09/09/03	8260b	---	2.4	107.4	106.2	106.6
o-Xylene	<1	µg/L	1	<1	09/09/03	8260b	---	2.9	104.5	103.8	105.6
Toluene	<1	µg/L	1	<1	09/09/03	8260b	---	0.2	100.3	98.2	100.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*Richard Laster*

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (% difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

*Office of Environmental Quality*  
5

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group  
Attn: Robert Eidsom

Project ID: EO 2010 097-23  
Sample Name: MW-6

Report#Lab ID#: 146870  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.9	80-120	---
Toluene-d8	8260b	103	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

# CHAIN-OF-CUSTODY

WWW.ANALYSYSINC.COM

Send Report To:

Company Name Environmental Technology Group  
Address 2540 W. Mocked  
City Hobbs State N.M. Zip 88240  
ATTN: Robert Eason Phone (505) 397-4701  
Rush Status (must be confirmed with lab mgr): \_\_\_\_\_  
Project Name/PO#: ES 2010 97-23 Sampler: Justin Farkk

Bill to (if different):

Company Name East  
Address \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
ATTN: \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_

3512 Montopolis Drive, Austin, TX 78744  
Phone: (512) 385-5886 Fax: (512) 385-7411  
2209 N.P.I.D., Ste K, Corpus Christi, TX 78408  
Phone: (361) 289-6384 Fax: (361) 280-0875

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water/Waste	Lab I.D. # (Lab only)	Comments
<u>mw - 1</u>	<u>8-28-03</u>	<u>9:30</u>	<u>2</u>	<u>X</u>		<u>146865</u>	<u>X</u>
<u>mw - 2</u>	<u>8-28-03</u>	<u>10:00</u>	<u>2</u>	<u>X</u>		<u>146866</u>	<u>X</u>
<u>mw - 3</u>	<u>8-28-03</u>	<u>10:30</u>	<u>2</u>	<u>X</u>		<u>146867</u>	<u>X</u>
<u>mw - 4</u>	<u>8-28-03</u>	<u>11:00</u>	<u>2</u>	<u>X</u>		<u>146868</u>	<u>X</u>
<u>mw - 5</u>	<u>8-28-03</u>	<u>11:30</u>	<u>2</u>	<u>X</u>		<u>146869</u>	<u>X</u>
<u>mw - 6</u>	<u>8-28-03</u>	<u>12:00</u>	<u>2</u>	<u>X</u>		<u>146870</u>	<u>X</u>

1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Sample Relinquished By	Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
	<u>East</u>	<u>East</u>	<u>8-28-03</u>		<u>E. Eason</u>	<u>AnalySys</u>	<u>9-3-03</u>	<u>13:55</u>

Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

# FILE

Q 5

Client: Environmental Tech Group  
 Attn: Robert Eidsen  
 Address: 2540 W. Maryland  
 Hobbs  
 NM 88240  
 Phone: 505 397-4882 FAX: 505 397-4701

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	µg/L	---	<1	12/06/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/06/03	8260b	---	7.2	98.8	92.8	90.8
Ethylbenzene	<1	µg/L	1	<1	12/06/03	8260b	---	5.8	115.7	112.8	109.6
m,p-Xylenes	<2	µg/L	2	<2	12/06/03	8260b	---	6	118.1	115.2	111.2
o-Xylene	<1	µg/L	1	<1	12/06/03	8260b	---	5.6	123.7	118.8	116.4
Toluene	<1	µg/L	1	<1	12/06/03	8260b	---	7.2	102.8	99.7	97.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

  
 Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (<) values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

**5**

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

**Client:** Environmental Tech Group  
**Attn:** Robert Eidson

**Project ID:** EO2010 97-23  
**Sample Name:** MW-1

**Report# / Lab ID#:** 150235  
**Sample Matrix:** water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	113	80-120	---
Toluene-d8	8260b	100	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

5  
0

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

**Client:** Environmental Tech Group  
**Attn:** Robert Eidsen  
**Address:** 2540 W. Maryland  
 Hobbs  
**Phone:** 505 397-4882      **FAX:** 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	µg/L	---	<1	12/06/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/06/03	8260b	---	7.2	98.8	92.8	90.8
Ethylbenzene	<1	µg/L	1	<1	12/06/03	8260b	---	5.8	115.7	112.8	109.6
m,p-Xylenes	<2	µg/L	2	<2	12/06/03	8260b	---	6	118.1	115.2	111.2
o-Xylene	<1	µg/L	1	<1	12/06/03	8260b	---	5.6	123.7	118.8	116.4
Toluene	<1	µg/L	1	<1	12/06/03	8260b	---	7.2	102.8	99.7	97.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are: J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S3 =MS and/or PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

**5**

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group  
Attn: Robert Edson

Project ID: EO201097-23  
Sample Name: MW-2

Report#/Lab ID#: 150236  
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	109	80-120	---
Toluene-d8	8260b	93.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

3512 Montopolis Drive, Austin, TX 78744 &  
 2209 N. Padre Island Dr., Corpus Christi, TX 78408  
 (512) 385-5886 • FAX (512) 385-7411

**5**

Client: Environmental Tech Group  
 Attn: Robert Eidson  
 Address: 2540 W. Marland  
 Hobbs NM 88240  
 Phone: 505 397-4882 FAX: 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	µg/L	---	---	12/08/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/08/03	8260b	---	0.4	105.3	95.9	105.9
Ethylbenzene	<1	µg/L	1	<1	12/08/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	<2	µg/L	2	<2	12/08/03	8260b	---	1.4	97.8	106.4	101.8
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b	---	0.9	102.1	109	116.7
Toluene	<1	µg/L	1	<1	12/08/03	8260b	---	0.2	111.9	108.8	109.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limits. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

**5**

Client: Environmental Tech Group  
Attn: Robert Eidson

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.2	80-120	---
Toluene-d8	8260b	98.5	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 150237  
Sample Matrix: water

Project ID: EO2010 97-23  
Sample Name: MW-3

**6**

**Client:** Environmental Tech Group  
**Attn:** Robert Eidson  
**Address:** 2540 W. Marland  
 Hobbs NM 88240  
**Phone:** 505 397-4882 **FAX:** 505 397-4701

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>
Volatile organics-8260b/BTEX	---	---	---	---	12/08/03	8260b(5030/5035)
Benzene	<1	µg/L	1	<1	12/08/03	8260b
Ethylbenzene	<1	µg/L	1	<1	12/08/03	8260b
m,p-Xylenes	<2	µg/L	2	<2	12/08/03	8260b
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b
Toluene	<1	µg/L	1	<1	12/08/03	8260b

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

3512 Montopolis Drive, Austin, TX 78744 &  
 2209 N. Padre Island Dr., Corpus Christi, TX 78408  
 (512) 385-5886 • FAX (512) 385-7411

Report#Lab ID#: 150238 Report Date: 12/11/03

Project ID: EO201097-23

Sample Name: MW-4

Sample Matrix: water

Date Received: 12/02/2003 Time: 13:45

Date Sampled: 11/26/2003 Time: 10:00

#### QUALITY ASSURANCE DATA<sup>1</sup>

			Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
			---	---	---	---
			0.4	105.3	95.9	105.9
			2.5	102.2	109.8	108.8
			1.4	97.8	106.4	101.8
			0.9	102.1	109	116.7
			0.2	111.9	108.8	109.2

**Q** 5

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group  
Attn: Robert Eidson

Project ID: EO2010 97-23  
Sample Name: MW-4

Report#Lab ID#: 150238  
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.4	80-120	---
Toluene-d8	8260b	97.4	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

*John Elton*  
John Elton

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

**Client:** Environmental Tech Group  
**Attn:** Robert Eidson  
**Address:** 2540 W. Marland Hobbs NM 88240  
**Phone:** 505 397-4882 **FAX:** 505 397-4701

**REPORT OF ANALYSIS**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---	---	---	<1	12/08/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/08/03	8260b	---	0.4	105.3	95.9	105.9
Ethylbenzene	<1	µg/L	1	<1	12/08/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	<2	µg/L	2	<2	12/08/03	8260b	---	1.4	97.8	106.4	101.8
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b	---	0.9	102.1	109	116.7
Toluene	<1	µg/L	1	<1	12/08/03	8260b	---	0.2	111.9	108.8	109.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

*John Elton*  
John Elton  
Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL, B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

**Q** **S**

3512 Montopolis Drive, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 385-5886 • FAX (512) 385-7411

Client:	Environmental Tech Group	Project ID:	EO201097-23
Attn:	Robert Eidson	Sample Name:	MW-5

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.2	80-120	---
Toluene-d8	8260b	98.4	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report# /Lab ID#: 150239  
Sample Matrix: water

7993

## CHAIN OF CUSTODY

www.analysysinc.com

## Send Report To:

Company Name Environmental Technology Group Inc.Address 2540 W. MarylandCity Bethesda State M.D. Zip 208240ATTN: Robert E. JohnsonPhone (301) 327-4892 Fax (301) 327-4701Project Name/PO# ED-2010 97-25 Sampler

Samples/projects intended for TCEQ-TRRP completion require special handling, QC requirements and pricing. To Be successfully completed such projects should be identified and discussed prior to receipt and **MUST BE IDENTIFIED** on this Chain-of-Custody under "Special Instructions".

Samples/projects intended for TCEQ-TRRP completion require special handling, QC requirements and pricing. To Be successfully completed such projects should be identified and discussed prior to receipt and **MUST BE IDENTIFIED** on this Chain-of-Custody under "Special Instructions".

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers and Preservative (TRRP-13 Mandatory)	No. of Containers and Preservative (TRRP-13 Mandatory)	Matrix		Analytic For		Standard (AT)	Schedule (PCT)	RUSH/TAT (PCT)
					Composite	Grab	Wastewater	Water	Soil	Other (Specify)	
MW-1	11/26/03	8:30	150235	X							
MW-2	11/26/03	9:00	2	150236	X		X				
MW-3	11/26/03	9:30	2	150237	X		X				
MW-4	11/26/03	10:00	2	150238	X		X				
MW-5	11/26/03	10:30	2	150239			X				

Special instructions (such as special QC requirements, lists, methods, etc.)

If other specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain of custody or attached to the chain of custody, ASI will default to Priority pollutants on ASI's list at ASI's option. Specific compound lists must be supplied for all GC procedures.

## Sample Received By

Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
<u>Robert E. Johnson</u>	<u>AS1</u>	<u>11/26/03</u>	<u>13:45</u>				

Rendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.

Temperature  
at prep/recv of  
sample  
is consistent with  
(SI)  $14^{\circ}\text{C}$  or  
 $5.4^{\circ}\text{C} \pm 0.6^{\circ}\text{C}$

YES 3.8  
NO