1R - 138

REPORTS

DATE:

2004

ANNUAL MONITORING REPORT

TNM 97-16

NE ¼ of the NW ¼ of SECTION 12, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
LINK ENERGY LEAK NUMBER: TNM-97-16-KNOWN
ETGI PROJECT NUMBER: LI2021

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 97-16

NE ¼ of the NW ¼ of SECTION 12, TOWNSHIP 24 SOUTH, RANGE 37 EAST
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HOBBS, NEW MEXICO 88240

April 2004

Camille Reynolds
Project Manager

for Todd Choban
Todd Choban
Regional Manager

TABLE OF CONTENTS

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. 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 March 26, June 6, September 2, and December 2, 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 disposable Teflon samplers. 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 August and by Lobo Trucking, Hobbs, New Mexico from September through December 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 quarterly sampling 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 quarterly sampling events of 2003, indicated a general gradient of approximately 0.004 ft/ft to the south southeast as measured between groundwater monitor wells MW-1 and MW-2. The depth to groundwater, as measured from the top of the well casing, ranged between 20.47 to 23.77 feet for the shallow alluvial aquifer.

LABORATORY RESULTS

Groundwater samples collected during the 2003 monitoring events were delivered to AnalySys Inc., Austin, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method SW 846-8260b. 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. Quarterly groundwater samples results reflecting benzene and BTEX constituent concentrations are depicted on Figures 3A-3D, the Groundwater Concentration Maps.

Review of the laboratory analytical results generated from analysis of the groundwater samples obtained during the 2003 monitoring period indicate that the benzene and BTEX constituent concentrations are below applicable NMOCD regulatory standards for the monitor wells and the south windmill location.

SUMMARY

This report presents the results of groundwater monitoring activities for the annual monitoring period 2003. No detectable or measurable amounts of PSH were encountered during the monitoring events conducted during this reporting period.

Groundwater elevation contours, generated from water level measurements acquired during the quarterly sampling events of 2003, indicated a general gradient of approximately 0.004 ft/ft to the south southeast as measured between groundwater monitor wells MW-1 and MW-2.

Review of the laboratory analytical results generated from analysis of the groundwater samples obtained during the 2003 monitoring period indicate that the benzene and BTEX constituent concentrations are below NMOCD regulatory standards for the monitor wells and the south windmill location. Termination of groundwater monitoring activities for this site has been approved as per the NMOCD letter dated May 28, 2003. Monitor wells will be plugged and abandoned according to standard industry practice. A copy of the NMOCD letter is provided as Appendix B.

DISTRUBUTION

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FIGURES

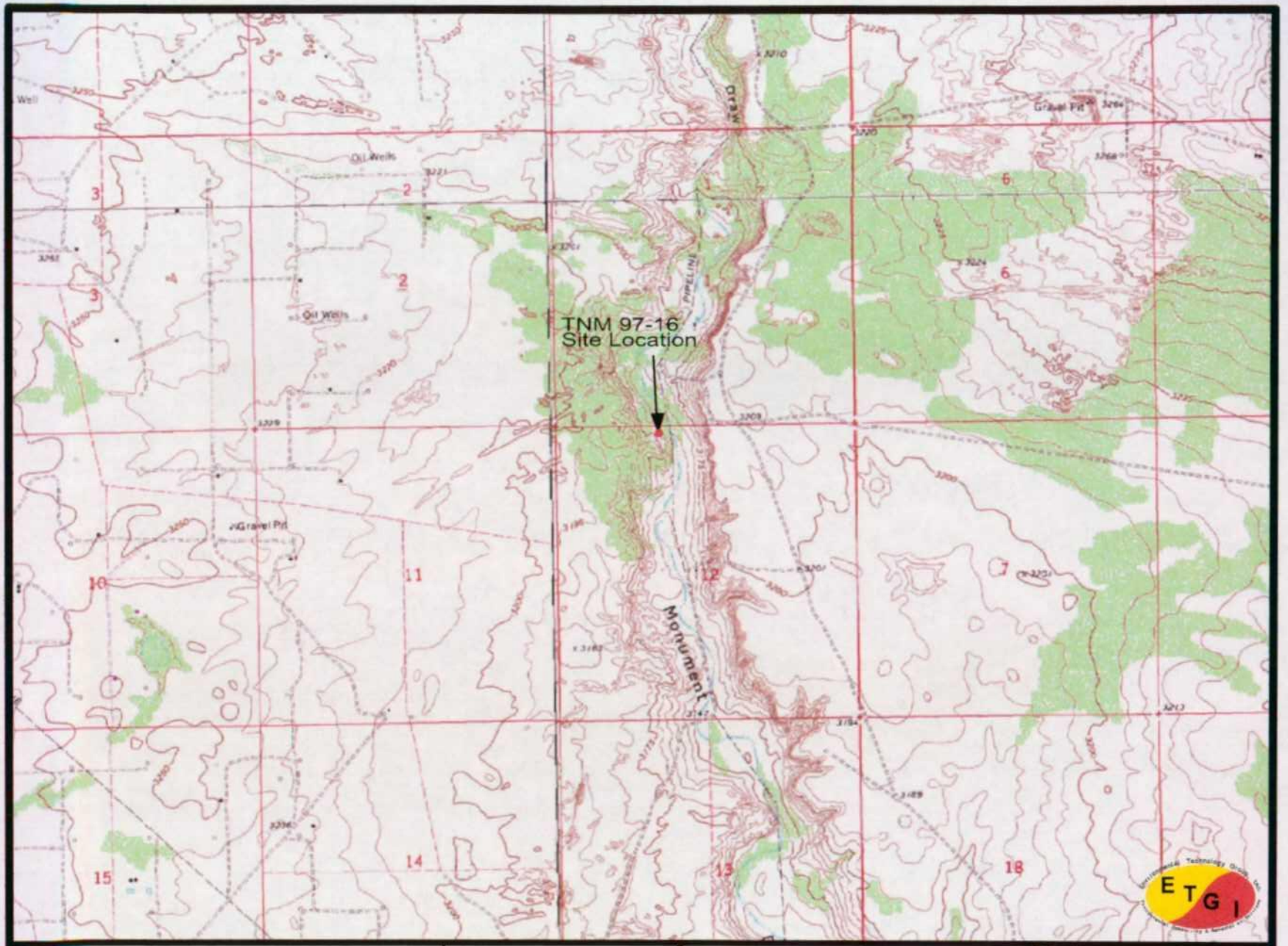
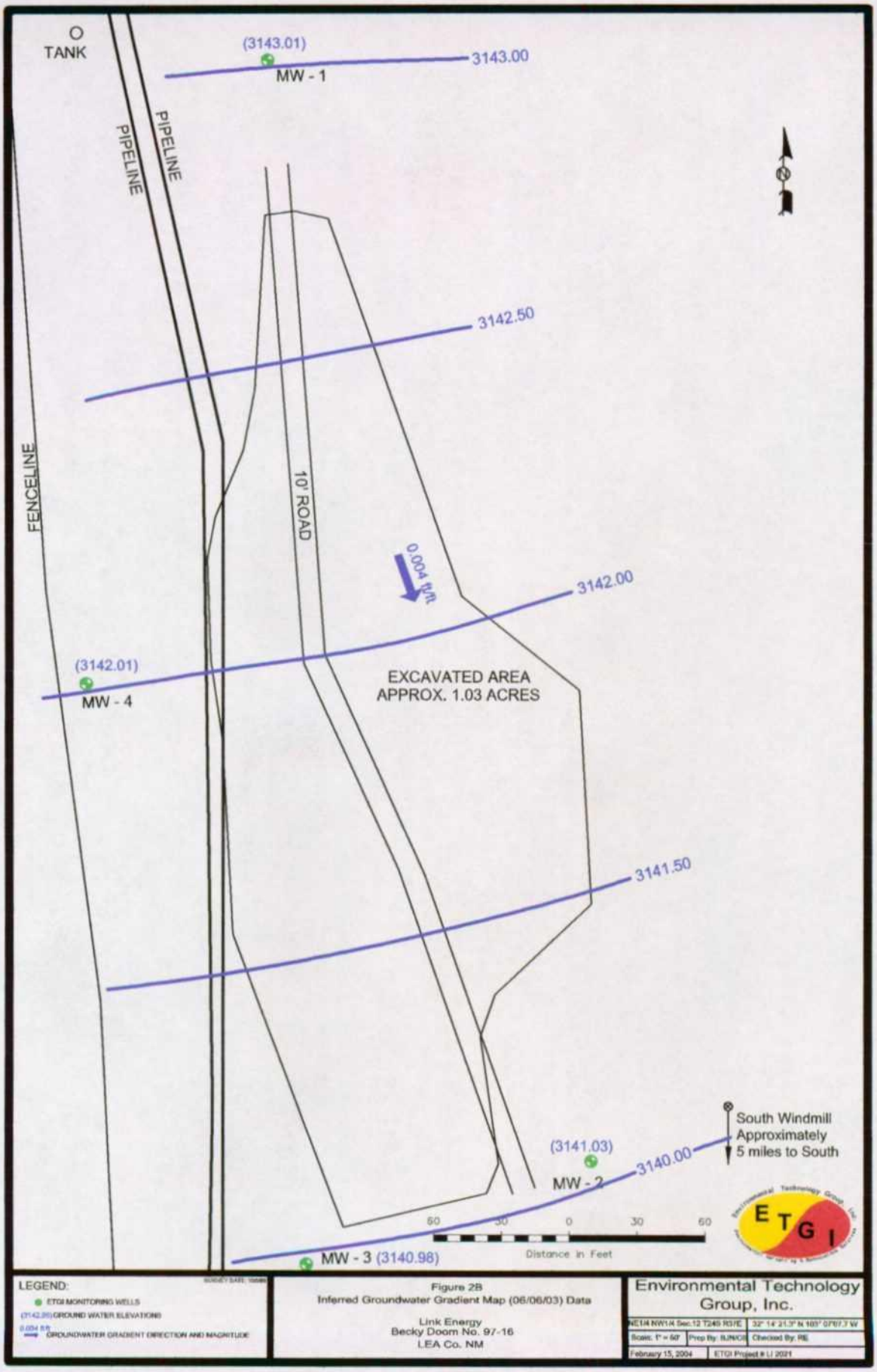


Figure 1
Site Location Map
Link Energy
Becky Doom No. 97-16
Lea Co. NM

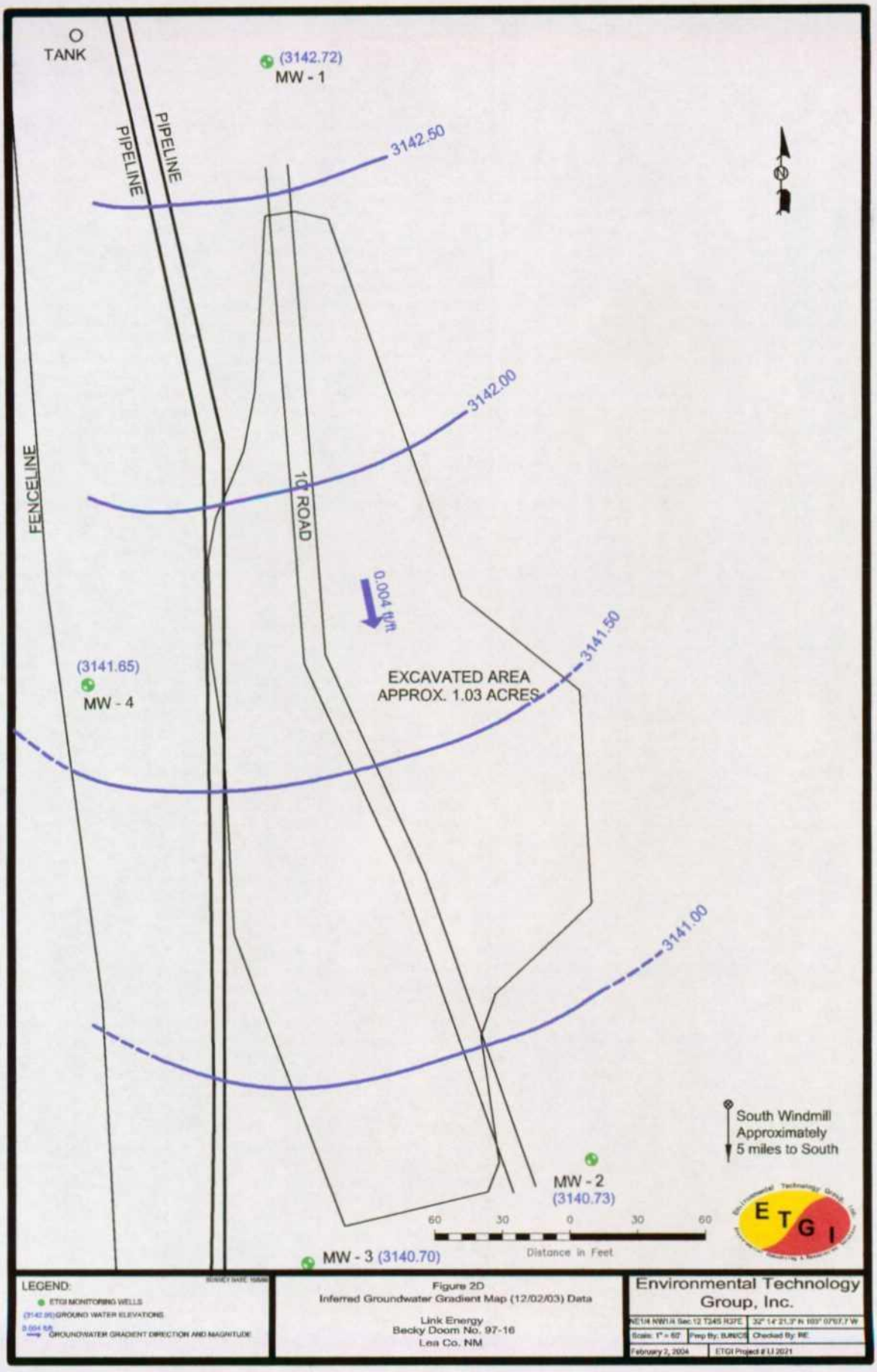
Environmental Technology Group, INC.

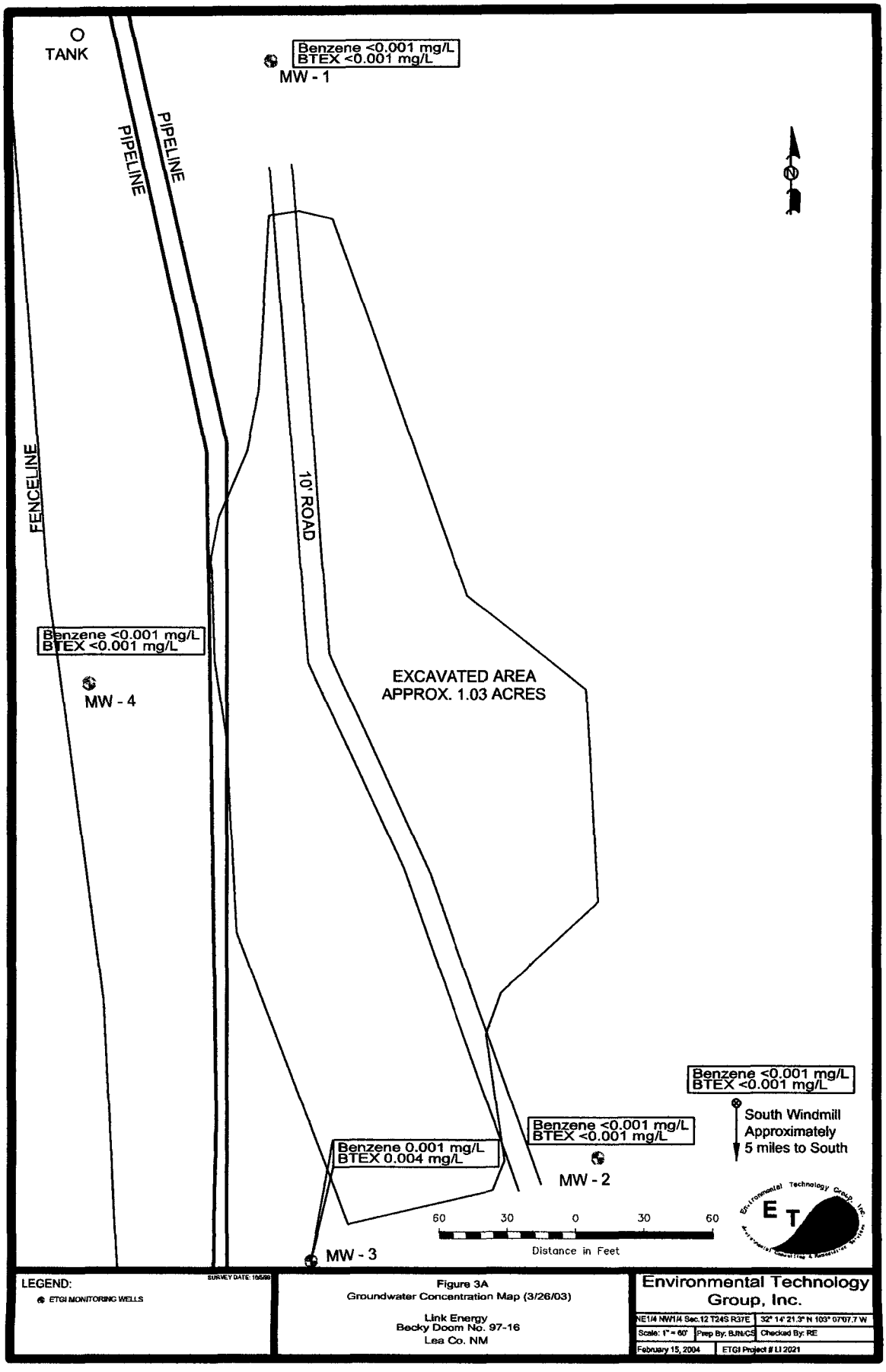
NE1/4 NW1/4 Sec.13 T24S R37E		32° 14' 21.3" N 103° 07' 01.7" W
Scale: 1" = 80'	Prep By: BJN	Checked By: RE
February 10, 2003	ETGI Project # LI 2021	

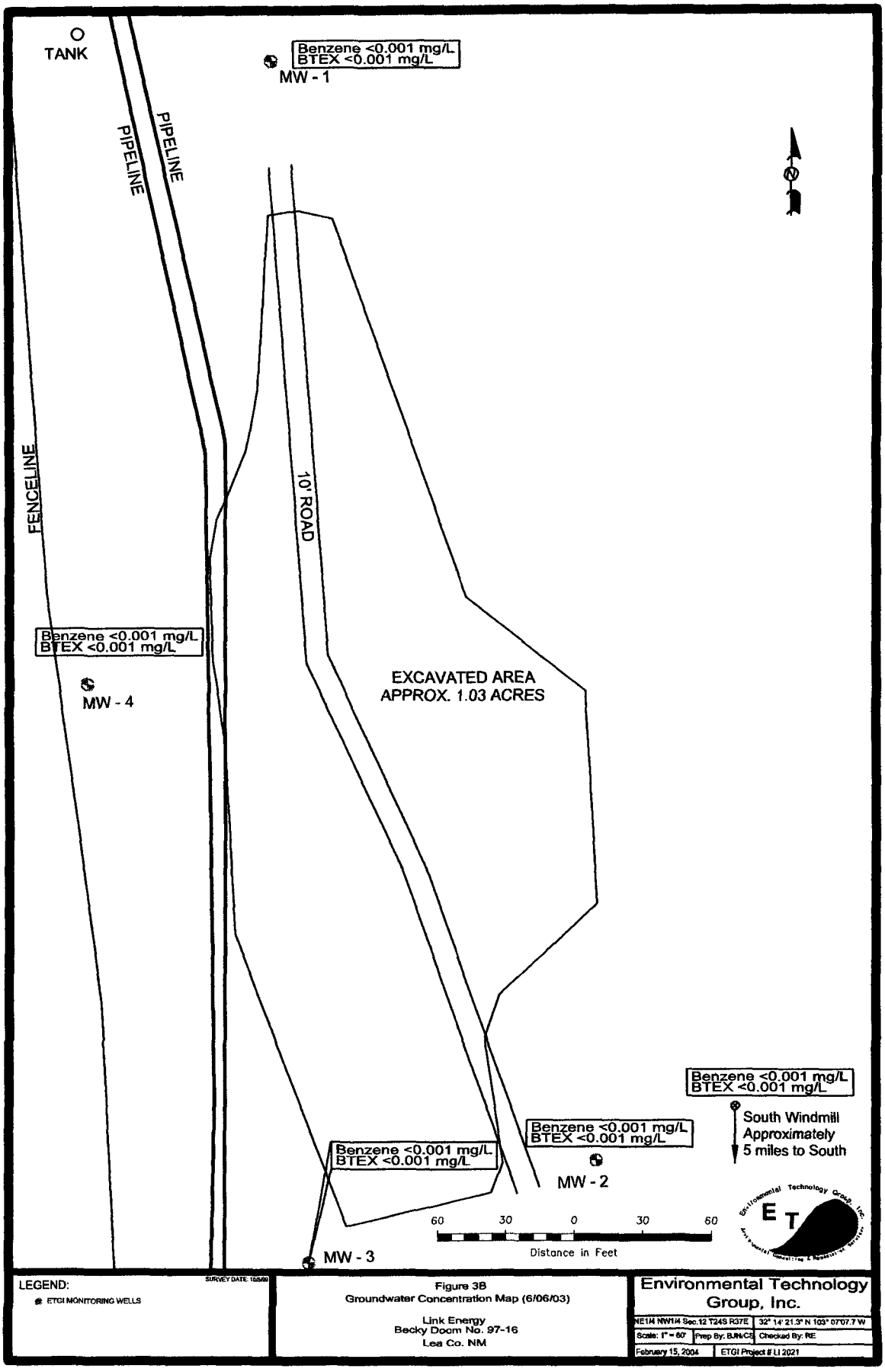

TANK
(3143.16)
MW - 1
PIPELINE
PIPELINE
3143.00
3142.50
FENCELINE
10' ROAD
0.004 ft/ft
3142.00
(3142.06)
MW - 4
EXCAVATED AREA
APPROX. 1.03 ACRES
3141.50
South Windmill
Approximately
5 miles to South
MW - 2
(3141.07)
60
30
0
30
60
Distance in Feet
MW - 3 (3141.04)
LEGEND:
ETGI MONITORING WELLS
(3143.16) GROUND WATER ELEVATIONS
0.004 ft/ft
GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE
Figure 2A
Inferred Groundwater Gradient Map (03/26/03) Data
Link Energy
Becky Doom No. 97-16
Lea Co. NM
Environmental Technology Group, Inc.
NE1/4 NW1/4 Sec. 10 T24S R37E
32° 14' 21.3" N 103° 07'07.7" W
Scale: 1" = 60'
Prep By: BJR/CS
Checked By: RE
February 15, 2024
ETGI Project # LI 2021

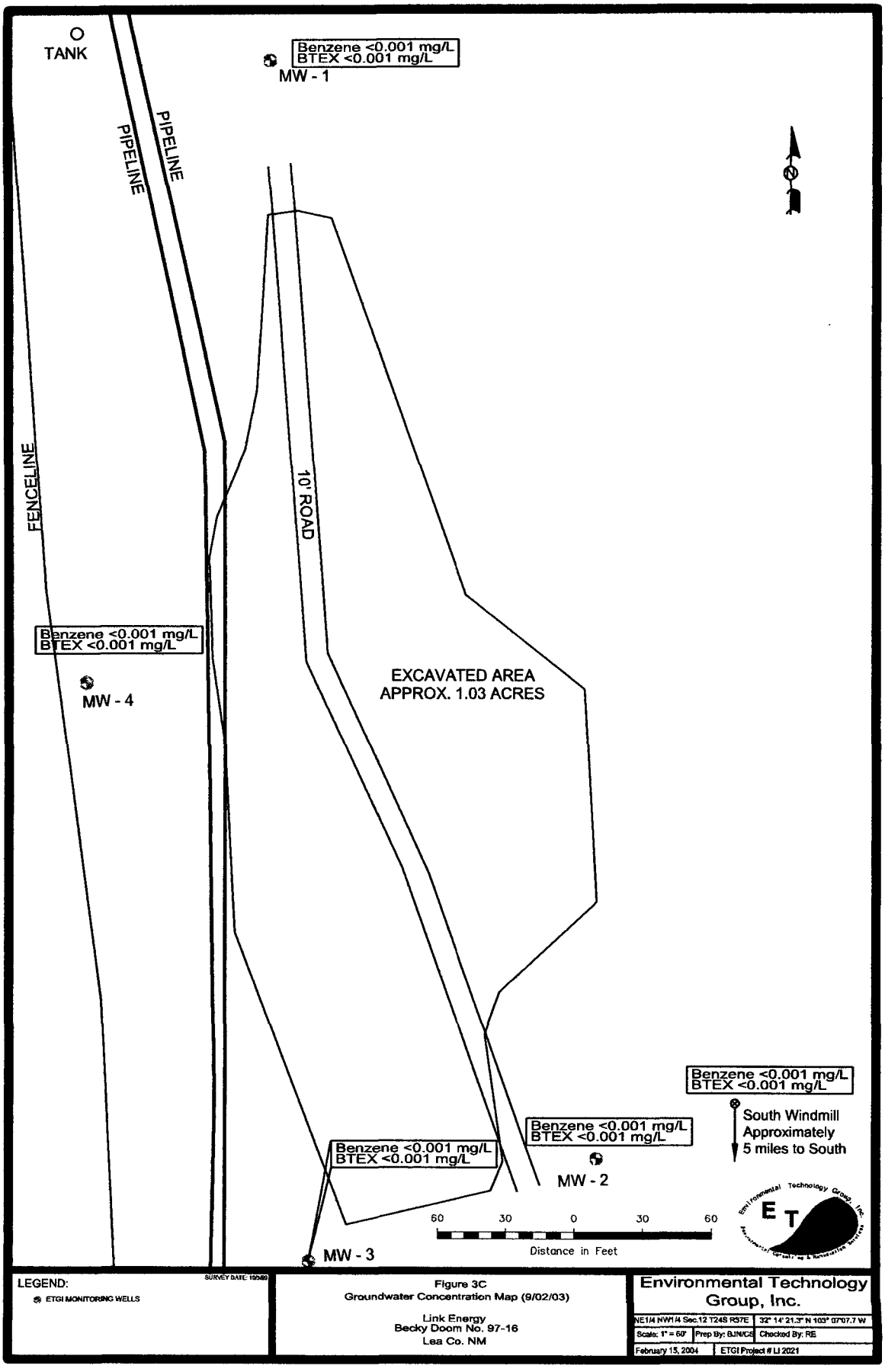

TANK
(3143.01)
MW - 1
3143.00
PIPELINE
PIPELINE
FENCELINE
10' ROAD
3142.50
0.004 ft/ft
3142.00
(3142.01)
MW - 4
EXCAVATED AREA
APPROX. 1.03 ACRES
3141.50
(3141.03)
MW - 2
3140.00
South Windmill
Approximately
5 miles to South
MW - 3 (3140.98)
60 30 0 30 60
Distance in Feet
LEGEND:
ETGI MONITORING WELLS
(3142.89) GROUND WATER ELEVATIONS
0.004 ft/ft
GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE
Figure 2B
Inferred Groundwater Gradient Map (06/06/03) Data
Link Energy
Becky Doom No. 97-16
LEA Co. NM
Environmental Technology Group, Inc.
NE1/4 NW1/4 Sec.12 T24S R37E
32° 14' 21.3" N 103° 07'07.7" W
Scale: 1" = 50'
Prep By: BJN/CR
Checked By: RE
February 15, 2004
ETGI Project # LI 2021

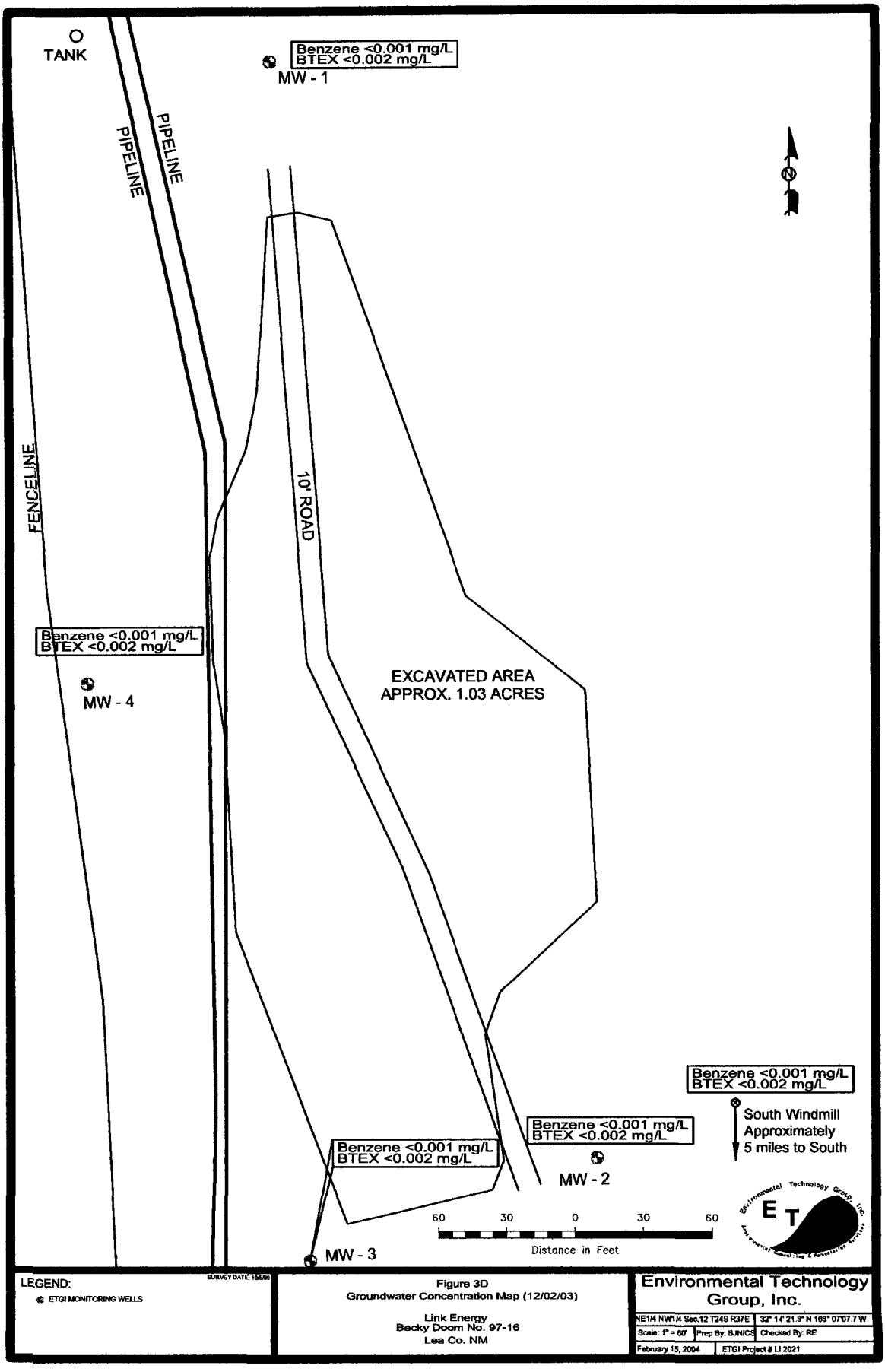

TANK
(3142.63)
MW - 1
PIPELINE
PIPELINE
3142.50
N
3142.00
FENCELINE
10' ROAD
0.004 ft/ft
(3141.63)
MW - 4
EXCAVATED AREA
APPROX. 1.03 ACRES
3141.50
3141.00
South Windmill
Approximately
5 miles to South
(3140.77)
MW - 2
60 30 0 30 60
Distance in Feet
MW - 3 (3140.72)
LEGEND:
ETGI MONITORING WELLS
(3140.86) GROUND WATER ELEVATIONS
0.004 ft/ft GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE
Figure 2C
Inferred Groundwater Gradient Map (09/02/03) Data
Link Energy
Becky Doom No. 97-16
Lea Co. NM
Environmental Technology Group, Inc.
NE1/4 NW1/4 Sec.12 T24S R37E
32° 14' 21.3" N 103° 07'07.7" W
Scale: 1" = 60'
Prep. By: BJM/CS
Checked By: RE
February 15, 2004
ETGI Project # LI 2021


TANK
(3142.72)
MW - 1
PIPELINE
PIPELINE
3142.50
3142.00
FENCELINE
LEASE ROAD
0.004 ft/ft
(3141.65)
MW - 4
EXCAVATED AREA
APPROX. 1.03 ACRES
3141.50
3141.00
South Windmill
Approximately
5 miles to South
MW - 2
(3140.73)
60 30 0 30 60
Distance in Feet
MW - 3 (3140.70)
LEGEND:
ETGI MONITORING WELLS
(3142.00) GROUND WATER ELEVATIONS
0.004 ft/ft GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE
Figure 2D
Inferred Groundwater Gradient Map (12/02/03) Data
Link Energy
Becky Doom No. 97-16
Lea Co. NM
Environmental Technology Group, Inc.
NE1/4 NW1/4 Sec.12 T24S R37E
32° 14' 21.3" N 103° 07'07.7 W
Scale: 1" = 60'
Prep By: BURICS
Checked By: RE
February 2, 2004
ETGI Project # LI 2021


TANK
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW - 1
PIPELINE
PIPELINE
FENCELINE
10' ROAD
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW - 4
EXCAVATED AREA
APPROX. 1.03 ACRES
Benzene <0.001 mg/L
BTEX <0.001 mg/L
South Windmill
Approximately
5 miles to South
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW - 2
Benzene 0.001 mg/L
BTEX 0.004 mg/L
MW - 3
60 30 0 30 60
Distance in Feet
LEGEND:
ETGI MONITORING WELLS
SURVEY DATE: 10/5/98
Figure 3A
Groundwater Concentration Map (3/26/03)
Link Energy
Becky Doom No. 97-16
Lea Co. NM
Environmental Technology Group, Inc.
NE1/4 NW1/4 Sec.12 T24S R37E
32° 14' 21.3" N 103° 07'07.7 W
Scale: 1" = 60'
Prep By: BJN/CS
Checked By: RE
February 15, 2004
ETGI Project # LI 2021


TANK
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW - 1
PIPELINE
PIPELINE
FENCELINE
10' ROAD
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW - 4
EXCAVATED AREA
APPROX. 1.03 ACRES
Benzene <0.001 mg/L
BTEX <0.001 mg/L
South Windmill
Approximately
5 miles to South
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW - 2
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW - 3
60 30 0 30 60
Distance in Feet
LEGEND:
ETGI MONITORING WELLS
SURVEY DATE: 10/5/99
Figure 3B
Groundwater Concentration Map (6/06/03)
Link Energy
Becky Doom No. 97-16
Lea Co. NM
Environmental Technology Group, Inc.
NE1/4 NW1/4 Sec.12 T24S R37E
32° 14' 21.3" N 103° 07'07.7 W
Scale: 1" = 60'
Prep By: BJN/CS
Checked By: RE
February 15, 2004
ETGI Project # LI 2021


TANK
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW - 1
PIPELINE
PIPELINE
FENCELINE
10' ROAD
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW - 4
EXCAVATED AREA
APPROX. 1.03 ACRES
Benzene <0.001 mg/L
BTEX <0.001 mg/L
South Windmill
Approximately
5 miles to South
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW - 2
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW - 3
60 30 0 30 60
Distance in Feet
LEGEND:
ETGI MONITORING WELLS
SURVEY DATE: 10/2/03
Figure 3C
Groundwater Concentration Map (9/02/03)
Link Energy
Becky Doom No. 97-16
Lea Co. NM
Environmental Technology Group, Inc.
NE1/4 NW1/4 Sec.12 T24S R37E
32° 14' 21.3" N 103° 07'07.7 W
Scale: 1" = 60'
Prep By: BJN/CS
Checked By: RE
February 15, 2004
ETGI Project # LI 2021


TANK
Benzene <0.001 mg/L
BTEX <0.002 mg/L
MW - 1
PIPELINE
PIPELINE
FENCELINE
10' ROAD
Benzene <0.001 mg/L
BTEX <0.002 mg/L
MW - 4
EXCAVATED AREA
APPROX. 1.03 ACRES
Benzene <0.001 mg/L
BTEX <0.002 mg/L
Benzene <0.001 mg/L
BTEX <0.002 mg/L
MW - 2
Benzene <0.001 mg/L
BTEX <0.002 mg/L
South Windmill
Approximately
5 miles to South
60 30 0 30 60
Distance in Feet
MW - 3
LEGEND:
ETGI MONITORING WELLS
SURVEY DATE: 10/5/99
Figure 3D
Groundwater Concentration Map (12/02/03)
Link Energy
Becky Doom No. 97-16
Lea Co. NM
Environmental Technology Group, Inc.
NE1/4 NW1/4 Sec.12 T24S R37E
32° 14' 21.3" N 103° 07'07.7 W
Scale: 1" = 50'
Prep By: BJN/CS
Checked By: RE
February 15, 2004
ETGI Project # LI 2021

TABLES

TABLE 1

GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2021

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	01/21/99	3,163.63	-	20.19	0.00	3,143.44
	04/13/99	3,163.63	-	20.13	0.00	3,143.50
	08/24/99	3,163.63	-	20.33	0.00	3,143.30
	11/04/99	3,163.63	-	20.30	0.00	3,143.33
	01/13/00	3,163.63	-	20.26	0.00	3,143.37
	04/05/00	3,163.63	-	20.06	0.00	3,143.57
	09/05/00	3,163.63	-	20.62	0.00	3,143.01
	11/21/00	3,163.63	-	20.41	0.00	3,143.22
	01/25/01	3,163.63	-	20.25	0.00	3,143.38
	04/03/01	3,163.63	-	20.05	0.00	3,143.58
	09/10/01	3,163.63	-	20.68	0.00	3,142.95
	10/22/01	3,163.63	-	20.68	0.00	3,142.95
	01/28/02	3,163.63	-	20.53	0.00	3,143.10
	05/13/02	3,163.63	-	20.08	0.00	3,143.55
	08/19/02	3,163.63	-	20.75	0.00	3,142.88
	12/16/02	3,163.63	-	20.58	0.00	3,143.05
	03/26/03	3,163.63	-	20.47	0.00	3,143.16
	06/06/03	3,163.63	-	20.62	0.00	3,143.01
	09/02/03	3,163.63	-	21.00	0.00	3,142.63
	12/02/03	3,163.63	-	20.91	0.00	3,142.72
MW - 2	01/21/99	3,162.32	-	20.95	0.00	3,141.37
	04/13/99	3,162.32	-	20.90	0.00	3,141.42
	08/24/99	3,162.32	-	20.95	0.00	3,141.37
	11/04/99	3,162.32	-	21.00	0.00	3,141.32
	01/13/00	3,162.32	-	21.02	0.00	3,141.30
	04/05/00	3,162.32	-	20.74	0.00	3,141.58
	09/05/00	3,162.32	-	21.24	0.00	3,141.08
	11/21/00	3,162.32	-	21.05	0.00	3,141.27
	01/25/01	3,162.32	-	21.00	0.00	3,141.32
	04/03/01	3,162.32	-	21.02	0.00	3,141.30
	09/10/01	3,162.32	-	21.27	0.00	3,141.05
	10/22/01	3,162.32	-	21.30	0.00	3,141.02
	01/28/02	3,162.32	-	21.25	0.00	3,141.07
	05/13/02	3,162.32	-	20.26	0.00	3,142.06
	08/19/02	3,162.32	-	21.33	0.00	3,140.99

TABLE 1

GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2021

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	12/16/02	3,162.32	-	21.24	0.00	3,141.08
	03/26/03	3,162.32	-	21.25	0.00	3,141.07
	06/06/03	3,162.32	-	21.29	0.00	3,141.03
	09/02/03	3,162.32	-	21.55	0.00	3,140.77
	12/02/03	3,162.32	-	21.59	0.00	3,140.73
MW - 3	01/21/99	3,162.20	-	20.89	0.00	3,141.31
	04/13/99	3,162.20	-	20.81	0.00	3,141.39
	08/24/99	3,162.20	-	20.86	0.00	3,141.34
	11/04/99	3,162.20	-	20.91	0.00	3,141.29
	01/13/00	3,162.20	-	20.93	0.00	3,141.27
	04/05/00	3,162.20	-	20.69	0.00	3,141.51
	09/05/00	3,162.20	-	21.16	0.00	3,141.04
	11/21/00	3,162.20	-	20.98	0.00	3,141.22
	01/25/01	3,162.20	-	20.91	0.00	3,141.29
	04/03/01	3,162.20	-	20.92	0.00	3,141.28
	09/10/01	3,162.20	-	21.20	0.00	3,141.00
	10/22/01	3,162.20	-	21.23	0.00	3,140.97
	01/28/02	3,162.00	-	21.16	0.00	3,140.84
	05/13/02	3,162.20	-	20.45	0.00	3,141.75
	08/19/02	3,162.20	-	21.25	0.00	3,140.95
	12/16/02	3,162.20	-	21.21	0.00	3140.99
	03/26/03	3,162.20	-	21.16	0.00	3141.04
	06/06/03	3,162.20	-	21.22	0.00	3140.98
	09/02/03	3,162.20	-	21.48	0.00	3140.72
	12/02/03	3,162.20	-	21.50	0.00	3140.70
MW - 4	11/04/99	3,165.40	-	23.13	0.00	3,142.27
	01/13/00	3,165.40	-	23.14	0.00	3,142.26
	04/05/00	3,165.40	-	22.87	0.00	3,142.53
	09/05/00	3,165.40	-	23.44	0.00	3,141.96
	11/21/00	3,165.40	-	23.19	0.00	3,142.21
	01/25/01	3,165.40	-	23.10	0.00	3,142.30
	04/03/01	3,165.40	-	23.10	0.00	3,142.30
	09/10/01	3,165.40	-	23.45	0.00	3,141.95
	10/22/01	3,165.40	-	23.48	0.00	3,141.92
	01/28/02	3,165.40	-	23.32	0.00	3,142.08
	05/13/02	3,165.40	-	22.63	0.00	3,142.77

TABLE 1

GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2021

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	08/19/02	3,165.40	-	23.53	0.00	3,141.87
	12/16/02	3,165.40	-	23.42	0.00	3,141.98
	03/26/03	3,165.40	-	23.34	0.00	3,142.06
	06/06/03	3,165.40	-	23.39	0.00	3,142.01
	09/02/03	3,165.40	-	23.77	0.00	3,141.63
	12/02/03	3,165.40	-	23.75	0.00	3,141.65

Elevations based on the North America Vertical Datum of 1929.

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LINK ENERGY
TNM 97 - 16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2021

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	Method: 8260b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m - p XYLENES	o - XYLENE
MW - 3	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
	04/05/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/05/00	0.003	<0.001	<0.001	<0.001	<0.001
	11/21/00	0.012	<0.001	<0.001	<0.001	<0.001
	01/25/01	0.029	<0.001	<0.001	<0.001	0.001
	04/03/01	0.010	<0.001	<0.001	<0.001	<0.001
	06/28/01	<0.001	<0.001	<0.001	<0.001	<0.001
	09/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/22/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
	08/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	03/26/03	0.001	<0.001	<0.001	0.003	<0.001
	06/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
	09/02/03	<0.001	<0.001	<0.001	<0.001	<0.001
	12/02/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	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
	04/05/00	0.001	0.001	<0.001	0.001	<0.001
	09/05/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/00	<0.001	<0.001	<0.001	<0.001	<0.001
	01/25/01	<0.001	<0.001	<0.001	<0.001	<0.001
	04/03/01	<0.001	<0.001	<0.001	<0.001	<0.001
	06/28/01	<0.001	<0.001	<0.001	<0.001	<0.001
	09/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/22/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
	08/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	0.002	<0.001	<0.001	<0.001	<0.001
	03/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
	06/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
	09/02/03	<0.001	<0.001	<0.001	<0.001	<0.001
	12/02/03	<0.001	<0.001	<0.001	<0.002	<0.001

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LINK ENERGY
TNM 97 - 16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2021

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	Method: 8260b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m - p XYLENES	o - XYLENE
S. WINDMILL	06/21/01	<0.005	<0.005	<0.005	<0.005	<0.005
	09/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/22/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
	08/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	03/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
	06/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
	09/02/03	<0.001	<0.001	<0.001	<0.001	<0.001
	12/02/03	<0.001	<0.001	<0.001	<0.002	<0.001
EB - 1	09/05/00	<0.001	<0.001	<0.001	<0.001	<0.001
	01/25/01	<0.001	<0.001	<0.001	<0.001	<0.001
	04/03/01	<0.001	<0.001	<0.001	<0.001	<0.001
	06/28/01	<0.001	<0.001	<0.001	<0.001	<0.001
	09/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/22/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
	08/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001	<0.001

Note: EB denotes Equipment Blank collected during the sampling event.

Appendix A

Laboratory Reports

AnalySys Inc.

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

FILE

Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 140888 **Report Date:** 04/03/03
Project ID: EO 2021 TNM 97-16
Sample Name: MW-1
Sample Matrix: water
Date Received: 03/28/2003 **Time:** 12:20
Date Sampled: 03/26/2003 **Time:** 15:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/01/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/01/03	8260b	---	1.6	86.7	89.6	80.5
Ethylbenzene	<1	µg/L	1	<1	04/01/03	8260b	---	5.1	101.8	97.4	102.1
m,p-Xylenes	<1	µg/L	1	<1	04/01/03	8260b	---	0.7	103.4	98.6	106.4
o-Xylene	<1	µg/L	1	<1	04/01/03	8260b	---	0.3	102.8	99.7	106.7
Toluene	<1	µg/L	1	<1	04/01/03	8260b	---	1.6	91	96.5	85.7

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.

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.

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	**Project ID:** EO 2021 TNM 97-16	**Report#/Lab ID#:** 140888
Attn: Camille Reynolds	**Sample Name:** MW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.7	80-120	---
Toluene-d8	8260b	107	88-110	---

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

AnalySys Inc
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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 140889 **Report Date:** 04/03/03
Project ID: EO 2021 TNM 97-16
Sample Name: MW-2
Sample Matrix: water
Date Received: 03/28/2003 **Time:** 12:20
Date Sampled: 03/26/2003 **Time:** 13:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/01/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/01/03	8260b	---	1.6	86.7	89.6	80.5
Ethylbenzene	<1	µg/L	1	<1	04/01/03	8260b	---	5.1	101.8	97.4	102.1
m,p-Xylenes	<1	µg/L	1	<1	04/01/03	8260b	---	0.7	103.4	98.6	106.4
o-Xylene	<1	µg/L	1	<1	04/01/03	8260b	---	0.3	102.8	99.7	106.7
Toluene	<1	µg/L	1	<1	04/01/03	8260b	---	1.6	91	96.5	85.7

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ANALYSYS INC.
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 2021 TNM 97-16	**Report#/Lab ID#:** 140889
Attn: Camille Reynolds	**Sample Name:** MW-2	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	105	88-110	---

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

AnalySys, Inc.
3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 140890 **Report Date:** 04/03/03
Project ID: EO 2021 TNM 97-16
Sample Name: MW-3
Sample Matrix: water
Date Received: 03/28/2003 **Time:** 12:20
Date Sampled: 03/26/2003 **Time:** 11:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/01/03	8260b	---	---	---	---	---
Benzene	**1.49**	µg/L	1	<1	04/01/03	8260b	---	1.6	86.7	89.6	80.5
Ethylbenzene	<1	µg/L	1	<1	04/01/03	8260b	---	5.1	101.8	97.4	102.1
m,p-Xylenes	**2.58**	µg/L	1	<1	04/01/03	8260b	---	0.7	103.4	98.6	106.4
o-Xylene	<1	µg/L	1	<1	04/01/03	8260b	---	0.3	102.8	99.7	106.7
Toluene	<1	µg/L	1	<1	04/01/03	8260b	---	1.6	91	96.5	85.7

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.

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ANALYSYS INC.
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 2021 TNM 97-16	**Report#/Lab ID#:** 140890
Attn: Camille Reynolds	**Sample Name:** MW-3	**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	108	88-110	---

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

ANALYSYS INC
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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 140891 **Report Date:** 04/03/03
Project ID: EO 2021 TNM 97-16
Sample Name: MW-4
Sample Matrix: water
Date Received: 03/28/2003 **Time:** 12:20
Date Sampled: 03/26/2003 **Time:** 12:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/01/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/01/03	8260b	---	1.6	86.7	89.6	80.5
Ethylbenzene	<1	µg/L	1	<1	04/01/03	8260b	---	5.1	101.8	97.4	102.1
m,p-Xylenes	<1	µg/L	1	<1	04/01/03	8260b	---	0.7	103.4	98.6	106.4
o-Xylene	<1	µg/L	1	<1	04/01/03	8260b	---	0.3	102.8	99.7	106.7
Toluene	<1	µg/L	1	<1	04/01/03	8260b	---	1.6	91	96.5	85.7

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ANALYSYS INC.
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 2021 TNM 97-16	**Report#/Lab ID#:** 140891
Attn: Camille Reynolds	**Sample Name:** MW-4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.2	80-120	---
Toluene-d8	8260b	108	88-110	---

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

ANALYSYS INC

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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 140892 **Report Date:** 04/03/03
Project ID: EO 2021 TNM 97-16
Sample Name: South Windmill
Sample Matrix: water
Date Received: 03/28/2003 **Time:** 12:20
Date Sampled: 03/26/2003 **Time:** 16:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/01/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/01/03	8260b	---	1.6	86.7	89.6	80.5
Ethylbenzene	<1	µg/L	1	<1	04/01/03	8260b	---	5.1	101.8	97.4	102.1
m,p-Xylenes	<1	µg/L	1	<1	04/01/03	8260b	---	0.7	103.4	98.6	106.4
o-Xylene	<1	µg/L	1	<1	04/01/03	8260b	---	0.3	102.8	99.7	106.7
Toluene	<1	µg/L	1	<1	04/01/03	8260b	---	1.6	91	96.5	85.7

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** EO 2021 TNM 97-16	**Report#/Lab ID#:** 140892
Attn: Camille Reynolds	**Sample Name:** South Windmill	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	107	88-110	---

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

CHAIN-OF-CUSTODY

4221 Freidrich Lane, Suite 190, Austin, TX 78
(512) 444-5896

Send Reports To:
Company Name E.T.G.I.
Address 2540 W. Marland
City Hobbs State NM Zip 88240
ATTN: Camille Reynolds
Phone 505-397-4882 Fax 505-397-4701

Bill to (if different):
Company Name Eott
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: EO 2021 TNM 97-16 Sampler: Justin Tait

Analyses Requested (1)
Please attach explanatory information as requi

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021b	Comments
MW-1	3-26-03	3:00	2		X		140888	X	
MW-2	3-26-03	1:45	2		X		140889	X	
MW-3	3-26-03	11:15	2		X		140890	X	
MW-4	3-26-03	12:30	2		X		140891	X	
South Windmill	3-26-03	4:00	2		X		140892	X	

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 re
its (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 Pollut
I's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T=5.2°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Justin Tait	ETGI	3-26-03		Melanie Humphrey	ASI	3/28/03	12:20

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

FILE

ANALYSYS INC
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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 143905 **Report Date:** 06/18/03
Project ID: EO 2021 TNM 97-16
Sample Name: MW-1
Sample Matrix: water
Date Received: 06/11/2003 **Time:** 12:00
Date Sampled: 06/06/2003 **Time:** 09:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		06/13/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/13/03	8260b	---	4.9	86.3	82.3	81.9
Ethylbenzene	<1	µg/L	1	<1	06/13/03	8260b	---	1.7	101.5	97.9	98.3
m,p-Xylenes	<1	µg/L	1	<1	06/13/03	8260b	---	1.4	109.9	108.8	105.3
o-Xylene	<1	µg/L	1	<1	06/13/03	8260b	---	0.2	108.1	114.4	102.8
Toluene	<1	µg/L	1	<1	06/13/03	8260b	---	1.4	90.5	86.3	86.5

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.

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.

ANALYSYS INC
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:** Camille Reynolds	**Project ID:** EO 2021 TNM 97-16 **Sample Name:** MW-1	**Report#/Lab ID#:** 143905 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.9	80-120	---
Toluene-d8	8260b	88.3	88-110	---

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

AnalySys, Inc.
3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 143906 **Report Date:** 06/18/03
Project ID: EO 2021 TNM 97-16
Sample Name: MW-2
Sample Matrix: water
Date Received: 06/11/2003 **Time:** 12:00
Date Sampled: 06/06/2003 **Time:** 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		06/13/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/13/03	8260b	---	4.9	86.3	82.3	81.9
Ethylbenzene	<1	µg/L	1	<1	06/13/03	8260b	---	1.7	101.5	97.9	98.3
m,p-Xylenes	<1	µg/L	1	<1	06/13/03	8260b	---	1.4	109.9	108.8	105.3
o-Xylene	<1	µg/L	1	<1	06/13/03	8260b	---	0.2	108.1	114.4	102.8
Toluene	<1	µg/L	1	<1	06/13/03	8260b	---	1.4	90.5	86.3	86.5

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.

Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** EO 2021 TNM 97-16	**Report#/Lab ID#:** 143906
Attn: Camille Reynolds	**Sample Name:** MW-2	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.5	80-120	---
Toluene-d8	8260b	109	88-110	---

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

ANALYSYS INC
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 143907 **Report Date:** 06/18/03
Project ID: EO 2021 TNM 97-16
Sample Name: MW-3
Sample Matrix: water
Date Received: 06/11/2003 **Time:** 12:00
Date Sampled: 06/06/2003 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		06/13/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/13/03	8260b	---	4.9	86.3	82.3	81.9
Ethylbenzene	<1	µg/L	1	<1	06/13/03	8260b	---	1.7	101.5	97.9	98.3
m,p-Xylenes	<1	µg/L	1	<1	06/13/03	8260b	---	1.4	109.9	108.8	105.3
o-Xylene	<1	µg/L	1	<1	06/13/03	8260b	---	0.2	108.1	114.4	102.8
Toluene	<1	µg/L	1	<1	06/13/03	8260b	---	1.4	90.5	86.3	86.5

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.

Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** EO 2021 TNM 97-16 **Sample Name:** MW-3	**Report#/Lab ID#:** 143907 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.4	80-120	---
Toluene-d8	8260b	105	88-110	---

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

ANALYSYS INC

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 143908 **Report Date:** 06/18/03
Project ID: EO 2021 TNM 97-16
Sample Name: MW-4
Sample Matrix: water
Date Received: 06/11/2003 **Time:** 12:00
Date Sampled: 06/06/2003 **Time:** 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		06/16/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/16/03	8260b	---	4.9	86.3	82.3	81.9
Ethylbenzene	<1	µg/L	1	<1	06/16/03	8260b	---	1.7	101.5	97.9	98.3
m,p-Xylenes	<1	µg/L	1	<1	06/16/03	8260b	---	1.4	109.9	108.8	105.3
o-Xylene	<1	µg/L	1	<1	06/16/03	8260b	---	0.2	108.1	114.4	102.8
Toluene	<1	µg/L	1	<1	06/16/03	8260b	---	1.4	90.5	86.3	86.5

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Client: Environmental Tech Group	**Project ID:** EO 2021 TNM 97-16	**Report#/Lab ID#:** 143908
Attn: Camille Reynolds	**Sample Name:** MW-4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.7	80-120	---
Toluene-d8	8260b	99.8	88-110	---

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

ANALYSYS INC

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 143909 **Report Date:** 06/18/03
Project ID: EO 2021 TNM 97-16
Sample Name: Wind Mill
Sample Matrix: water
Date Received: 06/11/2003 **Time:** 12:00
Date Sampled: 06/06/2003 **Time:** 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		06/16/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/16/03	8260b	---	4.9	86.3	82.3	81.9
Ethylbenzene	<1	µg/L	1	<1	06/16/03	8260b	---	1.7	101.5	97.9	98.3
m,p-Xylenes	<1	µg/L	1	<1	06/16/03	8260b	---	1.4	109.9	108.8	105.3
o-Xylene	<1	µg/L	1	<1	06/16/03	8260b	---	0.2	108.1	114.4	102.8
Toluene	<1	µg/L	1	<1	06/16/03	8260b	---	1.4	90.5	86.3	86.5

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Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** EO 2021 TNM 97-16 **Sample Name:** Wind Mill	**Report#/Lab ID#:** 143909 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.9	80-120	---
Toluene-d8	8260b	107	88-110	---

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

CHAIN-OF-CUSTODY

WWW.ANALYSYSINC.COM

3512 Montopolis Drive, Austin, TX
Phone: (512) 385-5886 Fax: (512) 3

2209 N.P.L.D., Ste K, Corpus Christi, T
Phone: (361) 289-6384 Fax: (361) 2

Send Reports To:

Company Name: Environmental Technology Group Inc.
Address: 2540 W. Marland
City: Hobbs State: N.M. Zip: 88240
ATTN: Camille Reynolds
Phone: (505) 397-4882 Fax: (505) 397-4701

Bill to (if different):

Company Name: Eott
Address:
City: State: Zip:
ATTN:
Phone: Fax:

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: EO 2021 TNM 97-16 Sampler: Justin Frisk

Analyses Requested
Please attach explanatory information

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021b	Comments
MW-1	6-6-03	9:00	2		X		143905	X	
MW-2	6-6-03	10:00	2		X		143906	X	
MW-3	6-6-03	11:00	2		X		143907	X	
MW-4	6-6-03	12:00	2		X		143908	X	
Wind Mill	6-6-03	1:00	2		X		143909	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 norm 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 I ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T=5.5°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	T
[illegible]	ETGI	6-6-03		Melanie Humphrey	ASI	6/11/03	12:0

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

FILE

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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 146876 **Report Date:** 09/09/03
Project ID: EO 2021
Sample Name: MW-1
Sample Matrix: water
Date Received: 09/03/2003 **Time:** 14:05
Date Sampled: 09/02/2003 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
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

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Respectfully Submitted.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** EO 2021 **Sample Name:** MW-1	**Report#/Lab ID#:** 146876 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.9	80-120	---
Toluene-d8	8260b	104	88-110	---

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

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Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 146877 **Report Date:** 09/09/03
Project ID: EO 2021
Sample Name: MW-2
Sample Matrix: water
Date Received: 09/03/2003 **Time:** 14:05
Date Sampled: 09/02/2003 **Time:** 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
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

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** EO 2021 **Sample Name:** MW-2	**Report#/Lab ID#:** 146877 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.8	80-120	---
Toluene-d8	8260b	106	88-110	---

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

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Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 146878 **Report Date:** 09/09/03
Project ID: EO 2021
Sample Name: MW-3
Sample Matrix: water
Date Received: 09/03/2003 **Time:** 14:05
Date Sampled: 09/02/2003 **Time:** 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
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.

Respectfully Submitted,

Richard Laster

Richard Laster

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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:** Camille Reynolds	**Project ID:** EO 2021 **Sample Name:** MW-3	**Report#/Lab ID#:** 146878 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.9	80-120	---
Toluene-d8	8260b	104	88-110	---

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

ANALYSIS
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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 146879 **Report Date:** 09/09/03
Project ID: EO 2021
Sample Name: MW-4
Sample Matrix: water
Date Received: 09/03/2003 **Time:** 14:05
Date Sampled: 09/02/2003 **Time:** 13:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
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.

Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** EO 2021	**Report#/Lab ID#:** 146879
Attn: Camille Reynolds	**Sample Name:** MW-4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.2	80-120	---
Toluene-d8	8260b	105	88-110	---

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

ANALYSYS

3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 146880 **Report Date:** 09/09/03
Project ID: EO 2021
Sample Name: South Windmill
Sample Matrix: water
Date Received: 09/03/2003 **Time:** 14:05
Date Sampled: 09/02/2003 **Time:** 14:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
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.

Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** EO 2021	**Report#/Lab ID#:** 146880
Attn: Camille Reynolds	**Sample Name:** South Windmill	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.9	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

AnalySys Inc.

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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) 289-0875

Send Reports To:

Company Name Environmental Technology Group
Address 2540 W. Marland
City Hobbs State N.M. Zip 88240
ATTN: Camille Reynolds
Phone (505) 397-4882 Fax (505) 397-4701

Bill to (if different):

Company Name Eott
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: EO2021 Sampler: Justin Frixe

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)	BTEX 8021 B								Comments
MW-1	9-2-03	11:00	2		X		146876	X								
MW-2	9-2-03	11:30	2		X		146877	X								
MW-3	9-2-03	1:00	2		X		146878	X								
MW-4	9-2-03	1:30	2		X		146879	X								
South Windmill	9-2-03	2:30	2		X		146880	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 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				Sample Received By T=3.8°C			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Justin Frixe	ETGI	9-2-03		E. [illegible]	ASI	9-3-03	14:05

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

FILE

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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 150561 **Report Date:** 12/15/03
Project ID: EO2021 97-16
Sample Name: MW-1
Sample Matrix: water
Date Received: 12/09/2003 **Time:** 15:00
Date Sampled: 12/02/2003 **Time:** 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/11/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/03	8260b	---	0.8	87.3	89	93.4
Ethylbenzene	<1	µg/L	1	<1	12/11/03	8260b	---	3	104.3	112.2	108.2
m,p-Xylenes	<2	µg/L	2	<2	12/11/03	8260b	---	3.3	106.4	114.1	109
o-Xylene	<1	µg/L	1	<1	12/11/03	8260b	---	2.5	110.1	119.2	115.4
Toluene	<1	µg/L	1	<1	12/11/03	8260b	---	0.7	89.6	96	98.8

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Client: Environmental Tech Group	**Project ID:** EO2021 97-16	**Report#/Lab ID#:** 150561
Attn: Camille Reynolds	**Sample Name:** MW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	101	88-110	---

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

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Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 150562 **Report Date:** 12/15/03
Project ID: EO2021 97-16
Sample Name: MW-2
Sample Matrix: water
Date Received: 12/09/2003 **Time:** 15:00
Date Sampled: 12/02/2003 **Time:** 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/11/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/03	8260b	---	0.8	87.3	89	93.4
Ethylbenzene	<1	µg/L	1	<1	12/11/03	8260b	---	3	104.3	112.2	108.2
m,p-Xylenes	<2	µg/L	2	<2	12/11/03	8260b	---	3.3	106.4	114.1	109
o-Xylene	<1	µg/L	1	<1	12/11/03	8260b	---	2.5	110.1	119.2	115.4
Toluene	<1	µg/L	1	<1	12/11/03	8260b	---	0.7	89.6	96	98.8

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** EO2021 97-16	**Report#/Lab ID#:** 150562
Attn: Camille Reynolds	**Sample Name:** MW-2	**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	101	88-110	---

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

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

Report#/Lab ID#:	150563 **Report Date:** 12/15/03
Project ID:	EO2021 97-16
Sample Name:	MW-3
Sample Matrix:	water
Date Received:	12/09/2003 **Time:** 15:00
Date Sampled:	12/02/2003 **Time:** 12:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/11/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/03	8260b	---	0.8	87.3	89	93.4
Ethylbenzene	<1	µg/L	1	<1	12/11/03	8260b	---	3	104.3	112.2	108.2
m,p-Xylenes	<2	µg/L	2	<2	12/11/03	8260b	---	3.3	106.4	114.1	109
o-Xylene	<1	µg/L	1	<1	12/11/03	8260b	---	2.5	110.1	119.2	115.4
Toluene	<1	µg/L	1	<1	12/11/03	8260b	---	0.7	89.6	96	98.8

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** EO2021 97-16 **Sample Name:** MW-3	**Report#/Lab ID#:** 150563 **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	101	88-110	---

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

3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 150564 **Report Date:** 12/15/03
Project ID: EO2021 97-16
Sample Name: MW-4
Sample Matrix: water
Date Received: 12/09/2003 **Time:** 15:00
Date Sampled: 12/02/2003 **Time:** 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/11/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/03	8260b	---	0.8	87.3	89	93.4
Ethylbenzene	<1	µg/L	1	<1	12/11/03	8260b	---	3	104.3	112.2	108.2
m,p-Xylenes	<2	µg/L	2	<2	12/11/03	8260b	---	3.3	106.4	114.1	109
o-Xylene	<1	µg/L	1	<1	12/11/03	8260b	---	2.5	110.1	119.2	115.4
Toluene	<1	µg/L	1	<1	12/11/03	8260b	---	0.7	89.6	96	98.8

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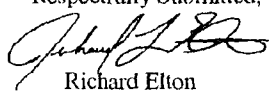
Respectfully Submitted,



Richard Elton

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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:** EO2021 97-16	**Report#/Lab ID#:** 150564
Attn: Camille Reynolds	**Sample Name:** MW-4	**Sample Matrix:** water

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.

3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 150565 **Report Date:** 12/15/03
Project ID: EO2021 97-16
Sample Name: Windmill
Sample Matrix: water
Date Received: 12/09/2003 **Time:** 15:00
Date Sampled: 12/02/2003 **Time:** 13:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/11/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/03	8260b	---	0.8	87.3	89	93.4
Ethylbenzene	<1	µg/L	1	<1	12/11/03	8260b	---	3	104.3	112.2	108.2
m,p-Xylenes	<2	µg/L	2	<2	12/11/03	8260b	---	3.3	106.4	114.1	109
o-Xylene	<1	µg/L	1	<1	12/11/03	8260b	---	2.5	110.1	119.2	115.4
Toluene	<1	µg/L	1	<1	12/11/03	8260b	---	0.7	89.6	96	98.8

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.

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

Client: Environmental Tech Group	**Project ID:** EO2021 97-16	**Report#/Lab ID#:** 150565
Attn: Camille Reynolds	**Sample Name:** Windmill	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	80-120	---
Toluene-d8	8260b	101	88-110	---

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

CHAIN- -CUSTODY

www.an[illegible]ysinc.com

ANALYSIS INC.

3512 Montopolis Drive Austin TX 78744 Ph (512) 385-5880 Fax (512) 385-7411

2209 N Padre Island Dr, Ste K Corpus Christi TX 78408 Ph (361) 289-0881 Fax (361) 289-0885

Send Reports To:

Company Name: Environmental Technology Group Inc.
Address: 2540 W. Marland
City: Hobbs State: N.M. Zip: 88240
ATTN: Camille Reynolds
Phone: (505) 397-4882 Fax: (505) 397-4701
Project Name/PO#: EO 2021 97-16 Sampler: Justin Fisk

Bill To (if different):

Company Name: Link Energy
Address:
City: State: Zip:
ATTN:
Phone: Fax:

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 Shipped	Grab	Composite	Lab I.D. # (Lab Only)	No of Containers and Preservative (TRRP-13 Mandatory): Ice	HNO3	HCL	ZnAc/NaOH	H2SO4 Glass	None	Other (Specify)	Matrix: Water	Wastewater	Waste	Soil	Other (Specify)	Analyze For: 8TEX/8021B	RUSH TAT (Pre-Scheduled)	Standard TAT
mw-1	12-2-03	11:30	2				X		X					X					X		
mw-2	12-2-03	12:00	2				X		X					X					X		
mw-3	12-2-03	12:30	2				X		X					X					X		
mw-4	12-2-03	1:00	2				X		X					X					X		
Windmill	12-2-03	1:30	2				X		X					X					X		

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

Temperature upon receipt (Consistent with NELAC Standards): Y/S 4.5°C

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 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 QC procedures.

Sample Relinquished By: Name	Affiliation	Date	Time	Sample Received By: Name	Affiliation	Date	Time
[signature]	ETGI	12-2-03		[illegible]	ASI	12/3/03	15:0

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

Appendix B

NMOCD Letter

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

May 28, 2003

Mr. William von Drehle, Director, Environmental
EOTT ENERGY LLC
P.O. Box 4666
Houston, Texas 77210-4666

RE: CASE #1R 0138 TNM 97-16 BECKY DOOM

Dear Mr. Von Drehle:

The New Mexico Oil Conservation Division (OCD) has reviewed the following EOTT Energy LLC documents, which were submitted to the OCD by EOTT's consultant Environmental Technology Group, Inc (ETGI.)

- April 2001 "ANNUAL MONITORING REPORT, EOTT PIPELINE COMPANY, TNM 97-16, LEA COUNTY, NEW MEXICO."
- April 2003 "ANNUAL MONITORING REPORT, EOTT ENERGY, LLC, TNM 97-16, NE ¼ NW ¼ OF SECTION 12, TOWNSHIP 24 NORTH, RANGE 37 EAST, LEA COUNTY NEW MEXICO"

These documents contain the results of ETGI's ground water monitoring activities of a single monitoring well on this site. Quarterly sampling since January 1999 has shown the ground water to be in compliance with New Mexico Water Quality Control Commission (WQCC) standards as demonstrated in twenty one consecutive sampling events.

The closure for this site **is approved on the condition that the monitor wells be properly plugged and abandoned *according to standard industry practices.***

Please be advised that OCD approval does not relieve EOTT of responsibility if remaining contaminants are found to pose a future threat to surface water, ground water, human health or the environment. In addition, OCD approval does not relieve EOTT of responsibility for compliance with any other federal, state, tribal or local laws and regulations. If you have any questions, please email me or call me at (505) 476-3493.

Sincerely,

Randolph Bayliss, P.E.
Hydrologist
Environmental Bureau

xc: Chris Williams, OCD Hobbs District Office

EOTT ENERGY LLC

P.O. BOX 4666
HOUSTON, TEXAS 77210-4666

March 31, 2003

Mr. Randolph Bayliss, P.E.
Hydrologist
Oil Conservation Division
State of New Mexico
1220 Sout St. Francis Drive
Santa Fe NM 87505

Dear Mr. Bayliss;

EOTT Energy, LLC is an Operator of crude oil pipelines and terminal facilities located in the state of New Mexico. EOTT actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and workplans developed in consultation with the New Mexico Oil Conservation Division. Consistent with the rules and regulations of the New Mexico OCD, EOTT hereby submits its annual monitoring reports for the following titled sites:

TNM 98-02	Section 31, Township 19 South, Range 37 East Lea County NM
TNM 97-16	Section 12, Township 24 South, Range 37 East, Lea County NM
Monument 19	Section 32, Township 19 South, Range 37 East, Lea County NM
TNM SPS-11	Section 18, Township 18 South, Range 36 East, Lea County NM
TNM 97-18	Section 28, Township 20 South, Range 37 East, Lea County NM
HDO 90-23	Section 6, Township 20 South, Range 37 East, Lea County NM
Monument 2	Section 06 & 07, Township 20 South, Range 38 East, Lea County NM
Leo (Flap) Sims	Section 27, Township 19 South, Range 37 East, Lea County NM
Monument 11	Section 30, Township 19 South, Range 37 East, Lea County NM
Monument 17	Section 17, Township 19 South, Range 37 East, Lea County NM
TNM 98-05A	Section 26, Township 21 South, Range 37 East, Lea County NM
LF 37	Sections 19 & 20, Township 19 South, Range 37 East, Lea County NM
TNM 97-04	Section 11, Township 16 South, Range 35 East, Lea County NM
LF-59	Section 32, Township 19 South, Range 37 East, Lea County NM
Monument Barber 10" Sour	Section 32, Township 19 South, Range 37 East, Lea County NM

ETGI prepared these documents and has vouched for their accuracy and completeness, and on behalf of EOTT Energy, I have personally reviewed the documents and interviewed ETGI in order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that EOTT Energy submits these Annual Compliance Monitoring Reports for the above 15 facilities.

I look forward to scheduling a meeting with you in the second or third week of March as you schedule allows, which will allow for an opportunity to review and discuss the results of the monitoring. If you have questions in the interim, please contact me at (713) 993-5047.

Sincerely,

Bill Von Drehle
Director Environmental
EOTT ENERGY LLC

Cc: Frank Hernandez

ANNUAL MONITORING REPORT

1R-138

EOTT ENERGY, LLC
TNM 97-16
NE ¼, NW ¼ OF SECTION 12, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

PREPARED FOR:

EOTT ENERGY, LLC
5805 EAST HIGHWAY 80
MIDLAND, TEXAS 79701

PREPARED BY:

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

April 2003

Camille Reynolds
Project Manager

FOR
Chance I. Johnson
New Mexico Regional Manager

TABLE OF CONTENTS

INTRODUCTION

Environmental Technology Group, Inc. (ETGI), on behalf of EOTT Energy, LLC (EOTT), 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 only. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during four monitoring events in calendar year 2002 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 measurable levels of PSH were not sampled.

FIELD ACTIVITIES

The site monitor wells were gauged and sampled on January 28, May 13, August 19, and December 16, 2002. During each sampling event the monitor wells designated to be sampled 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 disposable Teflon samplers. Water samples were stored 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 Pate Trucking, Hobbs, New Mexico or Vista Trucking of Eunice, New Mexico utilizing a licensed disposal facility (NMOCD AO SWD-730).

GROUNDWATER GRADIENT

Locations of the monitor wells and the inferred groundwater gradient, as measured on December 16, 2002, are depicted on Figure 2 and Figure 3, the Groundwater Gradient Map and the NMOCD Site Map. The groundwater elevation data is provided as Table 1. Groundwater elevation contours generated from the final quarterly event of calendar year 2002 water level measurements indicate a general gradient of approximately 0.004 ft/ft to the southeast as measured between groundwater monitor wells MW-1 and MW-2. The depth to groundwater, as measured from the top of the well casing, ranged between 20.08 to 23.53 feet for the shallow alluvial aquifer.

LABORATORY RESULTS

Groundwater samples obtained during the sampling events were delivered to AnalySys Inc., Austin, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method SW 846-8260b. The groundwater chemistry data is provided as Table 2 and the Laboratory Reports are provided as Appendix A.

Laboratory results for all of the site groundwater samples obtained during the calendar year 2002 monitoring period indicated that the benzene and BTEX constituent concentrations were below NMOCD regulatory standards for all monitor wells and the South Windmill location.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 2002. No detectable or measurable amounts of PSH were encountered during the monitoring events conducted during this reporting period.

Groundwater elevation contours generated from the final quarterly event of calendar year 2002 water level measurements indicated a general gradient of approximately 0.004 ft/ft to the southeast as measured between groundwater monitor wells MW-1 and MW-2.

Laboratory results for all of the site groundwater samples, obtained during the calendar year 2002 monitoring period, indicated that the benzene and BTEX constituent concentrations were below NMOCD regulatory standards for all monitor wells and the South Windmill location.

DISTRIBUTION

Copy 1 & 2: William C. Olson/Randy Bayliss
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: Frank Hernandez
EOTT Energy, LLC
P. O. Box 1660
Midland, Texas 79702

Copy 5: Jimmy Bryant
EOTT Energy, LLC
P. O. Box 1660
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Copy 6: Mike Kelly
EOTT Energy, LLC
P. O. Box 4666
Houston, Texas 77210-4666

Copy 7: Bill Vondrehle
EOTT Energy, LLC
P. O. Box 4666
Houston, Texas 77210-4666

Copy 8: Environmental Technology Group, Inc.
4600 West Wall
Midland, Texas 79703

Copy 9: Environmental Technology Group, Inc.
2540 West Marland
Hobbs, New Mexico 88240

Copy Number 2

Quality Control Review

FIGURES

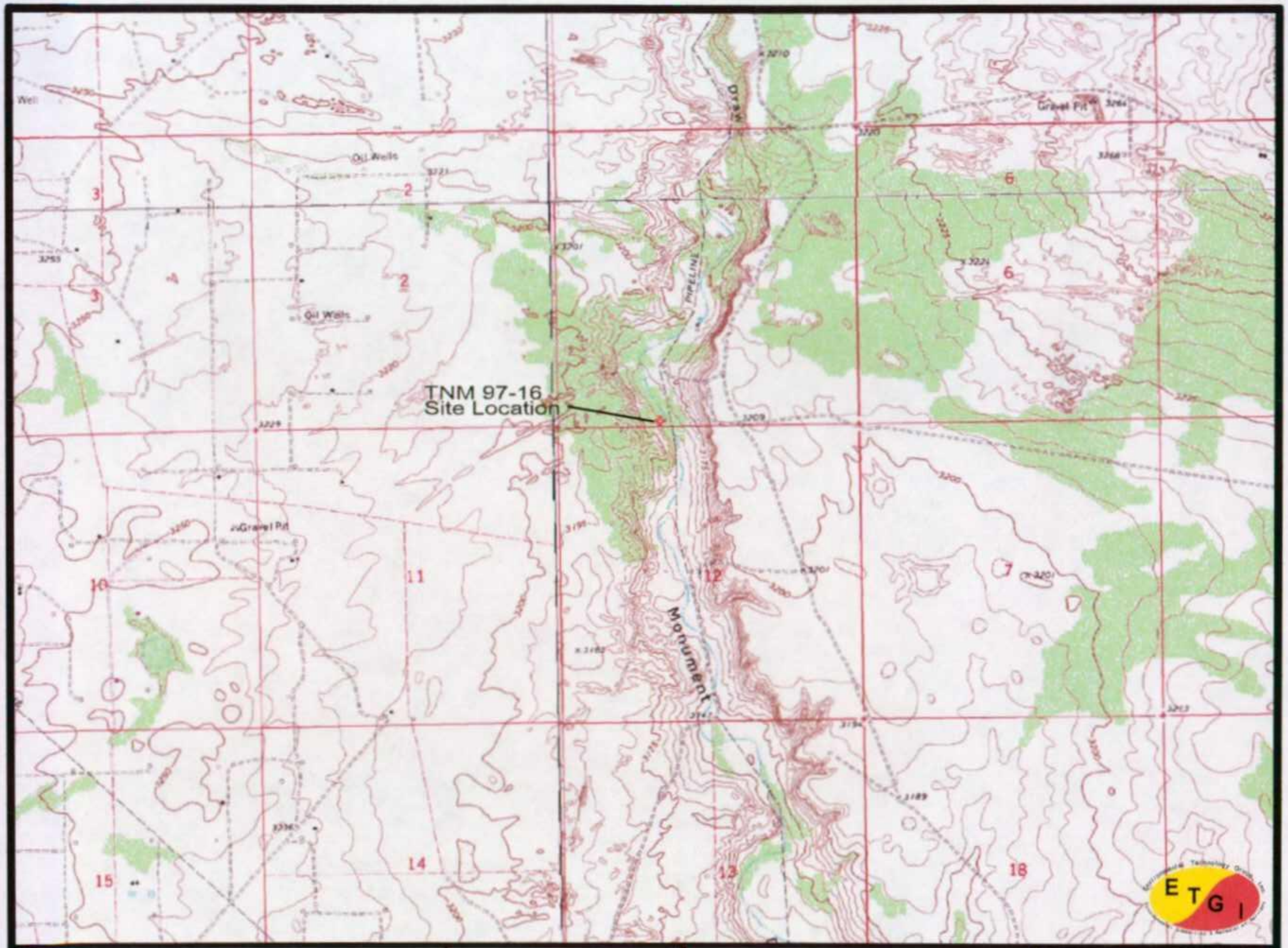


Figure 1
Site Location Map

EOTT Energy Corp.
Becky Doom No. 97-16
LEA Co. NM

Environmental Technology Group, INC.

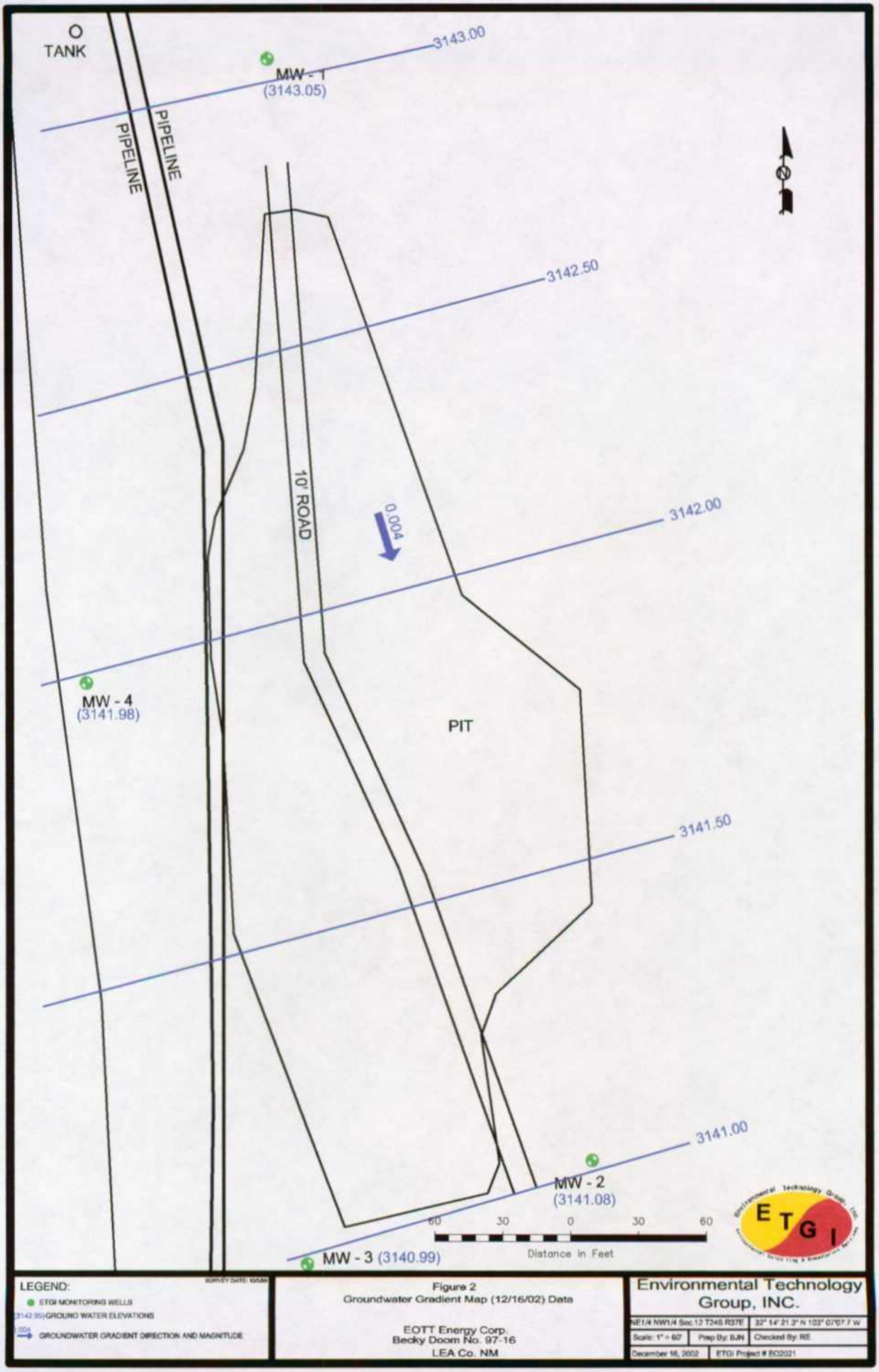
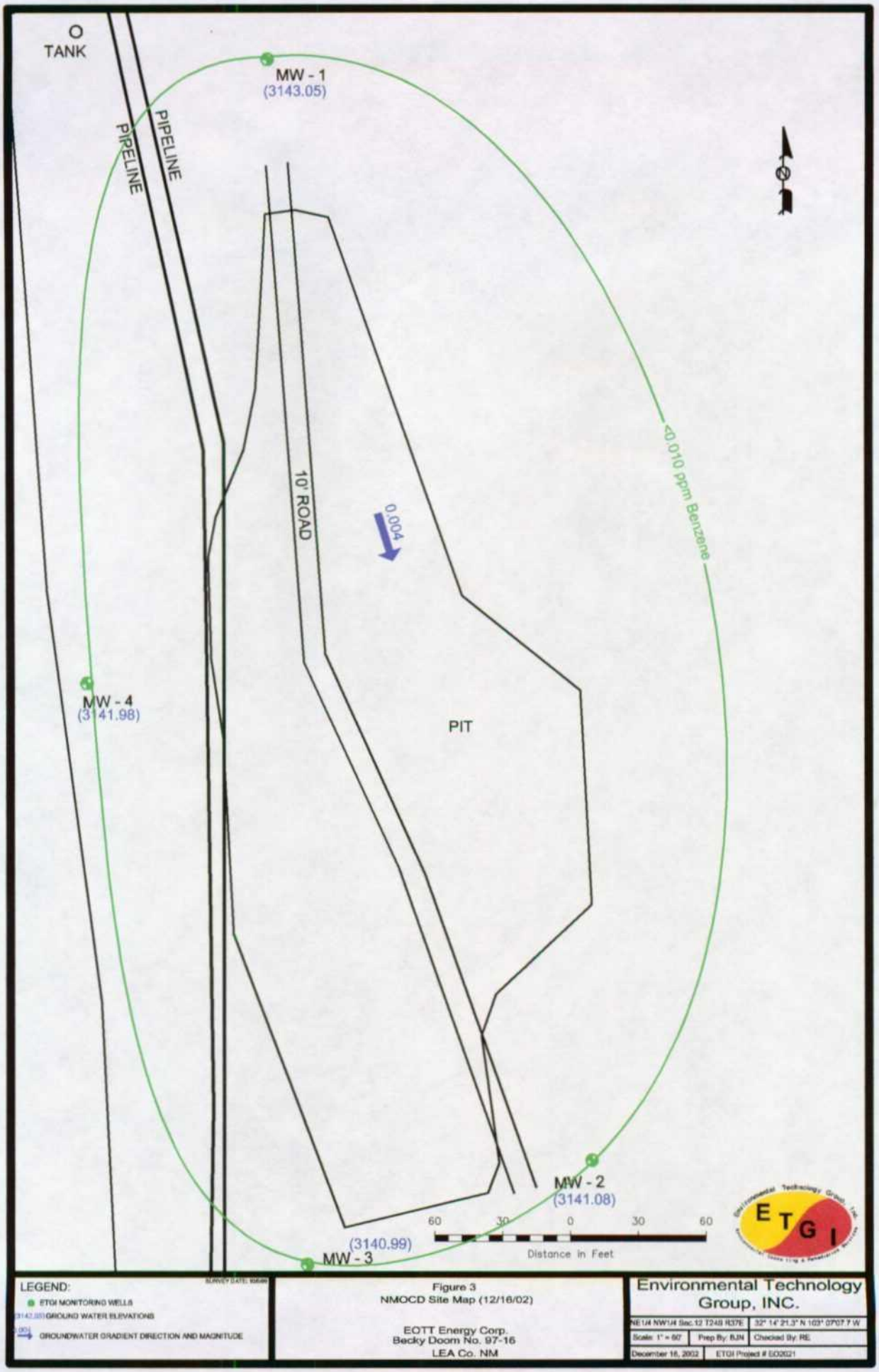


Figure 2
Groundwater Gradient Map (12/16/02) Data

EOTT Energy Corp.
Becky Doorn No. 97-16
LEA Co. NM

Environmental Technology Group, INC.

NE1/4 NW1/4 Sec.12 T24S R37E		32° 14' 21.3" N 103° 07'07.7 W
Scale: 1" = 60'	Prep By: BJN	Checked By: RE
December 16, 2002	ETGI Project # EO2021	


TANK
MW - 1
(3143.05)
PIPELINE
PIPELINE
10' ROAD
0.004
<0.010 ppm Benzene
MW - 4
(3141.98)
PIT
MW - 2
(3141.08)
(3140.99)
MW - 3
60
30
0
30
60
Distance in Feet
LEGEND:
ETGI MONITORING WELLS
(3142.55) GROUND WATER ELEVATIONS
GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE
Figure 3
NMOCD Site Map (12/16/02)
EOTT Energy Corp.
Becky Doom No. 97-16
LEA Co. NM
Environmental Technology Group, INC.
NE1/4 NW1/4 Sec.12 T24S R37E
32° 14' 21.3" N 103° 07'07.7 W
Scale: 1" = 60'
Prep By: BJN
Checked By: RE
December 16, 2002
ETGI Project # EO2021

TABLES

TABLE 1

GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97-16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2021

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	01/21/99	3,163.63	-	20.19	0.00	3,143.44
	04/13/99	3,163.63	-	20.13	0.00	3,143.50
	08/24/99	3,163.63	-	20.33	0.00	3,143.30
	11/04/99	3,163.63	-	20.30	0.00	3,143.33
	01/13/00	3,163.63	-	20.26	0.00	3,143.37
	04/05/00	3,163.63	-	20.06	0.00	3,143.57
	09/05/00	3,163.63	-	20.62	0.00	3,143.01
	11/21/00	3,163.63	-	20.41	0.00	3,143.22
	01/25/01	3,163.63	-	20.25	0.00	3,143.38
	04/03/01	3,163.63	-	20.05	0.00	3,143.58
	09/10/01	3,163.63	-	20.68	0.00	3,142.95
	10/22/01	3,163.63	-	20.68	0.00	3,142.95
	01/28/02	3,163.63	-	20.53	0.00	3,143.10
	05/13/02	3,163.63	-	20.08	0.00	3,143.55
	08/19/02	3,163.63	-	20.75	0.00	3,142.88
	12/16/02	3,163.63	-	20.58	0.00	3,143.05
MW - 2	01/21/99	3,162.32	-	20.95	0.00	3,141.37
	04/13/99	3,162.32	-	20.90	0.00	3,141.42
	08/24/99	3,162.32	-	20.95	0.00	3,141.37
	11/04/99	3,162.32	-	21.00	0.00	3,141.32
	01/13/00	3,162.32	-	21.02	0.00	3,141.30
	04/05/00	3,162.32	-	20.74	0.00	3,141.58
	09/05/00	3,162.32	-	21.24	0.00	3,141.08
	11/21/00	3,162.32	-	21.05	0.00	3,141.27
	01/25/01	3,162.32	-	21.00	0.00	3,141.32
	04/03/01	3,162.32	-	21.02	0.00	3,141.30
	09/10/01	3,162.32	-	21.27	0.00	3,141.05
	10/22/01	3,162.32	-	21.30	0.00	3,141.02
	01/28/02	3,162.32	-	21.25	0.00	3,141.07
	05/13/02	3,162.32	-	20.26	0.00	3,142.06
	08/19/02	3,162.32	-	21.33	0.00	3,140.99
	12/16/02	3,162.32	-	21.24	0.00	3,141.08

TABLE 1

GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97-16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2021

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	01/21/99	3,162.20	-	20.89	0.00	3,141.31
	04/13/99	3,162.20	-	20.81	0.00	3,141.39
	08/24/99	3,162.20	-	20.86	0.00	3,141.34
	11/04/99	3,162.20	-	20.91	0.00	3,141.29
	01/13/00	3,162.20	-	20.93	0.00	3,141.27
	04/05/00	3,162.20	-	20.69	0.00	3,141.51
	09/05/00	3,162.20	-	21.16	0.00	3,141.04
	11/21/00	3,162.20	-	20.98	0.00	3,141.22
	01/25/01	3,162.20	-	20.91	0.00	3,141.29
	04/03/01	3,162.20	-	20.92	0.00	3,141.28
	09/10/01	3,162.20	-	21.20	0.00	3,141.00
	10/22/01	3,162.20	-	21.23	0.00	3,140.97
	01/28/02	3,162.00	-	21.16	0.00	3,140.84
	05/13/02	3,162.20	-	20.45	0.00	3,141.75
	08/19/02	3,162.20	-	21.25	0.00	3,140.95
	12/16/02	3162.20	-	21.21	0.00	3140.99
MW - 4	11/04/99	3,165.40	-	23.13	0.00	3,142.27
	01/13/00	3,165.40	-	23.14	0.00	3,142.26
	04/05/00	3,165.40	-	22.87	0.00	3,142.53
	09/05/00	3,165.40	-	23.44	0.00	3,141.96
	11/21/00	3,165.40	-	23.19	0.00	3,142.21
	01/25/01	3,165.40	-	23.10	0.00	3,142.30
	04/03/01	3,165.40	-	23.10	0.00	3,142.30
	09/10/01	3,165.40	-	23.45	0.00	3,141.95
	10/22/01	3,165.40	-	23.48	0.00	3,141.92
	01/28/02	3,165.40	-	23.32	0.00	3,142.08
	05/13/02	3,165.40	-	22.63	0.00	3,142.77
	08/19/02	3,165.40	-	23.53	0.00	3,141.87
	12/16/02	3,165.40	-	23.42	0.00	3,141.98

TABLE 2

GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
TNM 97 - 16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2021

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	Method: 8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 1	01/21/99	<0.001	<0.001	<0.001	<0.001
	04/13/99	<0.001	<0.001	<0.001	<0.001
	08/24/99	<0.001	<0.001	<0.001	<0.001
	11/04/99	<0.001	<0.001	<0.001	<0.001
	01/13/00	<0.001	<0.001	<0.001	<0.001
	04/05/00	<0.001	<0.001	<0.001	<0.001
	09/05/00	<0.001	<0.001	<0.001	<0.001
	11/21/00	<0.001	<0.001	<0.001	<0.001
	01/25/01	<0.001	<0.001	<0.001	<0.001
	04/03/01	<0.001	<0.001	<0.001	<0.001
	06/28/01	<0.001	<0.001	<0.001	<0.001
	09/10/01	<0.001	<0.001	<0.001	<0.001
	10/22/01	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/13/02	<0.001	<0.001	<0.001	<0.001
	08/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	0.002	<0.001	<0.001	<0.001
MW - 2	01/21/99	0.001	0.001	<0.001	<0.001
	04/13/99	<0.001	<0.001	<0.001	<0.001
	08/24/99	<0.001	<0.001	<0.001	<0.001
	11/04/99	<0.001	<0.001	<0.001	<0.001
	01/13/00	<0.001	<0.001	<0.001	<0.001
	04/05/00	<0.001	<0.001	<0.001	0.002
	09/05/00	<0.001	<0.001	<0.001	<0.001
	11/21/00	<0.001	<0.001	<0.001	<0.001
	01/25/01	<0.001	<0.001	<0.001	<0.001
	04/03/01	<0.001	<0.001	<0.001	<0.001
	06/28/01	<0.001	<0.001	<0.001	<0.001
	09/10/01	<0.001	<0.001	<0.001	<0.001
	10/22/01	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/13/02	<0.001	<0.001	<0.001	<0.001
	08/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001

TABLE 2

GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
TNM 97 - 16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2021

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	Method: 8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 3	01/21/99	<0.001	<0.001	<0.001	<0.001
	04/13/99	<0.001	<0.001	<0.001	<0.001
	08/24/99	<0.001	<0.001	<0.001	0.001
	11/04/99	<0.001	<0.001	<0.001	<0.001
	01/13/00	<0.001	<0.001	<0.001	<0.001
	04/05/00	<0.001	<0.001	<0.001	0.002
	09/05/00	0.003	<0.001	<0.001	<0.001
	11/21/00	0.012	<0.001	<0.001	0.001
	01/25/01	0.029	<0.001	<0.001	0.001
	04/03/01	0.010	<0.001	<0.001	<0.001
	06/28/01	<0.001	<0.001	<0.001	<0.001
	09/10/01	<0.001	<0.001	<0.001	<0.001
	10/22/01	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/13/02	<0.001	<0.001	<0.001	<0.001
	08/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001
MW - 4	11/04/99	<0.001	<0.001	<0.001	<0.001
	01/13/00	<0.001	<0.001	<0.001	<0.001
	04/05/00	0.001	0.001	<0.001	0.001
	09/05/00	<0.001	<0.001	<0.001	<0.001
	11/21/00	<0.001	<0.001	<0.001	<0.001
	01/25/01	<0.001	<0.001	<0.001	<0.001
	04/03/01	<0.001	<0.001	<0.001	<0.001
	06/28/01	<0.001	<0.001	<0.001	<0.001
	09/10/01	<0.001	<0.001	<0.001	<0.001
	10/22/01	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/13/02	<0.001	<0.001	<0.001	<0.001
	08/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	0.002	<0.001	<0.001	<0.001
S. WINDMILL	06/21/01	<0.001	<0.001	<0.001	<0.001
	09/10/01	<0.001	<0.001	<0.001	<0.001
	10/22/01	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/13/02	<0.001	<0.001	<0.001	<0.001
	08/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001

TABLE 2

GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
TNM 97 - 16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2021

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	Method: 8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
EB - 1	09/05/00	<0.001	<0.001	<0.001	<0.001
	01/25/01	<0.001	<0.001	<0.001	<0.001
	04/03/01	<0.001	<0.001	<0.001	<0.001
	06/28/01	<0.001	<0.001	<0.001	<0.001
	09/10/01	<0.001	<0.001	<0.001	<0.001
	10/22/01	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/13/02	<0.001	<0.001	<0.001	<0.001
	08/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001

Appendix A

Laboratory Reports

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

FILE

Client: Environmental Tech Group
Attn: Chance Johnson
Address: 4600 West Wall
Midland Tx 79703

Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 125216 **Report Date:** 02/06/02
Project ID: TNM 97-16 EOT 2021C
Sample Name: MW 1
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:12
Date Sampled: 01/28/2002 **Time:** 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/01/02	8260b	---	7.9	87.3	93.1	87.9
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.3	96.9	100.4	100.4
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.1	96.4	100	98.2
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	0.2	96.9	101.2	99.6
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	8.6	94.2	96.9	97.1

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.

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.

ANALYSIS INC.

4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Chance Johnson	**Project ID:** TNM 97-16 EOT 2021C **Sample Name:** MW 1	**Report#/Lab ID#:** 125216 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.4	80-120	---
Toluene-d8	8260b	105	88-110	---

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

ANALYSYS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Chance Johnson
Address: 4600 West Wall
Midland Tx 79703

Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 125217 **Report Date:** 02/06/02
Project ID: TNM 97-16 EOT 2021C
Sample Name: MW 2
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:12
Date Sampled: 01/28/2002 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/01/02	8260b	J	7.9	87.3	93.1	87.9
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.3	96.9	100.4	100.4
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.1	96.4	100	98.2
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	0.2	96.9	101.2	99.6
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	8.6	94.2	96.9	97.1

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4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Chance Johnson	**Project ID:** TNM 97-16 EOT 2021C **Sample Name:** MW 2	**Report#/Lab ID#:** 125217 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.4	80-120	---
Toluene-d8	8260b	105	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125217 **Matrix:** water
Client: Environmental Tech Group **Attn:** Chance Johnson
Project ID: TNM 97-16 EOT 2021C
Sample Name: MW 2

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes: _____

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Chance Johnson
Address: 4600 West Wall
Midland Tx 79703

Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 125218 **Report Date:** 02/06/02
Project ID: TNM 97-16 EOT 2021C
Sample Name: MW 3
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:12
Date Sampled: 01/28/2002 **Time:** 11:19

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/01/02	8260b	---	7.9	87.3	93.1	87.9
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.3	96.9	100.4	100.4
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.1	96.4	100	98.2
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	0.2	96.9	101.2	99.6
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	8.6	94.2	96.9	97.1

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Respectfully Submitted,

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Chance Johnson	**Project ID:** TNM 97-16 EOT 2021C **Sample Name:** MW 3	**Report#/Lab ID#:** 125218 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.9	80-120	---
Toluene-d8	8260b	105	88-110	---

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

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
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Client: Environmental Tech Group
Attn: Chance Johnson
Address: 4600 West Wall
Midland Tx 79703

Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 125219 **Report Date:** 02/06/02
Project ID: TNM 97-16 EOT 2021C
Sample Name: MW 4
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:12
Date Sampled: 01/28/2002 **Time:** 11:41

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/01/02	8260b	J	7.9	87.3	93.1	87.9
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.3	96.9	100.4	100.4
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.1	96.4	100	98.2
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	0.2	96.9	101.2	99.6
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	8.6	94.2	96.9	97.1

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Client: Environmental Tech Group
Attn: Chance Johnson

Project ID: TNM 97-16 EOT 2021C
Sample Name: MW 4

Report#/Lab ID#: 125219
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.8	80-120	---
Toluene-d8	8260b	106	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125219 **Matrix:** water
Client: Environmental Tech Group **Attn:** Chance Johnson
Project ID: TNM 97-16 EOT 2021C
Sample Name: MW 4

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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Comments pertaining to Data Qualifiers and QC data:

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Benzene	J	See J-flag discussion above.

Notes:

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Client: Environmental Tech Group
Attn: Chance Johnson
Address: 4600 West Wall
Midland Tx 79703

Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 125220 **Report Date:** 02/06/02
Project ID: TNM 97-16 EOT 2021C
Sample Name: South Windmill
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:12
Date Sampled: 01/28/2002 **Time:** 10:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/01/02	8260b	---	7.9	87.3	93.1	87.9
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.3	96.9	100.4	100.4
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.1	96.4	100	98.2
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	0.2	96.9	101.2	99.6
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	8.6	94.2	96.9	97.1

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Chance Johnson	**Project ID:** TNM 97-16 EOT 2021C **Sample Name:** South Windmill	**Report#/Lab ID#:** 125220 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90	80-120	---
Toluene-d8	8260b	103	88-110	---

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

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Attn: Chance Johnson
Address: 4600 West Wall
Midland Tx 79703

Phone: 915 522-1139 **FAX:** 915 520-4310

Report#/Lab ID#: 125221 **Report Date:** 02/06/02
Project ID: TNM 97-16 EOT 2021C
Sample Name: EB 1
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:12
Date Sampled: 01/28/2002 **Time:** 12:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/01/02	8260b	---	7.9	87.3	93.1	87.9
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.3	96.9	100.4	100.4
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.1	96.4	100	98.2
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	0.2	96.9	101.2	99.6
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	8.6	94.2	96.9	97.1

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.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Chance Johnson	**Project ID:** TNM 97-16 EOT 2021C **Sample Name:** EB 1	**Report#/Lab ID#:** 125221 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.6	80-120	---
Toluene-d8	8260b	106	88-110	---

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

COC # 070 1482

CHAIN-OF-CUSTODY

ANALYSYS INC.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
Phone: (512) 444-5896
Fax: (512) 447-4766

Send Reports To:
Company Name E.T.G.I.
Address 4600 WEST WALL
City MIDLAND State TX Zip 79703
ATTN: CHANCE JOHNSON
Phone (915) 522 1139 Fax (915) 520-4310

Bill to (if different):
Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: TNM 97-16 Sampler: Simon Casas
EOT 2021C

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)	BTEX 8021B	Comments
MW 1	1-28-02	1200	2		X		125216	X	
MW 2		1100					125217		
MW 3		1119					125218		
MW 4		1141					125219		
SOUTH WINDMILL		1045					125220		
EB 1		1215					125221		

(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.

Temp. 0.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas	ETGI	1/30/02	1200	E. Lott	ASI	2-1-02	10:12

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

FILE

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 129460 **Report Date:** 05/20/02
Project ID: TNM 97-16 EOT 2021
Sample Name: MW 1
Sample Matrix: water
Date Received: 05/15/2002 **Time:** 09:20
Date Sampled: 05/13/2002 **Time:** 15:10

REPORT OF ANALYSIS **QUALITY ASSURANCE DATA[1]**

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/16/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/16/02	8260b	---	8.9	99.2	108.9	91.5
Ethylbenzene	<1	µg/L	1	<1	05/16/02	8260b	---	3.6	101.8	105.2	103
m,p-Xylenes	<1	µg/L	1	<1	05/16/02	8260b	---	3.3	102.2	106.9	101.7
o-Xylene	<1	µg/L	1	<1	05/16/02	8260b	---	3	101.9	102.3	103.3
Toluene	<1	µg/L	1	<1	05/16/02	8260b	---	8.5	105.8	107.5	98.1

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.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EOT 2021 **Sample Name:** MW I	**Report#/Lab ID#:** 129460 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

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

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

ANALYSYS Inc.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 129461 **Report Date:** 05/20/02
Project ID: TNM 97-16 EOT 2021
Sample Name: MW 2
Sample Matrix: water
Date Received: 05/15/2002 **Time:** 09:20
Date Sampled: 05/13/2002 **Time:** 14:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/16/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/16/02	8260b	---	8.9	99.2	108.9	91.5
Ethylbenzene	<1	µg/L	1	<1	05/16/02	8260b	---	3.6	101.8	105.2	103
m,p-Xylenes	<1	µg/L	1	<1	05/16/02	8260b	---	3.3	102.2	106.9	101.7
o-Xylene	<1	µg/L	1	<1	05/16/02	8260b	---	3	101.9	102.3	103.3
Toluene	<1	µg/L	1	<1	05/16/02	8260b	---	8.5	105.8	107.5	98.1

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Respectfully Submitted,

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4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EOT 2021 **Sample Name:** MW 2	**Report#/Lab ID#:** 129461 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	---
Toluene-d8	8260b	100	88-110	---

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

ANALYSYS Inc.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 129462 **Report Date:** 05/20/02
Project ID: TNM 97-16 EOT 2021
Sample Name: MW 3
Sample Matrix: water
Date Received: 05/15/2002 **Time:** 09:20
Date Sampled: 05/13/2002 **Time:** 14:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/16/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/16/02	8260b	---	8.9	99.2	108.9	91.5
Ethylbenzene	<1	µg/L	1	<1	05/16/02	8260b	---	3.6	101.8	105.2	103
m,p-Xylenes	<1	µg/L	1	<1	05/16/02	8260b	---	3.3	102.2	106.9	101.7
o-Xylene	<1	µg/L	1	<1	05/16/02	8260b	---	3	101.9	102.3	103.3
Toluene	<1	µg/L	1	<1	05/16/02	8260b	---	8.5	105.8	107.5	98.1

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EOT 2021 **Sample Name:** MW 3	**Report#/Lab ID#:** 129462 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.5	80-120	---
Toluene-d8	8260b	100	88-110	---

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

ANALYSYS INC.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 129463 **Report Date:** 05/20/02
Project ID: TNM 97-16 EOT 2021
Sample Name: MW 4
Sample Matrix: water
Date Received: 05/15/2002 **Time:** 09:20
Date Sampled: 05/13/2002 **Time:** 14:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/16/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/16/02	8260b	---	8.9	99.2	108.9	91.5
Ethylbenzene	<1	µg/L	1	<1	05/16/02	8260b	---	3.6	101.8	105.2	103
m,p-Xylenes	<1	µg/L	1	<1	05/16/02	8260b	---	3.3	102.2	106.9	101.7
o-Xylene	<1	µg/L	1	<1	05/16/02	8260b	---	3	101.9	102.3	103.3
Toluene	<1	µg/L	1	<1	05/16/02	8260b	---	8.5	105.8	107.5	98.1

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Richard Laster

Richard Laster

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4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EOT 2021 **Sample Name:** MW 4	**Report#/Lab ID#:** 129463 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	---
Toluene-d8	8260b	99.8	88-110	---

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

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 129464 **Report Date:** 05/20/02
Project ID: TNM 97-16 EOT 2021
Sample Name: South Wind Mill
Sample Matrix: water
Date Received: 05/15/2002 **Time:** 09:20
Date Sampled: 05/13/2002 **Time:** 13:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/17/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/17/02	8260b	---	8.9	99.2	108.9	91.5
Ethylbenzene	<1	µg/L	1	<1	05/17/02	8260b	---	3.6	101.8	105.2	103
m,p-Xylenes	<1	µg/L	1	<1	05/17/02	8260b	---	3.3	102.2	106.9	101.7
o-Xylene	<1	µg/L	1	<1	05/17/02	8260b	---	3	101.9	102.3	103.3
Toluene	<1	µg/L	1	<1	05/17/02	8260b	---	8.5	105.8	107.5	98.1

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.

Respectfully Submitted,

Richard Laster

Richard Laster

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4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EOT 2021 **Sample Name:** South Wind Mill	**Report#/Lab ID#:** 129464 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99	80-120	---
Toluene-d8	8260b	100	88-110	---

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

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 129465 **Report Date:** 05/20/02
Project ID: TNM 97-16 EOT 2021
Sample Name: EB 1
Sample Matrix: water
Date Received: 05/15/2002 **Time:** 09:20
Date Sampled: 05/13/2002 **Time:** 15:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/16/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/16/02	8260b	---	8.9	99.2	108.9	91.5
Ethylbenzene	<1	µg/L	1	<1	05/16/02	8260b	---	3.6	101.8	105.2	103
m,p-Xylenes	<1	µg/L	1	<1	05/16/02	8260b	---	3.3	102.2	106.9	101.7
o-Xylene	<1	µg/L	1	<1	05/16/02	8260b	---	3	101.9	102.3	103.3
Toluene	<1	µg/L	1	<1	05/16/02	8260b	---	8.5	105.8	107.5	98.1

Respectfully Submitted,

Richard Laster

Richard Laster

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4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EOT 2021 **Sample Name:** EB 1	**Report#/Lab ID#:** 129465 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.6	80-120	---
Toluene-d8	8260b	100	88-110	---

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

COC: Ø67

2,4(?)

CHAIN-OF-CUSTODY

AnalySys Inc.

4221 Freidrich Lane, Suite 190, Austin, TX 78744
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Fax: (512) 447-4766

Send Reports To:
Company Name ETGI
Address 2540 W MARLAND
City HOBBS State NM Zip 88240
ATTN: KEN DUTTON
Phone (505) 397-4882 Fax (505) 397-4701

Bill to (if different):
Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: TNM 97-16 / EOT 2021 Sampler: Simon Casas

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021B								Comments
MW 1	5-13-02	1510	2		X		129460	X								
MW 2	↓	1425	↓		↓		129461	↓								
MW 3	↓	1400	↓		↓		129462	↓								
MW 4	↓	1450	↓		↓		129463	↓								
SOUTH WIND MILL	↓	1350	↓		↓		129464	↓								
EB 1	↓	1530	↓		↓		129465	↓								

Analyses Requested (1) Please attach explanatory information as required

(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 ... 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 ... ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

TEMP: 0.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas	E.T.G.I.	5/14/02	1600	Melanie Humphrey	ASI	5/15/02	09:20

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

ANALYSYS INC.

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

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 132986 **Report Date:** 08/29/02
Project ID: TNM 97-16 EO 2021C
Sample Name: MW 1
Sample Matrix: water
Date Received: 08/23/2002 **Time:** 09:45
Date Sampled: 08/19/2002 **Time:** 13:52

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/28/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/28/02	8260b	---	9.4	82.8	94.4	86
Ethylbenzene	<1	µg/L	1	<1	08/28/02	8260b	---	4.5	103.2	99.3	105.4
m,p-Xylenes	<1	µg/L	1	<1	08/28/02	8260b	---	1.5	106.3	95.8	104.2
o-Xylene	<1	µg/L	1	<1	08/28/02	8260b	---	3.1	112.6	99.4	108.2
Toluene	<1	µg/L	1	<1	08/28/02	8260b	---	6.1	95.5	98.6	100.7

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.

Respectfully Submitted,

Richard Laster

Richard Laster

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

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EO 2021C **Sample Name:** MW 1	**Report#/Lab ID#:** 132986 **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	107	88-110	---

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

AnalySys Inc.

3512 Montopolis Dr., Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 132987 **Report Date:** 08/29/02
Project ID: TNM 97-16 EO 2021C
Sample Name: MW 2
Sample Matrix: water
Date Received: 08/23/2002 **Time:** 09:45
Date Sampled: 08/19/2002 **Time:** 12:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/28/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/28/02	8260b	---	9.4	82.8	94.4	86
Ethylbenzene	<1	µg/L	1	<1	08/28/02	8260b	---	4.5	103.2	99.3	105.4
m,p-Xylenes	<1	µg/L	1	<1	08/28/02	8260b	---	1.5	106.3	95.8	104.2
o-Xylene	<1	µg/L	1	<1	08/28/02	8260b	---	3.1	112.6	99.4	108.2
Toluene	<1	µg/L	1	<1	08/28/02	8260b	---	6.1	95.5	98.6	100.7

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ANALYSYS INC.

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

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EO 2021C **Sample Name:** MW 2	**Report#/Lab ID#:** 132987 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	116	80-120	---
Toluene-d8	8260b	106	88-110	---

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

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 132988 **Report Date:** 08/29/02
Project ID: TNM 97-16 EO 2021C
Sample Name: MW 3
Sample Matrix: water
Date Received: 08/23/2002 **Time:** 09:45
Date Sampled: 08/19/2002 **Time:** 13:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/28/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/28/02	8260b	---	9.4	82.8	94.4	86
Ethylbenzene	<1	µg/L	1	<1	08/28/02	8260b	---	4.5	103.2	99.3	105.4
m,p-Xylenes	<1	µg/L	1	<1	08/28/02	8260b	---	1.5	106.3	95.8	104.2
o-Xylene	<1	µg/L	1	<1	08/28/02	8260b	---	3.1	112.6	99.4	108.2
Toluene	<1	µg/L	1	<1	08/28/02	8260b	---	6.1	95.5	98.6	100.7

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EO 2021C **Sample Name:** MW 3	**Report#/Lab ID#:** 132988 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	117	80-120	---
Toluene-d8	8260b	107	88-110	---

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

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 132989 **Report Date:** 08/29/02
Project ID: TNM 97-16 EO 2021C
Sample Name: MW 4
Sample Matrix: water
Date Received: 08/23/2002 **Time:** 09:45
Date Sampled: 08/19/2002 **Time:** 13:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/29/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/29/02	8260b	---	4.5	83.5	96.1	79.6
Ethylbenzene	<1	µg/L	1	<1	08/29/02	8260b	---	0.3	106.2	103.9	110.9
m,p-Xylenes	<1	µg/L	1	<1	08/29/02	8260b	---	5.3	102.1	105.7	119.2
o-Xylene	<1	µg/L	1	<1	08/29/02	8260b	---	7.9	104.2	110	124.1
Toluene	<1	µg/L	1	<1	08/29/02	8260b	---	0.7	95.8	102.5	95.5

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EO 2021C **Sample Name:** MW 4	**Report#/Lab ID#:** 132989 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	112	80-120	---
Toluene-d8	8260b	108	88-110	---

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

ANALYSYS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 132990 **Report Date:** 08/29/02
Project ID: TNM 97-16 EO 2021C
Sample Name: South Windmill
Sample Matrix: water
Date Received: 08/23/2002 **Time:** 09:45
Date Sampled: 08/19/2002 **Time:** 12:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/29/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/29/02	8260b	---	4.5	83.5	96.1	79.6
Ethylbenzene	<1	µg/L	1	<1	08/29/02	8260b	---	0.3	106.2	103.9	110.9
m,p-Xylenes	<1	µg/L	1	<1	08/29/02	8260b	---	5.3	102.1	105.7	119.2
o-Xylene	<1	µg/L	1	<1	08/29/02	8260b	---	7.9	104.2	110	124.1
Toluene	<1	µg/L	1	<1	08/29/02	8260b	---	0.7	95.8	102.5	95.5

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EO 2021C **Sample Name:** South Windmill	**Report#/Lab ID#:** 132990 **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	108	88-110	---

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

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 132991 **Report Date:** 08/29/02
Project ID: TNM 97-16 EO 2021C
Sample Name: EB 1
Sample Matrix: water
Date Received: 08/23/2002 **Time:** 09:45
Date Sampled: 08/19/2002 **Time:** 14:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/29/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/29/02	8260b	---	4.5	83.5	96.1	79.6
Ethylbenzene	<1	µg/L	1	<1	08/29/02	8260b	---	0.3	106.2	103.9	110.9
m,p-Xylenes	<1	µg/L	1	<1	08/29/02	8260b	---	5.3	102.1	105.7	119.2
o-Xylene	<1	µg/L	1	<1	08/29/02	8260b	---	7.9	104.2	110	124.1
Toluene	<1	µg/L	1	<1	08/29/02	8260b	---	0.7	95.8	102.5	95.5

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-16 EO 2021C **Sample Name:** EB 1	**Report#/Lab ID#:** 132991 **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	108	88-110	---

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

3545

COC: 138 Page of

Environmental Technology Group, Inc.
Environmental Consulting & Remediation Services

For Use On **EOTT ENERGY CORP.** Project Only

4600 West Wall
Midland, TX 79703
Tel (915) 522-1139
Fax (915) 520-4310

2540 West Marland
Hobbs, NM 88242
Tel (505) 397-4882
Fax (505) 397-4701

EOTT ENERGY CORP.
5805 East Business 20
Midland, TX 79702
Tel (915) 687-3400
Fax (915) 562-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
(Circle or Specify Method No.)

Project Manager: KEN DUTTON

Project Name: JNM 97-16

Project Number: E02821C

Project Location: LEA COUNTY NM

Sampler Signature: Lemon Lopez

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1/TX 1005	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
132986	MW 1	2	V	X				X			X		8/19	1352	X											
132987	MW 2													1245												
132988	MW 3													1305												
132989	MW 4													1330												
132990	SOUTH WINDMILL													1215												
132991	EB 1													1410												

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8/20/02	1200	[signature]	8-20-02	12:00
Relinquished by:	Date:	Time:	Received at Lab by:	Date:	Time:
[signature]	8-20-02	1200	ASL Melanie Humphries	8/21/02	0945

REMARKS:

Temp: 2.7 C

FILE

ANALYSYS INC

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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 137510 **Report Date:** 12/26/02
Project ID: TNM 97-16 EO 2021
Sample Name: MW 1
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 11:27

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/20/02	8260b	---	---	---	---	---
Benzene	**2.16**	µg/L	1	<1	12/20/02	8260b	---	7.9	88.5	86.6	80.3
Ethylbenzene	<1	µg/L	1	<1	12/20/02	8260b	J	3.7	111.2	111.2	105.4
m,p-Xylenes	<1	µg/L	1	<1	12/20/02	8260b	---	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/20/02	8260b	---	4.6	112.2	110.7	105.4
Toluene	<1	µg/L	1	<1	12/20/02	8260b	J	12.9	101	90.1	88.7

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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:** Camille Reynolds	**Project ID:** TNM 97-16 EO 2021 **Sample Name:** MW 1	**Report#/Lab ID#:** 137510 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	81.8	80-120	---
Toluene-d8	8260b	99.4	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 137510 **Matrix:** water
Client: Environmental Tech Group **Attn:** Camille Reynolds
Project ID: TNM 97-16 EO 2021
Sample Name: MW 1

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes: _____

ANALYSYS INC

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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 137511 **Report Date:** 12/26/02
Project ID: TNM 97-16 EO 2021
Sample Name: MW 2
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 11:47

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/20/02	8260b	---	7.9	88.5	86.6	80.3
Ethylbenzene	<1	µg/L	1	<1	12/20/02	8260b	---	3.7	111.2	111.2	105.4
m,p-Xylenes	<1	µg/L	1	<1	12/20/02	8260b	---	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/20/02	8260b	---	4.6	112.2	110.7	105.4
Toluene	<1	µg/L	1	<1	12/20/02	8260b	---	12.9	101	90.1	88.7

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.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC
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:** Camille Reynolds	**Project ID:** TNM 97-16 EO 2021 **Sample Name:** MW 2	**Report#/Lab ID#:** 137511 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	80	80-120	---
Toluene-d8	8260b	95.8	88-110	---

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

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 137512 **Report Date:** 12/26/02
Project ID: TNM 97-16 EO 2021
Sample Name: MW 3
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 12:06

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/20/02	8260b	J	7.9	88.5	86.6	80.3
Ethylbenzene	<1	µg/L	1	<1	12/20/02	8260b	---	3.7	111.2	111.2	105.4
m,p-Xylenes	<1	µg/L	1	<1	12/20/02	8260b	---	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/20/02	8260b	---	4.6	112.2	110.7	105.4
Toluene	<1	µg/L	1	<1	12/20/02	8260b	---	12.9	101	90.1	88.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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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:** Camille Reynolds	**Project ID:** TNM 97-16 EO 2021 **Sample Name:** MW 3	**Report#/Lab ID#:** 137512 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86.6	80-120	---
Toluene-d8	8260b	97.1	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 137512 **Matrix:** water
Client: Environmental Tech Group **Attn:** Camille Reynolds
Project ID: TNM 97-16 EO 2021
Sample Name: *MW 3*

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 137513 **Report Date:** 12/26/02
Project ID: TNM 97-16 EO 2021
Sample Name: MW 4
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 12:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/20/02	8260b	---	---	---	---	---
Benzene	2.4	µg/L	1	<1	12/20/02	8260b	---	7.9	88.5	86.6	80.3
Ethylbenzene	<1	µg/L	1	<1	12/20/02	8260b	J	3.7	111.2	111.2	105.4
m,p-Xylenes	<1	µg/L	1	<1	12/20/02	8260b	J	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/20/02	8260b	---	4.6	112.2	110.7	105.4
Toluene	<1	µg/L	1	<1	12/20/02	8260b	J	12.9	101	90.1	88.7

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.

Respectfully Submitted,

Richard Laster

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ANALYSIS INC.
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:** Camille Reynolds	**Project ID:** TNM 97-16 EO 2021 **Sample Name:** MW 4	**Report#/Lab ID#:** 137513 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.5	80-120	---
Toluene-d8	8260b	97.2	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 137513 **Matrix:** water
Client: Environmental Tech Group **Attn:** Camille Reynolds
Project ID: TNM 97-16 EO 2021
Sample Name: MW 4

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.
m,p Xylenes	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:

ANALYSYS INC

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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 137514 **Report Date:** 12/26/02
Project ID: TNM 97-16 EO 2021
Sample Name: S Windmill
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 11:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/20/02	8260b	---	7.9	88.5	86.6	80.3
Ethylbenzene	<1	µg/L	1	<1	12/20/02	8260b	---	3.7	111.2	111.2	105.4
m,p-Xylenes	<1	µg/L	1	<1	12/20/02	8260b	---	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/20/02	8260b	---	4.6	112.2	110.7	105.4
Toluene	<1	µg/L	1	<1	12/20/02	8260b	---	12.9	101	90.1	88.7

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Respectfully Submitted,

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Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** TNM 97-16 EO 2021 **Sample Name:** S Windmill	**Report#/Lab ID#:** 137514 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.4	80-120	---
Toluene-d8	8260b	97.8	88-110	---

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

ANALYSYS INC

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: Camille Reynolds
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 137515 **Report Date:** 12/26/02
Project ID: TNM 97-16 EO 2021
Sample Name: EB 1
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 12:31

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/19/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/19/02	8260b	---	7.9	88.5	86.6	80.3
Ethylbenzene	<1	µg/L	1	<1	12/19/02	8260b	---	3.7	111.2	111.2	105.4
m,p-Xylenes	<1	µg/L	1	<1	12/19/02	8260b	---	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/19/02	8260b	---	4.6	112.2	110.7	105.4
Toluene	<1	µg/L	1	<1	12/19/02	8260b	---	12.9	101	90.1	88.7

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** TNM 97-16 EO 2021 **Sample Name:** EB 1	**Report#/Lab ID#:** 137515 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	84.3	80-120	---
Toluene-d8	8260b	102	88-110	---

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

CHAIN-OF-CUSTODY

AnalySys Inc. 4457

4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5896

Send Reports To:
Company Name E. T. G. I.
Address [illegible] W Marland
City Hobbs State NM Zip 88240
ATTN: Camille Reynolds
Phone [illegible] Fax 505-397-4701

Bill to (if different): COC: 212
Company Name
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: Twin 17-16 EO 2311 Sampler: Marcelo Campos

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)	BTEX 8020	Comments
MW 1	12/16/02	1127	2		X		137510	X	
MW 2	↓	1147	↓		↓		137511	↓	
MW 3	↓	1206	↓		↓		137512	↓	
MW 4	↓	1225	↓		↓		137513	↓	
[illegible]	↓	1115	↓		↓		137514	↓	
[illegible]	↓	1231	↓		↓		137515	↓	

(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.

Temp: 4.1°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Marcelo Campos	E. T. G. I.	12/17/02	0830	Melanie Humphrey	ASI	12/18/02	14:30

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

• Pk 11/5

ANNUAL MONITORING REPORT

EOTT PIPELINE COMPANY
TNM 97-16
LEA COUNTY, NEW MEXICO

1R 138

RECEIVED
MAY 0 9 2001
ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

PREPARED FOR:

EOTT PIPELINE COMPANY
5805 EAST HIGHWAY 80
MIDLAND, TEXAS 79701

PREPARED BY:

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

April 2001

TABLE OF CONTENTS

INTRODUCTION

Environmental Technology Group, Inc. (ETGI), on behalf of EOTT Energy Corp. (EOTT), prepared this annual report in compliance with the New Mexico Oil Conservation Division (OCD) letter of May 1998, requiring submittal of an annual report by April 1 of each year. The report presents the results of the quarterly ground water monitoring events only. For reference, the Site Location Map is provided as Figure 1.

Ground water monitoring was conducted during four quarterly events in calendar year 2000 to assess the levels and extent of dissolved phase constituents. The ground water monitoring events consisted of measuring static water levels in the monitoring wells, and purging and sampling of each well exhibiting sufficient recharge.

FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on January 13, April 5, September 5, and November 21, 2000. During each sampling event, the monitoring wells, designated to be sampled, were purged of approximately 3 well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Ground water was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were stored 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 Pate Trucking, Hobbs, New Mexico, utilizing a licensed disposal facility (OCD AO SWD-730).

GROUND WATER GRADIENT

Locations of the monitoring wells and the inferred ground water gradient, as measured on November 21, 2000, are depicted on Figure 2, the Site Ground Water Gradient Map. The ground water elevation data are provided as Table 1. Ground water elevation contours, generated from the final quarterly event of calendar year 2000 water level measurements, indicated a general gradient of approximately 0.004 ft/ft to the southeast as measured between ground water monitoring wells MW-1 and MW-2. The depth to ground water, as measured from the top of the well casing, ranged between 20.06 to 23.44 feet for the shallow alluvial aquifer.

LABORATORY RESULTS

Ground water samples collected during the quarterly sampling events were hand delivered to Environmental Laboratory of Texas, Midland, Texas for determination of benzene, toluene, ethyl benzene and total xylenes (BTEX) concentrations by EPA Method SW846-8021B. The ground water chemistry data are provided as Table 2 and the Laboratory Reports are provided as Appendix A.

Laboratory results for all of the site ground water samples, obtained during the calendar year 2000 monitoring period, indicated that Benzene and BTEX concentrations were at or below method detection limits for monitoring wells MW-1 and MW-4. The Benzene and BTEX

concentrations in the ground water samples collected from monitoring well MW-2 were below regulatory standards. The Benzene concentrations were above regulatory standards in the ground water samples collected from monitoring well MW-3, while the BTEX concentrations were below regulatory standards.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 2000. Ground water elevation contours, generated from the final quarterly event of calendar year 2000 water level measurements, indicated a general gradient of approximately 0.004 ft/ft to the southeast as measured between ground water monitoring wells MW-1 and MW-2.

Laboratory results for all of the site ground water samples, obtained during the calendar year 2000 monitoring period, indicated that Benzene and BTEX concentrations were at or below method detection limits for monitoring wells MW-1 and MW-4. The Benzene and BTEX concentrations in the ground water samples collected from monitoring well MW-2 were below regulatory standards. The Benzene concentrations were above regulatory standards in the ground water samples collected from monitoring well MW-3, while the BTEX concentrations were below regulatory standards.

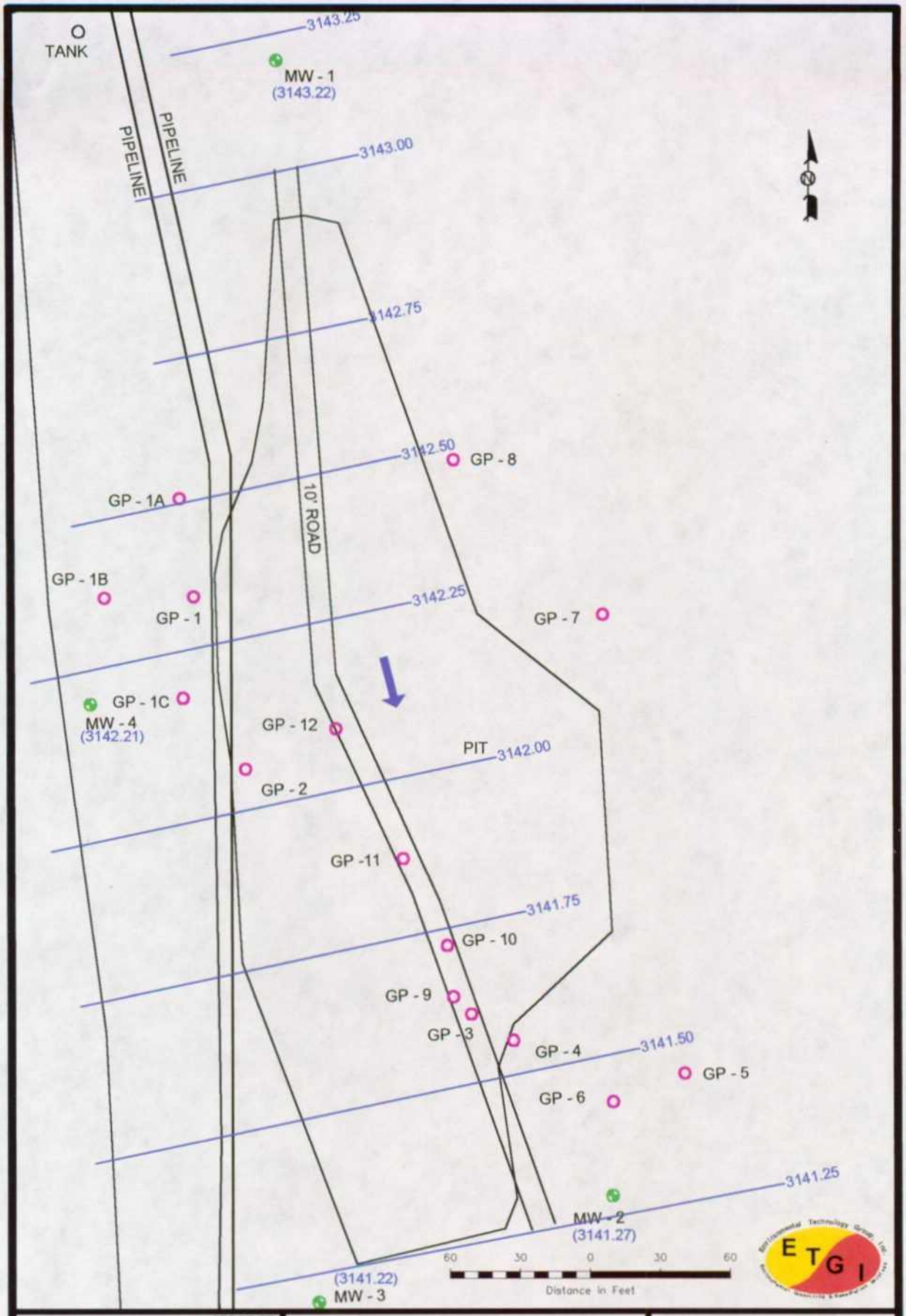
FIGURES

Figure 1
Site Location Map

EOTT Energy Corp.
Becky Doom No. 97-16
Jal, NM

Environmental Technology Group, INC.

No Scale	Prep By: JDJ	Checked By: KM
August 29, 2000	ETGI Project # EOT 2021C	


TANK
MW - 1
(3143.22)
3143.25
3143.00
3142.75
3142.50
3142.25
3142.00
3141.75
3141.50
3141.25
PIPELINE
PIPELINE
10' ROAD
GP - 1A
GP - 8
GP - 1B
GP - 1
GP - 7
GP - 1C
MW - 4
(3142.21)
GP - 12
PIT
GP - 2
GP -11
GP - 10
GP - 9
GP - 3
GP - 4
GP - 5
GP - 6
MW - 2
(3141.27)
(3141.22)
MW - 3
60
30
0
30
60
Distance in Feet
N
LEGEND:
ETGI MONITORING WELLS
ETGI GEOPROBE POINTS
LAND FARM POINTS
3457.00 GROUNDWATER ELEVATION (IN FEET)
INFERRED GROUND WATER FLOW DIRECTION
Site Groundwater Gradient Map (11/21/00)
EOTT Energy Corp.
Becky Doom No. 97-16
Jal, NM
Environmental Technology Group, INC.
Scale: 1" = 60'
Prep By: JCU
Checked By: CR
November 21, 2000
ETGI Project # EOT2021C

TABLES

TABLE 1

GROUND WATER ELEVATION
ANNUAL REPORT

EOTT ENERGY CORPORATION
TNM 97-16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT2021C

Well Number	Date Measured	Casing Well Elevation	Depth to Product	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
MW - 1	01/13/00	3,163.63	-	20.26	0.00	3,143.37
	04/05/00	3,163.63	-	20.06	0.00	3,143.57
	09/05/00	3,163.63	-	20.62	0.00	3,143.01
	11/21/00	3,163.63	-	20.41	0.00	3,143.22
MW - 2	01/13/00	3,162.32	-	21.02	0.00	3,141.30
	04/05/00	3,162.32	-	20.74	0.00	3,141.58
	09/05/00	3,162.32	-	21.24	0.00	3,141.08
	11/21/00	3,162.32	-	21.05	0.00	3,141.27
MW - 3	01/13/00	3,162.20	-	20.93	0.00	3,141.27
	04/05/00	3,162.20	-	20.69	0.00	3,141.51
	09/05/00	3,162.20	-	21.16	0.00	3,141.04
	11/21/00	3,162.20	-	20.98	0.00	3,141.22
MW - 4	01/13/00	3,165.40	-	23.14	0.00	3,142.26
	04/05/00	3,165.40	-	22.87	0.00	3,142.53
	09/05/00	3,165.40	-	23.44	0.00	3,141.96
	11/21/00	3,165.40	-	23.19	0.00	3,142.21

TABLE 2

GROUND WATER CHEMISTRY
ANNUAL REPORT

EOTT ENERGY CORPORATION
TNM 97 - 16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT 2021C

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	M,P-XYLENES	O-XYLENES
MW - 1	01/13/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/05/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/05/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	01/13/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/05/00	<0.001	<0.001	<0.001	0.002	<0.001
	09/05/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	01/13/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/05/00	<0.001	<0.001	<0.001	0.002	<0.001
	09/05/00	0.003	<0.001	<0.001	<0.001	<0.001
	11/21/00	0.012	<0.001	<0.001	<0.001	0.001
MW - 4	01/13/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/05/00	0.001	0.001	<0.001	0.001	<0.001
	09/05/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/00	<0.001	<0.001	<0.001	<0.001	<0.001

APPENDIX

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT1015C
Project Name: TNM 97-16
Project Location: Lea County, N.M.

Sampling Date: 01/13/00
Receiving Date: 01/14/00
Analysis Date: 01/18 & 01/19/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
22845	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
22846	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001
22847	MW-3	<0.001	<0.001	<0.001	<0.001	<0.001
22848	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		94	91	89	91	88
% EA		93	90	87	88	87
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

Raland K. Tuttle

1-20-00

Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 069

Project Manager: Jesse Taylor
Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4045 Midland TX 79704

Project #: EOT 1015C

Project Name: TNM 97-16

Project Location: Lea County, NM

Sampler Signature: Simon Cano

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B 8260	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
	MW 1	2	V			X			X		X			1/13/2000	1045	X							
	MW 2														1138								
	MW 3														1120								
	MW 4														1104								

ANALYSIS REQUEST

Relinquished by:	Date:	Time:	Received by:
Simon Cano	1/14/00	1430	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

Mail Results: K. Dutton

Invoice: Lennah Frost 1015m

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX; 505-392-3760

SampleType: Water
Sample Condition: Intact/ Iced/HCl
Project #: EOT 1015C
Project Name: TNM 97-16
Project Location: Lea County, N.M.

Sampling Date: 04/05/00
Receiving Date: 04/06/00
Analysis Date: 4/10/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
24641	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
24642	MW-2	<0.001	<0.001	<0.001	0.002	<0.001
24643	MW-3	<0.001	<0.001	<0.001	0.002	<0.001
24644	MW-4	0.001	0.001	<0.001	0.001	<0.001
% IA		91	90	92	95	88
% EA		94	92	94	97	90
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

4-12-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 117

Project Manager: Jesse Taylor
Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4845 Midland TX 79704

Project #: EOT 1015 C
Project Name: TNM 97-16

Project Location: Lea County NM
Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8020	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
	MW 1	2	V	X					X		X			4-5 2000	0940	X							
	MW 2	↓	↓	↓					↓		↓			↓	0845	↓							
	MW 3														0905								
	MW 4														0920								

Relinquished by:	Date:	Times:	Received by:
Simon Casas	4/6/00	1200	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS
Mail results : K. Dutton

Invoice: Lonnah Frost 1015M

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-397-4701

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ 0 deg. C
Project #: EOT 2021C
Project Name: TNM 97-16
Project Location: Lea County, N.M.

Sampling Date: 09/05/00
Receiving Date: 09/08/00
Analysis Date: 09/13/00

ELT#	FIELD CODE/ SAMPLE DATE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L	TOTAL BTEX mg/L
30542	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30543	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30544	MW 3	0.003	<0.001	<0.001	<0.001	<0.001	0.003
30545	MW 4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30546	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	98	99	101	105	97	
	% EA	96	100	98	102	97	
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001	

METHODS: SW 846-8021B,5030

Raland K. Tuttle

9-15-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 E Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 222

Project Manager: BETH ALDRICH
Phone #: (505) 397-4882
FAX #: (505) 397-4781

Company Name & Address: ETGI
2540 W MARLAND HOBBS, NM 88240

Project #: EOT 2021 C
Project Name: TNM 97-16

Project Location: LEA COUNTY NM
Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
	MW 1	2	V	X					X		X			9-5	1115	X							
	MW 2														1021								
	MW 3														1042								
	MW 4														1100								
	EB 1														1130								

Relinquished by:	Date:	Times:	Received by:
Simon Casas	9-8-05	1600	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS
FAX RESULTS: HOBBS OFFICE
MAIL RESULTS: EOTT
INVOICE: EOTT

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
2540 W. MARLAND
HOBBS, N.M. 88242
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ -3 deg. C
Project #: EOT 2021C
Project Name: TNM 97-16
Project Location: Lea County NM

Sampling Date: 11/21/00
Receiving Date: 11/22/00
Analysis Date: 11/24/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
34220	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
34221	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
34222	MW 3	0.012	<0.001	<0.001	<0.001	0.001
34223	MW 4	<0.001	<0.001	<0.001	<0.001	<0.001
34224	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001
%IA		86	88	91	96	89
%EA		91	100	102	108	97
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

11-22-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 E Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 277

Project Manager: BETH ALDRICH

Phone #: (505) 397-4882
FAX #: (505) 397-4781

Company Name & Address: ETGI
2540 W MARLAND HOBBS NM

Project #: EOT 2021C

Project Name: TNM 97-16

Project Location: LEA COUNTY NM

Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE (2000)	TIME	BTEX 8020/8021	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
	MW 1	2	✓	X					X		X			11-21	1140	X							
	MW 2	↓	↓	↓					↓		↓			↓	1052	↓							
	MW 3	↓	↓	↓					↓		↓			↓	1108	↓							
	MW 4	↓	↓	↓					↓		↓			↓	1125	↓							
	EB1	↓	↓	↓					↓		↓				1147	↓							

Relinquished by:	Date:	Time:	Received by:
Simon Casas	11-22-00	0800	Steven Baggs
Steven Baggs	11-22-00	11:25	R. C. Kern
			Received by Laboratory:

REMARKS: -3 C

INVOICE: EOTT

FAX RESULTS: HOBBS OFFICE

MAIL RESULTS: EOTT

ANNUAL MONITORING REPORT

EOTT ENERGY CORP.
TNM 97-16 BECKY DOOM SITE
LEA COUNTY, NEW MEXICO

PREPARED FOR:

EOTT PIPELINE COMPANY
P. O. BOX
MIDLAND, TEXAS 79704

Ms. Lennah Frost

PREPARED BY:

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
4600 WEST WALL STREET
MIDLAND, TEXAS 79704

March 2000

TABLE OF CONTENTS

INTRODUCTION

Environmental Technology Group, Inc. (ETGI), on behalf of EOTT Energy Corp. (EOTT), prepared this annual report in compliance with the New Mexico Oil Conservation Division (ODC) letter of May 1998, requiring submittal of an annual report by April 1 of each year. The report presents the results of the quarterly ground water monitoring events only. Additional site activities and remedial work is summarized in reports previously submitted to the OCD. For reference, a site location map is provided as Figure 1.

Ground water monitoring was conducted during four quarterly events in 1999 to assess the levels and extent of dissolved phase and free phase petroleum hydrocarbon constituents. The groundwater monitoring events consisted of measuring static water levels in the monitoring wells, checking for the presence of phase-separated hydrocarbons (PSH), and purging and sampling of each well exhibiting sufficient recharge. Monitoring wells containing measurable levels of PSH were not sampled.

FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on January 21, May 13, August 29 and November 4, 1999. During each sampling event, the monitoring wells, designated to be sampled, were purged of approximately 3 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 disposable Teflon samplers. Monitoring wells with a measurable presence of PSH were not sampled. Water samples were stored in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and introduced into the existing ground water treatment system.

GROUNDWATER GRADIENT

Locations of the monitoring wells and the inferred ground water gradient, as measured on November 4, 1999, are depicted on Figure 2. The ground water elevation data are provided as Table 1. Groundwater elevation contours, generated from the final semi-annual event of 1999 water level measurements, indicated a general gradient of approximately 0.005 ft/ft to the south-southeast. The depth to groundwater, as measured from the top of the well casing, ranged between 20.13 to 21.25 feet. There was no PSH detected in any of the monitoring wells.

LABORATORY RESULTS

Ground water samples obtained during the first two sampling events were mailed to Xenco Laboratories in San Antonio, Texas. Ground water samples collected during the latter two events were hand delivered to Environmental Laboratory of Texas, Midland, Texas for determination of benzene, toluene, ethylbenzene and total xylenes (BTEX) concentrations by EPA Method SW846-8020 and 8021B. The ground water chemistry data are provided as Table 2 and the Labatory

Reports are provided as Appendix A. Additional analyses, required of recently completed wells, are provided on Tables 3,4 and 5. The laboratory report for these analyses is also provided in Appendix A. Laboratory results for all of the site ground water samples, obtained during the 1999 annual period, indicated that BTEX concentrations were below detection limits.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 1999. No PSH was detected in any of the site wells during the four monitoring events. Dissolved phase concentrations of BTEX were non-detect in all of the monitoring wells. The ground water gradient is to the south-southeast at a slope of 0.005 ft/ft. There is no evidence of off-site impact as a result of constituent migration in the ground water.

FIGURES

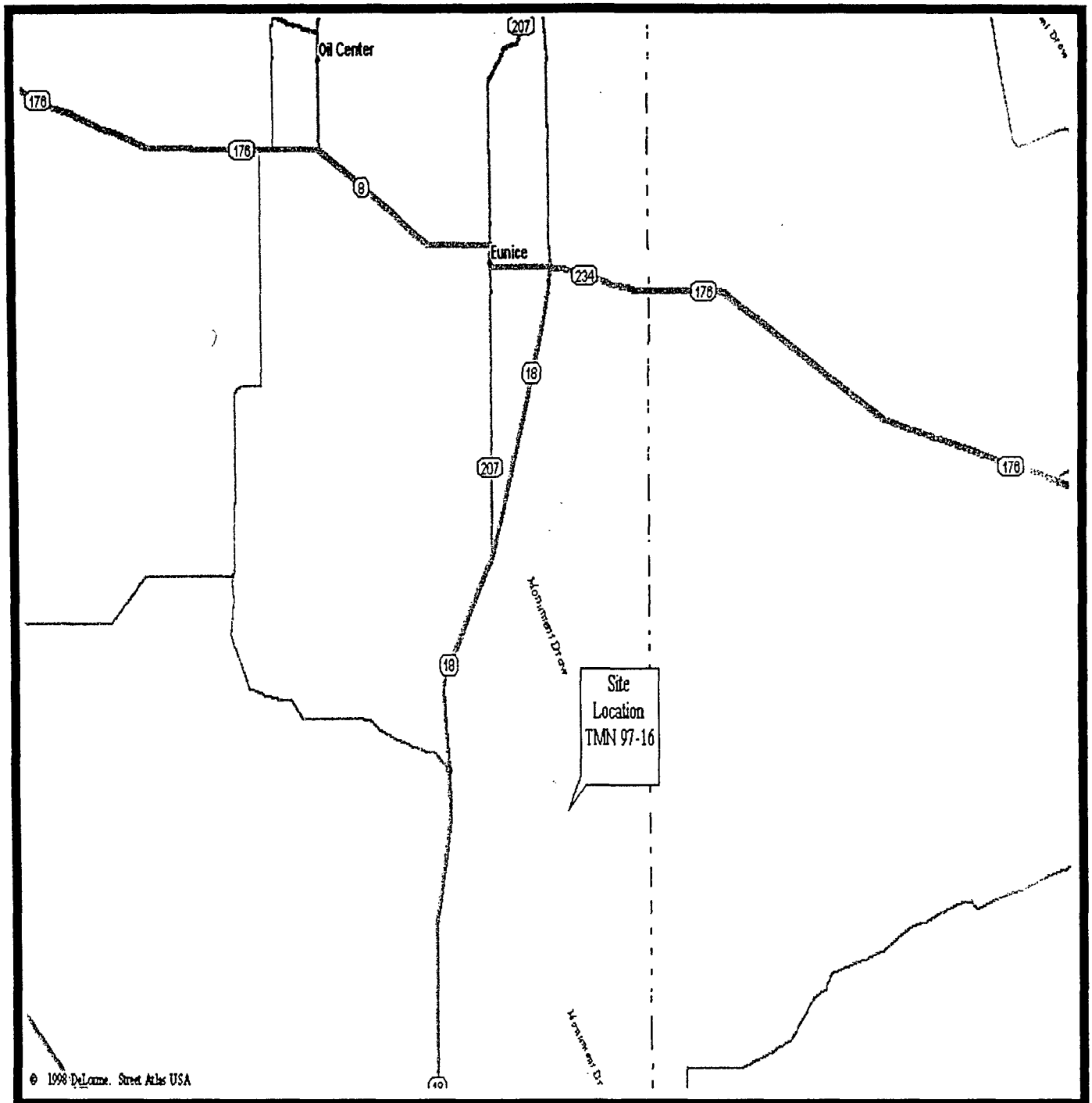
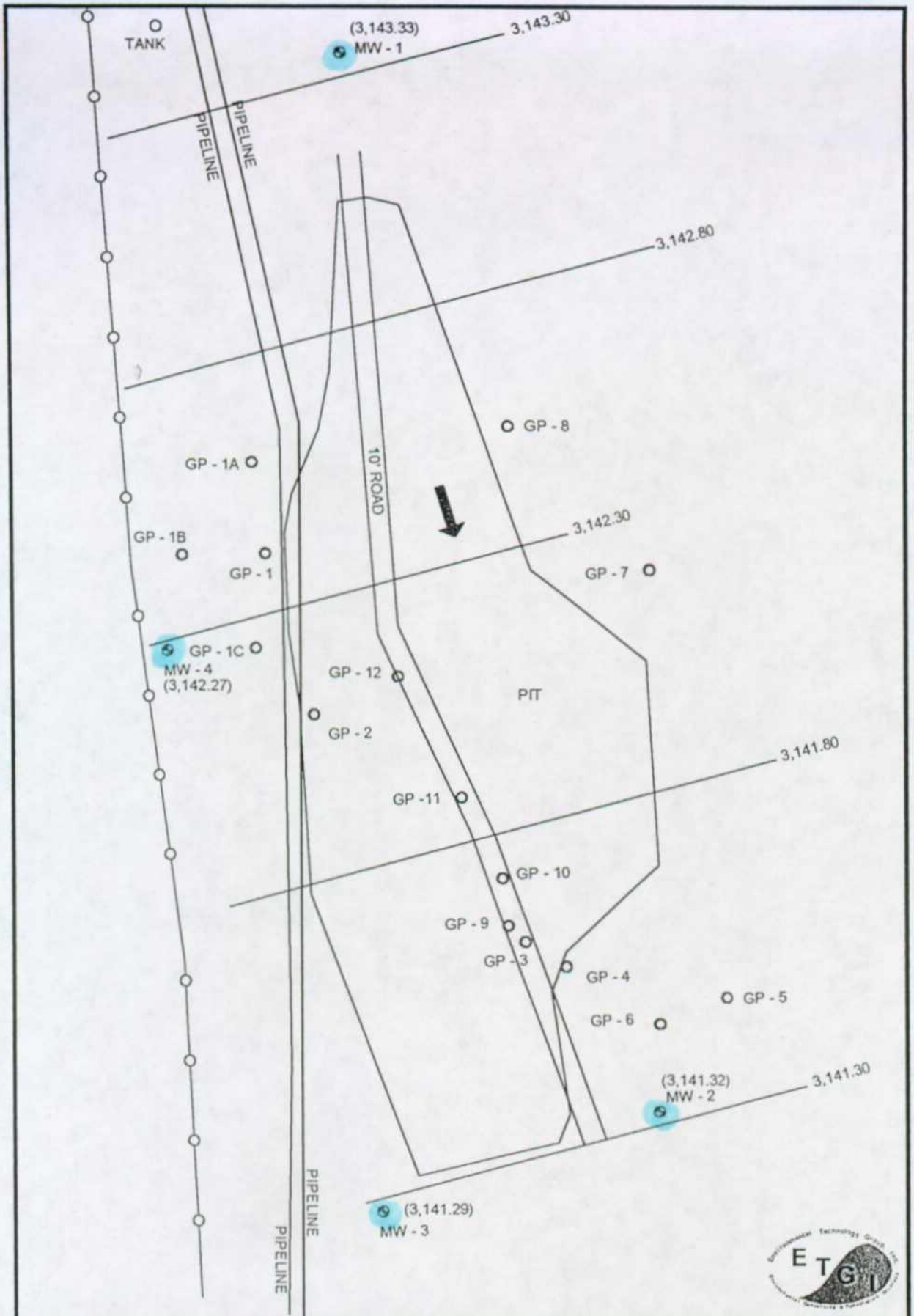


FIGURE 1	Site Location Map	Environmental Technology Group, Inc.
Not To Scale	EOTT Energy Corp. Becky Doom No. 97-16 Jal, NM	11 - 22 - 99 RS
		ETGI Project # EOT 1021C


TANK
(3,143.33)
MW - 1
3,143.30
PIPELINE
PIPELINE
3,142.80
GP - 8
GP - 1A
10' ROAD
GP - 1B
GP - 1
3,142.30
GP - 7
GP - 1C
MW - 4
(3,142.27)
GP - 12
PIT
GP - 2
3,141.80
GP -11
GP - 10
GP - 9
GP - 3
GP - 4
GP - 5
GP - 6
(3,141.32)
MW - 2
3,141.30
(3,141.29)
MW - 3
PIPELINE
PIPELINE
E T G I
LEGEND:
ETGI MONITORING WELLS
ETGI GEOPROBE POINTS
LAND FARM POINTS
GROUND WATER ELEVATIONS
INFERRED GROUND WATER FLOW DIRECTION
Figure 2
Inferred Ground Water Contours 11/04/99
EOTT ENERGY No. 97-16
Jal, NM
Environmental Technology Group, INC.
Scale 1" = 80'
Prep By RS
Checked By JH
December 3, 1999
ETGI Project # EOT 102NC

TABLES

TABLE 1
GROUNDWATER ELEVATION TABLE
TNM 97-16
LEA COUNTY, NM
ETGI PROJECT# EOT1015C

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-1	01/21/99	3,163.63	-	20.19	0.00	3,143.44
MW-1	04/13/99	3,163.63	-	20.13	0.00	3,143.50
MW-1	08/24/99	3,163.63	-	20.33	0.00	3,143.30
MW-1	11/04/99	3,163.63	-	20.30	0.00	3,143.33
MW-2	01/21/99	3,162.32	-	20.95	0.00	3,141.37
MW-2	04/13/99	3,162.32	-	20.90	0.00	3,141.42
MW-2	08/24/99	3,162.32	-	20.95	0.00	3,141.37
MW-2	11/04/99	3,162.32	-	21.00	0.00	3,141.32
MW-3	01/21/99	3,162.20	-	20.89	0.00	3,141.31
MW-3	04/13/99	3,162.20	-	20.81	0.00	3,141.39
MW-3	08/24/99	3,162.20	-	20.86	0.00	3,141.34
MW-3	11/04/99	3,162.20	-	20.91	0.00	3,141.29
MW-4	11/04/99	3,165.40	-	23.13	0.00	3,142.27
WW-1	01/21/99	3,164.98	-	21.02	0.00	3.143.96
WW-1	04/13/99	3,164.98	-	21.17	0.00	3,143.81
WW-1	08/24/99	3,164.98	-	21.25	0.00	3,143.73
WW-1	11/04/99	3,164.98	-	21.25	0.00	3,143.73

TABLE 2
GROUND WATER CHEMISTRY
TNM 96-16
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT1015C

SAMPLE	SAMPLE DATE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	mp-XYLENE (mg/L)	o-XYLENE (mg/L)
MW-1	01/21/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-1	04/13/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-1	08/24/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-1	11/04/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	01/21/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-2	04/13/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-2	08/24/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	11/04/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-3	01/21/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-3	04/13/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-3	08/24/99	<0.001	<0.001	<0.001	0.001	<0.001
MW-3	11/04/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-4	11/04/99	<0.001	<0.001	<0.001	<0.001	<0.001
WW-1	01/21/99	<0.001	<0.001	<0.001	<0.002	<0.001
WW-1	04/13/99	<0.001	<0.001	<0.001	<0.002	<0.001

NOTE: Monitor Well #4 was installed during 4Q99. Water Well (WW-1) was not sampled during the 3Q99 and 4Q99 due to installation of a down hole pump.

Methods: EPA SW 846-8020, 5030

APPENDIX A

XENCO Laboratories

11381 Meadowglen Suite L
Houston, Texas 77082-2647
(281) 589-0692 Fax: (281) 589-0695
Houston - Dallas - San Antonio - Latin America

January 28, 1999

Project Manager: Theresa Nix
KEI Consultants, Inc.
5309 Wurzbach Rd. Suite 100
San Antonio, TX 78238

Reference: **XENCO Report No.: -90281**
Project Name: TNMPL TNM-97-16
Project ID: 710034-1
Project Address: Jal, NM

Dear Theresa Nix:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with XENCO Chain of Custody Number -90281.N All results being reported to you apply only to the samples analyzed, properly identified with a Laboratory ID number. This letter documents the official transmission of the contents of the report and validates the information contained within.

All the results for the quality control samples passed thorough examination. Also, all parameters for data reduction and validation checked satisfactorily. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 3 years in our archives and after that time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. -90281N will be filed for 60 days, and after that time they will be properly disposed of without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

XENCO operates under the A2LA guidelines. Our Quality System meets ISO/IEC Guide 25 requirements which is strictly implemented and enforced through our standard QA/QC procedures.

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Sincerely,

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

ANALYTICAL CHAIN OF CUSTODY REPORT
CHRONOLOGY OF SAMPLES

KEI Consultants, Inc.

Project ID: 710034-1
Project Manager: Theresa Nix
Project Location: Jal, NM

Project Name: TNMPL TNM-97-16

XENCO COC#: -90281
Date Received in Lab: Jan 26, 1999 10:10 by DH
XENCO contact : Carlos Castro/Karen Olson

	Field ID	Lab. ID	Method Name	Method ID	Units	Turn Around	Date and Time: Sample Collected	Date and Time: Addition Requested	Date and Time: Extraction	Date and Time: Analysis
1	MW-1	90281-001	BTEX	SW-846	ppm	10 days	Jan 21, 1999 12:35		Jan 27, 1999 by HL	Jan 27, 1999 13:55 by HL
2	MW-2	90281-002	BTEX	SW-846	ppm	10 days	Jan 21, 1999 12:00		Jan 27, 1999 by HL	Jan 27, 1999 14:13 by HL
3	MW-3	90281-003	BTEX	SW-846	ppm	10 days	Jan 21, 1999 12:15		Jan 27, 1999 by HL	Jan 27, 1999 13:01 by HL
4	WW-1	90281-004	BTEX	SW-846	ppm	10 days	Jan 21, 1999 13:05		Jan 27, 1999 by HL	Jan 27, 1999 14:31 by HL

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY -90281

KEI Consultants, Inc.

Project Name: TNMPL TNM-97-16

Project ID: 710034-1
Project Manager: Theresa Nix
Project Location: Jal, NM

Date Received in Lab : Jan 26, 1999 10:10
Date Report Faxed: Jan 28, 1999
XENCO contact : Carlos Castro/Karen Olson

Analysis Requested	*Lab ID:* / *Field ID:* / *Depth:* / *Matrix:* / *Sampled:*	90281 001 MW-1 Liquid 01/21/99 12:35	90281 002 MW-2 Liquid 01/21/99 12:00	90281 003 MW-3 Liquid 01/21/99 12:15	90281 004 WW-1 Liquid 01/21/99 13:05
BTEX EPA 8021B	*Analyzed:* / *Units:*	01/27/99 ppm R.L.	01/27/99 ppm R.L.	01/27/99 ppm R.L.	01/27/99 ppm R.L.
Benzene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Toluene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Ethylbenzene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
m,p-Xylene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
o-Xylene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Total BTEX		N.D.	N.D.	N.D.	N.D.

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

Certificate Of Quality Control for Batch : 19A25A37

SW- 846 5030/8021B BTEX

Date Validated: Jan 28, 1999 11:45
Date Analyzed: Jan 27, 1999 13:01

Analyst: HL
Matrix: Liquid

	MATRIX SPIKE / MATRIX SPIKE DUPLICATE AND RECOVERY										
Q.C. Sample ID 90281- 003	[A] Sample Result	[B] Matrix Spike Result	[C] Matrix Spike Duplicate Result	[D] Matrix Spike Amount	[E] Detection Limit	Matrix Limit Relative Difference	[F] QC Spike Relative Difference	[G] QC Matrix Spike Recovery	[H] QC M.S.D. Recovery	[I] Matrix Spike Recovery Range	[J] Qualifier
Parameter	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	
Benzene	< 0.0010	0.0861	0.0939	0.1000	0.0010	20.0	8.7	86.1	93.9	65-135	
Toluene	< 0.0010	0.0842	0.0936	0.1000	0.0010	20.0	10.6	84.2	93.6	65-135	
Ethylbenzene	< 0.0010	0.0834	0.0924	0.1000	0.0010	20.0	10.2	83.4	92.4	65-135	
m,p-Xylene	< 0.0020	0.1700	0.1890	0.2000	0.0020	20.0	10.6	85.0	94.5	65-135	
o-Xylene	< 0.0010	0.0864	0.0952	0.1000	0.0010	20.0	9.7	86.4	95.2	65-135	

Spike Relative Difference [F] = 200*(B-C)/(B+C)
Matrix Spike Recovery [G] = 100*(B-A)/[D]
M.S.D. = Matrix Spike Duplicate
M.S.D. Recovery [H] = 100*(C-A)/[D]
N.D. = Below detection limit or not detected
All results are based on MDL and validated for QC purposes

Eddie L. Clemons, II
QA/QC Manager

CENCO Laboratories

Certificate Of Quality Control for Batch : 19A25A37

SW- 846 5030/8021B BTEX

Date Validated: Jan 28, 1999 11:45
Date Analyzed: Jan 27, 1999 12:25

Analyst: HL
Matrix: Liquid

	BLANK SPIKE ANALYSIS						
Parameter	[A] Blank Result ppm	[B] Blank Spike Result ppm	[C] Blank Spike Amount ppm	[D] Detection Limit ppm	[E] QC LIMITS Blank Spike Recovery %	[F] LIMITS Recovery Range %	[G] Qualifier
enzene	< 0.0010	0.0939	0.1000	0.0010	93.9	65-135	
Toluene	< 0.0010	0.0932	0.1000	0.0010	93.2	65-135	
Ethylbenzene	< 0.0010	0.0909	0.1000	0.0010	90.9	65-135	
.p-Xylene	< 0.0020	0.1910	0.2000	0.0020	95.5	65-135	
o-Xylene	< 0.0010	0.0989	0.1000	0.0010	98.9	65-135	

Spike Recovery [E] = 100*(B-A)/(C)
Not calculated, data below detection limit
. = Below detection limit
Results are based on MDL and validated for QC purposes only

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

☐ 11381 Meadowglen, Suite L, Houston TX 77082 281-589-0692
☒ 5309 Wurzbach Road, Suite 104, San Antonio, TX 78238 210-509-3334
☐ 11078 Morrison Road, Suite D, Dallas, TX 75229 972-481-9999

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

On-LINE Help & Technical Services at XENCO.com

13985

Company COC No: Work Order No: Page 1 of 1

Company	KEI
Phone	(210) 680-3767
Project Name	☒ Previously done at XENCO — TNMPL TNM-97-16
Project ID	710034-1
Location	JAL, NM
Project Manager (PM)	THERESA NIX
Project Director (PD)	
Fax Results to	☒ PM and / or
Fax	(210) 680-3763
Invoice to	☒ Accounting ☐ Include Invoice with Final Report Attn PM ☒ Invoice
must have a P.O Bill to:	710034-1
Quote No.	
P.O No	
	☐ Call for a P.O.
Special DLs	(RR I RR II DW QAPP See Lab PM Call Proj. PM)
Specifications	
Sampler Name	DW Ammerman
Signature	

Lab Only: 90281 - SS

TAT: 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d Standard TAT is 10 Working Days unless otherwise agreed in writing. But often reported in 5-7 Working Days

Lab Only Additions: From: / Rcv by: / Date

	Sample ID	Sampling Date	Time	Depth ft' in" m	Matrix A P S W	Composite	Grab	# Containers	Container Size	Type	Preservatives	BTEX by 8020 8021 8260 602 624 Other	BTEX-MTBE by 8020 8021 8260 602 624 Other	TPH by TX1005 418.1 8015GRO 8015DRO 8015JetF	PAHs by 8270 8100 8310	METALS by 6010 8RCRA Tot Pb TCLP8 13PP 23TAL See List	VOAs by 8260 624 BTEX MTBE PPs TCL See List Call PM	SVOAs by 8270 625 PAHs BN&A TCL PPs See List Call PM	TAT 5h 12h 20h 24h 48h 3d 5d 7d 0d 14d 21d	Addn: PAH above mg/L W. mg/Kg S Highest Hit	Hold Analysis	Remarks
1	MW-1	1/21/99	1235		W		X	Z	Y	GA	H	X							X			
2	MW-2		1200																			
3	MW-3		1215																			
4	WW-1		1305																			
5																						
6																						
7																						
8																						
9																						
10																						

N031 907 685 4

EXPORT 2

Relinquished by (Initials and Signature)	Relinquished to (Initials and Signature)	Date & Time
1		1/21/99 1700
2		
3	Lab: D. Houston	1/22/99 1010

Total Containers per COC:

Rush TATs Fax Due: Final Fax Due:

Final Report Data Package Due Date:

Rush Charges are Pre-Approved upon Requesting them. All Terms Apply

Preservatives - Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO4 pH<2 (N), NaOH+Asbc Acid (NAA), ZnAc+NaOH (ZA), (Cool,<4C) (C4), None (N), See Label (SL), Other (O) _____

SIZE: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1L (1), 500ml (.5), Tedlar Bag (B), Wipe (W), Other _____ TYPE Glass Amb (GA), Glass Clear (GC), Plastic (P), Other (O) _____

XENCO Laboratories

11381 Meadowglen Suite L
Houston, Texas 77082-2647
(281) 589-0692 Fax: (281) 589-0695
Houston - Dallas - San Antonio - Latin America

April 19, 1999

Project Manager: Stan Grover
KEI Consultants, Ltd.
5309 Wurzbach Rd. Suite 100
San Antonio, TX 78238

Reference: XENCO Report No.: -91537
Project Name: JAL Excavation
Project ID: 710034-1-0
Project Address: Jal, NM

Dear Stan Grover:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with XENCO Chain of Custody Number -91537.v All results being reported to you apply only to the samples analyzed, properly identified with a Laboratory ID number. This letter documents the official transmission of the contents of the report and validates the information contained within.

All the results for the quality control samples passed thorough examination. Also, all parameters for data reduction and validation checked satisfactorily. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 3 years in our archives and after that time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. -91537v will be filed for 60 days, and after that time they will be properly disposed of without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

XENCO operates under the A2LA guidelines. Our Quality System meets ISO/IEC Guide 25 requirements which is strictly implemented and enforced through our standard QA/QC procedures.

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Sincerely,

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY -91537

KEI Consultants, Ltd.

Project Name: JAL Excavation

Project ID: 710034-1-0
Project Manager: Stan Grover
Project Location: Jal, NM

Date Received in Lab : Apr 15, 1999 12:20
Date Report Faxed: Apr 19, 1999
XENCO contact : Carlos Castro/Karen Olsen

Analysis Requested	*Lab ID:*	91537 001	91537 002	91537 003	91537 004
	Field ID:	6" RW	MW-1	MW-2	MW-3
	Depth:				
	Matrix:	Liquid	Liquid	Liquid	Liquid
	Sampled:	04/13/99 11:00	04/13/99 12:30	04/13/99 12:00	04/13/99 11:30
BTEX	*Analyzed:*	04/16/99 R.L.	04/16/99 R.L.	04/16/99 R.L.	04/16/99 R.L.
EPA 8021B	*Units:*	ppm	ppm	ppm	ppm
Benzene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Toluene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Ethylbenzene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
m,p-Xylene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
o-Xylene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Total BTEX		N.D.	N.D.	N.D.	N.D.

Eddie L. Clemons, II
QA/QC Manager

ANALYTICAL CHAIN OF CUSTODY REPORT
CHRONOLOGY OF SAMPLES

KEI Consultants, Ltd.

Project ID: 710034-1-0
Project Manager: Stan Grover
Project Location: Jal, NM

Project Name: JAL Excavation

XENCO COC#: -91537
Date Received in Lab: Apr 15, 1999 12:20 by LY
XENCO contact : Carlos Castro/Karen Olson

	Field ID	Lab. ID	Method Name	Method ID	Units	Turn Around	Date and Time			
							Sample Collected	Addition Requested	Extraction	Analysis
1	6" RW	91537-001	BTEX	SW-846	ppm	7 days	Apr 13, 1999 11:00		Apr 16, 1999 by HAL	Apr 16, 1999 12:16 by HAL
2	MW-1	91537-002	BTEX	SW-846	ppm	7 days	Apr 13, 1999 12:30		Apr 16, 1999 by HAL	Apr 16, 1999 12:35 by HAL
3	MW-2	91537-003	BTEX	SW-846	ppm	7 days	Apr 13, 1999 12:00		Apr 16, 1999 by HAL	Apr 16, 1999 12:53 by HAL
4	MW-3	91537-004	BTEX	SW-846	ppm	7 days	Apr 13, 1999 11:30		Apr 16, 1999 by HAL	Apr 16, 1999 13:11 by HAL

XEN Laboratories

Certificate Of Quality Control for Batch : 19A25B65

SW- 846 5030/8021B BTEX

Date Validated: Apr 17, 1999 09:00
Date Analyzed: Apr 16, 1999 11:24

Analyst: HAL
Matrix: Liquid

	BLANK SPIKE / BLANK SPIKE DUPLICATE AND RECOVERY										
Parameter	[A] Blank Result ppm	[B] Blank Spike Result ppm	[C] Blank Spike Duplicate Result ppm	[D] Blank Spike Amount ppm	[E] Detection Limit ppm	Blank Limit Relative Difference %	[F] QC Spike Relative Difference %	[G] QC Blank Spike Recovery %	[H] QC B.S.D. Recovery %	[I] Blank Spike Recovery Range %	[J] Qualifier
Benzene	< 0.0010	0.1031	0.1058	0.1000	0.0010	20.0	2.6	103.1	105.8	65-135	
Toluene	< 0.0010	0.0996	0.1034	0.1000	0.0010	20.0	3.7	99.6	103.4	65-135	
Ethylbenzene	< 0.0010	0.0969	0.0996	0.1000	0.0010	20.0	2.7	96.9	99.6	65-135	
m,p-Xylene	< 0.0020	0.1966	0.2041	0.2000	0.0020	20.0	3.7	98.3	102.1	65-135	
o-Xylene	< 0.0010	0.1020	0.1077	0.1000	0.0010	20.0	5.4	102.0	107.7	65-135	

Spike Relative Difference [F] = 200*(B-C)/(B+C)
Blank Spike Recovery [G] = 100*(B-A)/[D]
B S D = Blank Spike Duplicate
B S D Recovery [H] = 100*(C-A)/[D]
N D = Below detection limit or not detected
All results are based on MDL and validated for QC purposes

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

☐ 11381 Meadowglen, Suite I., Houston TX 77082 281-589-0692
☒ 5309 Wurzbach Road, Suite 104, San Antonio, TX 78238 210-509-3334
☐ 11078 Morrison Road, Suite D, Dallas, TX 75229 972-481-9999

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

On-LINE Help & Technical Services at XENCO.com

3808

Company COC No: 286 Work Order No: 710034-1 Page 1 of 1

Company: K.C.I	Phone: 210-680-3767
Project Name: JAL EXCAVATION (☒ Previously done at XENCO)	Project ID: 710034-1-0
Location: JAL, NM	
Project Manager (PM): STAN GROVER	Project Director (PD): M. HAWTHORNE
Fax Results to: ☒PM and / or	Fax: 210-680-3763

Invoice to ☐ Accounting ☐ Include Invoice with Final Report Attn PM ☐ Invoice must have a P.O. Bill to:

Quote No. P.O No 710034-1 Call for a P.O.

Special DLs (RRT RRII DW QAPP See Lab PM Call Proj. PM)

Specifications

Sampler Name: JUSTIN Taylor Signature:

Lab Only: 91537-SA

TAT: 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d Standard TAT is 10 Working Days unless otherwise agreed in writing. But often reported in 5-7 Working Days

	Sample ID	Sampling Date	Time	Depth (ft in m)	Matrix (A P S)	Composite	Grab	# Containers	Container Size	Type	Preservatives	BTEX by 8021 (8260 602 624 Other)	BTEX-MTBE by 8020 (8021 8260 602 624 Other)	TPH by TX1005 (418.1 8015GRO 8015DRO 8015Jetf)	PAHs by 8270 (8100 8310)	METALS by 6010 (8RCRA Tot Pb TCLP8 13PP 23TAL See List)	VOAs by 8260 (624 BTEX MTBE PPs TCL See List Call PM)	SVOAs by 8270 (625 PAHs BN&A TCL PPs See List Call PM)	TAT 5h 12h 20h 24h 48h 3d 5d 7d (10d) 14d 21d	Addn: PAH above mg/L W. mg/Kg S Highest Hit	Hold Analysis
1	6" RW	4-13-99	1100				X	2	V	GA	H,Cl	X									
2	MW-1	↓	1220				↓	↓	↓	↓	↓	↓									
3	MW-2		1200																		
4	MW-3		1230																		
5																					
6																					
7																					
8																					
9																					
10																					

Remarks: If questions call S. Glover @ 210-680-3767

Lab Only Additions: Rcv by: From: Date

	Relinquished by (Initials and Signature)	Relinquished to (Initials and Signature)	Date & Time
1	JT		4-14-99 1600
2		by UPS	
3		Lab: Jamie Goolay	4-15-99 1220

Total Containers per COC: 8

Rush TATs Fax Due: Final Fax Due:

Final Report Data Package Due Date:

Rush Charges are Pre-Approved upon Requesting them. All Terms Apply

Preservatives - Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), NaOH+Asbc Acid (NAA), ZnAc+NaOH (ZA), (Cool,<4C) (C4), None (N), See Label (SL), Other (O) _____

SIZE: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1l (1), 500ml (.5), Tedlar Bag (B), Wipe (W), Other _____ TYPE Glass Amb (GA), Glass Clear (GC), Plastic (P), Other (O) _____

(34)

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: TNM 97-16 FIELD TECHNICIAN: D DATE: 24 AUG 99

WELL NO.	TIME WELL PURGED	TOTAL WELL DEPTH (feet) 1	DEPTH TO WATER (feet) 2	HEIGHT WATER COLUMN (feet) (1-2)=3	WELL FACTOR 2"=.16 4"=.65 6"=1.5 4	CALC. WELL VOLUME (gal) (3x4)=5	TOTAL WATER PURGED (gal) 6	ESTIMATED NO. WELL VOLUMES PURGED 6/5	1999 TIME SAMPLE TAKEN/DATE	DEPTH TO PSH (feet)	PSH THICKNESS (feet)	SAMPLE CHARACTERISTIC
MW-1	Ø955	33.Ø2	2Ø.33	12.69	.16	2.Ø3	6.Ø9	3.Ø	1Ø4Ø		PH 7.41	O 53mV
CONDITION:		Cover:	Cap:	Casing:	Lock:		Manway/Pad:		8-24		T 21.Ø	C 1856µS
MW-2	Ø945	28.98	2Ø.95	8.Ø3	.16	1.28	3.85	3.Ø	1Ø25		PH 7.3Ø	O 55mV
CONDITION:		Cover:	Cap:	Casing:	Lock:		Manway/Pad:		8-24		T 21.3	C 1986µS
MW-3	Ø93Ø	29.88	2Ø.86	9.Ø2	.16	1.44	4.32	3.Ø	1Ø15		PH 6.9Ø	O 81 mV
CONDITION:		Cover:	Cap:	Casing:	Lock:		Manway/Pad:		8-24		T 22.6	C 169Ø µS
WW-6"	—	34.63	21.25								~~PH~~	~~O~~
CONDITION:		Cover:	Cap:	Casing:	Lock:		Manway/Pad:		NOT SAMPLED		~~T~~	~~C~~
CONDITION:		Cover:	Cap:	Casing:	Lock:		Manway/Pad:					
CONDITION:		Cover:	Cap:	Casing:	Lock:		Manway/Pad:					
CONDITION:		Cover:	Cap:	Casing:	Lock:		Manway/Pad:					
CONDITION:		Cover:	Cap:	Casing:	Lock:		Manway/Pad:					
CONDITION:		Cover:	Cap:	Casing:	Lock:		Manway/Pad:					

Total Removed: 14.26 gal.

DRUMS ON SITE: ______

CARBON DRUM TRAILER: (yes/no) ______

DISCHARGE SAMPLE (time/date): ______

pH: ______

COMMENTS: COC: ØØ6

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/HCl
Project #: TNM 97-16
Project Name: None Given
Project Location: Lea County, N.M.

Sampling Date: 08/24/99
Receiving Date: 08/27/99
Analysis Date:. 08/27/99

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
19612	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
19613	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001
19614	MW-3	<0.001	<0.001	<0.001	0.001	<0.001
	% IA	97	92	93	91	92
	% EA	97	89	85	86	86
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020,5030

Raland K. Tuttle

9-2-99
Date

COC: 006

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

P 1 of 1

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166

FAX #:

Company Name & Address: ETGI P.O.BOX 4845 MIDLAND TX 79704

Project #: TNM 97-16

Project Name: —

Project Location: LEA COUNTY NM

Sampler Signature: Ken Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
19612	MW-1	2	✓	X					X		X			8-24-1999	1040	X							
19613	MW-2	2	✓	X					X		X			8-24	1025	X							
19614	MW-3	2	✓	X					X		X			8-24	1015	X							

Relinquished by:	Date:	Times:	Received by:
Ken Dutton	26 Aug 99	0845	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date: 8/27/99	Times: 10:30	Received by Laboratory:

REMARKS MAIL RESULTS TO:
KEN DUTTON
1606 W. CALLE SUR, APT B
HOBBS NM 88240-0485

INVOICE TO: LENNAH FROST
P.O.# 1015M

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: TNM 97-16 FIELD TECHNICIAN: KD/SC DATE: 11-4-99

WELL NO.	TIME WELL PURGED	TOTAL WELL DEPTH (feet) 1	DEPTH TO WATER (feet) 2	HEIGHT WATER COLUMN (feet) (1-2)=3	WELL FACTOR 2"=.16 4"=.65 6"=1.5 4	CALC. WELL VOLUME (gal) (3x4)=5	TOTAL WATER PURGED (gal) 6	ESTIMATED NO. WELL VOLUMES PURGED 6/5	1999 TIME SAMPLE TAKEN/DATE	DEPTH TO PSH (feet)	PSH THICKNESS (feet)	SAMPLE CHARACTERISTIC
MW 1	1146	32.92	20.30	12.62	.16	2.01	6.05	3.0	11-4 1200		T 20.2 ph 7.55	C 1680 us O 48 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW 2	0947	28.88	21.00	7.88	.16	1.26	3.78	3.0	11-4 0958		T 19.8 ph 7.11	C 2060 us O 101 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW 3	1024	29.80	20.91	8.89	.16	1.42	4.26	3.0	11-4 1039		T 19.6 ph 7.33	C 1700 us O 64 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
MW4	1055	30.65	23.13	7.52	.16	1.20	3.60	3.0	11-4 1110		T 21.3 ph 7.47	C 1673 us O 29 mv
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						
CONDITION:		Cover:	Cap:	Casing:	Lock:	Manway/Pad:						

Total Removed: ______ gal.

DRUMS ON SITE: ______

CARBON DRUM TRAILER: (yes/no) ______

DISCHARGE SAMPLE (time/date): ______

pH: ______

COMMENTS: ______

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ETGI
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760(Ken Dutton)

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT 1015C
Project Name: TNM 97-16
Project Location: Lea County, N.M.

Sampling Date: 11/04/99
Receiving Date: 11/06/99
Analysis Date: 11/06/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
21404	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
21405	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001
21406	MW-3	<0.001	<0.001	<0.001	<0.001	<0.001
21407	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		105	101	102	103	102
% EA		103	98	98	99	98
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021,5030

Raland K. Tuttle

11-17-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

T2

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: eot 10,5c
Project Name: Tnm 97-16
Project Location: Lea County,N.M.

Sampling Date: 11/04/99
Receiving Date: 11/06/99
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
21407	MW-4	474	239	0	175	1114
	QUALITY CONTROL	44.3	4874	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	89	97	*	*	*
	ANALYSIS DATE	11/12/99	11/15/99	11/12/99	11/12/99	11/12/99

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

11-16-99
Date

T3

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1015C
Project Name: TNM 87-16
Project Location: Lea County, N.M.
Field Code: MW-4

Sampling Date: 11/04/99
Receiving Date: 11/08/99
Extraction Date: 11/10/99
Analysis Date: 11/13/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 21407	RPD	%EA	%IA
Naphthalene	0.005	ND			48
Acenaphthylene	0.005	ND			80
Acenaphthene	0.005	ND	17.14	57	62
Fluorene	0.005	ND			66
Phenanthrene	0.005	ND			72
Anthracene	0.005	ND			68
Fluoranthene	0.005	ND			72
Pyrene	0.005	ND	0.00	63	78
Benzo[a]anthracene	0.005	ND			74
Chrysene	0.005	ND			74
Benzo[b]fluoranthene	0.005	ND			54
Benzo[k]fluoranthene	0.005	ND			114
Benzo [a]pyrene	0.005	ND			70
Indeno[1,2,3-cd]pyrene	0.005	ND			72
Dibenz[a,h]anthracene	0.005	ND			74
Benzo[g,h,i]perylene	0.005	ND			74

	% RECOVERY
Nitrobenzene-d5 SURR	52
2-Fluorobiphenyl SURR	51
Terphenyl-d14 SURR	58

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

Raland K. Tuttle

11-16-99
Date

T4

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT 1015C
Project Name: TNM 97-16
Project Location: Lea County, N.M.

Sample Date: 11/04/99
Receiving Date: 11/06/99
Analysis Date: 11/12/99
Analysis Date: Hg 11/11/99

Analyte (mg/L)	MW-4 21407	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	29.10	0.0500	*	*	<0.0500	*
Arsenic	0.0160	0.0050	104	108	<0.0050	1.87
Barium	0.9630	0.0100	96	97	<0.0100	0.50
Beryllium	ND	0.0040	102	104	<0.0040	0.00
Cadmium	ND	0.0010	98	98	<0.0010	0.00
Calcium	228.0	1.000	101	*	<1.000	3.95
Chromium	0.0390	0.0050	94	97	<0.0050	0.52
Cobalt	ND	0.0200	97	98	<0.0200	0.82
Copper	0.0100	0.0100	96	96	<0.0100	0.41
Iron	25.50	0.0500	103	8	<0.0500	42.21
Lead	0.0130	0.0030	98	94	<0.0030	0.00
Magnesium	67.90	1.000	99	*	<1.000	5.42
Manganese	0.3070	0.0150	94	94	<0.0150	1.62
Mercury	ND	0.00020	101	98	<0.00020	13.04
Molybdenum	ND	0.050	8	*	<0.050	*
Nickel	0.0260	0.0100	95	94	<0.0100	1.24
Potassium	22.60	1.000	81	*	<1.000	15.75
Selenium	0.0200	0.0050	106	110	<0.0050	3.70
Silver	ND	0.0050	94	96	<0.0050	2.11
Sodium	372.0	1.000	112	*	<1.000	1.66
Tin	ND	0.0500	*	*	<0.0500	*
Vanadium	0.2510	0.0200	96	97	<0.0200	0.41
Zinc	0.0510	0.0200	91	94	<0.0200	0.00
Boron	0.562	0.050	*	*	<0.050	*
Strontium	2.11	0.050	*	*	<0.050	*

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

11-16-99
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 36

Project Manager: Jesse Taylor
Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O Box 4845 Midland, Tx 79704

Project #: EOT 1015 C
Project Name: TNM 97-16

Project Location: Lea County, NM
Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/8260	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS (160.1)	RCI	Anions (300.0)	Cations (6010) SM 4500CO2D	PAH (8100) or (8270)	Heavy Metal ICP scan (6010)
21404	MW 1	2	V	X					X		X			11-4 1999	1200	X											
21405	MW 2	2	V	X					X		X			11-4	0958												
21406	MW 3	2	V	X					X		X			11-4	1039												
21407	MW 4	5	V 0.5 1 L	X					X	X	X			11-4	1110							X		X	X	X	X

Relinquished by:	Date:	Times:	Received by:
Simon Casas	11-6-99		
Relinquished by:	Date:	Times:	Received by:
Dan Dutton	6 Nov 99	1308	J. McCreary
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS
Mail result to K. Dutton

Invoice : Lennah Frost PO# 1015m

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ETGI
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760(Ken Dutton)

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT 1015C
Project Name: TNM 97-16
Project Location: Lea County, N.M.

Sampling Date: 11/04/99
Receiving Date: 11/06/99
Analysis Date: 11/06/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
21404	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
21405	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001
21406	MW-3	<0.001	<0.001	<0.001	<0.001	<0.001
21407	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	105	101	102	103	102
	% EA	103	98	98	99	98
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021,5030

Raland K. Tuttle

11-17-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: eot 1015c
Project Name: Tnm 97-16
Project Location: Lea County,N.M.

Sampling Date: 11/04/99
Receiving Date: 11/06/99
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
21407	MW-4	474	239	0	175	1114
	QUALITY CONTROL	44.3	4874	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	89	97	*	*	*
	ANALYSIS DATE	11/12/99	11/15/99	11/12/99	11/12/99	11/12/99

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

11-16-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1015C
Project Name: TNM 97-16
Project Location: Lea County, N.M.
Field Code: MW-4

Sampling Date: 11/04/99
Receiving Date: 11/06/99
Extraction Date: 11/10/99
Analysis Date: 11/13/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 21407	RPD	%EA	%IA
Naphthalene	0.005	ND			48
Acenaphthylene	0.005	ND			60
Acenaphthene	0.005	ND	17.14	57	62
Fluorene	0.005	ND			66
Phenanthrene	0.005	ND			72
Anthracene	0.005	ND			68
Fluoranthene	0.005	ND			72
Pyrene	0.005	ND	0.00	63	76
Benzo[a]anthracene	0.005	ND			74
Chrysene	0.005	ND			74
Benzo[b]fluoranthene	0.005	ND			54
Benzo[k]fluoranthene	0.005	ND			114
Benzo [a]pyrene	0.005	ND			70
Indeno[1,2,3-cd]pyrene	0.005	ND			72
Dibenz[a,h]anthracene	0.005	ND			74
Benzo[g,h,i]perylene	0.005	ND			74

	% RECOVERY
Nitrobenzene-d5 SURR	52
2-Fluorobiphenyl SURR	51
Terphenyl-d14 SURR	58

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

11-16-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT 1015C
Project Name: TNM 97-16
Project Location: Lea County, N.M.

Sample Date: 11/04/99
Receiving Date: 11/06/99
Analysis Date: 11/12/99
Analysis Date: Hg 11/11/99

Analyte (mg/L)	MW-4 21407	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	29.10	0.0500	*	*	<0.0500	*
Arsenic	0.0160	0.0050	104	108	<0.0050	1.87
Barium	0.9630	0.0100	96	97	<0.0100	0.50
Beryllium	ND	0.0040	102	104	<0.0040	0.00
Cadmium	ND	0.0010	96	98	<0.0010	0.00
Calcium	228.0	1.000	101	*	<1.000	3.95
Chromium	0.0390	0.0050	94	97	<0.0050	0.52
Cobalt	ND	0.0200	97	98	<0.0200	0.82
Copper	0.0100	0.0100	96	98	<0.0100	0.41
Iron	25.50	0.0500	103	8	<0.0500	42.21
Lead	0.0130	0.0030	98	94	<0.0030	0.00
Magnesium	67.90	1.000	99	*	<1.000	5.42
Manganese	0.3070	0.0150	94	94	<0.0150	1.62
Mercury	ND	0.00020	101	98	<0.00020	13.04
Molybdenum	ND	0.050	8	*	<0.050	*
Nickel	0.0260	0.0100	95	94	<0.0100	1.24
Potassium	22.60	1.000	81	*	<1.000	15.75
Selenium	0.0200	0.0050	106	110	<0.0050	3.70
Silver	ND	0.0050	94	96	<0.0050	2.11
Sodium	372.0	1.000	112	*	<1.000	1.86
Tin	ND	0.0500	*	*	<0.0500	*
Vanadium	0.2510	0.0200	96	97	<0.0200	0.41
Zinc	0.0510	0.0200	91	94	<0.0200	0.00
Boron	0.562	0.050	*	*	<0.050	*
Strontium	2.11	0.050	*	*	<0.050	*

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

11-16-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: TNM 97-16
Project Name: None Given
Project Location: Lea Co., N.M.

Sampling Date: 09/28/99
Receiving Date: 09/28/99
Analysis Date: BTEX 9/29/99

ELT#	FIELD CODE/SAMPLE DATE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
20401	South Windmill	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	95	91	89	91	90
	% EA	96	91	92	91	91
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020,5030

Raland K. Tuttle

10-1-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: TNM 97-16
Project Name: None Given
Project Location: Lea County, N.M.

Sampling Date: 09/28/99
Receiving Date: 09/28/99
Analysis Date: 09/30/99

ELT#	FIELD CODE	GRO C6-C10 (mg/L)	DRO >C10-C25 (mg/L)
20401	South Windmill	<0.5	<0.5
	%INSTRUMENT ACCURACY	102	101
	% EXTRACTION ACCURACY	106	114
	BLANK	<0.5	<0.5

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

10-1-99
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 022

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166

FAX #:

Company Name & Address: ETGI
P. O. BOX 4845 MIDLAND, TX 79704

Project #: TNM 97-16

Project Name: —

Project Location: LEA COUNTY, NM

Sampler Signature: Ken Dutton

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
20401	SOUTH WINDMILL	3	V, 5	X					X		X			9-28	0950	X								X

Relinquished by:	Date:	Times:	Received by:
Ken Dutton	28 SEP 99	1:00 PM	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS: MAIL RESULTS
KEN DUTTON
1606 W. CALLE SUR, APT B
HOBBS, NM 88240-4985

INVOICE: LINDAN FROST PO # 1015M

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: TNM 97-16
Project Name: None Given
Project Location: Lea Co., N.M.

Sampling Date: 09/28/99
Receiving Date: 09/28/99
Analysis Date: BTEX 9/29/99

ELT#	FIELD CODE/SAMPLE DATE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
20401	South Windmill	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	95	91	89	91	90
	% EA	96	91	92	91	91
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020,5030

Raland K. Tuttle

10-1-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: TNM 97-16
Project Name: None Given
Project Location: Lea County, N.M.

Sampling Date: 09/28/99
Receiving Date: 09/28/99
Analysis Date: 09/30/99

ELT#	FIELD CODE	GRO C6-C10 (mg/L)	DRO >C10-C25 (mg/L)
20401	South Windmill	<0.5	<0.5
	%INSTRUMENT ACCURACY	102	101
	% EXTRACTION ACCURACY	106	114
	BLANK	<0.5	<0.5

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

10-1-99
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: Ø22

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166

FAX #:

Company Name & Address: ETGI
P.O. BOX 4845 MIDLAND, TX 79704

Project #: TNM 97-16

Project Name: —

Project Location: LEA COUNTY, NM

Sampler Signature: [signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE 1999	TIME	BTEX 8020/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
20401	SOUTH WINDMILL	3	V, .5	X					X		X			9-28	0950	X								X

Relinquished by:	Date:	Times:	Received by:
[signature]	28 SEP 99	1:00 PM	[signature]
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS: MAIL RESULTS
KEN DUTTON
1606 W. CALLE SUR, APT B
HOBBS, NM 88240-0985

INVOICE: LINNAN TRUST DO# 1015A