AP - 36

ANNUAL MONITORING REPORT

YEAR(S):

1999 - 2002

ANNUAL MONITORING REPORT

recd 3/28/03

IR 139

EOTT ENERGY, LLC
TNM 97-23
LEA COUNTY, NEW MEXICO
NE ¼ NE ¼ SECTION 14, TOWNSHIP 22 SOUTH, RANGE 37 EAST
NW ¼ NE ¼ SECTION 14, TOWNSHIP 22 SOUTH, RANGE 37 EAST

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

Robert B Eidson
Geologist / Senior Project Manager

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 quarterly events in calendar year 2002 to assess the levels and extent of dissolved phase and phase-separated petroleum 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. Monitor well MW-4 was not gauged or sampled during the quarterly monitoring events conducted on-site during 2002 because on-site excavation activities rendered this well inaccessible. Dissolved phase benzene concentrations recorded from groundwater samples collected from monitor well MW-4 have historically exceeded the recommended regulatory concentrations. For this reason, the highest concentration registered from analytical results generated during the previous annual reporting period is included on Figure 3.

FIELD ACTIVITIES

The site monitor wells were gauged and sampled on January 28, May 21, September 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 a disposable Teflon sampler. Water samples were collected in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by 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 Figures 2 and 3, the Inferred 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, indicated a general gradient of 0.003 ft./ft. to the southeast as measured between groundwater monitor wells MW-2 and MW-3. The depth to groundwater, as measured from the top of the well casing, ranged between 58.64 to 62.17 feet below grade surface in 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 SW846-8260b. Cumulative groundwater chemistry data is provided as Table 2 and copies of the Laboratory Reports are provided as Appendix A. Groundwater sampling results, which exceeded regulatory standards for benzene, are indicated on Figure 3, the NMOCD Site Map (see paragraph 2 of the Introduction section).

Laboratory results obtained from analysis of the groundwater samples collected from monitor wells MW-1, MW-2, MW-3 and MW-5 during this annual period indicated that the benzene and BTEX constituent concentrations were below regulatory standards.

SUMMARY

This report presents the results of groundwater 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 on the site 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 0.003 ft./ft. to the southeast as measured between groundwater monitor wells MW-2 and MW-3.

Laboratory results obtained from analysis of the groundwater samples collected from monitor wells MW-1, MW-2, MW-3 and MW-5 during this annual period indicated that the benzene and BTEX constituent concentrations were below regulatory standards. Monitor well MW-4 was not gauged or sampled during the quarterly monitoring events conducted on-site during 2002 because on-site excavation activities rendered this well inaccessible. Dissolved phase benzene concentrations recorded from groundwater samples collected from this monitor well, MW-4, have historically exceeded the recommended regulatory concentrations. For this reason, the highest concentration registered from analytical results generated during the previous annual reporting period is included on Figure 3.

DISTRIBUTION

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Midland, Texas 79703

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Hobbs, New Mexico 88240

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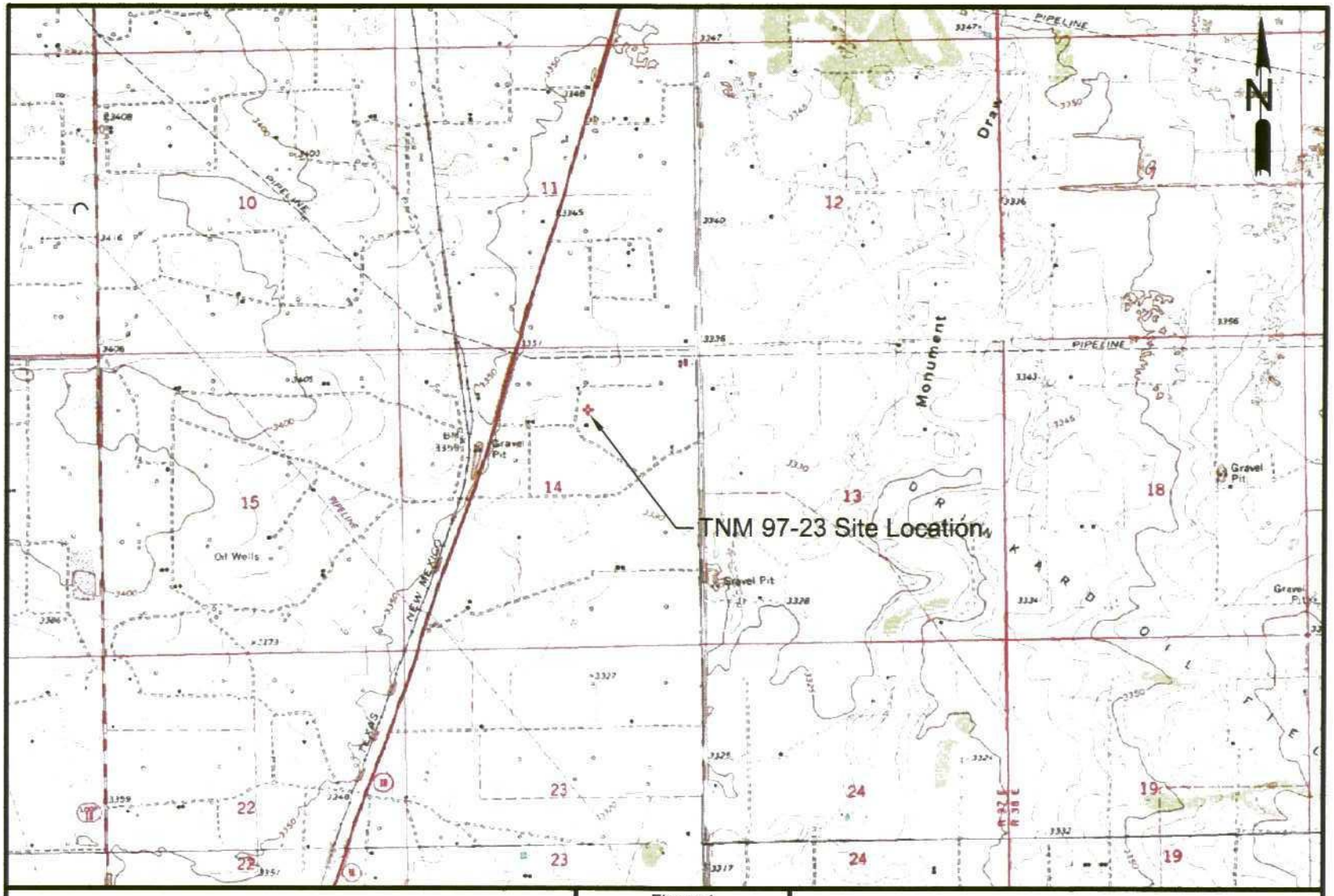
C. Reynolds

Quality ~~Control~~ Review

FIGURES



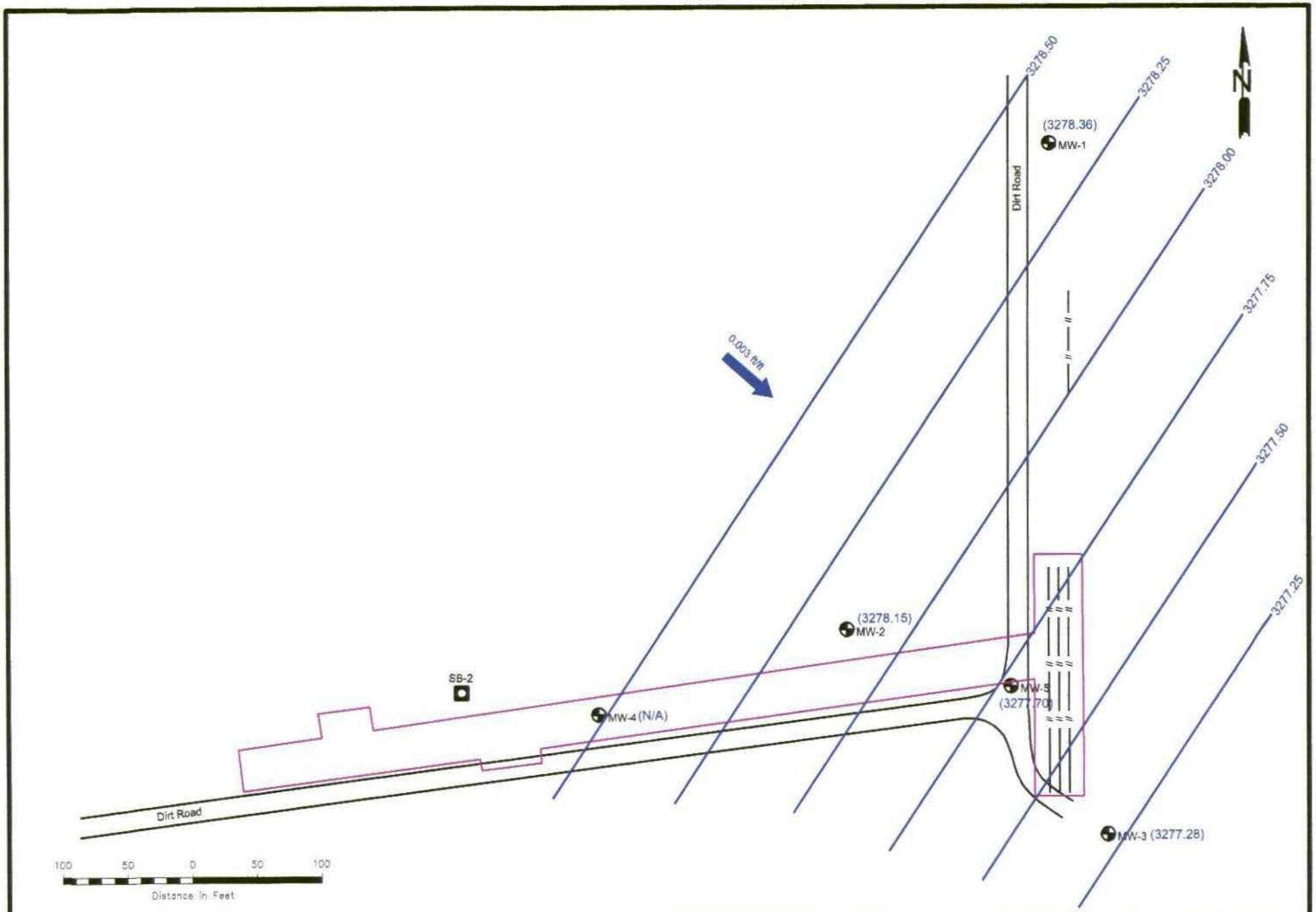
NW 1/4 NE 1/4 Sec 14 T22S R37E
NE 1/4 NE 1/4 Sec 14 T22S R37E
32° 23' 45.3" N 103° 07' 51.8" W

Figure 1
Site Location Map

EOTT Energy Corp.
TNM 97-23
Eunice, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: JDJ	Checked By: RE
March 11, 2003	ETGI Project #: EOT2010	



LEGEND:

NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E

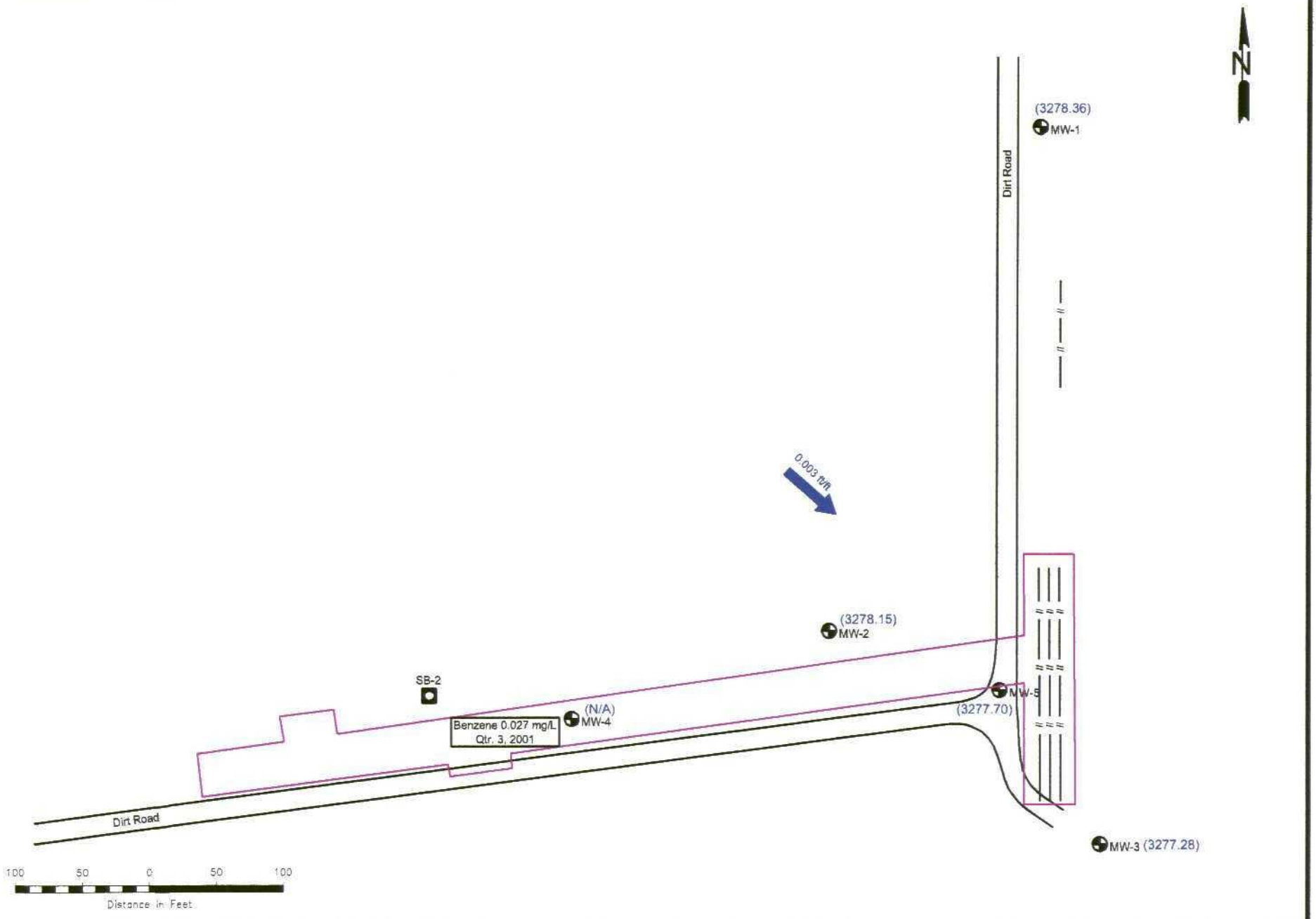
- Monitor Well Location
- ETGI Soil Boring
- 3278.50 Groundwater Gradient Contour Line
- Extent of Excavation
- Excavated Exposed Pipeline
- Groundwater Gradient Direction and Magnitude

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

EOTT Energy Corp.
TNM 97-23
Eunice, NM

Environmental Technology Group, Inc.

32° 23' 45.3N 103° 07' 51.8"W		
Scale: 1" = 100'	Prep By: JDJ	Checked By: RE
February 19, 2003	ETGI Project # EO2010	



LEGEND:

NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E

- Monitor Well Location
- ETGI Soil Boring
- Extent of Excavation
- Excavated Exposed Pipeline
- Groundwater Gradient Direction and Magnitude

Figure 3
NMOCD Site Map
12/16/02 Data

EOTT Energy Corp.
TNM 97-23
Eunice, NM

Environmental Technology Group, Inc.

32° 23' 45.3N 103° 07' 51.8"W

Scale: 1" = 100'	Prep By: JDJ	Checked By: RE
February 19, 2003	ETGI Project # EO2010	

TABLES

TABLE 1

GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97- 23
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2010

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	11/04/99	3,338.00	-	59.26	0.00	3278.74
	02/25/00	3,338.00	-	59.33	0.00	3,278.67
	06/06/00	3,338.00	-	59.36	0.00	3,278.64
	09/15/00	3,338.00	-	59.42	0.00	3,278.58
	11/30/00	3,338.00	-	59.44	0.00	3,278.56
	03/16/01	3,338.00	-	59.38	0.00	3,278.62
	06/04/01	3,338.00	-	59.39	0.00	3,278.61
	09/24/01	3,338.00	-	59.48	0.00	3,278.52
	10/30/01	3,338.00	-	59.45	0.00	3,278.55
	01/28/02	3,338.00	-	59.54	0.00	3,278.46
	05/21/02	3,338.00	-	59.57	0.00	3,278.43
	09/19/02	3,338.00	-	59.71	0.00	3,278.29
	12/16/02	3,338.00	-	59.64	0.00	3,278.36
MW - 2	02/25/00	3,336.79	-	58.57	0.00	3,278.22
	06/06/00	3,336.79	-	58.60	0.00	3,278.19
	09/15/00	3,336.79	-	58.66	0.00	3,278.13
	11/30/00	3,336.79	-	58.66	0.00	3,278.13
	03/16/01	3,336.79	-	58.62	0.00	3,278.17
	06/04/01	3,336.79	-	58.63	0.00	3,278.16
	09/24/01	3,336.79	-	58.61	0.00	3,278.18
	10/30/01	3,336.79	-	58.72	0.00	3,278.07
	01/28/02	3,336.79	-	58.74	0.00	3,278.05
	05/21/02	3,336.79	-	58.78	0.00	3,278.01
	09/19/02	3,336.79	-	58.70	0.00	3,278.09
	12/16/02	3,336.79	-	58.64	0.00	3,278.15

TABLE 1

GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97- 23
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2010

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

TABLE 1

GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97- 23
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2010

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

* Inaccessible due to excavation

TABLE 2

GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
TNM 97-23
LEA COUNTY, NM
ETGI Project # EO 2010

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	Method: 8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 1	01/13/00	<0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	<0.001
	06/06/00	<0.001	<0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001
	03/16/01	<0.001	<0.001	<0.001	<0.002
	06/04/01	<0.005	0.02	0.02	0.198
	09/24/01	<0.001	<0.001	<0.001	<0.002
	10/30/01	<0.001	<0.001	<0.001	<0.002
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.002
	09/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001
MW - 2	02/25/00	0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	<0.001
	06/06/00	0.005	0.003	<0.001	0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001
	11/30/00	0.012	0.004	<0.001	0.002
	03/16/01	0.002	<0.001	<0.001	<0.002
	06/04/01	0.009	<0.005	<0.005	<0.005
	09/24/01	0.003	<0.001	<0.001	<0.002
	10/30/01	0.002	<0.001	<0.001	<0.002
	01/28/02	0.004	<0.001	<0.001	<0.001
	05/21/02	0.006	0.001	<0.001	0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	0.005	<0.001	<0.001	<0.001
MW - 3	02/25/00	0.003	0.002	<0.001	<0.001
	05/18/00	0.001	<0.001	<0.001	<0.001
	06/06/00	<0.001	<0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001
	03/16/01	0.002	<0.001	<0.001	<0.002
	06/04/01	0.009	<0.005	<0.005	<0.005
	09/24/01	<0.001	<0.001	<0.001	<0.002
	10/30/01	<0.001	<0.001	<0.001	<0.002
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	0.002	<0.001	<0.001	<0.001

TABLE 2

GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
TNM 97-23
LEA COUNTY, NM
ETGI Project # EO 2010

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	Method: 8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 4	02/25/00	0.012	0.007	0.001	0.005
	05/18/00	<0.001	<0.001	<0.001	<0.001
	06/06/00	0.022	0.015	0.003	0.009
	09/15/00	0.018	0.008	<0.001	<0.001
	11/30/00	0.041	0.027	0.005	0.015
	03/16/01	0.023	0.013	0.002	0.006
	06/04/01	0.015	0.02	<0.005	<0.005
	09/24/01	0.027	0.016	0.003	0.01
	10/30/01	0.018	0.011	0.001	0.005
	01/28/02	NA	NA	NA	NA
	05/21/02	NA	NA	NA	NA
	09/19/02	NA	NA	NA	NA
	12/16/02	NA	NA	NA	NA
MW - 5	02/25/00	0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	0.002
	06/06/00	0.002	0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001
	03/16/01	<0.001	<0.001	<0.001	<0.002
	06/04/01	<0.005	<0.005	<0.005	<0.005
	09/24/01	<0.001	<0.001	<0.001	<0.002
	10/30/01	<0.001	<0.001	<0.001	<0.002
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001
EB - 1	09/15/00	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001
	09/24/01	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001

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

APPENDICES

Appendix A

Laboratory Reports

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: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

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

Report#/Lab ID#: 125228 **Report Date:** 02/05/02
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 1
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:18
Date Sampled: 01/28/2002 **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	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.6	108.1	115	96.6
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.4	102.9	106.8	101
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.5	113.9	117.9	111.1
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	2	102.5	106.6	100
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	0.7	98.5	111	83.8

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 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.

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:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 1	**Report#/Lab ID#:** 125228 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.9	80-120	---
Toluene-d8	8260b	101	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: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

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

Report#/Lab ID#: 125229 **Report Date:** 02/05/02
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 2
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:18
Date Sampled: 01/28/2002 **Time:** 15:45

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	3.79	µg/L	1	<1	02/01/02	8260b	---	0.6	108.1	115	96.6
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.4	102.9	106.8	101
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.5	113.9	117.9	111.1
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	2	102.5	106.6	100
Toluene	<1	µg/L	1	<1	02/01/02	8260b	J	0.7	98.5	111	83.8

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 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.

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:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 2	**Report#/Lab ID#:** 125229 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	84.6	80-120	---
Toluene-d8	8260b	103	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125229 **Matrix:** water
Client: Environmental Tech Group **Attn:** Matina Smith
Project ID: TNM 97-23 EOT 2010C
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
Toluene	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: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

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

Report#/Lab ID#: 125230 **Report Date:** 02/05/02
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 3
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:18
Date Sampled: 01/28/2002 **Time:** 16:19

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	J	0.6	108.1	115	96.6
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.4	102.9	106.8	101
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.5	113.9	117.9	111.1
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	2	102.5	106.6	100
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	0.7	98.5	111	83.8

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 Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 3	**Report#/Lab ID#:** 125230 **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	101	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125230 **Matrix:** water
Client: Environmental Tech Group **Attn:** Matina Smith
Project ID: TNM 97-23 EOT 2010C
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).

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☐ Sample received in appropriate container(s). State of sample preservation unknown.
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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.

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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: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

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

Report#/Lab ID#: 125231 **Report Date:** 02/05/02
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 5
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:18
Date Sampled: 01/28/2002 **Time:** 16:40

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	---	0.6	108.1	115	96.6
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.4	102.9	106.8	101
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.5	113.9	117.9	111.1
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	2	102.5	106.6	100
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	0.7	98.5	111	83.8

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 5	**Report#/Lab ID#:** 125231 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.4	80-120	---
Toluene-d8	8260b	98.6	88-110	---

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

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Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

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

Report#/Lab ID#: 125232 **Report Date:** 02/05/02
Project ID: TNM 97-23 EOT 2010C
Sample Name: EB 1
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:18
Date Sampled: 01/28/2002 **Time:** 17:00

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	---	0.6	108.1	115	96.6
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.4	102.9	106.8	101
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.5	113.9	117.9	111.1
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	2	102.5	106.6	100
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	0.7	98.5	111	83.8

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.

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Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** EB 1	**Report#/Lab ID#:** 125232 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.3	80-120	---
Toluene-d8	8260b	101	88-110	---

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

COC: 012

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: Marina Smith
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 97-23 Sampler: Susan Cass
EOT 2010c

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	1600	2		X		125228	X	
MW 2		1545					125229		
MW 3		1619					125230		
MW 5		1640					125231		
EB 1		1700					125232		

(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
Susan Cass	EOTT	1/30/02	1200	E. Lee	ASI	2-1-02	10:18

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

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: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

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

Report#/Lab ID#: 130180 **Report Date:** 06/04/02
Project ID: TNM-97-23 EOT 2010C
Sample Name: MW 1
Sample Matrix: water
Date Received: 05/31/2002 **Time:** 09:40
Date Sampled: 05/21/2002 **Time:** 15:37

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	---		---		06/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/01/02	8260b	---	3.4	89.5	93.7	90.6
Ethylbenzene	<1	µg/L	1	<1	06/01/02	8260b	---	1.2	99.3	99.1	100
m,p-Xylenes	<1	µg/L	1	<1	06/01/02	8260b	---	2.4	98.8	99.9	100
o-Xylene	<1	µg/L	1	<1	06/01/02	8260b	---	1.9	99	98.9	99.2
Toluene	<1	µg/L	1	<1	06/01/02	8260b	---	4.4	92.6	95.8	94.6

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,

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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:** Ken Dutton	**Project ID:** TNM-97-23 EOT 2010C **Sample Name:** MW 1	**Report#/Lab ID#:** 130180 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.8	80-120	---
Toluene-d8	8260b	101	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: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

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

Report#/Lab ID#: 130181 **Report Date:** 06/04/02
Project ID: TNM-97-23 EOT 2010C
Sample Name: MW 2
Sample Matrix: water
Date Received: 05/31/2002 **Time:** 09:40
Date Sampled: 05/21/2002 **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	---		---		06/01/02	8260b	---	---	---	---	---
Benzene	5.81	µg/L	1	<1	06/01/02	8260b	---	3.4	89.5	93.7	90.6
Ethylbenzene	<1	µg/L	1	<1	06/01/02	8260b	---	1.2	99.3	99.1	100
m,p-Xylenes	1.25	µg/L	1	<1	06/01/02	8260b	---	2.4	98.8	99.9	100
o-Xylene	<1	µg/L	1	<1	06/01/02	8260b	J	1.9	99	98.9	99.2
Toluene	1.39	µg/L	1	<1	06/01/02	8260b	---	4.4	92.6	95.8	94.6

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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-97-23 EOT 2010C **Sample Name:** MW 2	**Report#/Lab ID#:** 130181 **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	102	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 130181 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: TNM-97-23 EOT 2010C
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).

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- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
o-Xylene	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: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

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

Report#/Lab ID#: 130182 **Report Date:** 06/04/02
Project ID: TNM-97-23 EOT 2010C
Sample Name: MW 3
Sample Matrix: water
Date Received: 05/31/2002 **Time:** 09:40
Date Sampled: 05/21/2002 **Time:** 14:15

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	---		---		06/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/01/02	8260b	---	3.4	89.5	93.7	90.6
Ethylbenzene	<1	µg/L	1	<1	06/01/02	8260b	---	1.2	99.3	99.1	100
m,p-Xylenes	<1	µg/L	1	<1	06/01/02	8260b	---	2.4	98.8	99.9	100
o-Xylene	<1	µg/L	1	<1	06/01/02	8260b	---	1.9	99	98.9	99.2
Toluene	<1	µg/L	1	<1	06/01/02	8260b	---	4.4	92.6	95.8	94.6

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.

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-97-23 EOT 2010C **Sample Name:** MW 3	**Report#/Lab ID#:** 130182 **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	101	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#: 130183 **Report Date:** 06/04/02
Project ID: TNM-97-23 EOT 2010C
Sample Name: MW 5
Sample Matrix: water
Date Received: 05/31/2002 **Time:** 09:40
Date Sampled: 05/21/2002 **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	---		---		06/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/01/02	8260b	---	3.4	89.5	93.7	90.6
Ethylbenzene	<1	µg/L	1	<1	06/01/02	8260b	---	1.2	99.3	99.1	100
m,p-Xylenes	<1	µg/L	1	<1	06/01/02	8260b	---	2.4	98.8	99.9	100
o-Xylene	<1	µg/L	1	<1	06/01/02	8260b	---	1.9	99	98.9	99.2
Toluene	<1	µg/L	1	<1	06/01/02	8260b	---	4.4	92.6	95.8	94.6

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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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-97-23 EOT 2010C **Sample Name:** MW 5	**Report#/Lab ID#:** 130183 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	103	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#: 130184 **Report Date:** 06/04/02
Project ID: TNM-97-23 EOT 2010C
Sample Name: EB 1
Sample Matrix: water
Date Received: 05/31/2002 **Time:** 09:40
Date Sampled: 05/21/2002 **Time:** 16:15

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	---		---		06/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/01/02	8260b	---	3.4	89.5	93.7	90.6
Ethylbenzene	<1	µg/L	1	<1	06/01/02	8260b	---	1.2	99.3	99.1	100
m,p-Xylenes	<1	µg/L	1	<1	06/01/02	8260b	---	2.4	98.8	99.9	100
o-Xylene	<1	µg/L	1	<1	06/01/02	8260b	---	1.9	99	98.9	99.2
Toluene	<1	µg/L	1	<1	06/01/02	8260b	---	4.4	92.6	95.8	94.6

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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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM-97-23 EOT 2010C **Sample Name:** EB 1	**Report#/Lab ID#:** 130184 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.1	80-120	---
Toluene-d8	8260b	100	88-110	---

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

COC #83

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 ETGI
Address 2540 W MARLAND
City HOBBS State NM Zip 88240
ATTN: KEN DUTTON
Phone (505) 397-4182 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 97-23 EOT 2010C Sampler: Simon Casas

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	5/21/02	1537	4 2		X		130180	X	
MW 2		1500					130181		
MW 3		1415					130182		
MW 5		1600					130183		
EB 1		1615					130184		

(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 Pollutant 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	5/30/02	1600	Melanie Humphrey	ASI	5/31/02	0940

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

ANALYSYS INC.

FILE

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#: 134051 **Report Date:** 10/02/02
Project ID: TNM 97 - 23 EOT 2010
Sample Name: MW 1
Sample Matrix: water
Date Received: 09/25/2002 **Time:** 09:45
Date Sampled: 09/19/2002 **Time:** 09:15

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	---		---		09/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/27/02	8260b	---	11.6	112.9	99.7	128.9
Ethylbenzene	<1	µg/L	1	<1	09/27/02	8260b	---	5.8	102.4	104.4	102.5
m,p-Xylenes	<1	µg/L	1	<1	09/27/02	8260b	---	4.5	96.6	100.3	98.2
o-Xylene	<1	µg/L	1	<1	09/27/02	8260b	---	3.1	96.2	100.6	98.3
Toluene	<1	µg/L	1	<1	09/27/02	8260b	---	9.9	89.8	100.4	98

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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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97 - 23 EOT 2010 **Sample Name:** MW 1	**Report#/Lab ID#:** 134051 **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	96.2	88-110	---

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

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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#: 134052 **Report Date:** 10/02/02
Project ID: TNM 97 - 23 EOT 2010
Sample Name: MW 2
Sample Matrix: water
Date Received: 09/25/2002 **Time:** 09:45
Date Sampled: 09/19/2002 **Time:** 09:43

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	---		---		09/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/27/02	8260b	---	11.6	112.9	99.7	128.9
Ethylbenzene	<1	µg/L	1	<1	09/27/02	8260b	---	5.8	102.4	104.4	102.5
m,p-Xylenes	<1	µg/L	1	<1	09/27/02	8260b	---	4.5	96.6	100.3	98.2
o-Xylene	<1	µg/L	1	<1	09/27/02	8260b	---	3.1	96.2	100.6	98.3
Toluene	<1	µg/L	1	<1	09/27/02	8260b	---	9.9	89.8	100.4	98

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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	**Project ID:** TNM 97 - 23 EOT 2010 **Sample Name:** MW 2	**Report#/Lab ID#:** 134052 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	94.7	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#: 134053 **Report Date:** 10/02/02
Project ID: TNM 97 - 23 EOT 2010
Sample Name: MW 3
Sample Matrix: water
Date Received: 09/25/2002 **Time:** 09:45
Date Sampled: 09/19/2002 **Time:** 10:30

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	---		---		09/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/27/02	8260b	---	11.6	112.9	99.7	128.9
Ethylbenzene	<1	µg/L	1	<1	09/27/02	8260b	---	5.8	102.4	104.4	102.5
m,p-Xylenes	<1	µg/L	1	<1	09/27/02	8260b	---	4.5	96.6	100.3	98.2
o-Xylene	<1	µg/L	1	<1	09/27/02	8260b	---	3.1	96.2	100.6	98.3
Toluene	<1	µg/L	1	<1	09/27/02	8260b	---	9.9	89.8	100.4	98

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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	**Project ID:** TNM 97 - 23 EOT 2010 **Sample Name:** MW 3	**Report#/Lab ID#:** 134053 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.1	80-120	---
Toluene-d8	8260b	96.8	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: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

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

Report#/Lab ID#: 134054 **Report Date:** 10/02/02
Project ID: TNM 97 - 23 EOT 2010
Sample Name: MW 5
Sample Matrix: water
Date Received: 09/25/2002 **Time:** 09:45
Date Sampled: 09/19/2002 **Time:** 10:10

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	---		---		09/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/27/02	8260b	---	11.6	112.9	99.7	128.9
Ethylbenzene	<1	µg/L	1	<1	09/27/02	8260b	---	5.8	102.4	104.4	102.5
m,p-Xylenes	<1	µg/L	1	<1	09/27/02	8260b	---	4.5	96.6	100.3	98.2
o-Xylene	<1	µg/L	1	<1	09/27/02	8260b	---	3.1	96.2	100.6	98.3
Toluene	<1	µg/L	1	<1	09/27/02	8260b	---	9.9	89.8	100.4	98

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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:** Ken Dutton	**Project ID:** TNM 97 - 23 EOT 2010 **Sample Name:** MW 5	**Report#/Lab ID#:** 134054 **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	96.5	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#: 134055 **Report Date:** 10/02/02
Project ID: TNM 97 - 23 EOT 2010
Sample Name: EB 1
Sample Matrix: water
Date Received: 09/25/2002 **Time:** 09:45
Date Sampled: 09/19/2002 **Time:** 10:40

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	---		---		09/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/27/02	8260b	---	11.6	112.9	99.7	128.9
Ethylbenzene	<1	µg/L	1	<1	09/27/02	8260b	---	5.8	102.4	104.4	102.5
m,p-Xylenes	<1	µg/L	1	<1	09/27/02	8260b	---	4.5	96.6	100.3	98.2
o-Xylene	<1	µg/L	1	<1	09/27/02	8260b	---	3.1	96.2	100.6	98.3
Toluene	<1	µg/L	1	<1	09/27/02	8260b	---	9.9	89.8	100.4	98

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 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 - 23 EOT 2010 **Sample Name:** EB 1	**Report#/Lab ID#:** 134055 **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	96.9	88-110	---

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

COC: 168

AnalySys Inc.

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

CHAIN-OF-CUSTODY

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 97-23 EOT-2010 Sampler: Marcelo Campo

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	9-19-02	0915	2		X		134051	X								
mw 2	↓	0943	↓		↓		134052	↓								
mw 3	↓	1030	↓		↓		134053	↓								
mw 5	↓	1010	↓		↓		134054	↓								
EB-1	↓	1040	↓		↓		134055	↓								

(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 practical quantitation limits (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 Pollutant lists at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 2.5°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Marcelo Campo	E.T.G.I.	9-24-02	1030	Melanie Humphrey	ASI	9/25/02	0945

[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: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 137516 **Report Date:** 12/26/02
Project ID: TNM 97-23 EO 2010
Sample Name: MW 1
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 13:48

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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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:** Robert Edison	**Project ID:** TNM 97-23 EO 2010 **Sample Name:** MW 1	**Report#/Lab ID#:** 137516 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85	80-120	---
Toluene-d8	8260b	98.9	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: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 137517 **Report Date:** 12/26/02
Project ID: TNM 97-23 EO 2010
Sample Name: MW 2
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 14:13

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	**5.15**	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	J	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/20/02	8260b	J	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

Richard Laster

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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	**Project ID:** TNM 97-23 EO 2010	**Report#/Lab ID#:** 137517
Attn: Robert Edison	**Sample Name:** MW 2	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.1	80-120	---
Toluene-d8	8260b	97.7	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 137517 **Matrix:** water
Client: Environmental Tech Group **Attn:** Robert Edison
Project ID: TNM 97-23 EO 2010
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 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
m,p-Xylenes	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes: _____

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: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 137518 **Report Date:** 12/26/02
Project ID: TNM 97-23 EO 2010
Sample Name: MW 3
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 15:19

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	---		---		12/20/02	8260b	---	---	---	---	---
Benzene	2.26	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

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:** Robert Edison	**Project ID:** TNM 97-23 EO 2010 **Sample Name:** MW 3	**Report#/Lab ID#:** 137518 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86.1	80-120	---
Toluene-d8	8260b	96.4	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 137518 **Matrix:** water
Client: Environmental Tech Group **Attn:** Robert Edison
Project ID: TNM 97-23 EO 2010
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

☒ 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.
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: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 137519 **Report Date:** 12/26/02
Project ID: TNM 97-23 EO 2010
Sample Name: MW 5
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 14:54

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:** Robert Edison	**Project ID:** TNM 97-23 EO 2010 **Sample Name:** MW 5	**Report#/Lab ID#:** 137519 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	82.7	80-120	---
Toluene-d8	8260b	99.2	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: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 137520 **Report Date:** 12/26/02
Project ID: TNM 97-23 EO 2010
Sample Name: EB 1
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 15:26

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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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:** Robert Edison	**Project ID:** TNM 97-23 EO 2010 **Sample Name:** EB 1	**Report#/Lab ID#:** 137520 **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	98	88-110	---

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

4655

CHAIN-OF-CUSTODY

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

Send Reports To:
Company Name E.T.G.I.
Address 2540 W. Marland
City Hobbs State NM Zip 88240
ATTN: Robert Elson
Phone 505-397-0510 Fax 505-397-4701

Bill to (if different): COC: 213
Company Name
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: Jim's 97-23 EO 2010 Sampler: Manuel 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 8260B	Comments
MW-1	12/14/02	1348	2		X		137516	X	
MW-2	"	1413	"		"		137517	"	
MW-3	"	1519	"		"		137518	"	
MW-5	"	1454	"		"		137519	"	
TRIP-1	"	1526	"		"		137520	"	

(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
Manuel Campos	E.T.G.I.	12/17/02	0934	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.]