1R - 388

REPORTS

DATE:

2003

1R-388

ANNUAL MONITORING REPORT

file ?

MAR 28 2003

EOTT ENERGY, LLC
MONUMENT BARBER 10" SOUR
LEA COUNTY, NEW MEXICO
SW ¼ SW ¼ SECTION 32, TOWNSHIP 19 SOUTH, RANGE 37 EAST

PK 5/8/03

PREPARED FOR:

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

PREPARED BY:

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
4600 W. WALL STREET
MIDLAND, TEXAS 79703

April 2003

Brenda Luse
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 to be viewed as a complete document with text, figures, tables, and appendices. The report presents the results of the quarterly groundwater monitoring events. 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 groundwater elevations, extent of dissolved phase and phase-separated petroleum hydrocarbon (PSH) constituents. The groundwater monitoring events consisted of measuring static water levels in the monitoring wells, checking for the presence of PSH, and the sampling of each well exhibiting sufficient recharge. Monitor or recovery wells containing measurable levels of PSH were not sampled.

FIELD ACTIVITIES

The site monitor and recovery wells were gauged and sampled on March 27, June 25, September 24, and December 19 of 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 to static water level 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 either Pate Trucking, Hobbs, New Mexico, or Vista Trucking, Eunice, New Mexico utilizing a licensed disposal facility (NMOCD AO SWD-730).

GROUNDWATER GRADIENT

A Groundwater Gradient Map depicting well locations as of December 19, 2002 is provided as Figure 2. 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 approximately 0.020 ft/ft to the southeast as measured between groundwater monitor wells MW-1 and MW-4. The depth to groundwater, as measured from the top of the well casing, ranged between 28.88 feet at monitor well MW-1 to 30.60 feet at MW-3 in the shallow alluvial aquifer.

A measurable thickness of PSH was detected in monitor well MW-3 during the March and December monitoring events. A maximum thickness of 0.14 feet in monitor well MW-3 was measured in March and 0.02 feet in December and is shown on Table 1. No PSH was recovered during this reporting period, due to site access restriction imposed by the landowner.

LABORATORY RESULTS

Groundwater samples collected during the sampling events were delivered to AnalySys, Inc. in Corpus Christi, Texas, for determination of Benzene, Toluene, Ethylbenzene and Total Xylene (BTEX) constituent concentrations by EPA Method SW846-8260B. The concentrations of TPH and BTEX in groundwater are provided as Table 2 and copies of the Laboratory Reports are provided as Appendix A. Groundwater samples which exceeded regulatory standards for benzene and BTEX concentrations are indicated on Figure 3, the NMOCD Site Map.

Laboratory results for site groundwater samples obtained during the calendar year 2002 monitoring period indicate that benzene and BTEX concentrations were below regulatory standards for monitor well MW-4. The benzene concentrations contained in the groundwater samples collected from monitor wells MW-1 and MW-2 were above regulatory standards, while the total BTEX concentrations contained in the groundwater samples from these wells were below regulatory standards.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 2002. A measurable thickness of PSH ranging from 0.02 feet in December to 0.14 feet in March was detected in monitor well MW-3. No PSH was recovered during this reporting period due to site access restriction imposed by the landowner.

Groundwater elevation contours generated from the final quarterly event of calendar year 2002 water level measurements indicate a general gradient of approximately 0.020 ft/ft to the southeast as measured between groundwater monitor wells MW-1 and MW-4.

Laboratory results for all of the site groundwater samples obtained during the calendar year 2002 monitoring period indicate that benzene and total BTEX concentrations were below regulatory standards for monitor well MW-4. The benzene concentrations contained in the groundwater samples collected from monitor wells MW-1 and MW-2 were above regulatory standards, while the total BTEX concentrations contained in the groundwater samples from these wells were below regulatory standards.

DISTRIBUTION

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Houston, Texas 77210-4666

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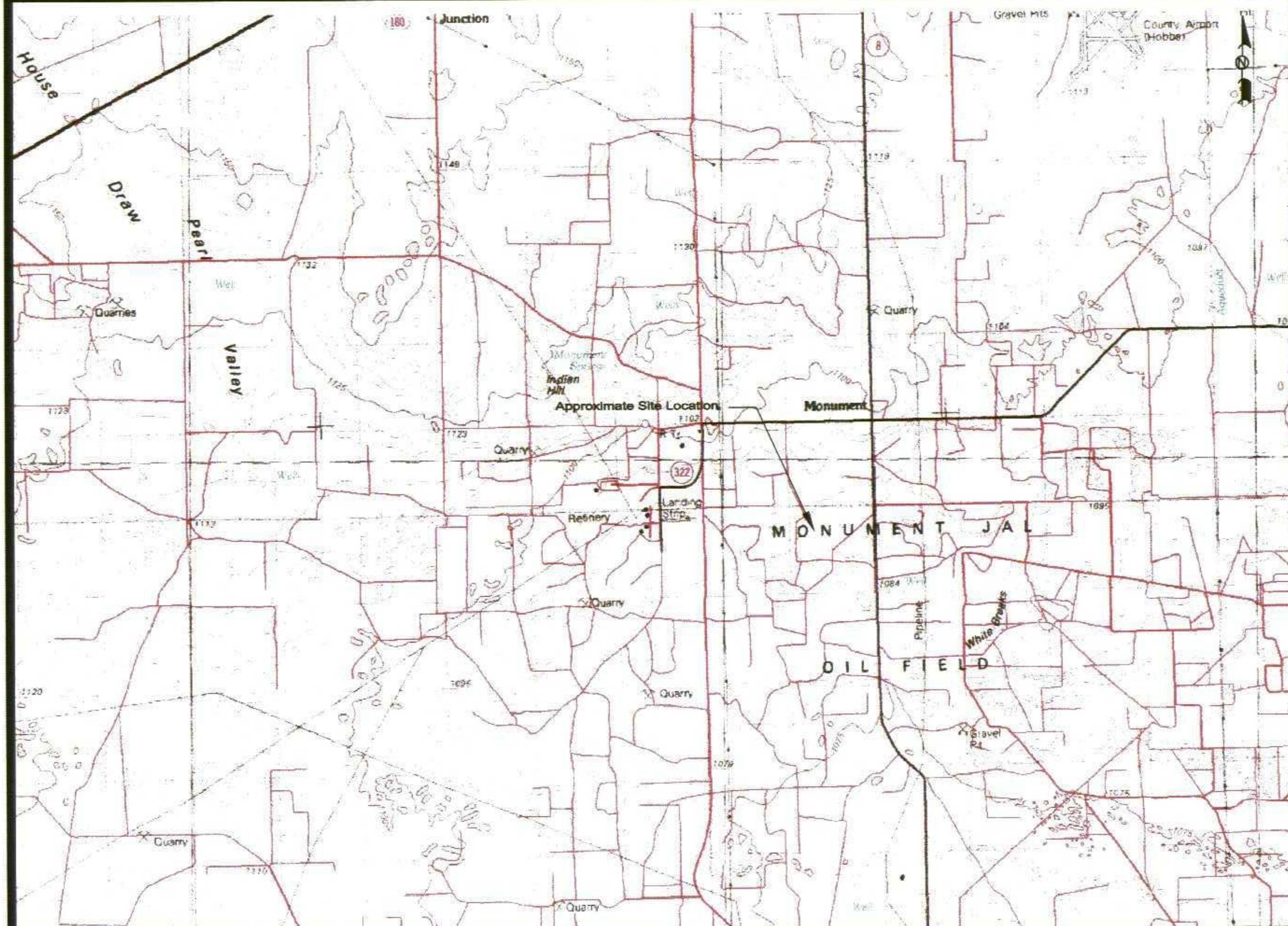
4600 West Wall Street
Midland, Texas 79703

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

Copy Number: 1

Quality Control Review

FIGURES



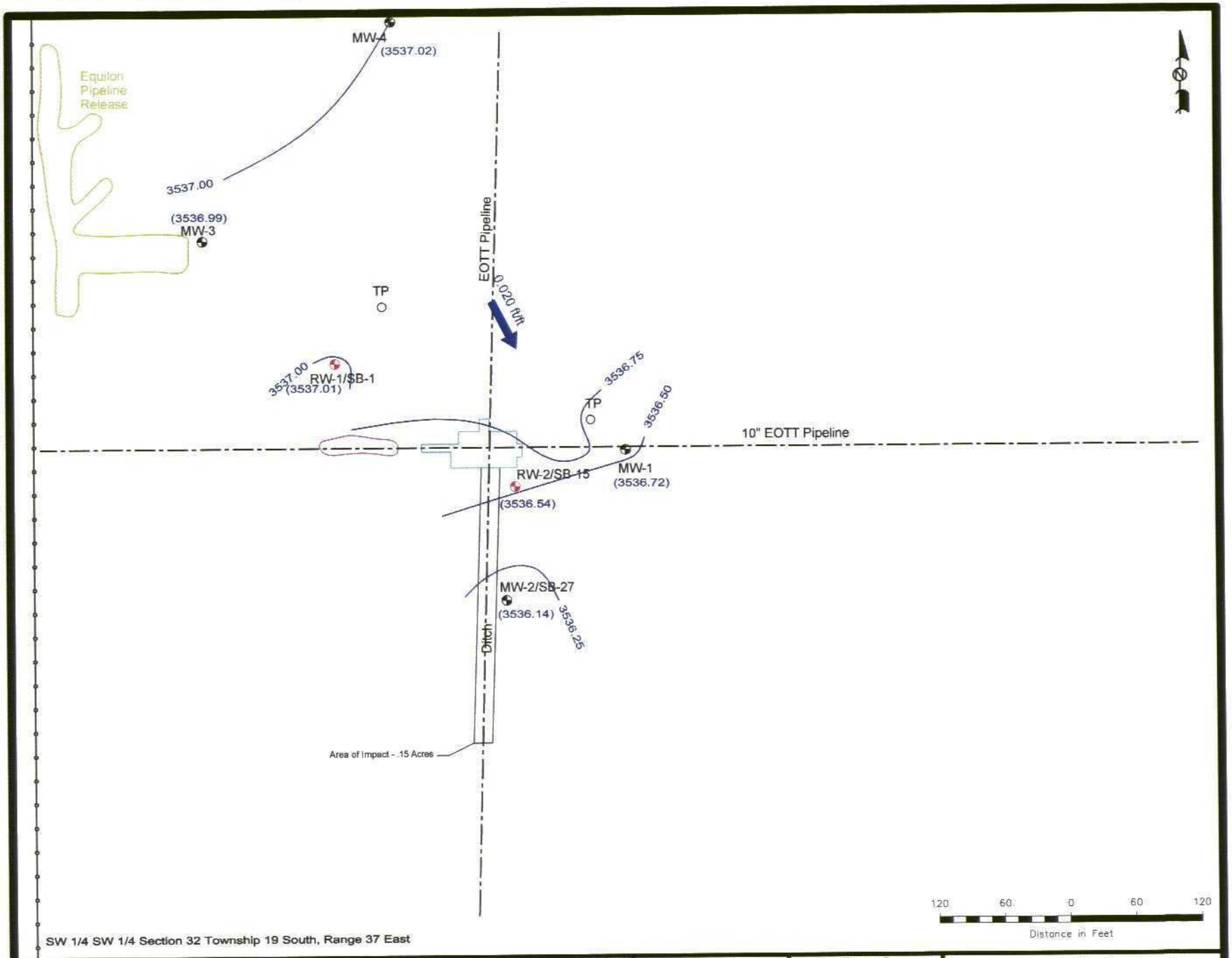
SW 1/4 SW 1/4 Section 32 Township 19 South, Range 37 East

Figure 1
Site Location Map

EOTT Energy, LLP
Monument 10" Sour
Monument, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: JDJ	Checked By: BA
March 17, 2003	ETGI Project # EOT 2069	


MW-4
(3537.02)
Equilon
Pipeline
Release
3537.00
(3536.99)
MW-3
TP
EOTT Pipeline
0.020 ft/ft
3537.00
(3537.01)
RW-1/SB-1
3536.75
TP
3536.50
10" EOTT Pipeline
RW-2/SB-15
(3536.54)
MW-1
(3536.72)
MW-2/SB-27
(3536.14)
3536.25
Ditch
Area of Impact - .15 Acres
120
60
0
60
120
Distance in Feet
SW 1/4 SW 1/4 Section 32 Township 19 South, Range 37 East
LEGEND:
Utility Pole
Monitoring Well Location
Recovery Well Location
Fence
Extent of Excavation
Extent of Stockpile
(3536.14) Groundwater Elevation in Feet
Groundwater Gradient Line
0.020 ft/ft
Groundwater Gradient Direction & Magnitude
E T G I
Figure 2
Groundwater Gradient
Map (12-19-02)
EOTT Energy, LLP
Monument 10" Sour
Monument, NM
Environmental Technology
Group, Inc.
Scale: 1" = 150'
Prep By: BN
Checked By: BA
March 17, 2003
ETGI Project # EOT 2069

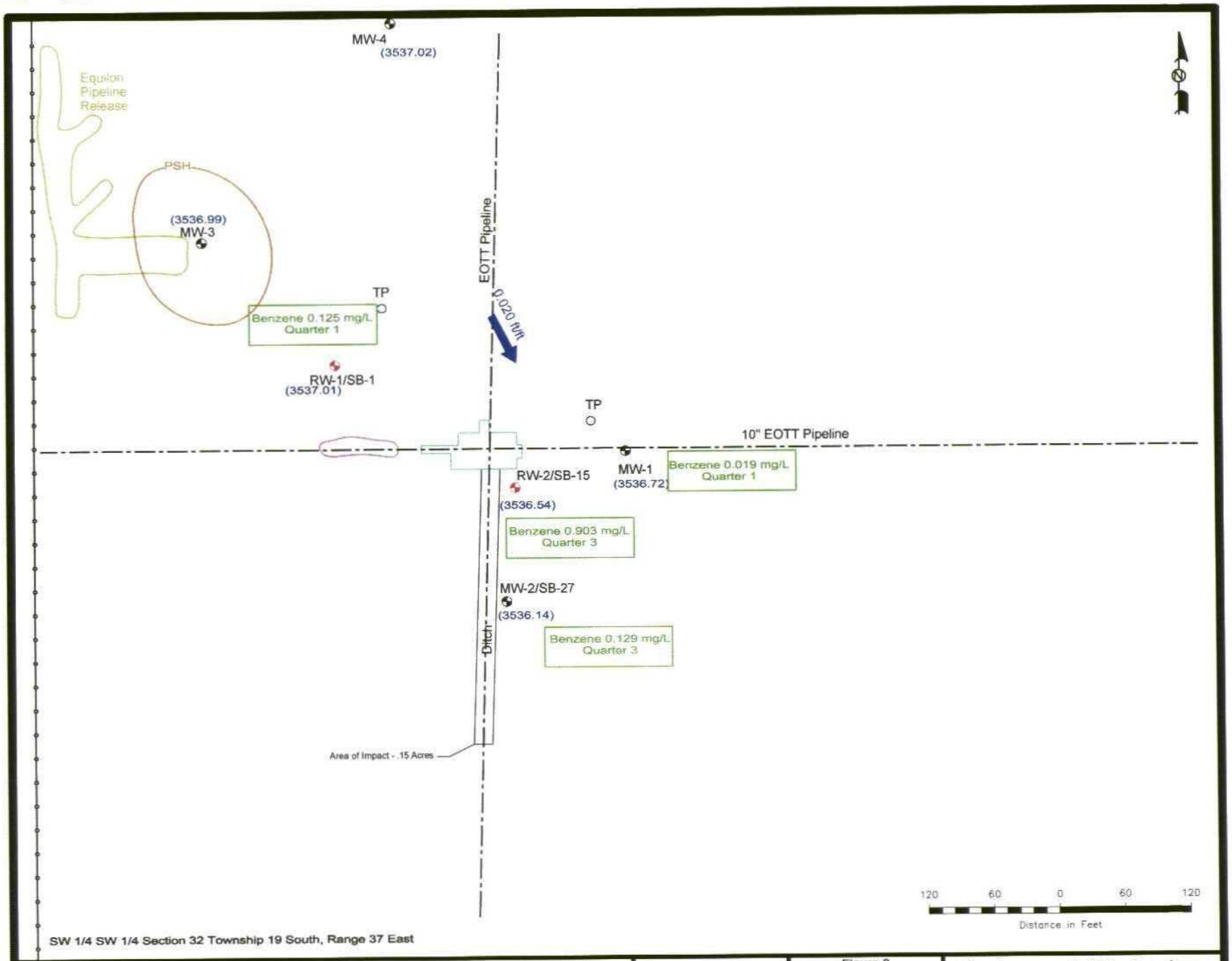


Figure 3
NMOCD Site Map
(12-19-02)
EOTT Energy, LLP
Monument 10" Sour
Monument, NM

Environmental Technology Group, Inc.

Scale: 1" = 150'	Prep By: BN	Checked By: BA
March 17, 2003	ETGI Project # EOT 2069	

TABLES

TABLE 1

GROUNDWATER ELEVATIONS

EOTT ENERGY, LLC
MONUMENT BARBER ESTATE 10" SOUR
LEA COUNTY, NEW MEXICO
ETGI PROJECT #: EOT2069

All measurements are in feet

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	03/16/01	3,565.64	ND	28.85	0.00	3,536.79
	06/04/01		ND	28.88	0.00	3,536.76
	09/27/01		ND	28.92	0.00	3,536.72
	03/27/02		ND	28.88	0.00	3,536.76
	06/25/02		ND	28.93	0.00	3,536.71
	09/24/02		ND	28.92	0.00	3,536.72
	12/19/02		ND	28.92	0.00	3,536.72
MW - 2	03/16/01	3,565.58	ND	29.39	0.00	3,536.19
	06/04/01		ND	29.38	0.00	3,536.20
	09/27/01		ND	29.55	0.00	3,536.03
	03/27/02		ND	29.59	0.00	3,535.99
	06/25/02		ND	29.58	0.00	3,536.00
	09/24/02		ND	29.51	0.00	3,536.07
	12/19/02		ND	29.44	0.00	3,536.14
	03/05/02		ND	29.47	0.00	3,536.11
MW - 3	03/16/01	3,567.44	30.40	30.42	0.02	3,537.04
	06/04/01		30.42	30.50	0.08	3,537.01
	09/27/01		30.45	30.46	0.01	3,536.99
	03/27/02		30.46	30.60	0.14	3,536.96
	06/25/02		30.45	30.45	0.00	3,536.99
	09/24/02		30.46	30.46	0.00	3,536.98
	12/19/02		30.45	30.47	0.02	3,536.99
	01/07/03		30.46	30.46	0.00	3,536.98
MW - 4	03/16/01	3,567.27	ND	30.20	0.00	3,537.07
	06/04/01		ND	30.20	0.00	3,537.07
	09/27/01		ND	30.24	0.00	3,537.03
	03/27/02		ND	30.24	0.00	3,537.03
	06/25/02		ND	30.23	0.00	3,537.04
	09/24/02		ND	30.19	0.00	3,537.08
	12/19/02		ND	30.25	0.00	3,537.02
RW - 1	03/16/01	3566.48	ND	29.42	0.00	3,537.06
	06/04/01		ND	29.35	0.00	3,537.13

GROUNDWATER ELEVATIONS

EOTT ENERGY, LLC
MONUMENT BARBER ESTATE 10" SOUR
LEA COUNTY, NEW MEXICO
ETGI PROJECT #: EOT2069

All measurements are in feet

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	03/27/02	3566.48	ND	29.48	0.00	3,537.00
	06/25/02		ND	29.45	0.00	3,537.03
	09/24/02		ND	29.40	0.00	3,537.08
	12/19/02		ND	29.47	0.00	3,537.01
RW - 2	03/16/01	3566.09	ND	29.32	0.00	3,536.77
	06/04/01		ND	29.38	0.00	3,536.71
	03/27/02		ND	29.61	0.00	3,536.48
	06/25/02		ND	29.58	0.00	3,536.51
	09/24/02		ND	29.59	0.00	3,536.50
	12/19/02		ND	29.55	0.00	3,536.54

TABLE 2

GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
MONUMENT BARBER ESTATE 10" SOUR
LEA COUNTY, NEW MEXICO
ETGI PROJECT #: EOT2069

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	Method: SW 846-8260B					Method: 8015	
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	GRO	DRO
MW-1	08/28/00	0.010	<0.001	0.003	0.001	0.014		
	12/12/00	**0.210**	<0.001	0.004	<0.001	0.214		
	03/16/01	**0.382**	<0.001	0.001	<0.001	<0.001		
	06/04/01	**0.358**	<0.005	<0.005	<0.005	0.358		
	09/27/01	**0.144**	<0.001	<0.001	<0.001	0.144	<0.5	<0.5
	03/27/02	**0.019**	<0.001	0.001	<0.001	0.020		
	06/25/02	**0.014**	<0.001	<0.001	<0.001	0.014		
	09/24/02	**0.011**	<0.001	<0.001	<0.001	0.011	<0.5	<0.5
	12/19/02	0.006	0.005	0.004	0.008	0.023		
MW-2	08/28/00	**0.307**	0.002	0.058	0.039	0.406		
	12/12/00	**0.652**	0.048	0.111	0.241	1.052		
	03/16/01	**0.653**	<0.005	0.123	0.208	<0.005		
	06/04/01	**0.505**	<0.005	0.095	0.088	0.688		
	09/27/01	**0.383**	<0.001	0.020	0.004	0.407	<0.5	<0.5
	03/27/02	**0.087**	<0.001	0.002	<0.001	0.089		
	06/25/02	**0.044**	<0.001	<0.001	<0.001	0.044		
	09/24/02	**0.129**	<0.001	0.001	<0.001	0.130	<0.5	<0.5
	12/19/02	**0.015**	0.006	0.004	0.008	0.033		
MW-4	08/28/00	<0.001	<0.001	<0.001	<0.001	<0.001		
	12/12/00	0.001	<0.001	<0.001	<0.002	0.001		
	03/16/01	0.002	<0.001	<0.001	<0.001	0.002		
	06/04/01	0.003	<0.001	0.008	<0.001	0.006		
	09/27/01	0.006	<0.001	0.001	0.002	0.009	<0.5	<0.5
	03/27/02	0.001	<0.001	<0.001	<0.001	0.001		
	06/25/02	<0.001	<0.001	<0.001	<0.001	<0.001		
	09/24/02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.5	<0.5
	12/19/02	0.003	0.003	0.002	0.004	0.012		
RW - 1	12/12/00	**0.408**	0.003	0.189	0.227	<0.001		
	03/23/01	**0.395**	0.005	0.193	0.173	<0.001		
	06/04/01	**0.270**	0.016	0.159	0.127	0.573		
	09/27/01	**0.215**	0.001	0.101	0.055	0.372	<0.5	<0.5
	03/27/02	**0.125**	<0.001	0.050	0.018	0.193		
	06/25/02	**0.101**	<0.001	0.073	0.021	0.195		
	09/24/02	**0.095**	<0.001	0.049	0.007	0.151	0.729	<0.5
	12/19/02	**0.061**	0.003	0.048	0.020	0.132		
RW - 2	12/12/00	**0.635**	0.040	0.170	0.267	0.022		
	03/23/01	**0.460**	0.010	0.143	0.176	<0.010		
	06/04/01	**0.610**	0.017	0.167	0.188	0.982		
	09/27/01	**0.821**	0.001	0.079	0.056	0.957	<0.5	0.94
	03/27/02	**0.181**	<0.001	0.002	0.002	0.185		
	06/25/02	**0.396**	<0.001	0.007	0.003	0.406		
	09/24/02	**0.903**	<0.001	0.026	0.011	0.940	<0.5	<0.5
	12/19/02	**0.352**	0.002	0.014	0.013	0.381		

CONCENTRATIONS IN BOLD EXCEED NMWQCC GROUNDWATER STANDARDS

APPENDICES

AnalySys, INC.
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(512) 444-5896 • FAX (512) 447-4766

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

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

FILE

Report#/Lab ID#: 127638 **Report Date:** 04/10/02
Project ID: Monument Barber EOT 2069C
Sample Name: MW 1
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:48
Date Sampled: 03/27/2002 **Time:** 11:40

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	---		---		04/05/02	8260b	---	---	---	---	---
Benzene	18.5	µg/L	1	<1	04/05/02	8260b	---	9.2	91.7	88.8	86.7
Ethylbenzene	1.13	µg/L	1	<1	04/05/02	8260b	---	0.3	109	108.6	106.2
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	0.6	115	114.8	11[redacted]
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	2	109.7	108.4	1[redacted]
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	15.2	105.2	99.8	95.7

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.

[redacted]

ient: Environmental Tech Group **:tn:** Ken Dutton	**Project ID:** Monument Barber EOT 2069C **Sample Name:** MW 1	**Report#/Lab ID#:** 127638 **Sample Matrix:** water

:PORT OF SURROGATE RECOVERY

ırrogate Compound	**Method**	**Recovery**	**Recovery Limit**	**Data Qualifiers**
2-Dichloroethane-d4	8260b	113	80-120	---
ıluene-d8	8260b	96.7	88-110	---

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

AnalySys, Inc.
2209 [redacted] Padre [redacted] and D[redacted] Corpus [redacted] isti, [redacted] 7840[redacted]
(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#: 127639 **Report Date:** 04/10/02
Project ID: Monument Barber EOT 2069C
Sample Name: MW 2
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:48
Date Sampled: 03/27/2002 **Time:** 11:50

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	---		---		04/05/02	8260b	---	---	---	---	---
Benzene	87.2	µg/L	1	<1	04/05/02	8260b	---	0.3	99.2	95.7	100.7
Ethylbenzene	1.62	µg/L	1	<1	04/05/02	8260b	---	0.3	97.3	100.8	98
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	0.1	100.1	104.6	100.8
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	1.6	95.9	99.1	9[redacted]
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	0.3	107.8	103.2	111.7

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.

[redacted] IL. [redacted] 2) 4[redacted]6 [redacted] F[redacted]512)[redacted]766 [redacted]

lient: Environmental Tech Group **:tn:** Ken Dutton	**Project ID:** Monument Barber EOT 2069C **Sample Name:** MW 2	**Report#/Lab ID#:** 127639 **Sample Matrix:** water

EPORT OF SURROGATE RECOVERY

ırrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
2-Dichloroethane-d4	8260b	112	80-120	---
)luene-d8	8260b	92.7	88-110	---

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

AnalySys Inc.
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#: 127640 **Report Date:** 04/10/02
Project ID: Monument Barber EOT 2069C
Sample Name: MW 4
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:48
Date Sampled: 03/27/2002 **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	---		---		04/05/02	8260b	---	---	---	---	---
Benzene	1.33	µg/L	1	<1	04/05/02	8260b	---	7.1	89.1	89.8	90.8
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	---	7.2	113.2	109.2	106.8
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	5.8	118.2	114.4	[illegible]
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	0.5	113.7	110.6	[illegible]
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	3.8	97	100.2	100.6

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.

[redacted]

lient: Environmental Tech Group ***ttn:*** *Ken Dutton*	**Project ID:** Monument Barber EOT 2069C **Sample Name:** MW 4	**Report#/Lab ID#:** 127640 **Sample Matrix:** water

EPORT OF SURROGATE RECOVERY

ırrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
2-Dichloroethane-d4	8260b	114	80-120	---
)luene-d8	8260b	88.1	88-110	---

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

AnalySys, Inc.
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#: 127641 **Report Date:** 04/10/02
Project ID: Monument Barber EOT 2069C
Sample Name: RW 1
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:48
Date Sampled: 03/27/2002 **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	---		---		04/05/02	8260b	---	---	---	---	---
Benzene	125	µg/L	1	<1	04/05/02	8260b	---	0.3	99.2	95.7	100.7
Ethylbenzene	49.3	µg/L	1	<1	04/05/02	8260b	---	0.3	97.3	100.8	98
m,p-Xylenes	18.4	µg/L	1	<1	04/05/02	8260b	---	0.1	100.1	104.6	10[redacted]
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	1.6	95.9	99.1	9[redacted]
Toluene	<1	µg/L	1	<1	04/05/02	8260b	J	0.3	107.8	103.2	111.7

Respectfully Submitted,

Richard Laster

Richard Laster

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ient: Environmental Tech Group **:tn:** Ken Dutton	**Project ID:** Monument Barber EOT 2069C **Sample Name:** RW 1	**Report#/Lab ID#:** 127641 **Sample Matrix:** water

EPORT OF SURROGATE RECOVERY

ırrogate Compound	**Method**	**Recovery**	**Recovery Limit**	**Data Qualifiers**
2-Dichloroethane-d4	8260b	108	80-120	---
ıluene-d8	8260b	95.1	88-110	---

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

AnalySys Inc.
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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#: 127642 **Report Date:** 04/10/02
Project ID: Monument Barber EOT 2069C
Sample Name: RW 2
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:48
Date Sampled: 03/27/2002 **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	---		---		04/05/02	8260b	---	---	---	---	---
Benzene	181	µg/L	1	<1	04/05/02	8260b	---	0.3	99.2	95.7	100.7
Ethylbenzene	1.68	µg/L	1	<1	04/05/02	8260b	---	0.3	97.3	100.8	98
m,p-Xylenes	1.89	µg/L	1	<1	04/05/02	8260b	---	0.1	100.1	104.6	[redacted]
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	1.6	95.9	99.1	96.9
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	0.3	107.8	103.2	111.7

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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lient: Environmental Tech Group **ttn:** Ken Dutton	**Project ID:** Monument Barber EOT 2069C **Sample Name:** RW 2	**Report#/Lab ID#:** 127642 **Sample Matrix:** water

EPORT OF SURROGATE RECOVERY

ırrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
2-Dichloroethane-d4	8260b	117	80-120	---
oluene-d8	8260b	96.8	88-110	---

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

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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#: 127643 **Report Date:** 04/10/02
Project ID: Monument Barber EOT 2069C
Sample Name: EB 1
Sample Matrix: water
Date Received: 04/03/2002 **Time:** 09:48
Date Sampled: 03/27/2002 **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	---		---		04/05/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/05/02	8260b	---	7.1	89.1	89.8	90.8
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	---	7.2	113.2	109.2	106.8
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	5.8	118.2	114.4	1[redacted]
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	0.5	113.7	110.6	108.8
Toluene	<1	µg/L	1	<1	04/05/02	8260b	---	3.8	97	100.2	100.6

Respectfully Submitted,

Richard Laster

Richard Laster

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lient: Environmental Tech Group ttn: Ken Dutton	**Project ID:** Monument Barber EOT 2069C **Sample Name:** EB 1

Report#/Lab ID#: 127643
Sample Matrix: water

EPORT OF SURROGATE RECOVERY

ırrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
2-Dichloroethane-d4	8260b	98.9	80-120	---
ɔluene-d8	8260b	101	88-110	---

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

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) 397-4882 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#: MONUMENT BARBER Sampler: Simon Cross
EOT 20069C

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	3-27-02	1140	2		X		127638	X	
MW 2		1150					127639		
MW 4		1215					127640		
RW 1		1200					127641		
RW 2		1225					127642		
EB 1		1330					127643		

(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 Cross	ETGI	4-2-02	1200	Melanie Humphrey	ASI	4/3/02	09:48

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

Report #/Lab ID#: 127641 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Monument Barber EOT 2069C
Sample Name: RW 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 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:

FILE

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#: 131007 **Report Date:** 07/03/02
Project ID: Monument Barber EOT 2069C
Sample Name: MW 1
Sample Matrix: water
Date Received: 06/28/2002 **Time:** 10:30
Date Sampled: 06/25/2002 **Time:** 15:07

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]
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	07/02/02	8015 mod.	J	15.1	98.1	116.9	95.3
TPH by GC (as diesel-ext)	---	---	---	---	07/02/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	07/02/02	8015 mod.	---	1.8	106.1	110.2	98.1
Volatile organics-8260b/BTEX	---		---		07/01/02	8260b	---	---	---	---	---
Benzene	14.2	µg/L	1	<1	07/01/02	8260b	---	0.3	94.3	105.8	97.9
Ethylbenzene	<1	µg/L	1	<1	07/01/02	8260b	J	2.1	114.4	108.7	117.5
m,p-Xylenes	<1	µg/L	1	<1	07/01/02	8260b	---	0.5	107.3	85.8	112.7
o-Xylene	<1	µg/L	1	<1	07/01/02	8260b	---	1.7	112.5	103.1	116.3
Toluene	<1	µg/L	1	<1	07/01/02	8260b	---	1	88.4	85.8	96.4

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) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Monument Barber EOT 2069C **Sample Name:** MW 1	**Report#/Lab ID#:** 131007 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	73.4	50-150	---
p-Terphenyl	8015 mod.	83.4	50-150	---
1,2-Dichloroethane-d4	8260b	93.2	80-120	---
Toluene-d8	8260b	97.4	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 131007 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Monument Barber EOT 2069C
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

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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
TPH by GC (as diesel)	J	See J-flag discussion above.
Ethylbenzene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

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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#: 131008 **Report Date:** 07/03/02
Project ID: Monument Barber EOT 2069C
Sample Name: MW 2
Sample Matrix: water
Date Received: 06/28/2002 **Time:** 10:30
Date Sampled: 06/25/2002 **Time:** 14:45

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]
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	07/02/02	8015 mod.	J	15.1	98.1	116.9	95.3
TPH by GC (as diesel-ext)	---	---	---	---	07/02/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	07/02/02	8015 mod.	---	1.8	106.1	110.2	98.1
Volatile organics-8260b/BTEX	---		---		07/01/02	8260b	---	---	---	---	---
Benzene	43.6	µg/L	1	<1	07/01/02	8260b	---	0.3	94.3	105.8	97.9
Ethylbenzene	1.22	µg/L	1	<1	07/01/02	8260b	---	2.1	114.4	108.7	117.5
m,p-Xylenes	<1	µg/L	1	<1	07/01/02	8260b	---	0.5	107.3	85.8	112.7
o-Xylene	<1	µg/L	1	<1	07/01/02	8260b	---	1.7	112.5	103.1	116.3
Toluene	<1	µg/L	1	<1	07/01/02	8260b	---	1	88.4	85.8	96.4

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.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Monument Barber EOT 2069C **Sample Name:** MW 2	**Report#/Lab ID#:** 131008 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	78.7	50-150	---
p-Terphenyl	8015 mod.	87.9	50-150	---
1,2-Dichloroethane-d4	8260b	102	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#: 131008 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Monument Barber EOT 2069C
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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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as diesel)	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#: 131009 **Report Date:** 07/03/02
Project ID: Monument Barber EOT 2069C
Sample Name: MW 4
Sample Matrix: water
Date Received: 06/28/2002 **Time:** 10:30
Date Sampled: 06/25/2002 **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]
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	07/02/02	8015 mod.	J	15.1	98.1	116.9	95.3
TPH by GC (as diesel-ext)	---	---	---	---	07/02/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	07/02/02	8015 mod.	---	1.8	106.1	110.2	98.1
Volatile organics-8260b/BTEX	---		---		07/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	07/01/02	8260b	J	0.3	94.3	105.8	97.9
Ethylbenzene	<1	µg/L	1	<1	07/01/02	8260b	---	2.1	114.4	108.7	117.5
m,p-Xylenes	<1	µg/L	1	<1	07/01/02	8260b	---	0.5	107.3	85.8	112.7
o-Xylene	<1	µg/L	1	<1	07/01/02	8260b	---	1.7	112.5	103.1	116.3
Toluene	<1	µg/L	1	<1	07/01/02	8260b	---	1	88.4	85.8	96.4

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:** Monument Barber EOT 2069C **Sample Name:** MW 4	**Report#/Lab ID#:** 131009 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	70.2	50-150	---
p-Terphenyl	8015 mod.	79.6	50-150	---
1,2-Dichloroethane-d4	8260b	101	80-120	---
Toluene-d8	8260b	98.2	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 131009 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Monument Barber EOT 2069C
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).

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
TPH by GC (as diesel)	J	See J-flag discussion above.
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: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

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

Report#/Lab ID#: 131010 **Report Date:** 07/03/02
Project ID: Monument Barber EOT 2069C
Sample Name: RW 1
Sample Matrix: water
Date Received: 06/28/2002 **Time:** 10:30
Date Sampled: 06/25/2002 **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]
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	07/02/02	8015 mod.	J	15.1	98.1	116.9	95.3
TPH by GC (as diesel-ext)	---	---	---	---	07/02/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	07/02/02	8015 mod.	---	1.8	106.1	110.2	98.1
Volatile organics-8260b/BTEX	---		---		07/01/02	8260b	---	---	---	---	---
Benzene	101	µg/L	1	<1	07/01/02	8260b	---	0.3	94.3	105.8	97.9
Ethylbenzene	72.6	µg/L	1	<1	07/01/02	8260b	---	2.1	114.4	108.7	117.5
m,p-Xylenes	21.3	µg/L	1	<1	07/01/02	8260b	---	0.5	107.3	85.8	112.7
o-Xylene	<1	µg/L	1	<1	07/01/02	8260b	J	1.7	112.5	103.1	116.3
Toluene	<1	µg/L	1	<1	07/01/02	8260b	J	1	88.4	85.8	96.4

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:** Monument Barber EOT 2069C **Sample Name:** RW 1	**Report#/Lab ID#:** 131010 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	89.5	50-150	---
p-Terphenyl	8015 mod.	92.8	50-150	---
1,2-Dichloroethane-d4	8260b	109	80-120	---
Toluene-d8	8260b	95.3	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 131010 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Monument Barber EOT 2069C
Sample Name: RW 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).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as diesel)	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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(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#: 131011 **Report Date:** 07/03/02
Project ID: Monument Barber EOT 2069C
Sample Name: RW 2
Sample Matrix: water
Date Received: 06/28/2002 **Time:** 10:30
Date Sampled: 06/25/2002 **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]
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	07/02/02	8015 mod.	J	15.1	98.1	116.9	95.3
TPH by GC (as diesel-ext)	---	---	---	---	07/02/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	07/02/02	8015 mod.	---	1.8	106.1	110.2	98.1
Volatile organics-8260b/BTEX	---		---		07/02/02	8260b	---	---	---	---	---
Benzene	396	µg/L	10	<10	07/02/02	8260b	---	8	92.9	91.7	98
Ethylbenzene	7.2	µg/L	1	<1	07/02/02	8260b	---	0.1	104.4	104.8	110.6
m,p-Xylenes	2.97	µg/L	1	<1	07/02/02	8260b	---	0.7	104.5	105.1	110.5
o-Xylene	<1	µg/L	1	<1	07/02/02	8260b	---	2.7	107.3	106	111.9
Toluene	<1	µg/L	1	<1	07/02/02	8260b	J	8.9	95.3	93.6	98.3

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:** Monument Barber EOT 2069C **Sample Name:** RW 2	**Report#/Lab ID#:** 131011 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	70.8	50-150	---
p-Terphenyl	8015 mod.	73	50-150	---
1,2-Dichloroethane-d4	8260b	115	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#: 131011 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Monument Barber EOT 2069C
Sample Name: RW 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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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as diesel)	J	See J-flag discussion above.
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: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

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

Report#/Lab ID#: 131012 **Report Date:** 07/03/02
Project ID: Monument Barber EOT 2069C
Sample Name: EB 1
Sample Matrix: water
Date Received: 06/28/2002 **Time:** 10:30
Date Sampled: 06/25/2002 **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	---		---		07/02/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	07/02/02	8260b	---	8	92.9	91.7	98
Ethylbenzene	<1	µg/L	1	<1	07/02/02	8260b	---	0.1	104.4	104.8	110.6
m,p-Xylenes	<1	µg/L	1	<1	07/02/02	8260b	---	0.7	104.5	105.1	110.5
o-Xylene	<1	µg/L	1	<1	07/02/02	8260b	---	2.7	107.3	106	111.9
Toluene	<1	µg/L	1	<1	07/02/02	8260b	---	8.9	95.3	93.6	98.3

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.

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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:** Monument Barber EOT 2069C **Sample Name:** EB 1	**Report#/Lab ID#:** 131012 **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	97.4	88-110	---

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

2135

COC: 097

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#: Monument Barker #10" EOT 2061C 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	TPH 8015M DRO/GRO						Comments
MW 1	6-25-02	1507	5		X		131007	X	X						
MW 2	↓	1445	↓		↓		131008	↓	↓						
MW 4	↓	1245	↓		↓		131009	↓	↓						
RW 1	↓	1530	↓		↓		131010	↓	↓						
RW 2	↓	1600	↓		↓		131011	↓	↓						
EB 1	↓	1615	2		↓		131012	↓							

(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: 4.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas	ETGI	6/27/02	1200	Melanie Humphries	ASI	6/28/02	10:30

[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#: 134189 **Report Date:** 10/17/02
Project ID: Monument 10" Sour EO 2069
Sample Name: MW-1
Sample Matrix: water
Date Received: 09/26/2002 **Time:** 09:50
Date Sampled: 09/24/2002 **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]
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/12/02	8015 mod.	---	28	82	125	90.1
TPH by GC (as diesel-ext)	---	---	---	---	10/07/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/07/02	8015 mod.	---	14.4	81.4	122.6	82.2
Volatile organics-8260b/BTEX	---		---		10/02/02	8260b	---	---	---	---	---
Benzene	10.7	µg/L	1	<1	10/02/02	8260b	---	21.3	88.3	95.3	112.9
Ethylbenzene	<1	µg/L	1	<1	10/02/02	8260b	---	1.4	116.3	118.4	111.9
m,p-Xylenes	<1	µg/L	1	<1	10/02/02	8260b	---	5.9	105.9	110.6	107.7
o-Xylene	<1	µg/L	1	<1	10/02/02	8260b	---	3.3	97.2	99.7	96.8
Toluene	<1	µg/L	1	<1	10/02/02	8260b	---	20.6	89.7	93.7	93.1

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,

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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:** Monument 10" Sour EO 2069 **Sample Name:** MW 1	**Report#/Lab ID#:** 134189 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	51.6	50-150	---
p-Terphenyl	8015 mod.	63.4	50-150	---
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	107	88-110	---

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

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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#: 134190 **Report Date:** 10/17/02
Project ID: Monument 10" Sour EO 2069
Sample Name: MW 2
Sample Matrix: water
Date Received: 09/26/2002 **Time:** 09:50
Date Sampled: 09/24/2002 **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]
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/12/02	8015 mod.	---	28	82	125	90.1
TPH by GC (as diesel-ext)	---	---	---	---	10/07/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/07/02	8015 mod.	---	14.4	81.4	122.6	82.2
Volatile organics-8260b/BTEX	---		---		10/02/02	8260b	---	---	---	---	---
Benzene	129	µg/L	1	<1	10/02/02	8260b	---	21.3	88.3	95.3	112.9
Ethylbenzene	1.36	µg/L	1	<1	10/02/02	8260b	---	1.4	116.3	118.4	111.9
m,p-Xylenes	<1	µg/L	1	<1	10/02/02	8260b	J	5.9	105.9	110.6	107.7
o-Xylene	<1	µg/L	1	<1	10/02/02	8260b	---	3.3	97.2	99.7	96.8
Toluene	<1	µg/L	1	<1	10/02/02	8260b	---	20.6	89.7	93.7	93.1

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.

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:** Monument 10" Sour EO 2069 **Sample Name:** MW 2	**Report#/Lab ID#:** 134190 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	51	50-150	---
p-Terphenyl	8015 mod.	74.4	50-150	---
1,2-Dichloroethane-d4	8260b	93.2	80-120	---
Toluene-d8	8260b	100	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 134190 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Monument 10" Sour EO 2069
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
m,p-Xylenes	J	See J-flag discussion above.

Notes:

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#: 134191 **Report Date:** 10/17/02
Project ID: Monument 10" Sour EO 2069
Sample Name: MW 4
Sample Matrix: water
Date Received: 09/26/2002 **Time:** 09:50
Date Sampled: 09/24/2002 **Time:** 13:15

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]
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/12/02	8015 mod.	---	28	82	125	90.1
TPH by GC (as diesel-ext)	---	---	---	---	10/07/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/07/02	8015 mod.	---	14.4	81.4	122.6	82.2
Volatile organics-8260b/BTEX	---		---		10/02/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/02/02	8260b	---	21.3	88.3	95.3	112.9
Ethylbenzene	<1	µg/L	1	<1	10/02/02	8260b	---	1.4	116.3	118.4	111.9
m,p-Xylenes	<1	µg/L	1	<1	10/02/02	8260b	---	5.9	105.9	110.6	107.7
o-Xylene	<1	µg/L	1	<1	10/02/02	8260b	---	3.3	97.2	99.7	96.8
Toluene	<1	µg/L	1	<1	10/02/02	8260b	---	20.6	89.7	93.7	93.1

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.

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:** Monument 10" Sour EO 2069 **Sample Name:** MW 4	**Report#/Lab ID#:** 134191 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	50.2	50-150	---
p-Terphenyl	8015 mod.	72.8	50-150	---
1,2-Dichloroethane-d4	8260b	99.1	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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(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#: 134192 **Report Date:** 10/17/02
Project ID: Monument 10" Sour EO 2069
Sample Name: RW 1
Sample Matrix: water
Date Received: 09/26/2002 **Time:** 09:50
Date Sampled: 09/24/2002 **Time:** 14:35

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]
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/12/02	8015 mod.	---	28	82	125	90.1
TPH by GC (as diesel-ext)	---	---	---	---	10/07/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	0.729	mg/L	0.5	<0.5	10/07/02	8015 mod.	---	14.4	81.4	122.6	82.2
Volatile organics-8260b/BTEX	---		---		10/02/02	8260b	---	---	---	---	---
Benzene	94.8	µg/L	1	<1	10/02/02	8260b	---	21.3	88.3	95.3	112.9
Ethylbenzene	48.5	µg/L	1	<1	10/02/02	8260b	---	1.4	116.3	118.4	111.9
m,p-Xylenes	7.08	µg/L	1	<1	10/02/02	8260b	---	5.9	105.9	110.6	107.7
o-Xylene	<1	µg/L	1	<1	10/02/02	8260b	---	3.3	97.2	99.7	96.8
Toluene	<1	µg/L	1	<1	10/02/02	8260b	---	20.6	89.7	93.7	93.1

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Monument 10" Sour EO 2069 **Sample Name:** RW 1	**Report#/Lab ID#:** 134192 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	50.9	50-150	---
p-Terphenyl	8015 mod.	63.9	50-150	---
1,2-Dichloroethane-d4	8260b	90.6	80-120	---
Toluene-d8	8260b	101	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#: 134193 **Report Date:** 10/17/02
Project ID: Monument 10" Sour EO 2069
Sample Name: RW 2
Sample Matrix: water
Date Received: 09/26/2002 **Time:** 09:50
Date Sampled: 09/24/2002 **Time:** 15:05

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]
TPH by GC (as diesel)	<0.5	mg/L	0.5	<0.5	10/12/02	8015 mod.	---	28	82	125	90.1
TPH by GC (as diesel-ext)	---	---	---	---	10/07/02	3540	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/07/02	8015 mod.	J	14.4	81.4	122.6	82.2
Volatile organics-8260b/BTEX	---		---		10/02/02	8260b	---	---	---	---	---
Benzene	903	µg/L	10	<10	10/03/02	8260b	---	3.6	128.8	87.3	121.3
Ethylbenzene	26.3	µg/L	1	<1	10/02/02	8260b	---	2.2	110.2	117.8	110.6
m,p-Xylenes	11.1	µg/L	1	<1	10/02/02	8260b	---	2.1	101.5	107.2	101.9
o-Xylene	<1	µg/L	1	<1	10/02/02	8260b	J	2.7	90.3	97.1	91.9
Toluene	<1	µg/L	1	<1	10/02/02	8260b	---	1	99.1	86.5	95.3

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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:** Monument 10" Sour EO 2069 **Sample Name:** RW 2	**Report#/Lab ID#:** 134193 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	50.6	50-150	---
p-Terphenyl	8015 mod.	64	50-150	---
1,2-Dichloroethane-d4	8260b	113	80-120	---
Toluene-d8	8260b	99.8	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 134193 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Monument 10" Sour EO 2069
Sample Name: RW 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) and appear to be appropriately preserved.
☐ 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
TPH by GC (as gasoline)	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.

Notes: _____

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#: 134194 **Report Date:** 10/17/02
Project ID: Monument 10" Sour EO 2069
Sample Name: EB 1
Sample Matrix: water
Date Received: 09/26/2002 **Time:** 09:50
Date Sampled: 09/24/2002 **Time:** 15:20

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	---		---		10/02/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/02/02	8260b	---	21.3	88.3	95.3	112.9
Ethylbenzene	<1	µg/L	1	<1	10/02/02	8260b	---	1.4	116.3	118.4	111.9
m,p-Xylenes	<1	µg/L	1	<1	10/02/02	8260b	---	5.9	105.9	110.6	107.7
o-Xylene	<1	µg/L	1	<1	10/02/02	8260b	---	3.3	97.2	99.7	96.8
Toluene	<1	µg/L	1	<1	10/02/02	8260b	---	20.6	89.7	93.7	93.1

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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:** Monument 10" Sour EO 2069 **Sample Name:** EB 1	**Report#/Lab ID#:** 134194 **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	101	88-110	---

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

COC: /71 1/1

CHAIN-OF-CUSTODY

AnalySys Inc.
4221 Freidrich Lane Suite 190 Austin TX
Phone (51 - 111 5896
Fax (512) 413 1766

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#: MONUMENT 10" SOUR EO 2069 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	TPH 8015 DRO/GRO							Comments
MW 1	9/24/02	1410	5		X		134189	X	X							
MW 2	↓	1345	↓		↓		134190	↓	↓							
MW 4	↓	1315	↓		↓		134191	↓	↓							
RW 1	↓	1435	↓		↓		134192	↓	↓							
RW 2	↓	1505	↓		↓		134193	↓	↓							
EB1	↓	1520	↓		↓		134194	↓								

(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 [illegible] 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, [illegible] ASI's list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 3.1°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas	ETGI			Melanie Humphrey	ASI	9/26/02	0950

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

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#: 137650 **Report Date:** 01/02/03
Project ID: Monument 10" Sour EO 2069
Sample Name: MW 1
Sample Matrix: water
Date Received: 12/20/2002 **Time:** 14:30
Date Sampled: 12/19/2002 **Time:** 12:37

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	---		---		12/27/02	8260b	---	---	---	---	---
Benzene	6.43	µg/L	1	<1	12/27/02	8260b	---	11.9	99.5	89.2	91.2
Ethylbenzene	3.82	µg/L	1	<1	12/27/02	8260b	---	0.5	111.2	107	108.9
m,p-Xylenes	5.44	µg/L	1	<1	12/27/02	8260b	---	1.6	107.8	103.9	107.1
o-Xylene	2.06	µg/L	1	<1	12/27/02	8260b	---	1.8	110.9	105.8	112.2
Toluene	5.24	µg/L	1	<1	12/27/02	8260b	---	4.8	96.3	92.1	94.1

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

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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:** Robert Edison	**Project ID:** Monument 10" Sour EO 2069 **Sample Name:** MW 1	**Report#/Lab ID#:** 137650 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94	80-120	---
Toluene-d8	8260b	102	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#: 137651 **Report Date:** 01/02/03
Project ID: Monument 10" Sour EO 2069
Sample Name: MW 2
Sample Matrix: water
Date Received: 12/20/2002 **Time:** 14:30
Date Sampled: 12/19/2002 **Time:** 12:54

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	---		---		12/27/02	8260b	---	---	---	---	---
Benzene	14.6	µg/L	1	<1	12/27/02	8260b	---	11.9	99.5	89.2	91.2
Ethylbenzene	4.17	µg/L	1	<1	12/27/02	8260b	---	0.5	111.2	107	108.9
m,p-Xylenes	6.1	µg/L	1	<1	12/27/02	8260b	---	1.6	107.8	103.9	107.1
o-Xylene	2.36	µg/L	1	<1	12/27/02	8260b	---	1.8	110.9	105.8	112.2
Toluene	6.23	µg/L	1	<1	12/27/02	8260b	---	4.8	96.3	92.1	94.1

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

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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	**Project ID:** Monument 10" Sour EO 2069 **Sample Name:** MW 2	**Report#/Lab ID#:** 137651 **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	101	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: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 137652 **Report Date:** 01/02/03
Project ID: Monument 10" Sour EO 2069
Sample Name: MW 4
Sample Matrix: water
Date Received: 12/20/2002 **Time:** 14:30
Date Sampled: 12/19/2002 **Time:** 11:57

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	---		---		12/27/02	8260b	---	---	---	---	---
Benzene	2.92	µg/L	1	<1	12/27/02	8260b	---	11.9	99.5	89.2	91.2
Ethylbenzene	1.61	µg/L	1	<1	12/27/02	8260b	---	0.5	111.2	107	108.9
m,p-Xylenes	2.95	µg/L	1	<1	12/27/02	8260b	---	1.6	107.8	103.9	107.1
o-Xylene	1.11	µg/L	1	<1	12/27/02	8260b	---	1.8	110.9	105.8	112.2
Toluene	2.91	µg/L	1	<1	12/27/02	8260b	---	4.8	96.3	92.1	94.1

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,

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

Client: Environmental Tech Group	**Project ID:** Monument 10" Sour EO 2069	**Report#/Lab ID#:** 137652
Attn: Robert Edison	**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	100	88-110	---

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

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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#: 137653 **Report Date:** 01/02/03
Project ID: Monument 10" Sour EO 2069
Sample Name: RW 1
Sample Matrix: water
Date Received: 12/20/2002 **Time:** 14:30
Date Sampled: 12/19/2002 **Time:** 12:18

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	---		---		12/30/02	8260b	---	---	---	---	---
Benzene	60.9	µg/L	1	<1	12/30/02	8260b	---	11.9	99.5	89.2	91.2
Ethylbenzene	48.3	µg/L	1	<1	12/30/02	8260b	---	0.5	111.2	107	108.9
m,p-Xylenes	18.1	µg/L	1	<1	12/30/02	8260b	---	1.6	107.8	103.9	107.1
o-Xylene	1.85	µg/L	1	<1	12/30/02	8260b	---	1.8	110.9	105.8	112.2
Toluene	3.32	µg/L	1	<1	12/30/02	8260b	---	4.8	96.3	92.1	94.1

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.

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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	**Project ID:** Monument 10" Sour EO 2069 **Sample Name:** RW 1	**Report#/Lab ID#:** 137653 **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	103	88-110	---

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

ANALYSYS INC

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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#: 137654 **Report Date:** 01/02/03
Project ID: Monument 10" Sour EO 2069
Sample Name: RW 2
Sample Matrix: water
Date Received: 12/20/2002 **Time:** 14:30
Date Sampled: 12/19/2002 **Time:** 13:15

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	---		---		12/30/02	8260b	---	---	---	---	---
Benzene	352	µg/L	10	<10	12/27/02	8260b	---	11.9	99.5	89.2	91.2
Ethylbenzene	13.8	µg/L	1	<1	12/30/02	8260b	---	0.5	111.2	107	108.9
m,p-Xylenes	12.8	µg/L	1	<1	12/30/02	8260b	---	1.6	107.8	103.9	107.1
o-Xylene	<1	µg/L	1	<1	12/30/02	8260b	J	1.8	110.9	105.8	112.2
Toluene	1.58	µg/L	1	<1	12/30/02	8260b	---	4.8	96.3	92.1	94.1

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.

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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	**Project ID:** Monument 10" Sour EO 2069 **Sample Name:** RW 2	**Report#/Lab ID#:** 137654 **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	102	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 137654 **Matrix:** water
Client: Environmental Tech Group **Attn:** Robert Edison
Project ID: Monument 10" Sour EO 2069
Sample Name: RW 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
o-Xylene	J	See J-flag discussion above.

Notes: _____

ANALYSYS INC.

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(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#: 137655 **Report Date:** 01/02/03
Project ID: Monument 10" Sour EO 2069
Sample Name: EB 1
Sample Matrix: water
Date Received: 12/20/2002 **Time:** 14:30
Date Sampled: 12/19/2002 **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	---		---		12/31/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/31/02	8260b	---	1.8	93.3	98.8	105
Ethylbenzene	<1	µg/L	1	<1	12/31/02	8260b	---	0	103.8	101.7	101.6
m,p-Xylenes	<1	µg/L	1	<1	12/31/02	8260b	---	1.2	101	97.4	97.7
o-Xylene	<1	µg/L	1	<1	12/31/02	8260b	---	0.8	103	100.1	101.4
Toluene	<1	µg/L	1	<1	12/31/02	8260b	---	1.5	98.2	100.5	106.1

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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	**Project ID:** Monument 10" Sour EO 2069 **Sample Name:** EB 1	**Report#/Lab ID#:** 137655 **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	102	88-110	---

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

CHAIN-OF-CUSTODY

COC: 220

4698

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 Edison
Phone 505-397-4888 Fax 505-397-4701

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

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: Monument 10" Sar Sampler: Marcelo Campos
EO-2029

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Analyses Requested (1) BTEX 8021B	Comments
mw 1	12/14/02	1237	2		X		137650	X	
mw 2		1254					137651		
mw 4		1157					137652		
rw-1		1218					137653		
rw-2		1315					137654		
E.B.-1		1330					137655		

(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: 3.5 °C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Marcelo Campos	E. T. G. I.	12/19/02	1545	Melanie Humphrey	ASI	12/20/02	14:30

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

RP 11/5

ANNUAL MONITORING REPORT

RBDMS
72

EOTT PIPELINE COMPANY
MONUMENT BARBER
LEA COUNTY, NEW MEXICO

RECEIVED
MAY 09 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 two quarterly events in calendar year 2000 to assess the levels and extent of dissolved phase and phase-separated petroleum hydrocarbon (PSH) constituents. The ground water monitoring events consisted of measuring static water levels in the monitoring wells, checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge. Monitoring or recovery wells containing measurable levels of PSH were not sampled.

FIELD ACTIVITIES

The site monitoring and recovery wells were gauged and sampled on August 28, 29, 30, and December 12, 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, recovery wells, and the inferred ground water gradient, as measured on December 12, 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 0.002 ft/ft to the southeast as measured between ground water monitoring wells MW-2 and MW-4. The depth to ground water, as measured from the top of the well casing, ranged between 28.85 to 31.21 feet for the shallow alluvial aquifer.

A measurable thickness of PSH was detected in monitoring well MW-3 during the annual monitoring period. A maximum thickness of 0.02 foot in monitoring well MW-3 was measured and is shown on Table 1.

LABORATORY RESULTS

Ground water samples collected during the 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 well MW-4. The Benzene concentrations contained in the ground water samples collected from monitoring and recovery wells MW-1, MW-2, RW-1, and RW-2 were above regulatory standards, while the BTEX concentrations contained in the ground water samples from these wells were below regulatory standards.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 2000. A measurable thickness of PSH was detected in monitoring well MW-3 during the annual monitoring period. A maximum thickness of 0.02 foot in monitoring well MW-3 was measured in this monitoring well.

Ground water elevation contours, generated from the final quarterly event of calendar year 2000 water level measurements, indicated a general gradient of approximately 0.002 ft/ft to the southeast as measured between ground water monitoring wells MW-2 and MW-4.

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 well MW-4. The Benzene concentrations contained in the ground water samples collected from monitoring and recovery wells MW-1, MW-2, RW-1, and RW-2 were above regulatory standards, while the BTEX concentrations contained in the ground water samples from these wells were below regulatory standards.

FIGURES

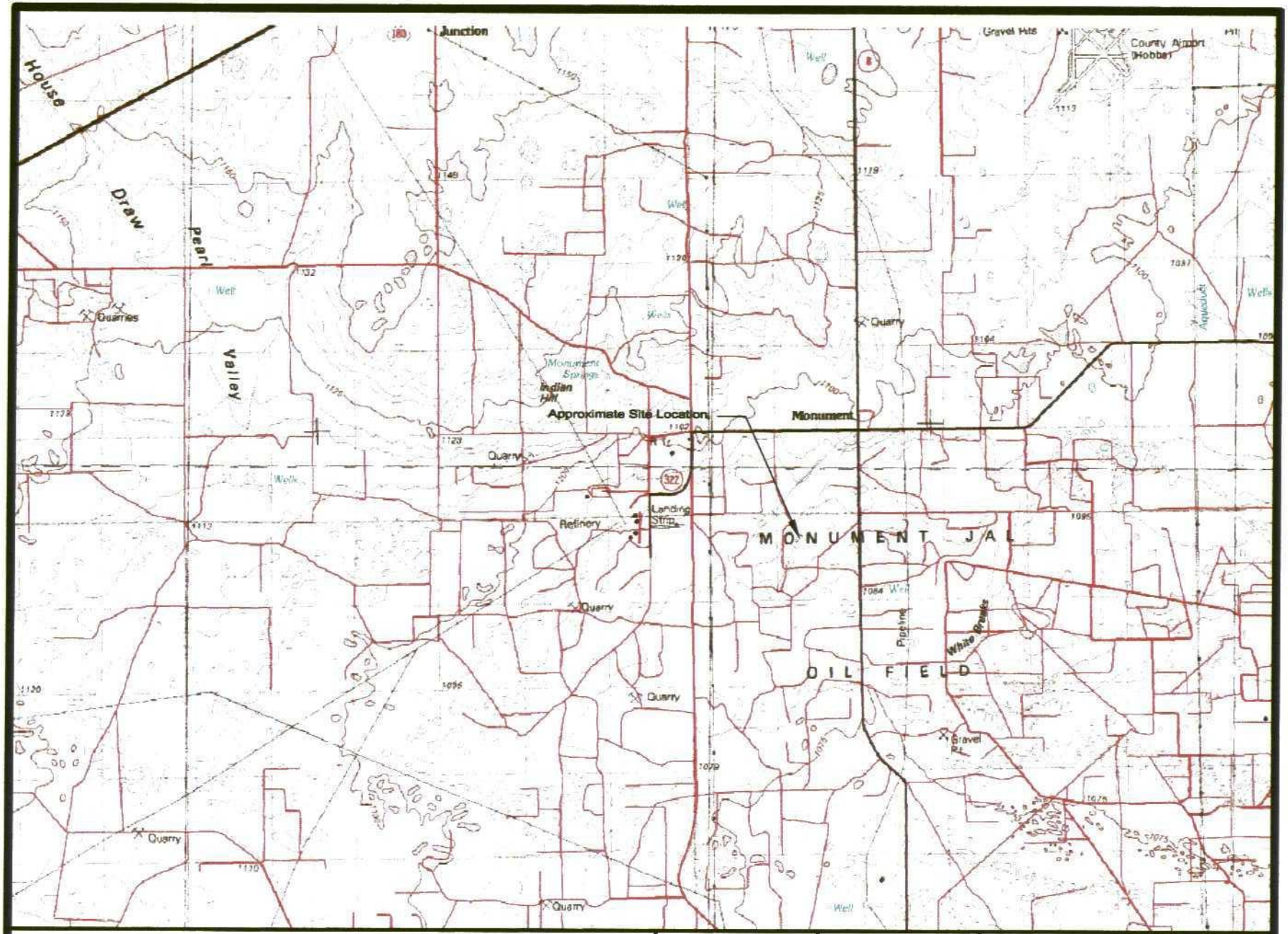
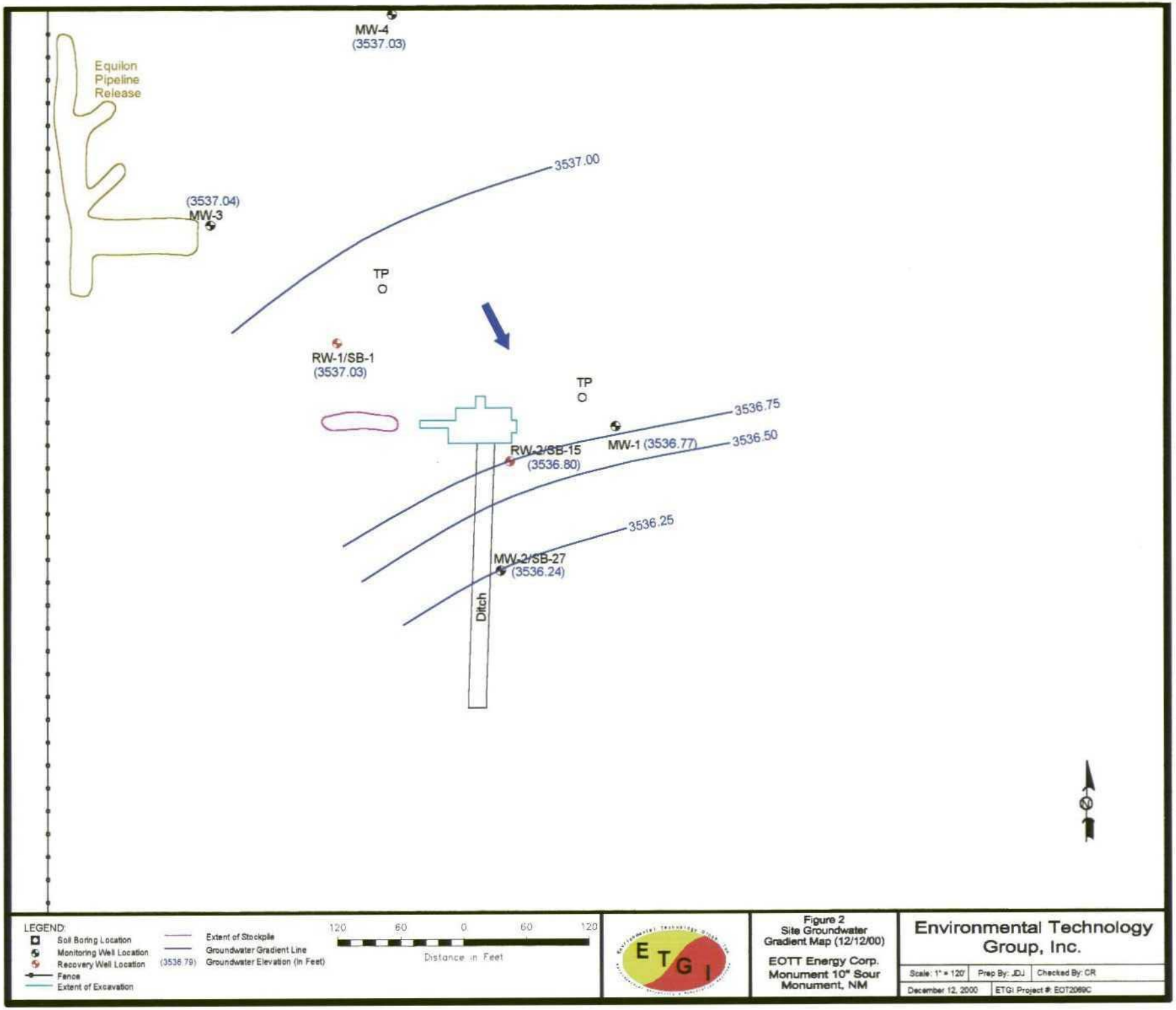


Figure 1
Site Location Map

EOTT Energy Corp.
Monument 10" Sour
Monument, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: JDJ	Checked By: BA
August 20, 2000	ETGI Project # EOT 2069C	


MW-4
(3537.03)
Equilon
Pipeline
Release
(3537.04)
MW-3
3537.00
TP
RW-1/SB-1
(3537.03)
TP
3536.75
3536.50
MW-1 (3536.77)
RW-2/SB-15
(3536.80)
3536.25
MW-2/SB-27
(3536.24)
Ditch
N
LEGEND:
Soil Boring Location
Monitoring Well Location
Recovery Well Location
Fence
Extent of Excavation
Extent of Stockpile
Groundwater Gradient Line
(3536.79) Groundwater Elevation (In Feet)
120 60 0 60 120
Distance in Feet
E T G I
Figure 2
Site Groundwater
Gradient Map (12/12/00)
EOTT Energy Corp.
Monument 10" Sour
Monument, NM
Environmental Technology
Group, Inc.
Scale: 1" = 120'
Prep By: JDJ
Checked By: CR
December 12, 2000
ETGI Project #: EOT2069C

TABLES

TABLE 1

GROUND WATER ELEVATION
ANNUAL REPORT

EOTT ENERGY CORPORATION
MONUMENT BARBER ESTATE 10" SOUR PIPELINE
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT2069C

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	08/30/00	3,565.64	-	28.85	0.00	3,536.79
	12/12/00	3,565.64	-	28.87	0.00	3,536.77
MW - 2	08/30/00	3,565.58	-	29.14	0.00	3,536.44
	12/12/00	3,565.58	-	29.34	0.00	3,536.24
MW - 3	08/30/00	3,567.44	30.38	30.40	0.02	3,537.06
	12/12/00	3,567.44	30.40	30.41	0.01	3,537.04
MW - 4	08/30/00	3,567.27	-	31.21	0.00	3,536.06
	12/12/00	3,567.27	-	30.24	0.00	3,537.03
RW -1	08/30/00	3566.48	-	29.41	0.00	3537.07
	12/12/00	3,566.48	-	29.45	0.00	3,537.03
RW - 2	08/30/00	3,566.09	-	29.26	0.00	3,536.83
	12/12/00	3,566.09	-	29.29	0.00	3,536.80

TABLE 2

GROUND WATER CHEMISTRY
ANNUAL REPORT

EOTT ENERGY CORPORATION
MONUMENT BARBER
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT 2069C

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	08/28/00	0.010	<0.001	0.003	0.001	<0.001
	12/12/00	0.210	<0.001	0.004	<0.001	<0.001
MW - 2	08/28/00	0.307	0.002	0.058	0.026	0.013
	12/12/00	0.652	0.048	0.111	0.223	0.018
MW - 4	08/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
	12/12/00	0.001	<0.001	<0.001	<0.001	<0.001
RW - 1	12/12/00	0.408	0.003	0.189	0.227	<0.001
RW - 2	12/12/00	0.635	0.040	0.170	0.267	0.022

APPENDIX

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ 30 deg. F
Project #: EOT 1069C
Project Name: Monument Barber Estate 10" Sour P/L
Project Location: Monument, N.M.

Sampling Date: 08/28/00
Receiving Date: 08/28/00
Analysis Date: 08/30/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L	TOTAL BTEX mg/L
30072	MW 2	0.307	0.002	0.058	0.026	0.013	0.406
30073	MW 1	0.010	<0.001	0.003	0.001	<0.001	0.014
% IA		101	99	100	100	96	
% EA		98	96	98	98	94	
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001	

METHODS: SW 846-8021B,5030

Celey D. Keene

Celey D. Keene

09/12/00
Date

Environmental Technology Group, Inc. — Environmental Consulting & Remediation Services

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

4500 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) 582-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST (Circle or Specify Method No.) COC# 209

Project Manager: Ben Dutton as per K. Dutton 9-1-00

Project Name: Barber Estate P/L Monument "10" Sour Trunk (Jimmy Cooper)

Project Number: EOT 0166C

Project Location: Monument, NM

Sampler Signature: Simon Casas

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	WATER	SOIL	AIR	SLUDGE	HCL	HNO3	NaHSO4	ICE	NONE	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
30072	MW#2	2	40 ml	X				X			X		8-28-00	8:56am	X											
↓	MW#2	1	1	X							X							X								
	MW#2	1	.5L	X							X														X	X
	MW#2	1	.5L	X					X		X								X							
	MW#2	1	.5L	X				X			X						X									
30073	MW#1	2	40 ml	X				X			X			9:26am	X											
↓	MW#1	1	L	X							X							X								
	MW#1	1	.5L	X							X														X	X
	MW#1	1	.5L	X					X		X								X							
	MW#1	1	.5L	X				X			X						X									

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Simon Casas	8/28/00	9:38am	Beth Aldrich	8/28/00	9:38am

Relinquished by:	Date:	Time:	Received at Lab by:	Date:	Time:
Beth Aldrich	8/28/00	11:20 am MST	Roland K. Tuttle	8/29/00	12:20

REMARKS: Metals: Heavy metal scan 30°F
Fax results to (505) 397-4701
mail results to EOTT
Invoice EOTT

Sep 11 00 04:33p p.6

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ 27 deg. F
Project #: EOT 2069C
Project Name: Monument Barber Estate (Sour) P/L
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 08/30/00
Analysis Date: 09/05/00

ELT#	FIELD CODE/SAMPLE DATE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
30261	MW 4 / 8-29-00	<0.001	<0.001	<0.001	<0.001	<0.001
30262	EB 1 / 8-30-00	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	103	100	103	106	99
	% EA	104	104	106	110	102
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

9-12-00
Date

Environmental Technology Group, Inc. ETGI — Environmental Consulting & Remediation Services

For Use On **EOTT ENERGY CORP.** Projects 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) 582-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
(Circle or Specify Method No.)
COC 213

GS per (Ken Dutton 8-30-00)

Project Manager: KEN DUTTON

Project Name: MONUMENT 10" (SOUR) LEAK

Project Number: EOT 2069C

Project Location: MONUMENT, NM

Sampler Signature: Simon Casas

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/~~8260~~	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~~) 6010 ~~8010~~	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	6010 - Al, Be, Bo, Cu, Co, Cu, Fe, Mg, Mn, Mo, Ni, Si, Sn, V, Zn, Na, K			
	MW 4	6	V.S L	X				X	X		X		8-29	8:34	X		X	X	X						X	X	X	X	X	
	EB 1	1	V	X				X			X		8-30	8:50	X		X	X												
																	D													

Relinquished by: Date: Time:
Simon Casas 8/30/00 0905

Received by: Date: Time:
Daniel Isaac 8-30 9:50

Relinquished by: Date: Time:
Daniel Isaac 8-30-00 1:30

Received at Lab by: Date: Time:
M Murray 08-30-0 1330

REMARKS:
Rec 27°F

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ -2.5 deg. C
Project #: EOT 2069C/ 2000-10655
Project Name: Monument 10" Sour (6") Leak
Project Location: Monument, N.M.

Sampling Date: 12/12/00
Receiving Date: 12/16/00
Analysis Date: 12/20/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
35359	MW 1	0.210	<0.001	0.004	<0.001	<0.001
35360	MW 2	0.652	0.048	0.111	0.223	0.018
35361	MW 4	0.001	<0.001	<0.001	<0.001	<0.001
35362	RW 1	0.408	0.003	0.189	0.227	<0.001
35363	RW 2	0.635	0.040	0.170	0.267	0.022
35364	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001
	%IA	87	88	93	94	89
	%EA	87	86	85	86	85
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

12-21-00
Date

[redacted] COC # [redacted] Pa[redacted] of [redacted]

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

Environmental Technology Group, Inc
Environmental Consulting & Remediation Services

4600 West Wall
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Midland, TX 79702
Tel (915) 687-3400
Fax (915) 582-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
(Circle or Specify Method No.)

Project Manager: KEN DUTTON
EOTT Leak Number: 2000-10655
Project Name: MONUMENT 10" SOUR (6") LEAK
ETGI Project Number: EOT 2069C
Project Location: MONUMENT, NM
Sampler Signature: [illegible]

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 2000	TIME	[✓ BTEX 8021B]	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
	MW 1	3	VS	X				X			X		12-12	1005	X		X									
	MW 2													0955												
	MW 4													0933												
	RW 1													1020												
	RW 2													1045												
	EB 1	2												1048												

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[illegible]	12-15-00	1000	[illegible]	12-15-00	1600

Relinquished by:	Date:	Time:	Received at Lab by:	Date:	Time:
[illegible]	12-16-00	11:30	[illegible]	12-16-00	1130

REMARKS:
FAX RESULTS: HOBBS
MAIL RESULTS: EOTT
INVOICE: EOTT
Rec -2.5°C