

GW - 294

**MONITORING
REPORTS**

DATE:

2005-2000

2005
ANNUAL MONITORING REPORT

TEXACO SKELLY F
SW ¼ NW ¼ SECTION 21, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS EMS NUMBER: 2002-11229
NMOCD Reference Number 1R-0420

Prepared For:

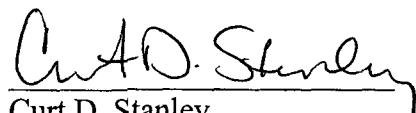
PLAINS MARKETING, L.P.
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March, 2006


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ENCLOSED ON DATA DISK

2005 Annual Monitoring Report

2005 Tables 1 and 2 - Groundwater Elevation, and BTEX Concentration

2005 Figures 1, 2A-2D, and 3A-3D

Electronic Copies of Laboratory Reports

Historic Tables 1 and 2 - Groundwater Elevation and BTEX Concentration Tables

INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit 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. Beginning on May 29, 2004, project management responsibilities for the Texaco Skelly F site (the site) were assumed by NOVA. The site was previously managed by Environmental Technology Group, Inc (ETGI). The site, which was formerly the responsibility of Enron Oil Trading and Transportation (EOTT), is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2005 only. However, historic data tables as well as 2005 laboratory analytical reports are presented on the enclosed data disk. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2005 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH on the water column and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site is SW ¼ NW ¼ Section 21, Township 20 South, Range 37 East. The release was discovered by the Texas-New Mexico Pipeline Company (TNM) on the four-inch crude oil transportation line. The pipeline was apparently repaired with a clamp. No information is currently available documenting the discovery date, release volume or nature of line failure. The Release Notification and Corrective Action Form (C-141) is provided as Appendix A. No site excavation activities have been conducted onsite regarding this release. A Geoprobe® Rig was utilized during the initial site investigation to delineate crude oil impacted soil. Laboratory analysis of soil samples collected during this initial stage of the investigation indicates that subsurface soil impacted by the crude oil release were limited to areas at and below the surface staining.

Six groundwater monitor wells (MW-1 through MW-6) and one product recovery well (RW-1) are currently onsite. Manual product recovery is now being conducted weekly from recovery well RW-1 and when present, from monitor well MW-4. All monitor and product recovery wells are sampled on a quarterly schedule.

FIELD ACTIVITIES

During each quarterly event, recovery well RW-1 displayed a measurable thickness of PSH and was not sampled. A maximum thickness of 2.63 feet of PSH was detected in RW-1 on July 13, 2005. Gauging data is provided as Table 1. Monitor well MW-4 exhibited a PSH thickness of 0.01 feet during the third and fourth quarters of 2005 and was not sampled. Approximately 302

gallons (approximately 7.2 barrels) of PSH has been recovered since project inception. Approximately 127 gallons (approximately 3 barrels) of PSH was recovered from the site during the 2005 reporting period.

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004 and amended by NMOCD correspondence dated June 22, 2005.

NMOCD Approved Sampling Schedule	
MW-1	Annually
MW-2	Annually
MW-3	Annually
MW-4	Annually
MW-5	Quarterly
MW-6	Annually
RW-1	Quarterly

The site monitor wells were gauged and sampled on the following dates in 2005: March 18, June 16, September 13, and December 15. During each sampling event, sampled monitor wells were purged of approximately three well volumes of water or until the wells failed to produce water using a PVC bailer or electric Grundfos Pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were collected in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Key Energy of Hobbs, New Mexico utilizing a licensed disposal facility (NMOCD AO SWD-730).

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during the four (4) quarterly events, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2005 is provided as Table 1. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.002 feet/foot to the south-southeast as measured between groundwater monitor wells MW-1 and MW-6. This is consistent with data presented on Figures 2A through 2C from earlier in the year. Corrected groundwater elevations ranged between 3496.94 and 3,493.85 feet above mean sea level, in MW-3 on March 18, 2005 and MW-4 on March 18, 2005, respectively.

LABORATORY RESULTS

Recovery well RW-1 contained measurable PSH throughout the reporting period and was not sampled. Monitor well MW-4 contained measurable PSH during the third and fourth quarter sampling event and was not sampled during these quarters.

Groundwater samples collected during the 2005 quarterly monitoring events were delivered to Trace Analysis, Inc., of Lubbock, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method SW846-8021b. A listing of BTEX constituent concentrations for 2005 is summarized in Table 2 and copies of the laboratory reports for 2005 are provided on the enclosed disk. The inferred extent of PSH and groundwater sampling results for benzene and total BTEX constituent concentrations are depicted on Figures

3A-3D, the Groundwater Concentration Maps. Review of the laboratory results generated from analysis of the groundwater samples obtained during this annual reporting period indicate a benzene concentration above the applicable NMOCD regulatory standards in monitor well MW-4 only. The total BTEX constituent concentration displayed by this sample was below the applicable NMOCD regulatory standard. Review of the laboratory analytical results of the groundwater samples obtained during this annual reporting period from monitor wells MW-1, MW-2, MW-3, MW-5 and MW-6 indicate both benzene and BTEX constituent concentrations remain below the applicable NMOCD regulatory standards. As mentioned above, recovery well RW-1 exhibited PSH during each sampling event of 2005 and was not sampled.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in section 20.6.2.3103 of the New Mexico Administrative Code.

SUMMARY

This report presents the results of monitoring activities for the 2005 annual monitoring period. Six groundwater monitor wells (MW-1 through MW-6) and one product recovery well (RW-1) are currently onsite. Manual product recovery is now being conducted weekly from recovery well RW-1 and, when present, from monitor well MW-4. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.002 ft./ft. to the south-southeast.

Recovery well RW-1 displayed measurable thicknesses of PSH during each gauging event of the reporting period. Monitor well MW-4 exhibited a PSH thickness of 0.01 feet during the third and fourth quarters of 2005 and was not sampled. Approximately 127 gallons (approximately 3 barrels) of PSH has been recovered from the site during the reporting period, with approximately 302 gallons (approximately 7.2 barrels) of PSH having been recovered from the site since project inception in January of 2003. At this time, PSH impact appears to be limited to RW-1.

Review of the laboratory analytical results of the groundwater samples obtained during this annual reporting period indicate benzene and total BTEX constituent concentrations are below the applicable NMOCD regulatory standards in five (5) of the seven (7) monitor and recovery wells on site. RW-1 consistently displayed measurable thicknesses of PSH during each sampling event and was not sampled. Additionally, the dissolved phase benzene concentration in MW-4 has been above the NMOCD regulatory standard.

Dissolved phase impact above the applicable NMOCD regulatory standard appears to be limited to the area bounded by monitor well MW-4 and recovery well RW-1 at this time. No trends with respect to changing dissolved phase impact are apparent from the analytical data.

ANTICIPATED ACTIONS

Quarterly groundwater gauging and sampling will continue in 2006.

Additional site delineation is required with respect to the occurrence of PSH and dissolved phase constituents in groundwater. A work plan is currently in place to further delineate the extent of impact to the southern portion of the site with the installation of one additional monitor well and one or possibly two additional recovery wells. In addition, Plains plans to advance three soil borings at the site to vertically delineate impact soil beneath the surface stain. It is anticipated that drilling will commence in the Spring of 2006.

LIMITATIONS

NOVA has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

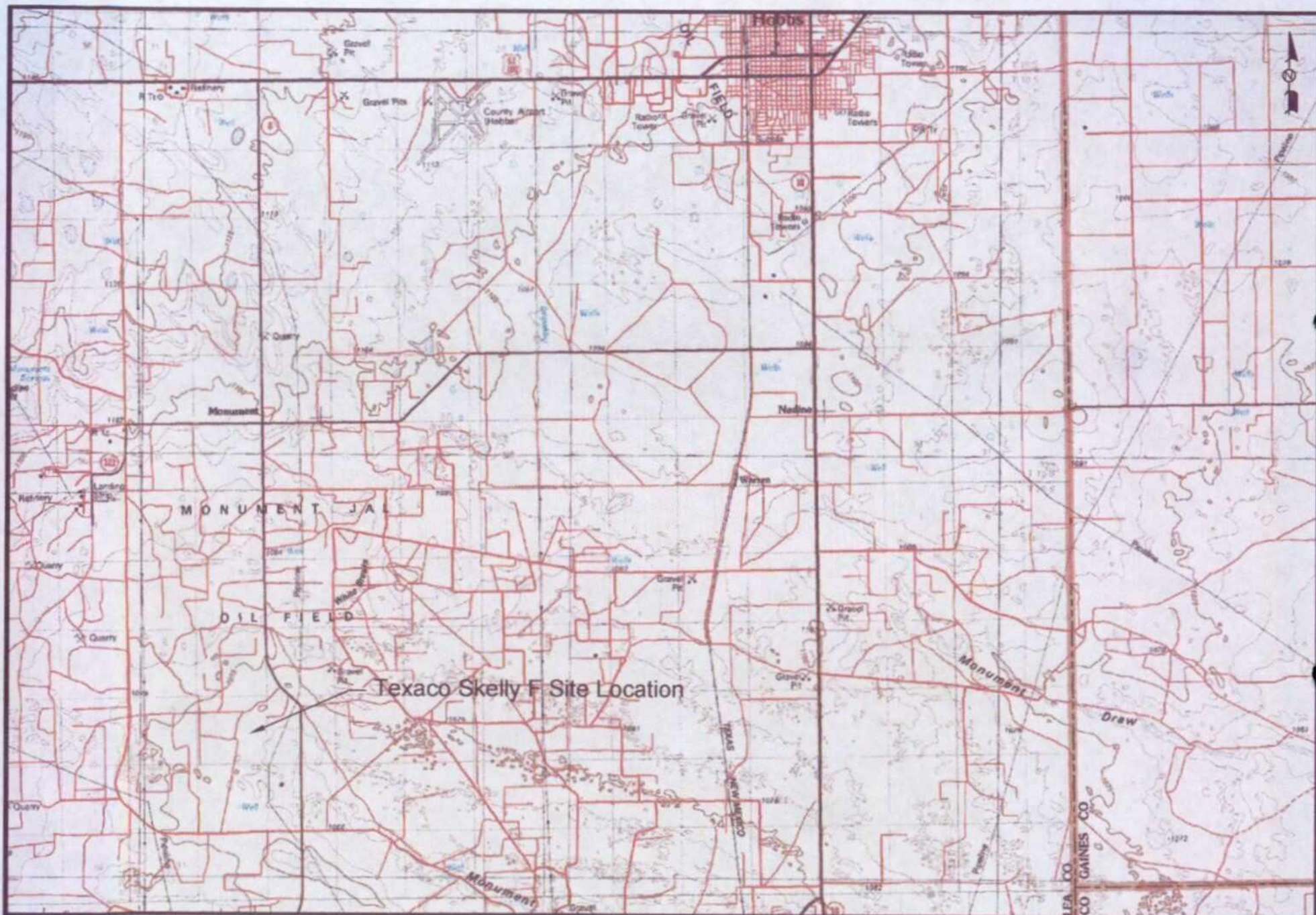
NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of NOVA and/or Plains.

DISTRIBUTION

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Figures



SW1/4 NW1/4 Section 21, T20S, R37E



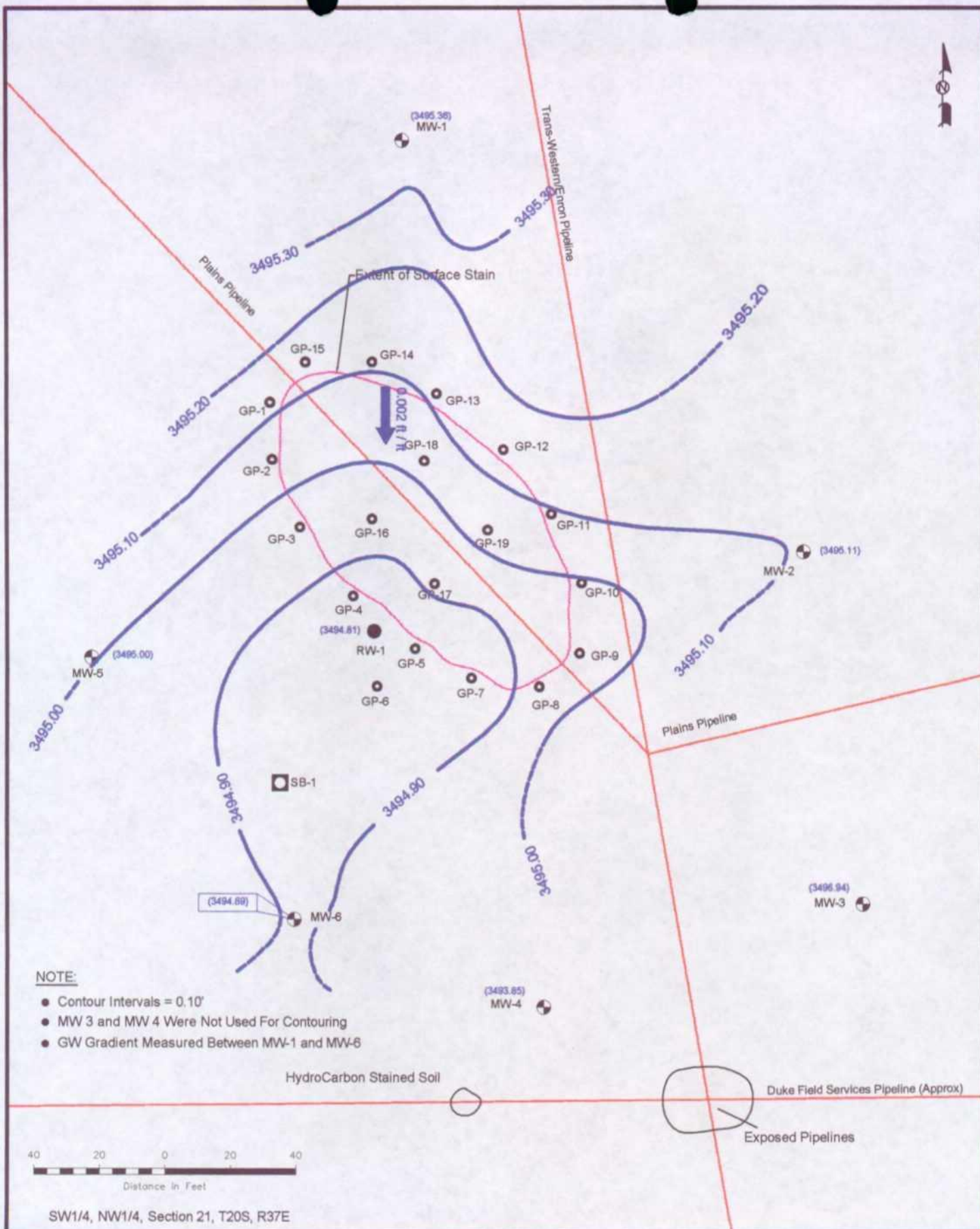
Figure 1
Site Location Map
Plains Marketing, L.P.
Texaco Skelly F
Lea County, NM

NOVA Safety and Environmental



February 13, 2005 Scale: 1" = 6 Miles Prep By: OPM

Checked By: MRE



●	GeoProbe Sample Location	—	Pipeline
●	Monitor Well Location	(3493.85)	Groundwater Elevation (feet)
●	Recovery Well	—	Groundwater Elevation Contour Line
□	Soil Boring Location	0.002 ft/ft	Groundwater Gradient Direction & Magnitude

Figure 2A
Inferred Groundwater
Gradient Map
(3/18/05)
Plains Marketing, L.P.
Texaco Skelly "F" Site
Lea County, NM

NOVA Safety and Environmental

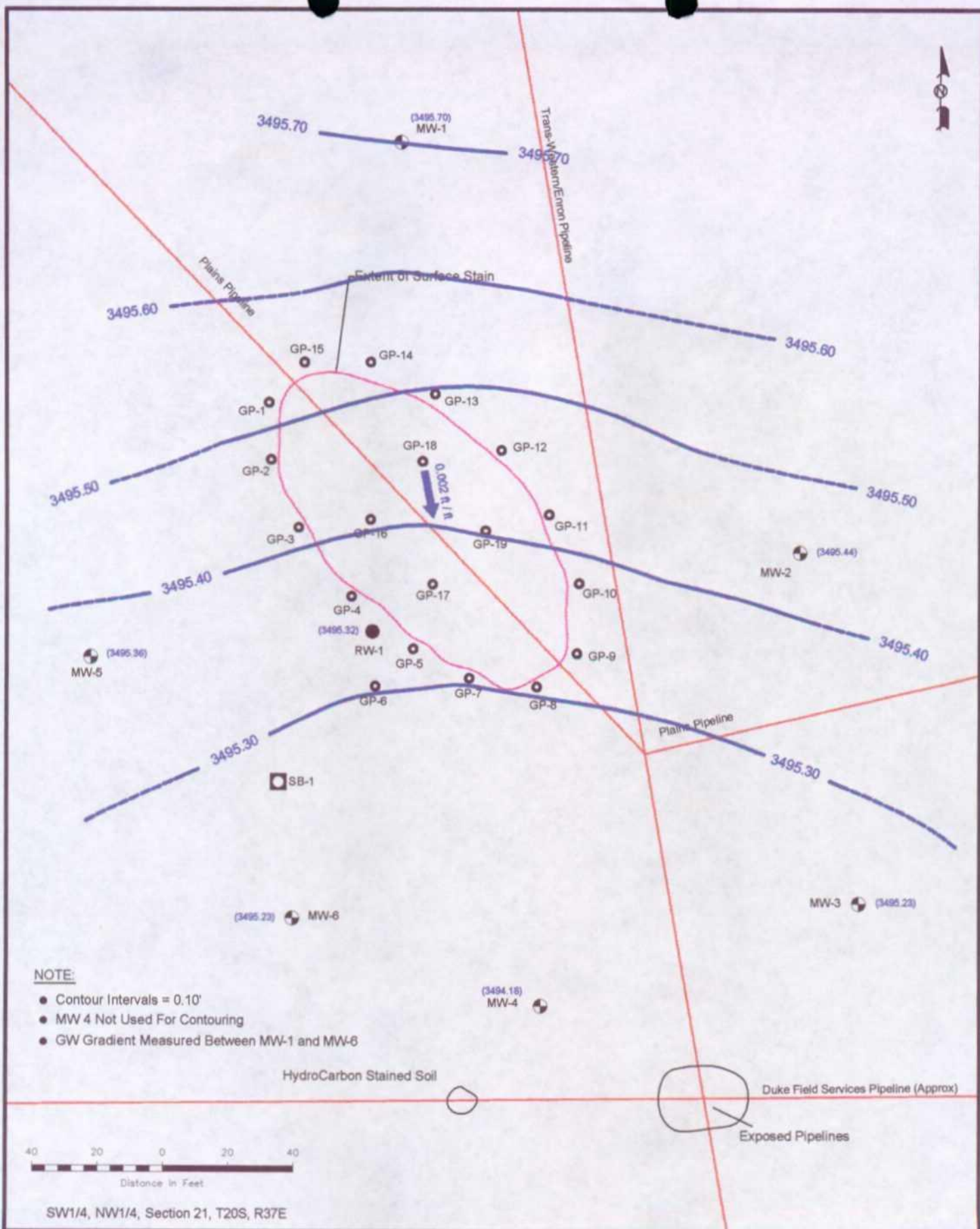


July 26, 2005

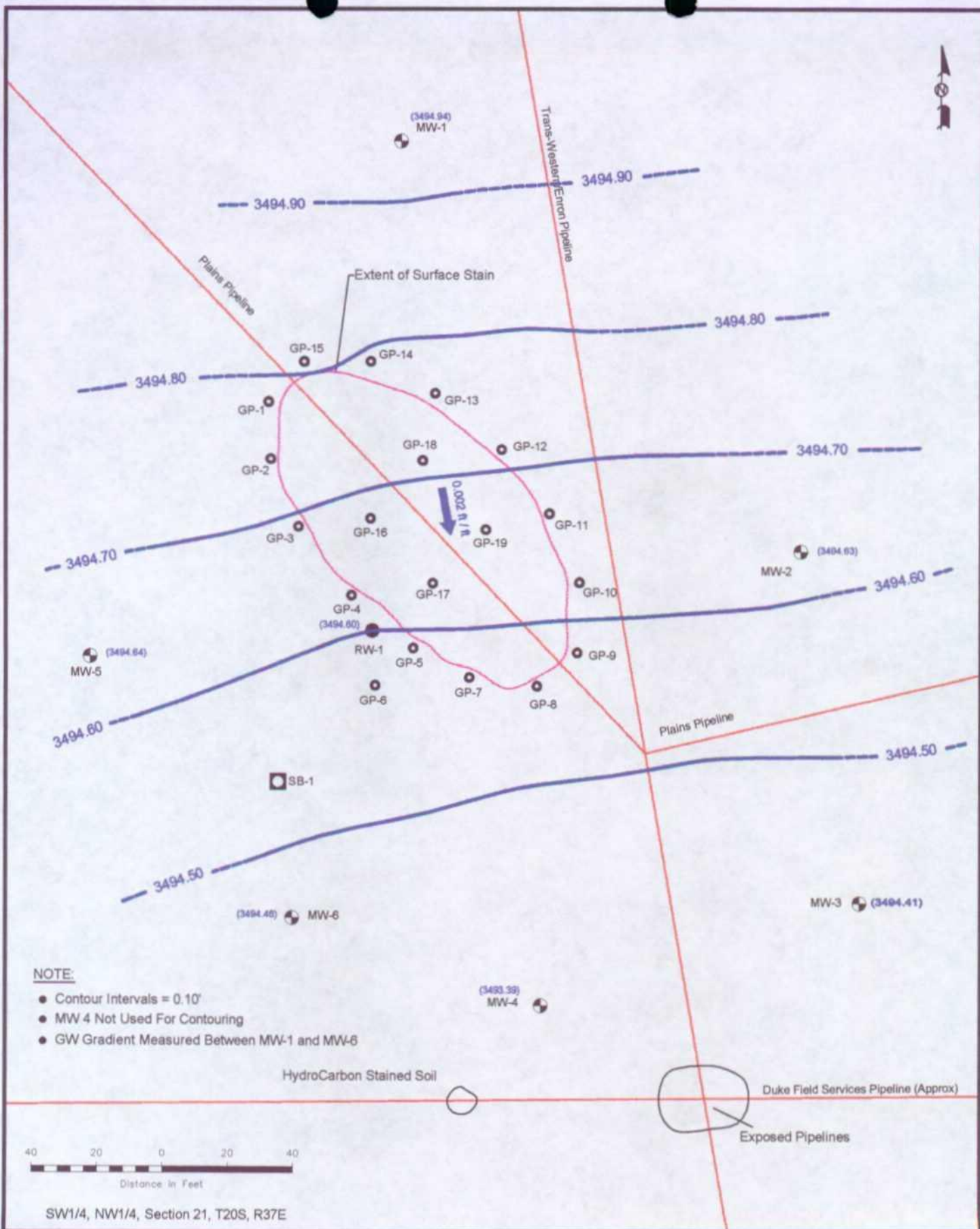
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Prep By: OPM

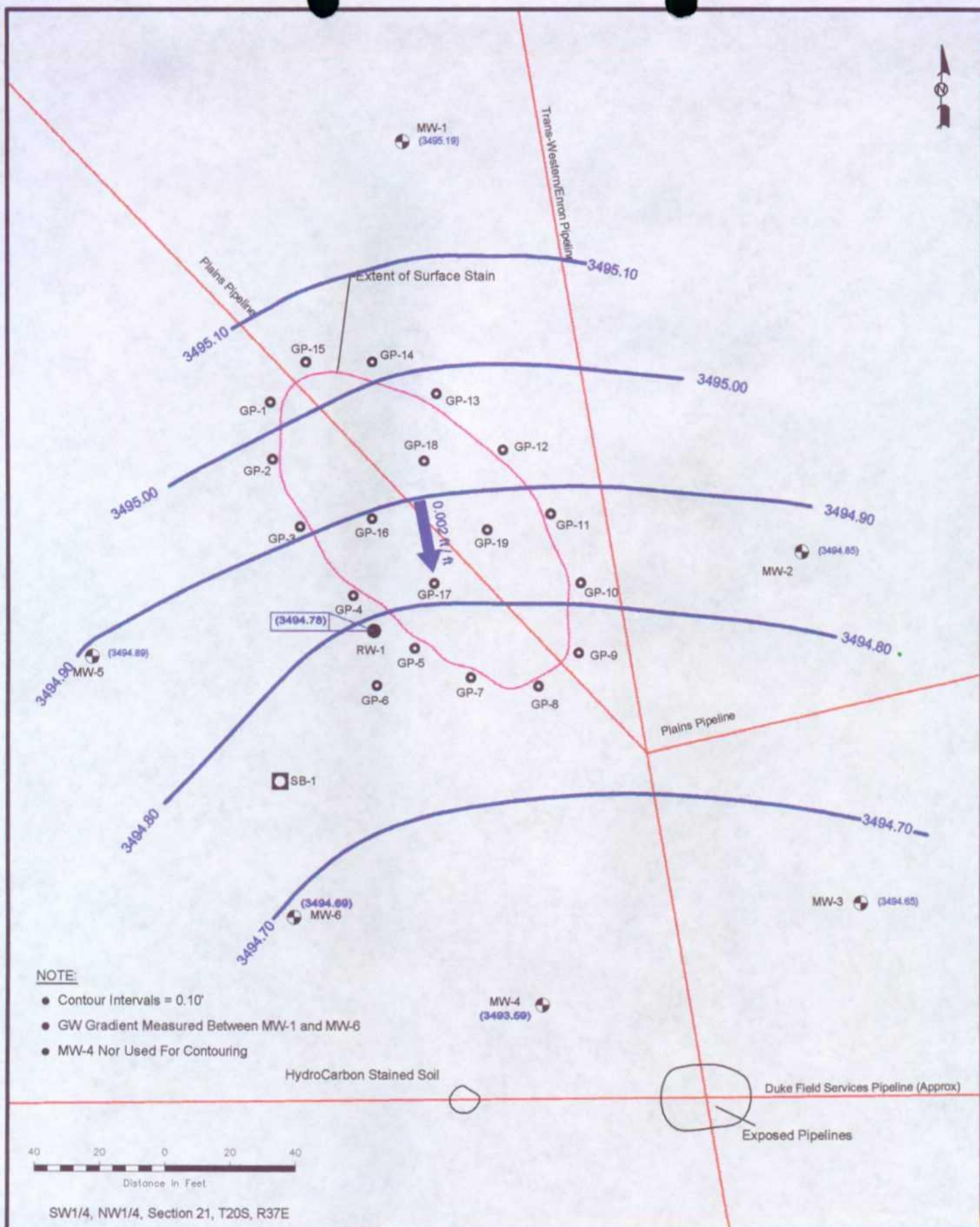
Checked By: COS



Legend: GeoProbe Sample Location Monitor Well Location Recovery Well Soil Boring Location		Figure 2B Inferred Groundwater Gradient Map (6/16/05) Plains Marketing, L.P. Texaco Skelly "E" Site Lea County, NM		NOVA Safety and Environmental 	
		Pipeline (3492.54) Groundwater Elevation (feet) Groundwater Elevation Contour Line 0.002 ft/ft Groundwater Gradient Direction & Magnitude		July 6, 2005 Scale: 1" = 40' Prep By: CPM Checked By: CDB	



Legend: GeoProbe Sample Location Monitor Well Location Recovery Well Soil Boring Location	Pipeline (3494.94) Groundwater Elevation (feet) Groundwater Elevation Contour Line 0.002 ft/ft Groundwater Gradient Direction & Magnitude	Figure 2C Inferred Groundwater Gradient Map (9/13/05) Plains Marketing, L.P. Texaco Skelly "F" Site Lee County, NM	NOVA Safety and Environmental NOVA <small>safety and environmental</small> <div> October 05, 2005 Scale: 1" = 40' Prep By: CPM Checked By: CDS </div>
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●	GeoProbe Sample Location	—	Pipeline
⊙	Monitor Well Location	(3494.69)	Groundwater Elevation (feet)
●	Recovery Well	—	Groundwater Elevation Contour Line
□	Soil Boring Location	0.002 ft/ft	Groundwater Gradient Direction & Magnitude

Figure 2D
Inferred Groundwater
Gradient Map
(12/15/05)
Plains Marketing, L.P.
Texaco Skelly "F" Site
Lea County, NM

NOVA Safety and Environmental



January 04, 2006 Scale: 1"=40'

Prep By: DPM

Checked By: CDS

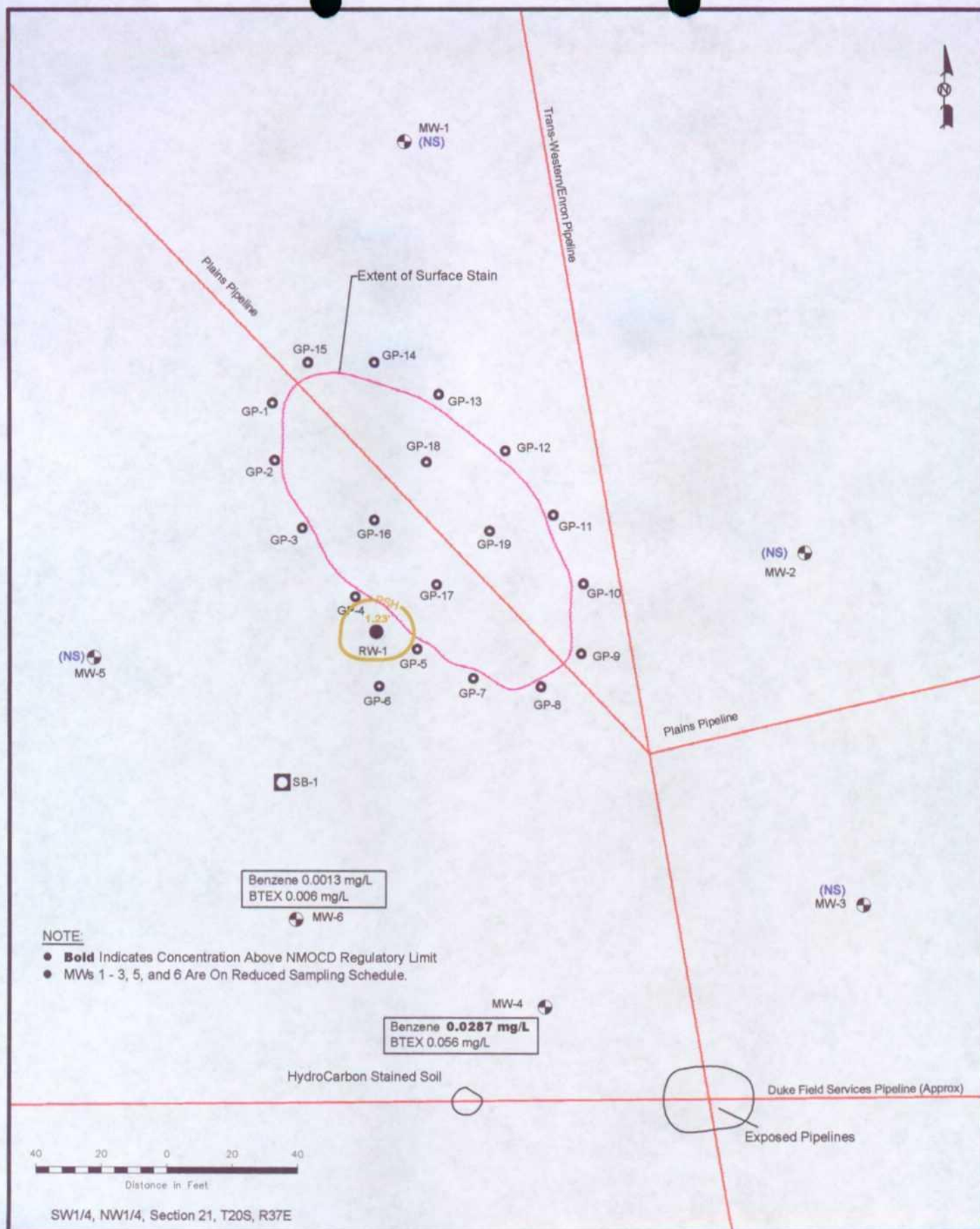


Figure 3A
Groundwater Concentration and Inferred PSH Extent Map (3-18-05)
Plains Pipeline, L.P.
Texaco Skelly "F" Site
Lee County, NM

NOVA Safety and Environmental

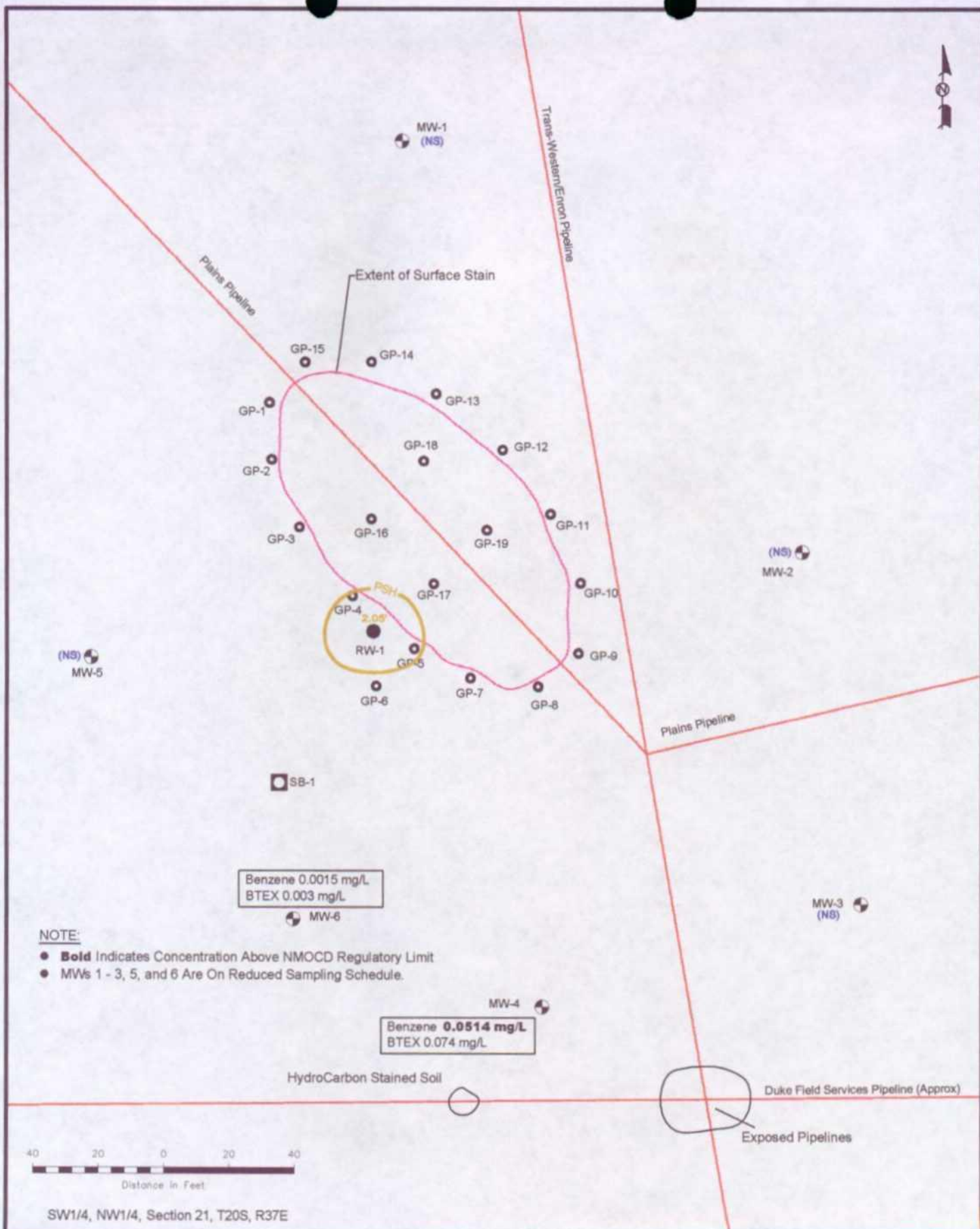


July 25, 2005

Scale: 1" = 40'

Prep By: OPM

Checked By: CDS



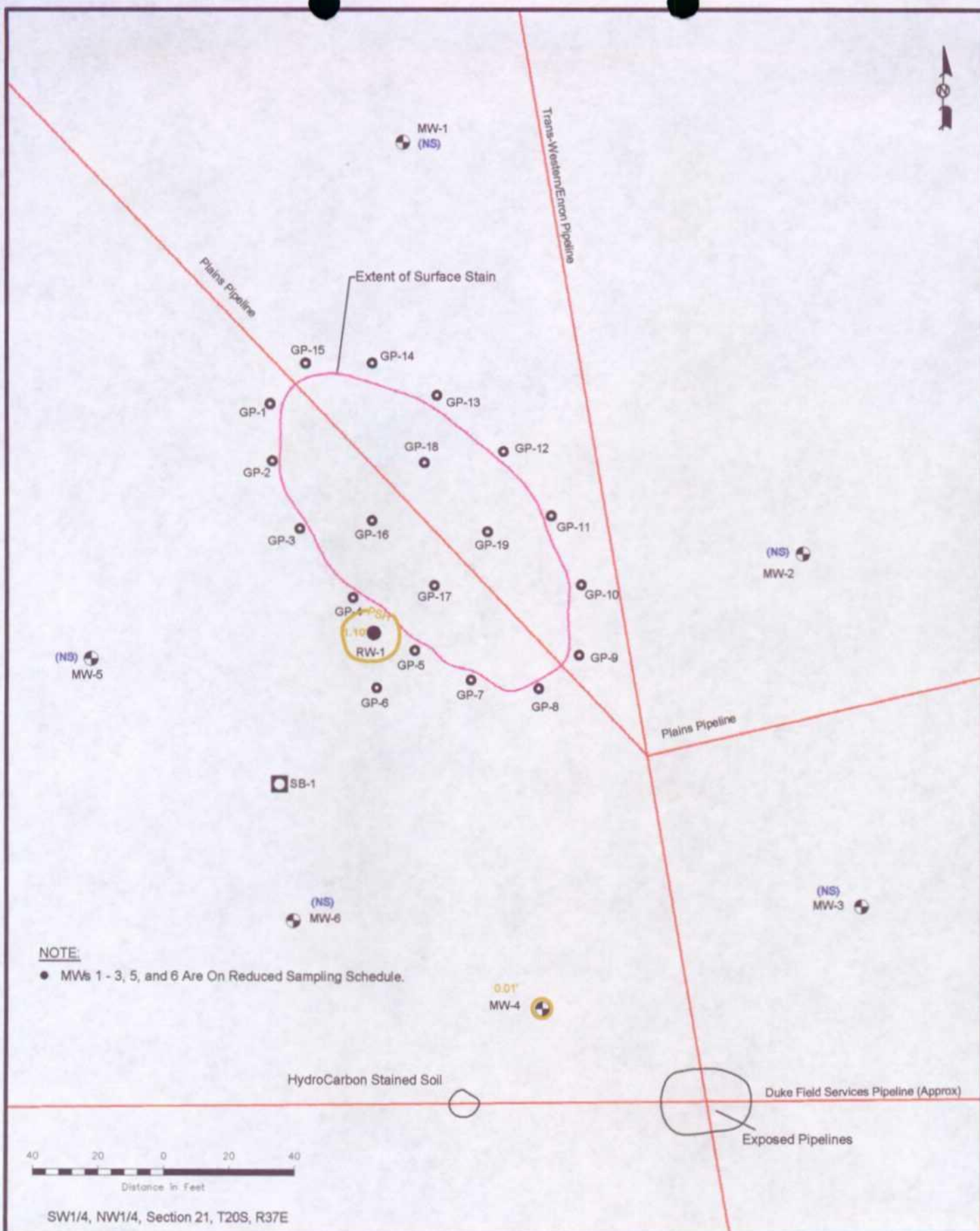
Legend	
	GeoProbe® Sample Location
	Monitor Well Location
	Recovery Well
	Soil Boring Location
	0.0015 Constituent Concentration (mg/L)
	Inferred Extent of PSH
	2.05' Thickness of PSH (feet)
	(NS) Not Sampled

Figure 3B
Groundwater Concentration
and Inferred PSH Extent
Map (6/16/05)
Plains Pipeline, L.P.
Texasco Skelly "F" Site
Lea County, NM

NOVA Safety and Environmental



July 25, 2006 Scale: 1" = 40' Prep By: DPM
Checked By: CDS



Legend:	
GeoProbe® Sample Location	Pipeline
Monitor Well Location	Inferred Extent of PSH
Recovery Well	0.01" Thickness of PSH (feet)
Soil Boring Location	(NS) Not Sampled

Figure 3C
Groundwater Concentration
and Inferred PSH Extent
Map (9/13/05)
Plains Pipeline, L.P.
Texaco Skelly "F" Site
Lee County, NM

NOVA Safety and Environmental

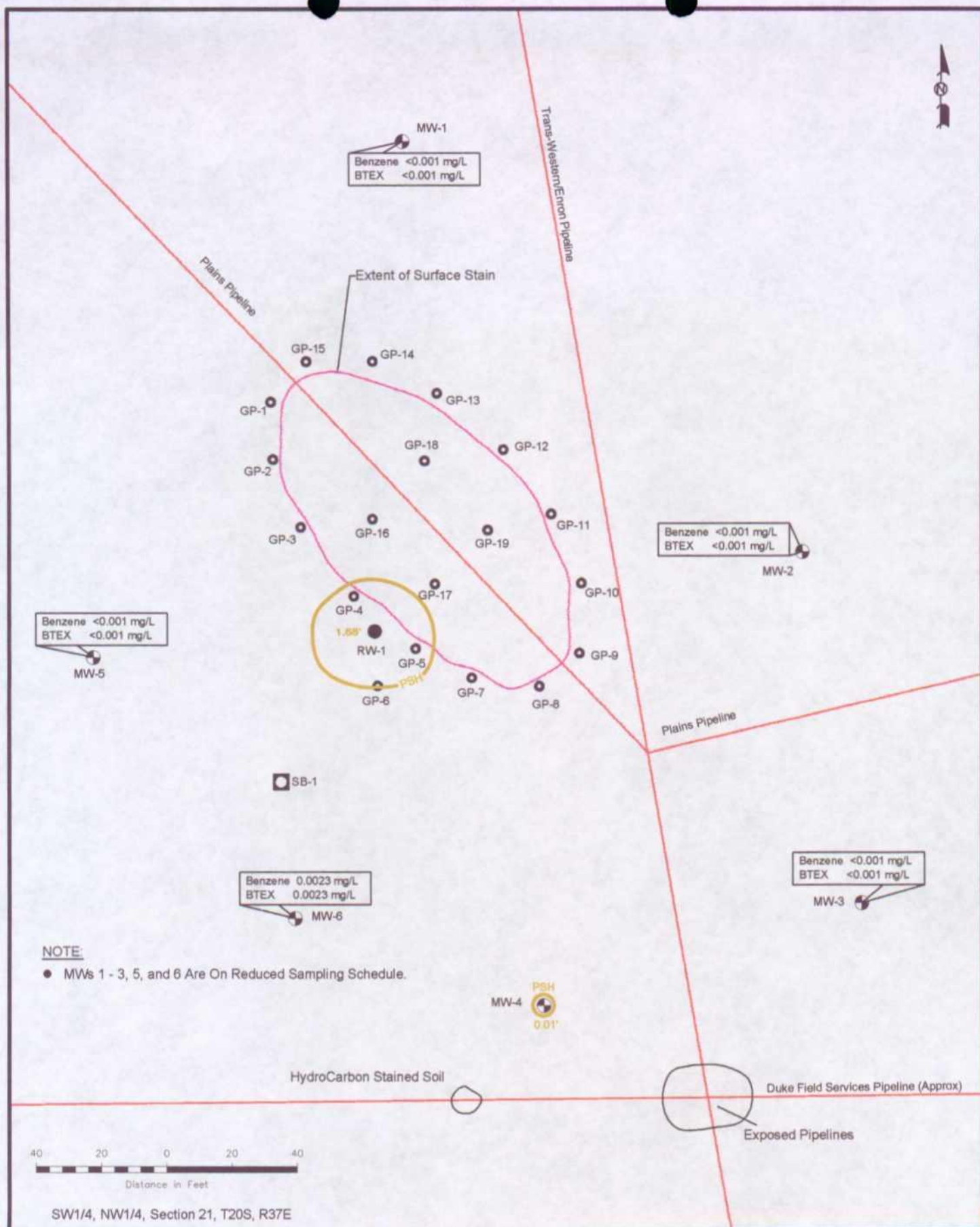


October 28, 2005

Scale: 1" = 40'

Prep By: GPM

Checked By: CDB



NOVA Safety and Environmental

January 04, 2006 Scale: 1" = 40'

Prep By: DPM

Checked By: CDS

Tables

TABLE 1

2005 GROUNDWATER ELEVATION TABLE

PLAINS MARKETING, L.P.
 TEXACO SKELLY F
 LEA COUNTY, NM

Well Number	Date Measured	Top of Casing Elevation	Depth to Product	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
MW-1	03/18/05	3521.04	-	25.68	0.00	3495.36
	06/16/05	3521.04	-	25.34	0.00	3495.70
	09/13/05	3521.04	-	26.10	0.00	3494.94
	12/15/05	3521.04	-	25.85	0.00	3495.19
MW-2	03/18/05	3518.80	-	23.69	0.00	3495.11
	06/16/05	3518.80	-	23.36	0.00	3495.44
	09/13/05	3518.80	-	24.17	0.00	3494.63
	12/15/05	3518.80	-	23.95	0.00	3494.85
MW-3	03/18/05	3520.52	-	23.58	0.00	3496.94
	06/16/05	3520.52	-	25.29	0.00	3495.23
	09/13/05	3520.52	-	26.11	0.00	3494.41
	12/15/05	3520.52	-	25.87	0.00	3494.65
MW-4	03/18/05	3519.91	-	26.06	0.00	3493.85
	06/16/05	3519.91	-	25.73	0.00	3494.18
	08/10/05	3519.91	sheen	26.69	0.00	3493.22
	09/13/05	3519.91	26.52	26.53	0.01	3493.39
	12/15/05	3519.91	26.32	26.33	0.01	3493.59
MW-5	03/18/05	3519.62	-	24.62	0.00	3495.00
	06/16/05	3519.62	-	24.26	0.00	3495.36
	09/13/05	3519.62	-	24.98	0.00	3494.64
	12/15/05	3519.62	-	24.73	0.00	3494.89
MW-6	03/18/05	3520.71	-	25.82	0.00	3494.89
	06/16/05	3520.71	-	25.48	0.00	3495.23
	09/13/05	3520.71	-	26.25	0.00	3494.46
	12/15/05	3520.71	-	26.02	0.00	3494.69
RW-1	01/05/05	3519.68	25.22	27.30	2.08	3494.15
	01/13/05	3519.68	25.10	27.11	2.01	3494.28
	01/18/05	3519.68	25.15	25.93	0.78	3494.41
	01/27/05	3519.68	25.01	25.68	0.67	3494.57
	02/03/05	3519.68	25.19	25.60	0.41	3494.43
	02/10/05	3519.68	24.99	25.43	0.44	3494.62
	02/17/05	3519.68	25.25	25.79	0.54	3494.35
	02/24/05	3519.68	24.75	25.98	1.23	3494.75
	03/03/05	3519.68	24.60	25.99	1.39	3494.87

TABLE 1

2005 GROUNDWATER ELEVATION TABLE

PLAINS MARKETING, L.P.
 TEXACO SKELLY F
 LEA COUNTY, NM

Well Number	Date Measured	Top of Casing Elevation	Depth to Product	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
RW-1	03/10/05	3519.68	24.50	26.18	1.68	3494.93
	03/18/05	3519.68	24.69	25.92	1.23	3494.81
	03/18/05	3519.68	24.69	25.92	1.23	3494.81
	03/24/05	3519.68	24.79	25.78	0.99	3494.74
	03/31/05	3519.68	24.35	25.81	1.46	3495.11
	04/07/05	3519.68	24.32	25.86	1.54	3495.13
	04/15/05	3519.68	24.30	25.30	1.00	3495.23
	05/27/05	3519.68	24.08	25.60	1.52	3495.37
	06/02/05	3519.68	24.02	25.61	1.59	3495.42
	06/14/05	3519.68	24.05	26.10	2.05	3495.32
	06/16/05	3519.68	24.05	26.10	2.05	3495.32
	06/23/05	3519.68	24.11	26.70	2.59	3495.18
	06/28/05	3519.68	24.31	25.70	1.39	3495.16
	07/13/05	3519.68	24.50	27.13	2.63	3494.79
	07/19/05	3519.68	24.70	26.63	1.93	3494.69
	07/27/05	3519.68	24.78	27.02	2.24	3494.56
	08/01/05	3519.68	24.89	26.92	2.03	3494.49
	08/10/05	3519.68	24.90	27.34	2.44	3494.41
	08/16/05	3519.68	24.85	26.63	1.78	3494.56
	08/24/05	3519.68	24.88	27.29	2.41	3494.44
	08/30/05	3519.68	24.86	27.03	2.17	3494.49
	09/07/05	3519.68	24.76	26.88	2.12	3494.60
	09/13/05	3519.68	24.75	27.32	2.57	3494.54
	09/13/05	3519.68	24.92	26.02	1.10	3494.60
	09/20/05	3519.68	24.90	27.02	2.12	3494.46
	09/28/05	3519.68	24.80	27.15	2.35	3494.53
	10/07/05	3519.68	25.06	26.52	1.46	3494.40
	10/11/05	3519.68	25.15	25.29	0.14	3494.51
	10/18/05	3519.68	24.95	26.10	1.15	3494.56
	10/31/05	3519.68	25.18	26.22	1.04	3494.34
	11/10/05	3519.68	24.69	26.49	1.80	3494.72
	11/14/05	3519.68	24.76	26.35	1.59	3494.68
	11/23/05	3519.68	24.71	26.10	1.39	3494.76
	11/28/05	3519.68	24.66	26.17	1.51	3494.79
	12/07/05	3519.68	24.71	25.96	1.25	3494.78
	12/12/05	3519.68	24.57	26.38	1.81	3494.84
	12/15/05	3519.68	24.67	25.70	1.03	3494.86
	12/19/05	3519.68	24.65	26.33	1.68	3494.78
RW-1	12/28/05	3519.68	24.51	26.00	1.49	3494.95

Note : NM denotes parameter not measured due to site access restrictions imposed by landowner.

Note: Elevations based on the North American Vertical Datum of 1929.

TABLE 2

2005 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TEXACO SKELLY "F"
 LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA Method SW 846-8021B				
		BENZENE	TOLUENE	ETHYL-BENZENE	m - p XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62	
MW-1	03/18/05	Not Sampled Due to Sample Reduction				
	06/16/05	Not Sampled Due to Sample Reduction				
	09/13/05	Not Sampled Due to Sample Reduction				
	12/15/05	<0.001	<0.001	<0.001	<0.001	
MW-2	03/18/05	Not Sampled Due to Sample Reduction				
	06/16/05	Not Sampled Due to Sample Reduction				
	09/13/05	Not Sampled Due to Sample Reduction				
	12/22/05	<0.001	<0.001	<0.001	<0.001	
MW-3	03/18/05	Not Sampled Due to Sample Reduction				
	06/16/05	Not Sampled Due to Sample Reduction				
	09/13/05	Not Sampled Due to Sample Reduction				
	12/15/05	<0.001	<0.001	<0.001	<0.001	
MW-4	03/18/05	0.0287	<0.005	0.015	0.0123	
	06/16/05	0.0514	<0.005	0.0094	0.0132	
	09/13/05	Not Sampled Due to PSH in Well				
	12/15/05	Not Sampled Due to PSH in Well				
MW-5	03/18/05	Not Sampled Due to Sample Reduction				
	06/16/05	Not Sampled Due to Sample Reduction				
	09/13/05	Not Sampled Due to Sample Reduction				
	12/15/05	<0.001	<0.001	<0.001	<0.001	
MW-6	03/18/05	0.0013	<0.001	0.0045	<0.001	
	06/16/05	0.0015	<0.001	0.0014	<0.001	
	09/13/05	Not Sampled Due to Sample Reduction				
	12/15/05	0.0023	<0.001	<0.001	<0.001	
RW-1	03/18/05	Not Sampled Due to PSH in Well				
	06/16/05	Not Sampled Due to PSH in Well				
	09/13/05	Not Sampled Due to PSH in Well				
	12/15/05	Not Sampled Due to PSH in Well				

Concentrations in **BOLD** are above the applicable NMOCD Regulatory Standard.

Appendices

Appendix A:
Notification of Release and Corrective
Action (Form C-141)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	Texaco Skelly F	Facility Type:	4" Steel Pipeline
Surface Owner:	Millard Deck Estate	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	21	20S	37E					Lea

Latitude 32 degrees 33' 48.02" Longitude 103 degrees 15' 48.08"

NATURE OF RELEASE

Type of Release:	Crude Oil	Volume of Release:	30	Volume Recovered	0
Source of Release:	4" Steel Pipeline	Date and Hour of Occurrence	09/15/1998	Date and Hour of Discovery	09/15/1998 02:00 PM
Was Immediate Notice Given?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Donna Williams		
By Whom?	Frank Hernandez	Date and Hour	02/02/01 02:30 PM		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Internal corrosion of 4" steel pipeline. Forty feet of the line was replaced.

Describe Area Affected and Cleanup Action Taken.* Forty feet of the line was replaced. The aerial extent of surface impact was approximately 30' x 100'.

NOTE: This information was obtained from historical EOTT files, Plains acquired EOTT/Link on April 1, 2004 and Plains assumes this information to be correct.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature:	Approved by District Supervisor:		
Printed Name:	Camille Reynolds	Approval Date:	Expiration Date:
Title:	Remediation Coordinator	Conditions of Approval:	Attached <input type="checkbox"/>
E-mail Address:	cjreynolds@paalp.com		
Date: 3/21/2005	Phone: (505)441-0965		

Attach Additional Sheets If Necessary



PLAINS PIPELINE

September 23, 2005

Mr. Ed Martin
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains Pipeline – Plugging and Abandonment of Monitor Wells
8 Sites in Lea County, New Mexico

Dear Mr. Martin:

Please find attached for your review the Plugging and Abandonment of Monitor Wells Reports for the following Plains sites:

Bob Durham	Section 32, Township 19 South, Range 37 East, Lea County
Darr Angell #2	Sections 11 and 14, Township 15 South, Range 37 East, Lea County
HDO 90-23	Section 6, Township 20 South, Range 37 East, Lea County
TNM Monument 17	Section 29, Township 19 South, Range 37 East, Lea County
TNM Monument 18	Section 7, Township 20 South, Range 37 East, Lea County
GW-294 TNM 97-04	Section 11, Township 16 South, Range 35 East, Lea County
TNM 97-18	Section 28, Township 20 South, Range 37 East, Lea County
SPS-11	Section 18, Township 18 South, Range 36 East, Lea County

If you have any questions or require further information, please contact me at (505) 441-0965.

Sincerely,

Camille Reynolds for C.S.R.

Camille Reynolds
Remediation Coordinator
Plains Pipeline

Enclosures

September 16, 2005

Mr. Ed Martin
New Mexico Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Notification of Plains Marketing, L.P. Plugging and Abandonment of Monitor Wells
Plains TNM-97-04 (a.k.a. Townsend)
SE ¼, SE ¼, Section 11, T-16-S, R-35-E
Lea County, NM

Dear Mr. Martin,

NOVA Safety and Environmental (NOVA), on behalf of Plains Marketing, L.P. (Plains) respectfully submits the following notification of plugging and abandonment of monitor wells at the Plains TNM-97-04 leak site, located in the SE ¼, SE ¼, Section 11, T-16-S, R-35-E in Lea County, NM.

On September 14, 2005, two (2) monitor wells were plugged and abandoned at the TNM-97-04 site. Please reference your letter to Ms. Camille Reynolds of Plains Marketing L.P. dated June 22, 2005 regarding authorization to plug and abandon these wells.

The monitor wells were plugged and abandoned by Environmental Plus, Inc (EPI) of Eunice, New Mexico, a licensed water well driller in the State of New Mexico. The monitor wells were plugged utilizing guidelines set forth by the office of the New Mexico State Engineer. EPI removed and disposed of the monitor well cover, vault, and the remains of the concrete pad.

Monitor well MW-1 was filled with approximately two (2) bags of bentonite hole plug to a depth of approximately one (1) foot below ground surface (bgs) and properly hydrated with water. Topsoil was placed above the former monitor well to complete the procedure.

Monitor well MW-8 was filled with approximately eight (8) bags of bentonite hole plug to a depth of approximately one (1) bgs and hydrated with properly hydrated with water. Topsoil was placed above the former monitor well to complete the procedure.

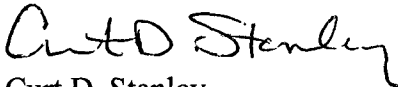
The former monitor well locations are as follows:

- MW-1, 32 degrees, 55.925" N, 103 degrees, 25.195" W
- MW-8, 32 degrees, 55.943" N, 103 degrees, 25.222" W

Plains has completed the approved plugging and abandonment of the above referenced monitor wells as directed by the New Mexico Oil Conservation Division (NMOCD). Plains will continue to gauge and sample the remaining monitor wells at the site.

In the future, Plains may make addition requests to the NMOCD for plugging and abandonment of monitor well(s) at this site, if warranted.

Sincerely,



Curt D. Stanley
Project Manager
NOVA Safety and Environmental

cc:

Paul Sheeley / Larry Johnson, NMOCD, Hobbs, NM

Camille Reynolds, Plains Marketing, L.P., Lovington, NM

cjreynolds@paalp.com

Jeff Dann, Plains Marketing, L.P., Houston, TX

jpdann@paalp.com

NOVA Safety and Environmental, Midland, TX

cstanley@novatraining.cc

Attachments:

Attachment #1 – Form C-141 – Release Notification and Corrective Action

Q. Box 1500
Jobbs, NM 88241-1980
District II - (505) 748-1283
11 South West
Santa Fe, NM 87210
District III - (505) 334-6178
600 Rio Brazos Road
Santa Fe, NM 87410
District IV - (505) 827-7191

Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-141
Originated 2/13/97

Submit 2 copies to
Appropriate District
Office in accordance
with Rule 116 on
back side of form

TAM-97-04

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name Texas-New Mexico Pipe Line Company	Contact Edwin H. Gripp
Address Box 60028, San Angelo, TX 76906	Telephone No. (915) 947-9000
Facility Name 4" gathering line	Facility Type pipeline

Surface Owner Larry Megert	Mineral Owner	Lease No.
-------------------------------	---------------	-----------

corrected location)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	11	16S	35E					Lea

NATURE OF RELEASE

Type of Release Sweet Crude	Volume of Release (revised) 488 barrels	Volume Recovered 5 barrels
Source of Release 4" gathering line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 4/16/97 4:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Wayne Price	
By Whom? Billy D. Chapman	Date and Hour 4/25/97 9:00 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully:

Describe Cause of Problem and Remedial Action Taken:

External Corrosion. Leak successfully clamped off.

Describe Area Affected and Cleanup Action Taken:

Approximately 1500 sq.ft. pasture land. Will remediate on site.

Describe General Conditions Prevailing (Temperature, Precipitation, etc.):

5 degrees; clear

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Edwin H. Gripp</i>		OIL CONSERVATION DIVISION	
Printed Name: Edwin H. Gripp		Approved by District Supervisor	
Title: District Manager		Approval Date	
Date: August 12, 1997		Expiration Date	
Phone: 915-947-9001		Conditions of Approval:	
		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

State Corp. Commission
Pipe Line Division

Hazardous Waste Section
NM Environmental Improvement Div.

BDC JAS

TAM-97-04



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

June 22, 2005

Ms. Camille Reynolds
Plains Pipeline
3112 West Highway 82
Lovington, NM 88260

Re: 2004 Annual Monitoring Report
TNM 97-04 Release Site
SE/4 SE/4 of Section 11, Township 16 South, Range 35 East
Lea County, New Mexico
Plains EMS Number: TNM 97-04
NMOCD Reference GW-0294

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed the above report submitted on behalf of Plains Marketing, L.P. (Plains) by Nova Safety and Environmental and dated April 2005. This report is accepted with the following understandings and conditions:

1. Quarterly sampling and annual reporting will continue throughout 2005.
2. The report states that the automated recovery system "will be repaired and in service by the second quarter of 2005." Plains will respond via email or regular mail as to whether this re-activation of the system has occurred.
3. Plains may plug and abandon monitor wells MW-1 and MW-8 using a slurry of 3% - 5% bentonite.

NMOCD acceptance does not relieve Plains of responsibility should its operations at this site prove to have been harmful to public health or the environment. Nor does it relieve Plains of its responsibility to comply with the rules and regulations of any other federal, state, or local governmental entity.

If you have any questions, contact me at (505) 476-3492 or ed.martin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

Edwin E. Martin
Environmental Bureau

Cc: NMOCD, Hobbs

2004
ANNUAL MONITORING REPORT

GW-294

TNM 97-04
SE ¼ SE ¼ of SECTION 11, TOWNSHIP 16 SOUTH, RANGE 35 EAST
LEA COUNTY, NEW MEXICO
PLAINS EMS NUMBER: TNM 97-04

PREPARED FOR:

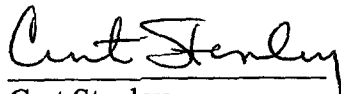
PLAINS MARKETING, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002



PREPARED BY:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

April 2005


Curt Stanley
Project Manager



for: Todd Choban
Vice President Technical Services

TABLE OF CONTENTS

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FIELD ACTIVITIES.....	1
LABORATORY RESULTS.....	2
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FIGURES

Figure 1 – Site Location Map

Figure 2A – Inferred Groundwater Gradient Map February 5, 2004

2B – Inferred Groundwater Gradient Map May 5, 2004

2C – Inferred Groundwater Gradient Map September 1, 2004

2D – Inferred Groundwater Gradient Map December 15, 2004

Figure 3A – Groundwater Concentration and Inferred PSH Extent Map February 5, 2004

3B – Groundwater Concentration and Inferred PSH Extent Map May 5, 2004

3C – Groundwater Concentration and Inferred PSH Extent Map September 1, 2004

3D – Groundwater Concentration and Inferred PSH Extent Map December 15, 2004

TABLES

Table 1 – Groundwater Elevation Data

Table 2 – Concentrations of BTEX in Groundwater

Table 3 – Concentrations of Metals in Groundwater

Table 4 – Concentrations of Semi-Volatiles in Groundwater

APPENDICES

Appendix A – Notification of Release and Corrective Action (Form C-141)

TABLE OF CONTENTS – Continued

ENCLOSED ON DATA DISK

2004 Annual Monitoring Report

2004 Tables 1 and 2 – Groundwater Elevation and BTEX Concentration Data

2004 Tables 3 and 4 – Concentrations of Metals in Groundwater and Concentrations of
Semi-Volatiles in Groundwater

2004 Figures 1, 2A-2D, 3A-3D

Electronic Copies of Laboratory Reports

Historic Groundwater Elevation Data Tables

Historic BTEX Concentration Tables

INTRODUCTION

On behalf of Plains Marketing, L.P.(Plains), NOVA Safety and Environmental (NOVA) is pleased to submit 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. Beginning on May 29, 2004, project management responsibilities were assumed by NOVA, having previously been managed by Environmental Technology Group, Inc (ETGI). The TNM 97-04 site, which was formally the responsibility of Texas New Mexico Pipeline Company (TNM) is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2004 only. However, historic data tables as well as 2004 laboratory analytical reports are enclosed on the enclosed data disk. A Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during four quarterly events in calendar year 2004 to assess the levels and extent of dissolved phase and Phase-Separated Hydrocarbon (PSH) constituents. The groundwater monitoring events consisted of measuring static water levels in the monitor wells, checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The site is located in the SE 1/4 of the SE 1/4 of Section 11, Township 16 South, Range 35 East in Lea County, New Mexico. Initial site investigation activities were performed for TNM by other environmental consultants. The release date and volume of the release are not currently known since the release occurred while the pipeline was operated by TNM.

The initial environmental consultant installed fifteen (15) monitor wells and one (1) recovery well at the site. In December of 2002, ETGI installed two additional groundwater monitor wells (MW-16 and MW-17) to further delineate the impact of groundwater at the site.

FIELD ACTIVITIES

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004.

NMOCD Approved Sampling Schedule	
MW-1	Annually
MW-2	Quarterly
MW-3	Quarterly
MW-4	Quarterly
MW-5	Quarterly
MW-6	Quarterly
MW-7	Annually
MW-8	Annually
MW-9	Quarterly

NMOCD Approved Sampling Schedule – Continued	
MW-10	Annually
MW-11	Quarterly
MW-12	Annually
MW-13	Quarterly
MW-14	Quarterly
MW-15	Quarterly
MW-16	Quarterly
MW-17	Quarterly
RW-1	Quarterly

The site monitor wells were gauged and sampled on February 5, May 5, September 1, and December 15, 2004. During each sampling event, sampled monitor wells were purged of approximately three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were collected in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Key Energy, Lovington, New Mexico utilizing a licensed disposal facility (NMOCD AO SWD-730).

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during the four (4) quarterly monitoring events, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2004 is provided as Table 1. Historic groundwater elevation data beginning at project inception is enclosed on the attached data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.003 ft./ft. to the southeast as measured between MW-10 and MW-13. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevation has ranged between 3920.56 and 3422.11 feet above mean sea level, MW-6 on February 6, 2004 and RW-1 on April 19, 2004, respectively.

A measurable thickness of PSH was detected in monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-9, and RW-1, during the 2004 annual reporting period. A maximum PSH thickness of 4.02 feet in monitor well MW-6 was recorded on May 11, 2004 and is shown on Table 1. A pneumatic product recovery system operated on site throughout most of 2004, incorporating six of the monitor wells (MW-2, MW-3, MW-4, MW-5, MW-6 and MW-9 and one recovery well (RW-1). In late 2004, mechanical difficulties with the system forced the pneumatic product system to be temporarily curtailed and manual recovery was utilized. On August 26, 2004, MW-8 reported a measurable thickness of 1.58 feet. This appears to have been an equipment malfunction since it has not been detected in gauging events either before or after this date.

LABORATORY RESULTS

Groundwater samples obtained during the February 5, May 5 and September 1, 2004 monitoring events were delivered to AnalySys, Inc. in Austin, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021b. Groundwater samples obtained during the December 15, 2004 monitoring event was delivered to TraceAnalysis, Inc. in Lubbock, Texas for BTEX using EPA Method 2021b. A listing of BTEX

constituent concentrations for 2004 is summarized in Table 2. Copies of the laboratory reports generated for 2004 are provided on the attached data disk. The quarterly groundwater sample results for benzene and BTEX concentrations are depicted on Figures 3A-3D.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2004 monitoring period indicate that the benzene and BTEX constituent concentrations are below NMOCD regulatory standards in monitor wells MW-1, MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, MW-16, and MW-17. The benzene and BTEX constituent concentrations in monitor wells MW-14 and MW-15 are above NMOCD regulatory standards of 0.01 mg/L and 2.13 mg/L, respectively. Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in section 20.6.2.3103 of the New Mexico Administrative Code.

In accordance with the NMOCD letter dated March 6, 2001, additional groundwater samples were collected during the December 2004 monitoring event and analyzed for concentrations of semi-volatiles and New Mexico Water Quality Control Commission (WQCC) metals.

Review of laboratory analytical results for semi-volatile constituents revealed that Naphthalene concentrations were above the NMOCD regulatory limit in monitor well MW-14. Semi-volatile constituents results for all well locations sampled can be found in Table 3.

Review of laboratory analytical results for WQCC metals constituents revealed concentrations above NMOCD regulatory limits as follows: aluminum in three (3) well locations, barium in one (1) well location, chromium in one (1) well location, iron in 7 (seven) locations, manganese in one (1) well locations, and boron in 6 (six) locations. Metal constituent results for all well locations sampled can be found in Table 4. Review of tables for metals analysis does not exhibit concentration trends or statistically consistent detections. The Southern High Plains, Permian Basin and the Trans Pecos geographical areas of southeastern New Mexico can contain naturally occurring concentrations of these metals in soil and groundwater above national averages. Based on the laboratory sample results, metals were detected (above WQCC standards) in both upgradient and downgradient monitor wells, indicating these metals are likely naturally occurring in the groundwater at concentrations above WQCC standards. Future groundwater sampling events for WQCC metals will involve filtering of samples upon arrival at the laboratory prior to analysis.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of 2004. Currently, there are seventeen (17) groundwater monitor wells (MW-1 through MW-17) on-site and one (1) recovery wells (RW-1). The most recent Groundwater Gradient Map, Figure 2D indicates a general gradient of approximately 0.003 ft/ft to the southeast.

A measurable thickness of PSH was detected in monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-9, and recovery well RW-1, during the 2004 annual reporting period. A maximum PSH thickness of 4.02 feet in monitor well MW-6 was recorded on May 11, 2004 and is shown on Table 1. Measurable PSH fluctuates in the monitor wells and recovery well containing PSH,

but in general appears to have decreased throughout 2004. Recovered PSH has declined at the site throughout the 2004 reporting period. Approximately 750 gallons of PSH was recovered from the site during the 2004 reported period. A total of approximately 5,375 gallons of PSH has been recovered since the inception of product recovery.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2004 monitoring period indicate that the benzene and BTEX constituent concentrations are below NMOCD regulatory standards in 9 monitor wells. The benzene and BTEX constituent concentrations in 2 monitor wells are above NMOCD regulatory standards.

The Release Notification and Corrective Action (Form C-141) is provided as Appendix A.

ANTICIPATED ACTIONS

Groundwater monitoring and annual reporting will continue in 2005. Plains, requests approval to plug and abandon monitor wells MW-1, and MW-8. These wells have exhibited analytical results below NMOCD regulatory standards for benzene and BTEX during at least 18 consecutive sampling events. Plains, bases this request on the following considerations:

- Monitor well MW-1 and MW-8 have exhibited dissolved phase concentrations below the NMOCD regulatory standard for 18 consecutive sampling events and are redundant.
- Monitor well MW-8 is redundant to MW-7. Side gradient control is achieved by MW-12 and down gradient control is provided by MW-7.
- Monitor well MW-1 has exhibited dissolved phase concentrations below the NMOCD regulatory standard for 18 consecutive sampling events. MW-7 (up gradient from MW-1) has exhibited 12 consecutive sampling events below the NMOCD regulatory standard and provides down gradient control for the site.

The monitor wells will be plugged and abandoned by a licensed water well driller as pursuant to the State of New Mexico's monitor well plugging and abandonment regulations.

It is anticipated that the automated recovery system at TNM 97-04 will be repaired and in service by the second quarter of 2005.

LIMITATIONS

NOVA has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA also notes that the facts and conditions referenced in this report may change over time and the conclusions and

recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of NOVA and/or Plains.

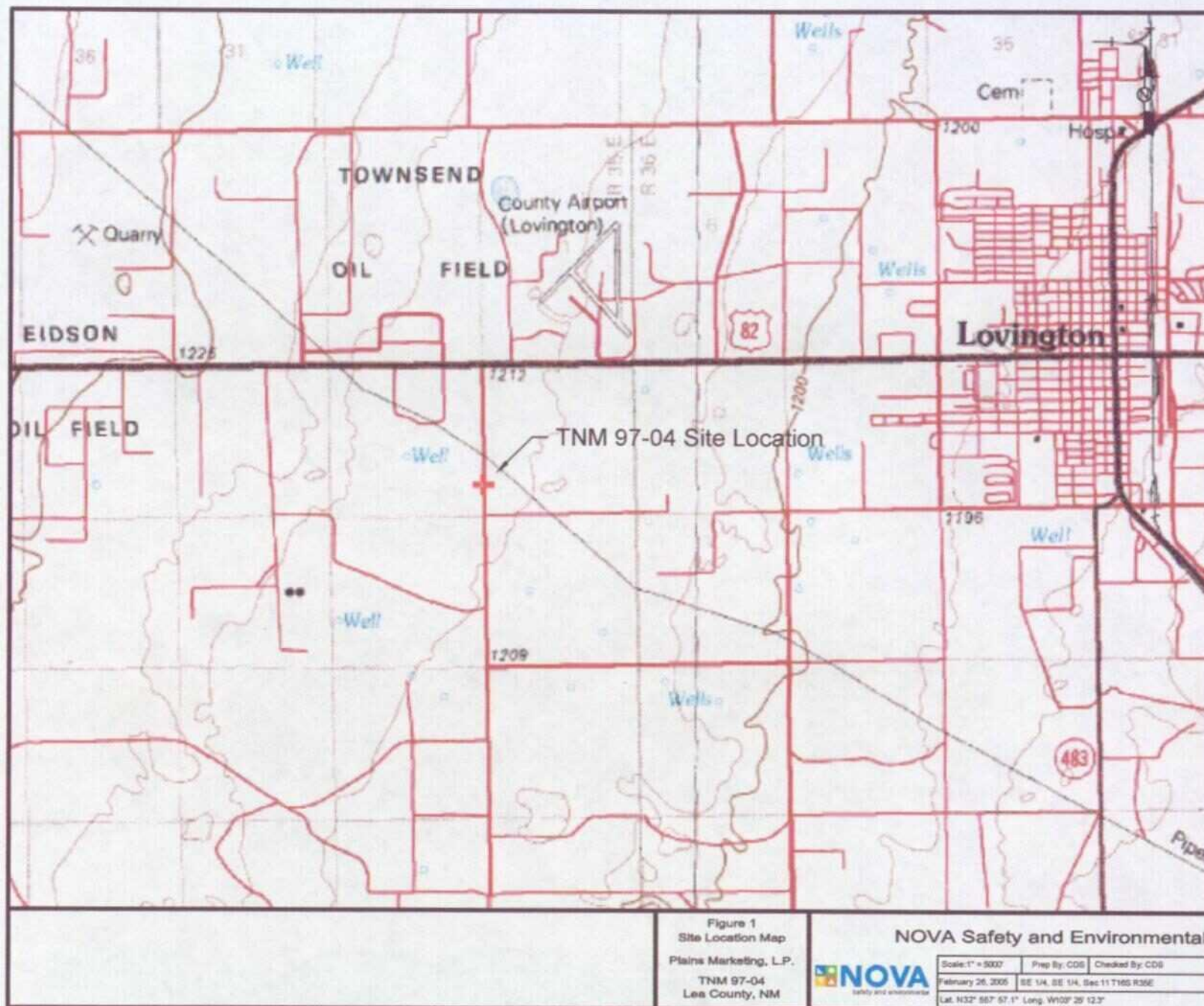
DISTRIBUTION

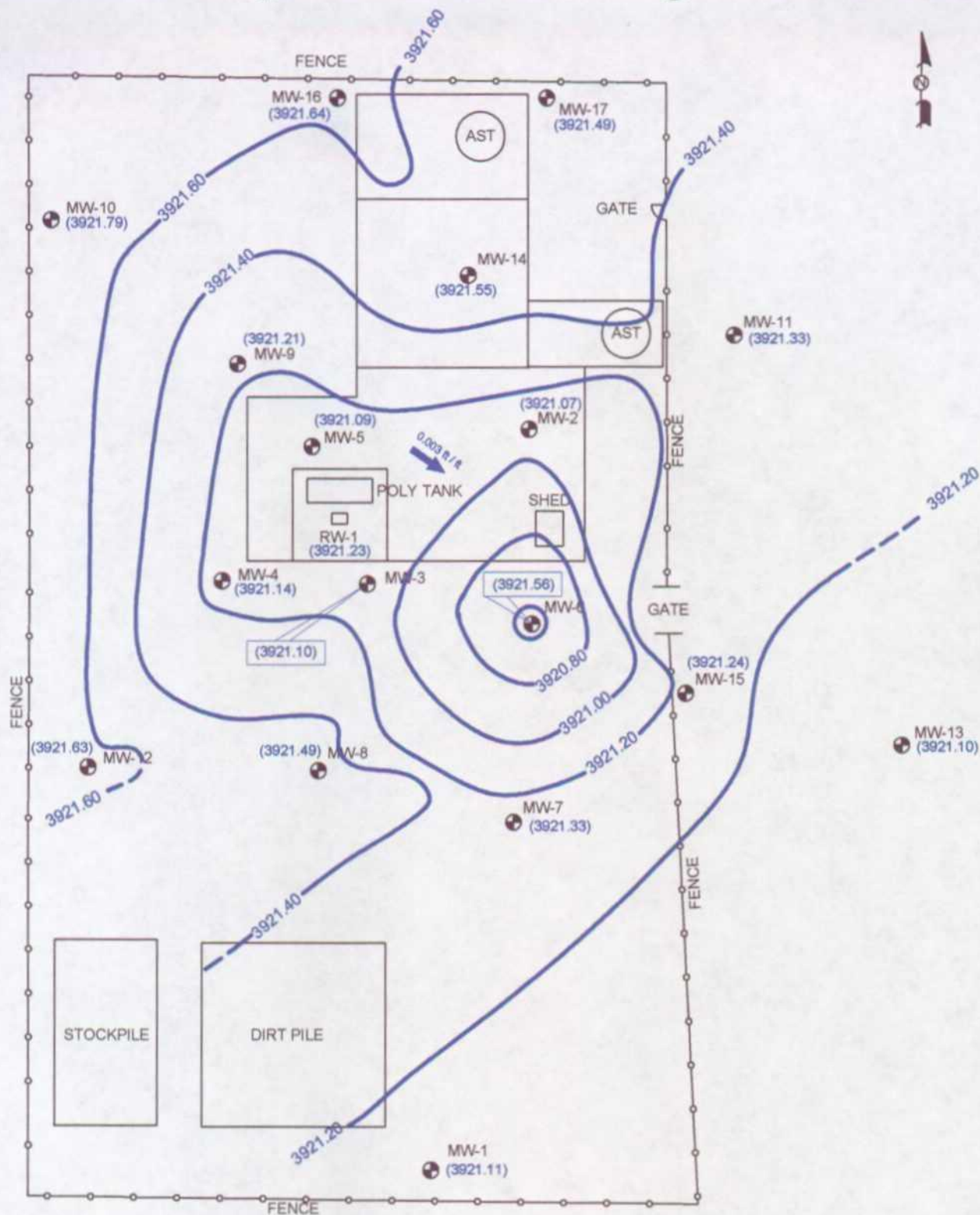
- Copy 1 Ed Martin
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
- Copy 2: Paul Sheeley and Larry Johnson
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1625 French Drive
Hobbs, NM 88240
- Copy 3: Camille Reynolds
Plains Marketing, L.P.
3112 Highway 82
Lovington, NM
cjreynolds@paalp.com
- Copy 4: Jeff Dann
Plains Marketing, L.P.
333 Clay Street
Suite 1600
Houston, TX 77002
jpdann@paalp.com
- Copy 5: NOVA Safety and Environmental
2057 Commerce Street
Midland, TX 79703
cstanley@novatraining.cc

Copy Number: _____



Figures





40 20 0 20 40
Distance in Feet



LEGEND:

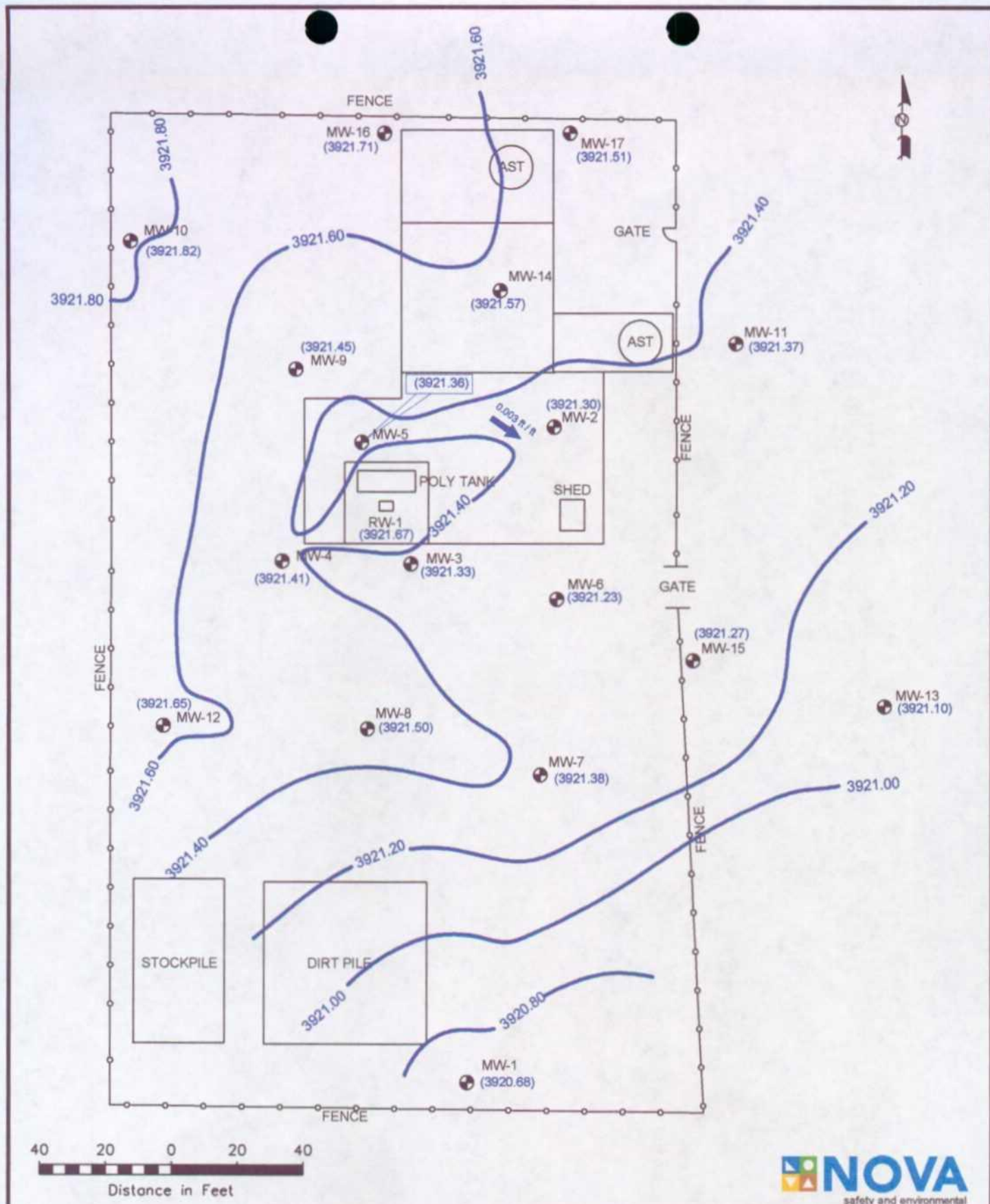
- Monitor Well Location
- Groundwater Contour Lines
- (3921.20) Groundwater Elevation in Feet
- 0.003 ft/ft Groundwater Gradient Direction and Magnitude

Figure 2A
Inferred Groundwater
Gradient Map
(2/5/04)

Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	Drawn By: DPM	Prepared By: CDS
February 25, 2005	NW1/4 SE1/4 Sec 18 T18S R36E	
		Lat. N32° 44' 50.3" Long. W103° 23' 38.5"



LEGEND:

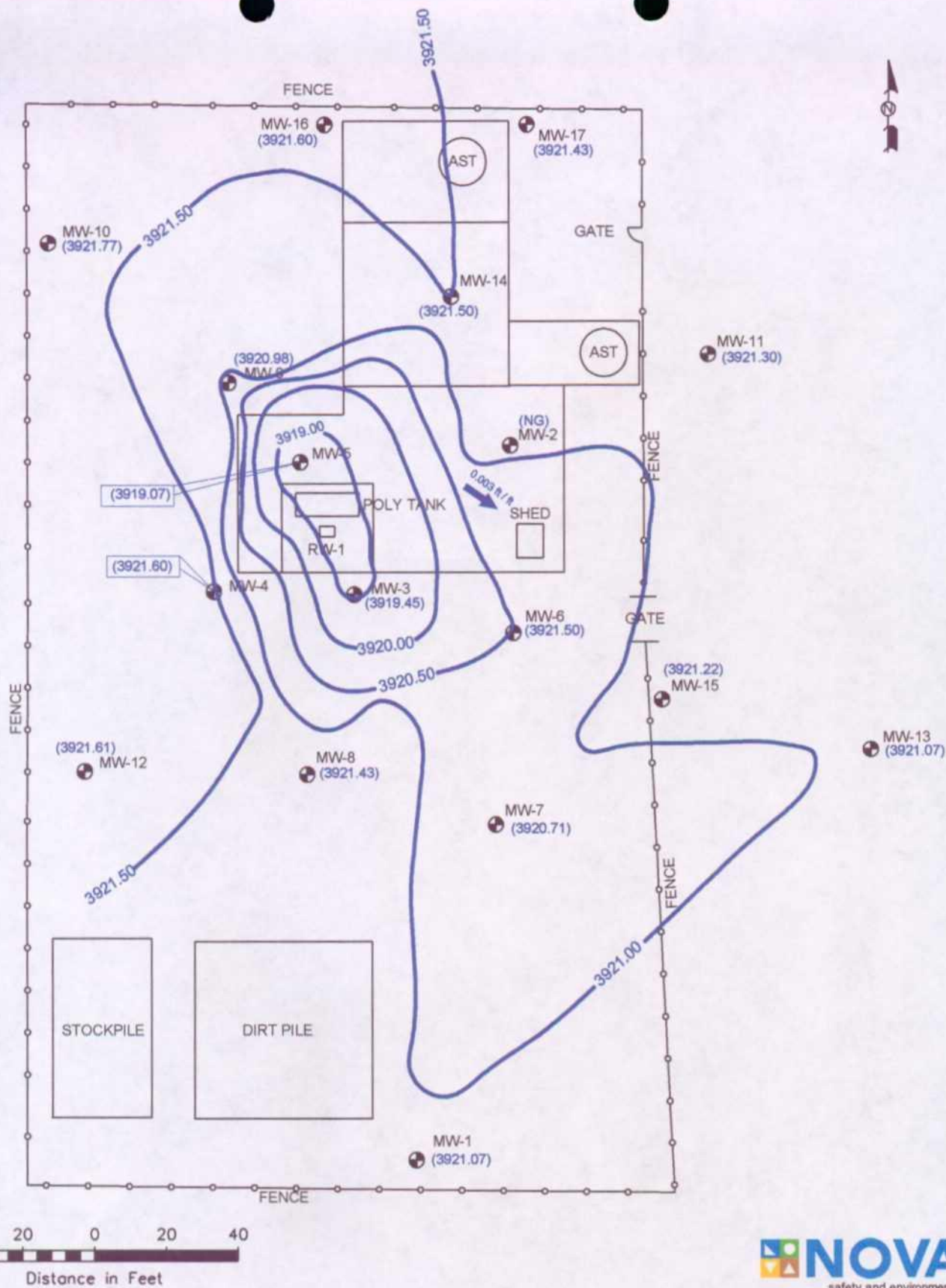
- Monitor Well Location
- Groundwater Contour Lines
- (3921.20) Groundwater Elevation in Feet
- 0.003 ft/ft Groundwater Gradient Direction and Magnitude

Figure 2B
Inferred Groundwater
Gradient Map
(5/5/04)

Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	Drawn By: DPM	Prepared By: CDS
February 25, 2005	NW1/4 SE1/4 Sec 18 T18S R06E	
		Lat. N32° 44' 50.3" Long. W103° 23' 38.5"



LEGEND:

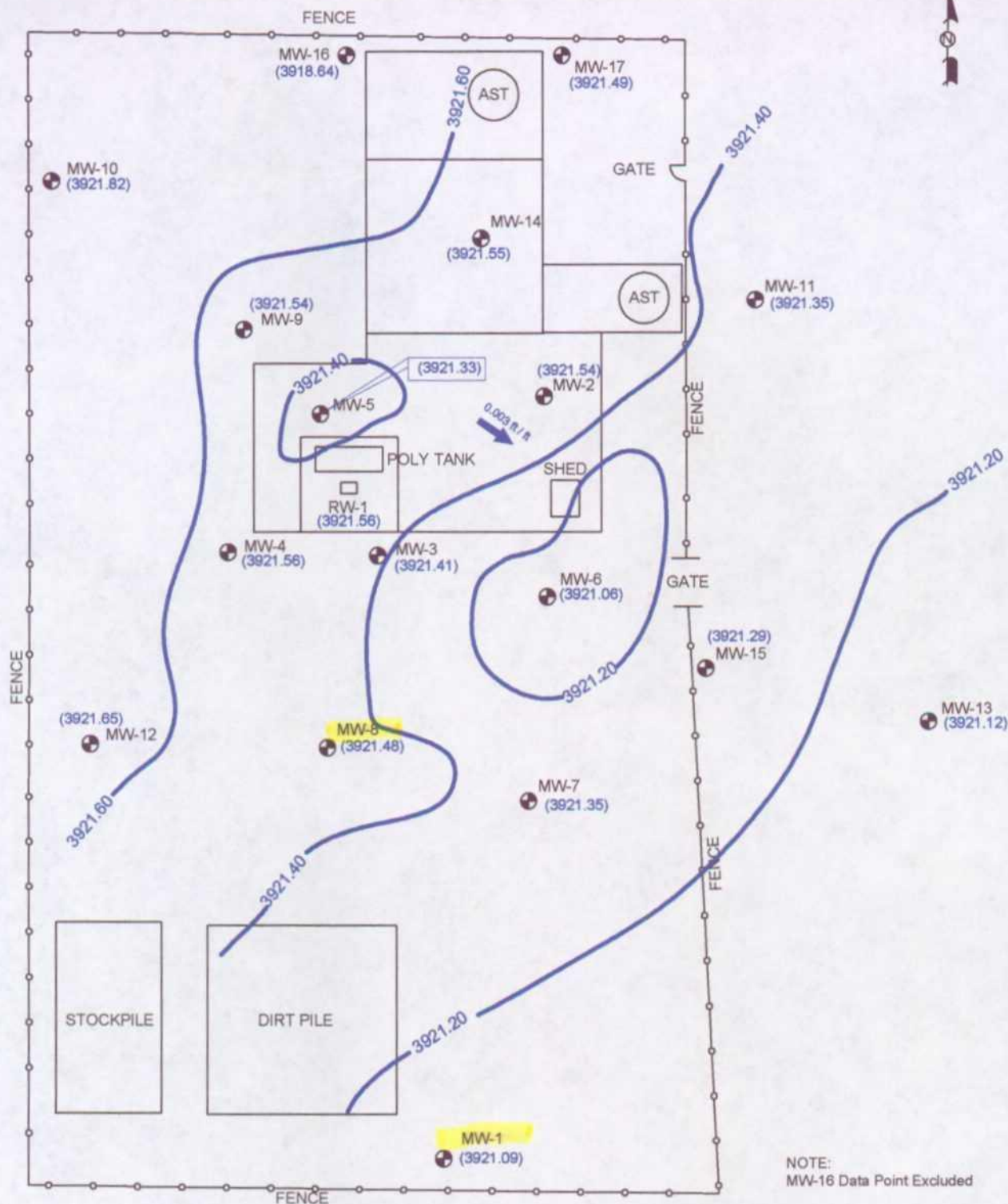
- Monitor Well Location
- Groundwater Contour Lines
- (3921.20) Groundwater Elevation in Feet
- 0.003 ft/ft Groundwater Gradient Direction and Magnitude
- NG Not Gauged

Figure 2C
Inferred Groundwater
Gradient Map
(9/1/04)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	Drawn By: DPM	Prepared By: CDS
February 25, 2005	NW1/4 SE1/4 Sec 16 T18S R36E	
		Lat. N32° 44' 50.3" Long. W103° 23' 38.5"

NOVA
safety and environmental



NOTE:
MW-16 Data Point Excluded



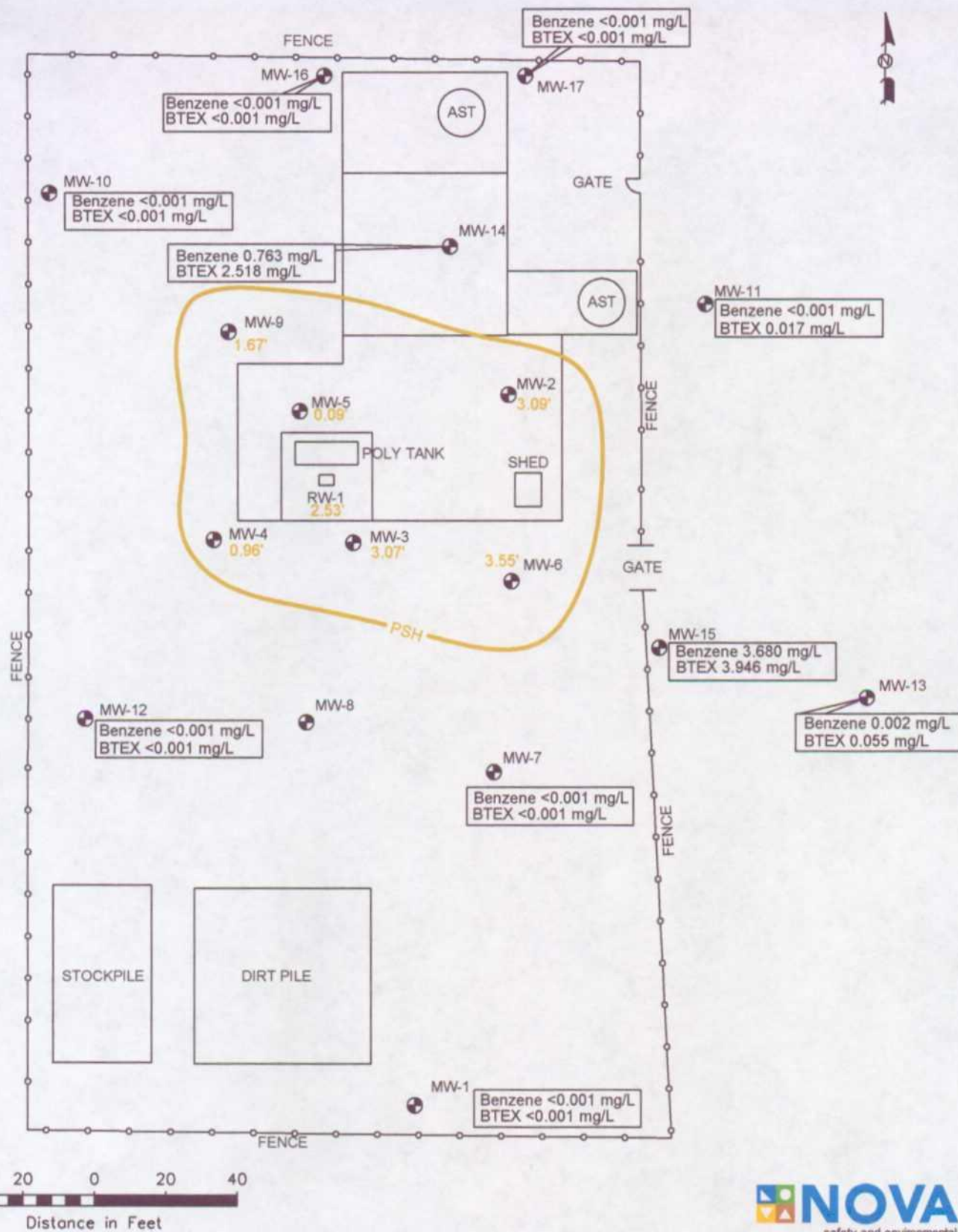
LEGEND:

- Monitor Well Location
- Groundwater Contour Lines
- (3921.20) Groundwater Elevation in Feet
- 0.003 ft/ft Groundwater Gradient Direction and Magnitude
- NG Not Gauged

Figure 2D
Inferred Groundwater
Gradient Map
(12/15/04)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	Drawn By: DPM	Prepared By: CDS
February 25, 2005	NW1/4 SE1/4 Sec 18 T18S R36E	
		Lat. N32° 44' 50.3" Long. W103° 23' 38.5"



NOVA
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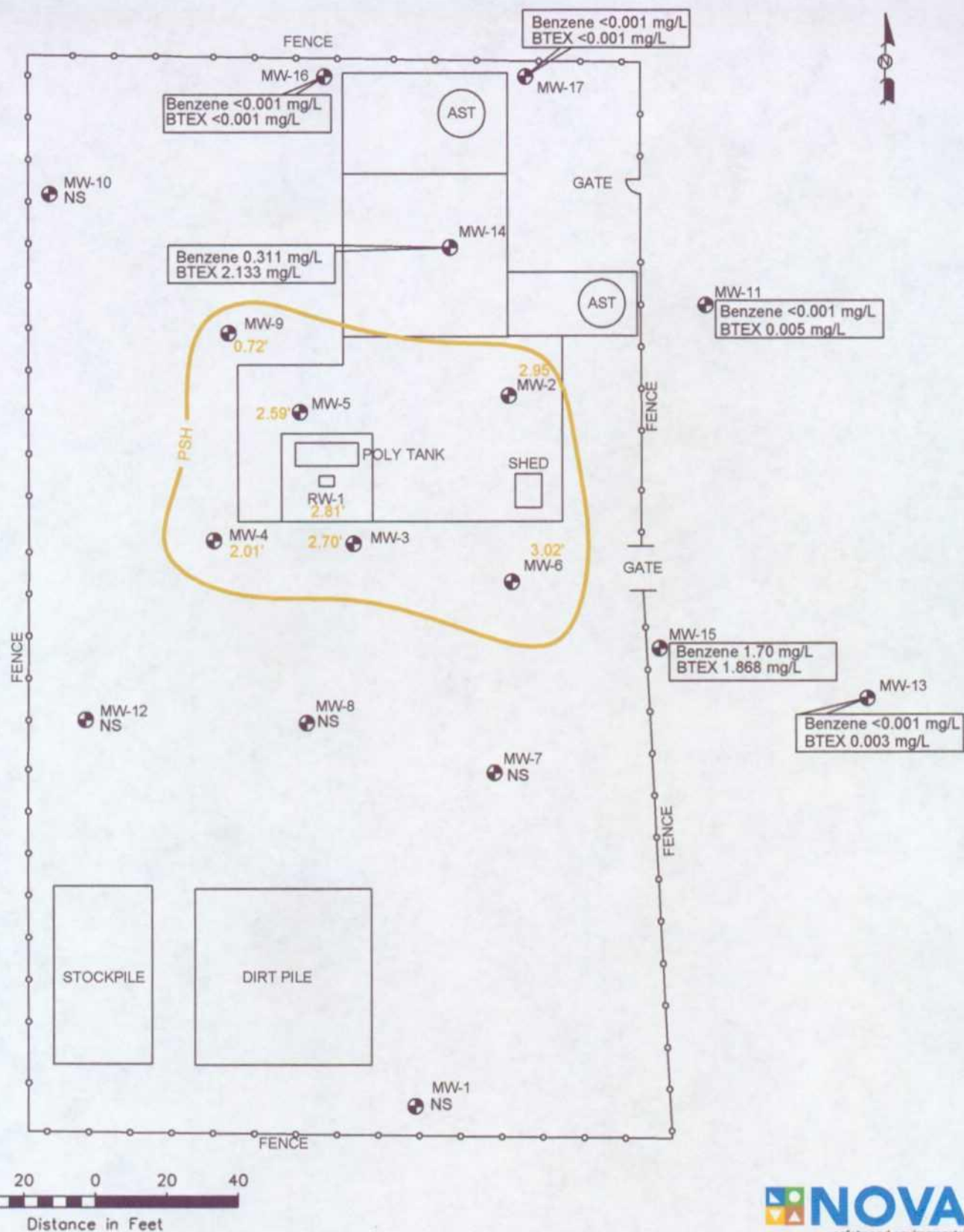
LEGEND:

- Monitoring Well Location
- Soil Boring Location
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- 2.42' Thickness of PSH (feet)

Figure 3A
Groundwater Concentration
and Inferred PSH Extent Map
(2/5/04)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	Drawn By: DPM	Prepared By: CDS
February 22, 2005	NW1/4 SE1/4 Sec 16 T18S R36E	
		Lat N32° 44' 50.3" Long. W103° 23' 38.5"



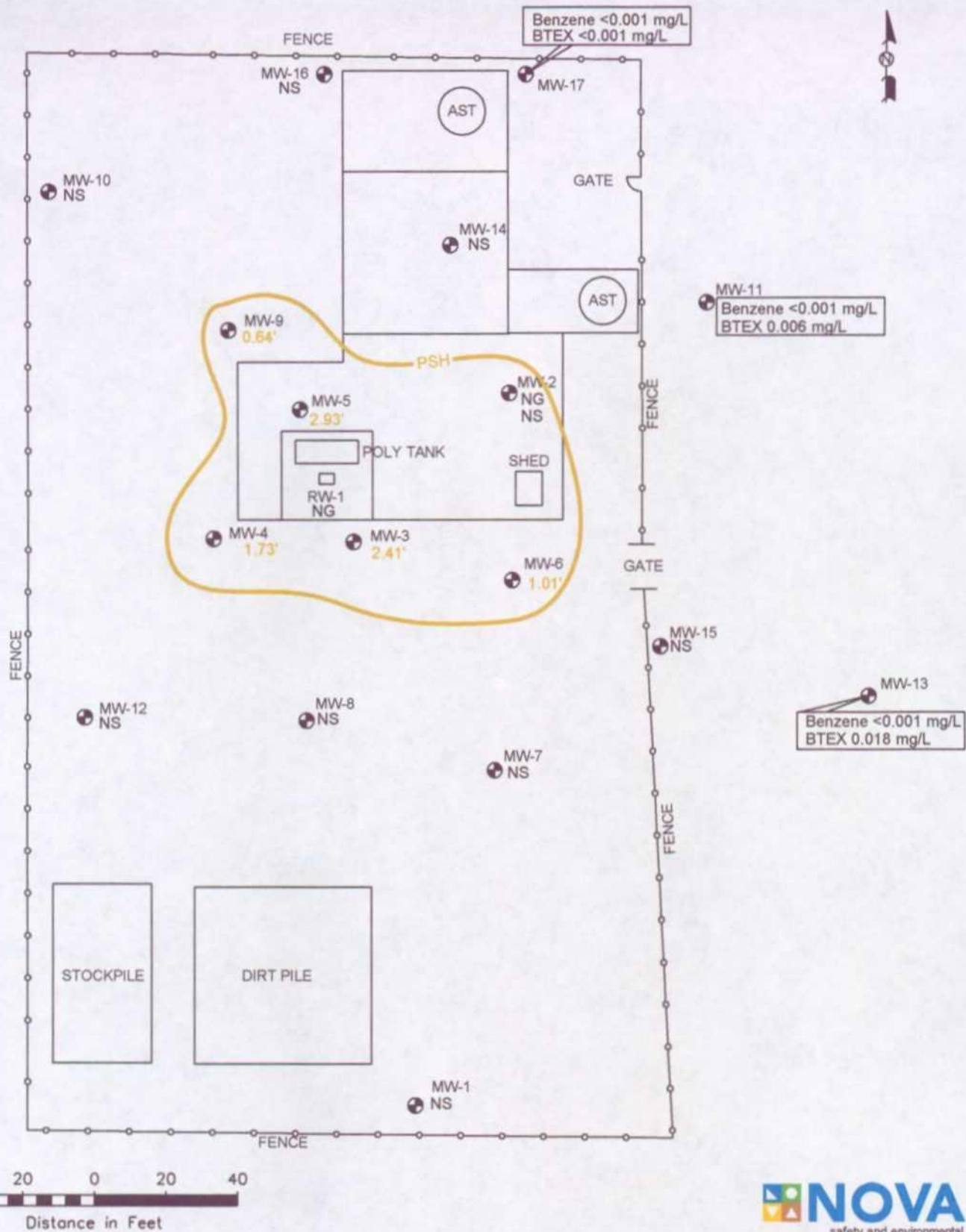
LEGEND:

- Monitoring Well Location
- Soil Boring Location
- Inferred PSH Extent
- Thickness of PSH (feet): 2.42' (yellow), NS (Not Sampled)
- Constituent Concentration (mg/L): <0.001

Figure 3B
Groundwater Concentration
and Inferred PSH Extent Map
(5/5/04)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	Drawn By: DPM	Prepared By: CDS
February 22, 2005	NW1/4 SE1/4 Sec 16 T18S R36E	
Lat N32° 44' 50.3" Long W103° 23' 38.5"		



LEGEND:

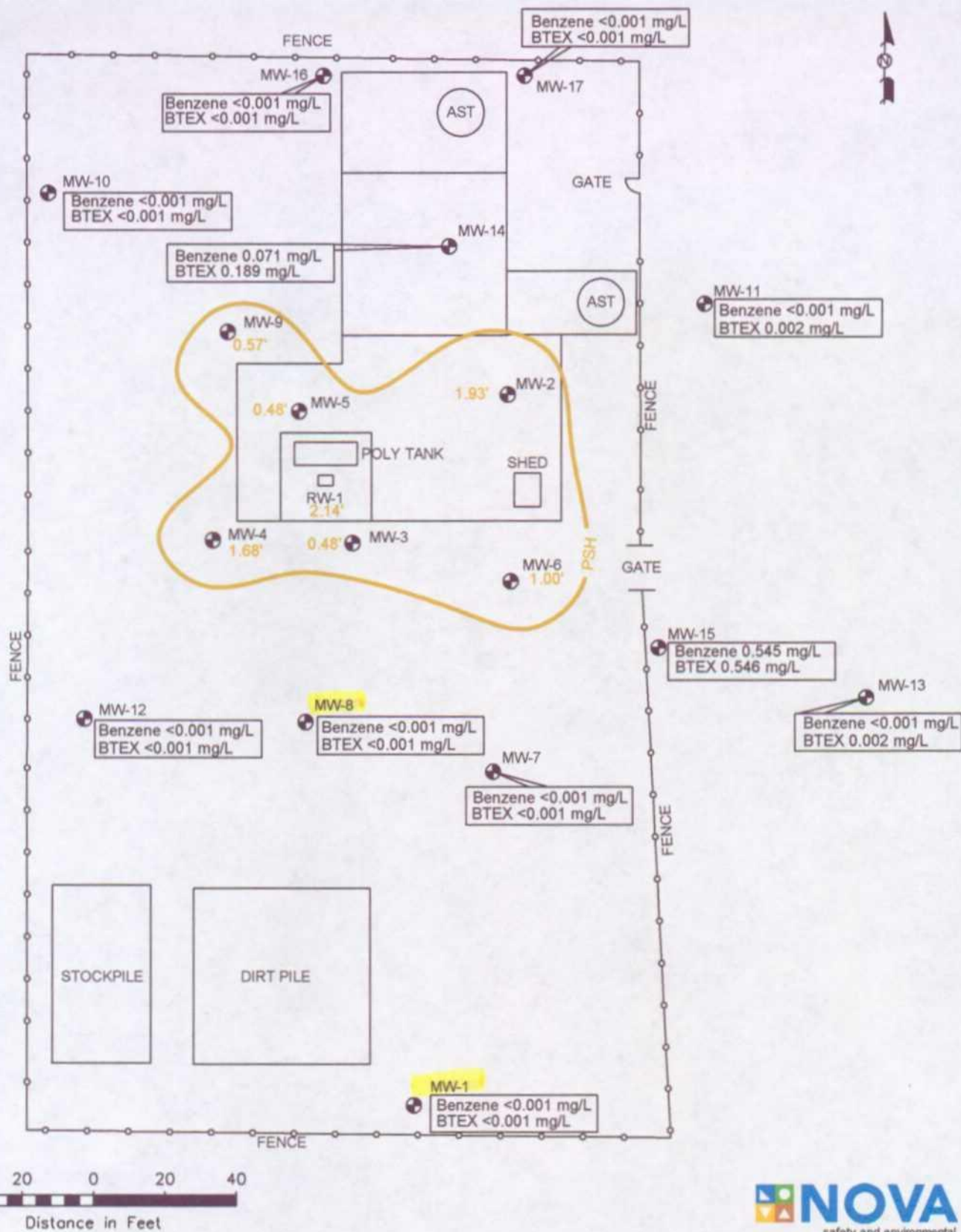
- Monitoring Well Location
- Soil Boring Location
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- Thickness of PSH (feet): 2.42' (Yellow line), NG (Not Gauged), NS (Not Sampled)

Figure 3C
Groundwater Concentration
and Inferred PSH Extent Map
(9/1/04)

Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	Drawn By: DPM	Prepared By: CDS
February 22, 2005	NW1/4 SE1/4 Sec 18 T18S R36E	
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		



LEGEND:

- Monitoring Well Location
- Soil Boring Location
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- 2.42 Thickness of PSH (feet)

Figure 3D
Groundwater Concentration
and Inferred PSH Extent Map
(12/15/04)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	Drawn By: DPM	Prepared By: CDS
February 22, 2005	NW1/4 SE1/4 Sec 16 T18S R36E	
	Lat. N32° 44' 50.3" Long. W103° 23' 38.5"	

NOVA
safety and environmental

Tables

TABLE 1
GROUNDWATER ELEVATION DATA FOR 2004

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-1	02/05/04	3974.18	-	53.07	0.00	3921.11
	05/05/04	3974.18	-	53.50	0.00	3920.68
	09/01/04	3974.18	-	53.11	0.00	3921.07
	12/15/04	3974.18	-	53.09	0.00	3921.09
MW - 2	02/05/04	3974.62	53.09	56.18	3.09	3921.07
	02/17/04	3974.62	52.78	53.51	0.73	3921.73
	02/25/04	3974.62	53.06	56.03	2.97	3921.11
	03/09/04	3974.62	52.83	55.87	3.04	3921.33
	03/16/04	3974.62	52.85	55.80	2.95	3921.33
	03/22/04	3974.62	53.32	54.00	0.68	3921.20
	04/07/04	3974.62	52.88	53.14	0.26	3921.70
	04/12/04	3974.62	53.21	56.03	2.82	3920.99
	04/19/04	3974.62	52.88	53.98	1.10	3921.58
	05/05/04	3974.62	52.88	55.83	2.95	3921.30
	05/11/04	3974.62	52.98	55.95	2.97	3921.19
	06/07/04	3974.62	52.63	55.49	2.86	3921.56
	06/15/04	3974.62	52.57	Float in Well		
	06/20/04	3974.62	52.57	Float in Well		
	06/21/04	3974.62	52.58	Float in Well		
	06/28/04	3974.62	52.58	Float in Well		
	07/08/04	3974.62	52.58	Float in Well		
	07/12/04	3974.62	52.59	Float in Well		
	08/12/04	3974.62	52.59	Float in Well		
	08/17/04	3974.62	52.63	Float in Well		
	08/26/04	3974.62	52.62	Float in Well		
	09/01/04	3974.62	53.86	Float in Well		
	09/03/04	3974.62	53.86	Float in Well		
	09/08/04	3974.62	53.92	Float in Well		
	09/14/04	3974.62	52.90	Float in Well		
	09/22/04	3974.62	53.01	-	1.89	
	10/01/04	3974.62	52.88	-	2.02	
	10/08/04	3974.62	52.94	-	2.16	
	10/15/04	3974.62	53.10	-	2.00	
	10/22/04	3974.62	52.73	-	2.42	
	11/12/04	3974.62	52.68	55.65	2.97	3921.49
	11/26/04	3974.62	52.70	54.60	1.90	3921.64
	12/02/04	3974.62	52.72	55.50	2.78	3921.48
	12/06/04	3974.62	52.99	55.31	2.32	3921.28
	12/13/04	3974.62	52.80	54.70	1.90	3921.54
	12/15/04	3974.62	52.80	54.70	1.90	3921.54
	12/27/04	3974.62	52.80	55.20	2.40	3921.46

TABLE 1
GROUNDWATER ELEVATION DATA FOR 2004

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	02/05/04	3974.60	53.04	56.11	3.07	3921.10
	02/17/04	3974.60	52.80	55.64	2.84	3921.37
	02/25/04	3974.60	53.03	56.08	3.05	3921.11
	03/09/04	3974.60	52.83	55.86	3.03	3921.32
	03/16/04	3974.60	52.79	55.81	3.02	3921.36
	03/22/04	3974.60	52.85	54.16	1.31	3921.55
	04/07/04	3974.60	52.87	53.18	0.31	3921.68
	04/12/04	3974.60	52.97	55.02	2.05	3921.32
	04/19/04	3974.60	52.80	53.06	0.26	3921.76
	05/05/04	3974.60	52.87	55.57	2.70	3921.33
	05/11/04	3974.60	53.02	55.68	2.66	3921.18
	06/07/04	3974.60	52.62	55.29	2.67	3921.58
	06/15/04	3974.60	52.65	55.27	2.62	3921.56
	06/20/04	3974.60	52.65	55.27	2.62	3921.56
	06/21/04	3974.60	52.61	55.32	2.71	3921.58
	06/28/04	3974.60	52.62	55.34	2.72	3921.57
	07/08/04	3974.60	52.60	55.31	2.71	3921.59
	07/12/04	3974.60	52.57	55.33	2.76	3921.62
	08/06/04	3974.60	52.69	55.36	2.67	3921.51
	08/12/04	3974.60	52.68	55.37	2.69	3921.52
	08/17/04	3974.60	52.63	55.30	2.67	3921.57
	08/26/04	3974.60	52.63	55.79	3.16	3921.50
	09/01/04	3974.60	52.74	55.15	2.41	3921.50
	09/03/04	3974.60	52.83	55.22	2.39	3921.41
	09/08/04	3974.60	52.78	55.42	2.64	3921.42
	09/14/04	3974.60	52.76	55.05	2.29	3921.50
	09/22/04	3974.60	52.86	55.05	2.19	3921.41
	10/01/04	3974.60	52.73	55.30	2.57	3921.48
	10/08/04	3974.60	52.78	55.16	2.38	3921.46
	10/15/04	3974.60	52.65	54.80	2.15	3921.63
	10/22/04	3974.60	52.66	55.20	2.54	3921.56
	11/12/04	3974.60	53.11	53.44	0.33	3921.44
	11/26/04	3974.60	53.10	53.60	0.50	3921.43
	12/02/04	3974.60	53.25	53.50	0.25	3921.31
	12/06/04	3974.60	53.09	53.59	0.50	3921.44
	12/13/04	3974.60	53.12	53.60	0.48	3921.41
	12/15/04	3974.60	53.12	53.60	0.48	3921.41
	12/27/04	3974.60	52.87	54.20	1.33	3921.53
MW - 4	02/05/04	3974.53	53.32	53.78	0.46	3921.14
	02/17/04	3974.53	53.87	54.28	0.41	3920.60
	02/25/04	3974.53	53.28	53.80	0.52	3921.17
	03/09/04	3974.53	52.84	54.59	1.75	3921.43

TABLE 1
GROUNDWATER ELEVATION DATA FOR 2004

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	03/16/04	3974.53	52.85	54.56	1.71	3921.42
	03/22/04	3974.53	52.84	53.14	0.30	3921.65
	04/07/04	3974.53	52.90	53.37	0.47	3921.56
	04/12/04	3974.53	52.83	54.74	1.91	3921.41
	04/19/04	3974.53	52.87	52.99	0.12	3921.64
	05/05/04	3974.53	52.82	54.83	2.01	3921.41
	05/11/04	3974.53	53.00	54.74	1.74	3921.27
	06/07/04	3974.53	52.58	54.57	1.99	3921.65
	06/15/04	3974.53	52.60	54.49	1.89	3921.65
	06/20/04	3974.53	52.60	54.49	1.89	3921.65
	06/21/04	3974.53	52.56	54.55	1.99	3921.67
	06/28/04	3974.53	52.57	54.51	1.94	3921.67
	07/08/04	3974.53	52.55	54.53	1.98	3921.68
	07/12/04	3974.53	52.54	54.52	1.98	3921.69
	08/06/04	3974.53	52.58	54.51	1.93	3921.66
	08/12/04	3974.53	52.60	54.59	1.99	3921.63
	08/17/04	3974.53	52.64	54.72	2.08	3921.58
	08/26/04	3974.53	52.60	54.79	2.19	3921.60
	09/01/04	3974.53	52.67	54.40	1.73	3921.60
	09/03/04	3974.53	52.67	54.45	1.78	3921.59
	09/08/04	3974.53	52.66	54.63	1.97	3921.57
	09/14/04	3974.53	52.69	54.46	1.77	3921.57
	09/22/04	3974.53	52.81	54.39	1.58	3921.48
	10/01/04	3974.53	52.67	54.62	1.95	3921.57
	10/08/04	3974.53	52.69	54.44	1.75	3921.58
	10/15/04	3974.53	52.60	54.30	1.70	3921.68
	10/22/04	3974.53	52.62	54.56	1.94	3921.62
	11/12/04	3974.53	52.68	53.69	1.01	3921.70
	11/26/04	3974.53	52.65	54.55	1.90	3921.60
	12/02/04	3974.53	52.70	54.50	1.80	3921.56
	12/06/04	3974.53	52.77	54.21	1.44	3921.54
	12/13/04	3974.53	52.72	54.40	1.68	3921.56
	12/15/04	3974.53	52.72	54.40	1.68	3921.56
	12/27/04	3974.53	52.65	54.47	1.82	3921.61
MW - 5	02/05/04	3974.27	53.17	53.26	0.09	3921.09
	02/17/04	3974.27	52.44	53.69	1.25	3921.64
	02/25/04	3974.27	53.17	53.29	0.12	3921.08
	03/09/04	3974.27	52.53	55.09	2.56	3921.36
	03/16/04	3974.27	52.41	55.20	2.79	3921.44
	03/22/04	3974.27	53.00	53.68	0.68	3921.17
	04/07/04	3974.27	52.94	53.11	0.17	3921.30
	04/12/04	3974.27	52.55	55.00	2.45	3921.35

TABLE 1
GROUNDWATER ELEVATION DATA FOR 2004

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	04/19/04	3974.27	52.90	53.00	0.10	3921.36
	05/05/04	3974.27	52.52	55.11	2.59	3921.36
	05/11/04	3974.27	52.64	55.29	2.65	3921.23
	06/07/04	3974.27	52.25	54.97	2.72	3921.61
	06/15/04	3974.27	52.27	54.93	2.66	3921.60
	06/20/04	3974.27	52.27	54.93	2.66	3921.60
	06/21/04	3974.27	52.23	54.95	2.72	3921.63
	06/28/04	3974.27	52.25	54.97	2.72	3921.61
	07/08/04	3974.27	52.24	54.96	2.72	3921.62
	07/12/04	3974.27	52.23	54.97	2.74	3921.63
	08/12/04	3974.27	52.22	54.22	2.00	3921.75
	08/17/04	3974.27	52.25	55.25	3.00	3921.57
	08/26/04	3974.27	52.25	55.23	2.98	3921.57
	09/01/04	3974.27	52.27	55.20	2.93	3921.56
	09/03/04	3974.27	52.30	55.16	2.86	3921.54
	09/08/04	3974.27	52.27	55.24	2.97	3921.55
	09/14/04	3974.27	52.27	55.20	2.93	3921.56
	09/22/04	3974.27	52.33	55.10	2.77	3921.52
	10/01/04	3974.27	52.27	55.22	2.95	3921.56
	10/08/04	3974.27	52.28	55.20	2.92	3921.55
	10/15/04	3974.27	52.23	54.91	2.68	3921.64
	10/22/04	3974.27	52.21	55.16	2.95	3921.62
	11/12/04	3974.27	52.41	53.24	0.83	3921.74
	11/26/04	3974.27	52.34	54.80	2.46	3921.56
	12/02/04	3974.27	52.39	54.80	2.41	3921.52
	12/06/04	3974.27	52.55	53.97	1.42	3921.51
	12/13/04	3974.27	52.87	53.35	0.48	3921.33
	12/15/04	3974.27	52.87	53.35	0.48	3921.33
	12/27/04	3974.27	52.69	53.20	0.51	3921.50
MW - 6	02/05/04	3974.72	53.63	57.18	3.55	3920.56
	02/17/04	3974.72	52.89	56.34	3.45	3921.31
	02/25/04	3974.72	53.60	57.13	3.53	3920.59
	03/09/04	3974.72	52.91	56.40	3.49	3921.29
	03/16/04	3974.72	53.14	54.19	1.05	3921.42
	03/22/04	3974.72	53.04	55.22	2.18	3921.35
	04/07/04	3974.72	53.14	53.69	0.55	3921.50
	04/12/04	3974.72	53.50	56.43	2.93	3920.78
	04/19/04	3974.72	53.10	53.49	0.39	3921.56
	05/05/04	3974.72	53.04	56.06	3.02	3921.23
	05/11/04	3974.72	52.19	56.21	4.02	3921.93
	06/07/04	3974.72	52.77	55.87	3.10	3921.49
	06/15/04	3974.72	52.78	55.90	3.12	3921.47

TABLE 1
GROUNDWATER ELEVATION DATA FOR 2004

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	06/20/04	3974.72	52.78	55.90	3.12	3921.47
	06/21/04	3974.72	52.77	55.77	3.00	3921.50
	06/28/04	3974.72	52.77	55.91	3.14	3921.48
	07/08/04	3974.72	52.75	55.87	3.12	3921.50
	07/12/04	3974.72	52.76	55.90	3.14	3921.49
	08/06/04	3974.72	52.83	55.80	2.97	3921.44
	08/12/04	3974.72	52.85	55.82	2.97	3921.42
	08/17/04	3974.72	52.77	55.94	3.17	3921.47
	08/26/04	3974.48	53.10	54.68	1.58	3921.14
	09/01/04	3974.72	53.21	54.22	1.01	3921.36
	09/03/04	3974.72	53.31	54.02	0.71	3921.30
	09/08/04	3974.72	52.16	53.52	1.36	3922.36
	09/14/04	3974.72	53.20	54.26	1.06	3921.36
	09/22/04	3974.72	53.22	54.14	0.92	3921.36
	10/01/04	3974.72	53.10	54.89	1.79	3921.35
	10/08/04	3974.72	53.25	54.05	0.80	3921.35
	10/15/04	3974.72	53.11	53.88	0.77	3921.49
	10/22/04	3974.72	53.05	54.55	1.50	3921.45
	11/12/04	3974.72	53.22	54.16	0.94	3921.36
	11/26/04	3974.72	53.11	54.55	1.44	3921.39
	12/02/04	3974.72	53.79	55.20	1.41	3920.72
	12/06/04	3974.72	53.87	54.96	1.09	3920.69
	12/13/04	3974.72	53.51	54.51	1.00	3921.06
	12/15/04	3974.72	53.51	54.51	1.00	3921.06
	12/27/04	3974.72	53.85	55.60	1.75	3920.61
MW - 7	02/05/04	3974.60	-	53.27	0.00	3921.33
	05/05/04	3974.60	-	53.22	0.00	3921.38
	09/01/04	3974.60	-	53.30	0.00	3921.30
	12/15/04	3974.60	-	53.25	0.00	3921.35
MW - 8	02/05/04	3974.48	-	52.99	0.00	3921.49
	05/05/04	3974.48	-	52.98	0.00	3921.50
	09/01/04	3974.48	-	53.05	0.00	3921.43
	12/15/04	3974.48		53.00	0.00	3921.48
MW - 9	02/05/04	3975.06	53.60	55.27	1.67	3921.21
	02/17/04	3975.06	53.33	54.62	1.29	3921.54
	02/25/04	3975.06	53.62	55.29	1.67	3921.19
	03/09/04	3975.06	53.41	55.55	2.14	3921.33
	03/16/04	3975.06	53.28	55.11	1.83	3921.51
	03/22/04	3975.06	53.41	53.89	0.48	3921.58
	04/07/04	3975.06	53.73	53.81	0.08	3921.32

TABLE 1
GROUNDWATER ELEVATION DATA FOR 2004

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	04/12/04	3975.06	53.55	53.96	0.41	3921.45
	04/19/04	3975.06	53.69	53.86	0.17	3921.34
	05/05/04	3975.06	53.50	54.22	0.72	3921.45
	05/11/04	3975.06	53.60	54.98	1.38	3921.25
	06/07/04	3975.06	53.10	54.64	1.54	3921.73
	06/15/04	3975.06	53.11	54.69	1.58	3921.71
	06/20/04	3975.06	53.11	54.69	1.58	3921.71
	06/21/04	3975.06	53.08	54.57	1.49	3921.76
	06/28/04	3975.06	53.08	54.86	1.78	3921.71
	07/08/04	3975.06	53.09	54.79	1.70	3921.72
	07/12/04	3975.06	53.10	54.81	1.71	3921.70
	08/12/04	3975.06	53.26	54.66	1.40	3921.59
	08/17/04	3975.06	53.27	54.85	1.58	3921.55
	08/26/04	3975.06	53.38	54.30	0.92	3921.54
	09/01/04	3975.06	53.44	54.08	0.64	3921.52
	09/03/04	3975.06	53.44	53.99	0.55	3921.54
	09/08/04	3975.06	53.38	54.40	1.02	3921.53
	09/14/04	3975.06	53.44	54.13	0.69	3921.52
	09/22/04	3975.06	53.51	54.20	0.69	3921.45
	10/01/04	3975.06	53.36	54.50	1.14	3921.53
	10/08/04	3975.06	53.53	54.11	0.58	3921.44
	10/15/04	3975.06	53.35	54.36	1.01	3921.56
	10/22/04	3975.06	53.50	54.19	0.69	3921.46
	11/12/04	3975.06	53.62	54.40	0.78	3921.32
	11/26/04	3975.06	53.45	54.50	1.05	3921.45
	12/02/04	3975.06	53.43	54.39	0.96	3921.49
	12/06/04	3975.06	53.42	54.10	0.68	3921.54
	12/13/04	3975.06	53.43	54.00	0.57	3921.54
	12/15/04	3975.06	53.43	54.00	0.57	3921.54
	12/27/04	3975.06	53.40	54.30	0.90	3921.53
MW - 10	02/05/04	3975.02	-	53.23	0.00	3921.79
	05/05/04	3975.02	-	53.20	0.00	3921.82
	09/01/04	3975.02	-	53.25	0.00	3921.77
	12/15/04	3975.02	-	53.20	0.00	3921.82
MW - 11	02/05/04	3975.30	-	53.97	0.00	3921.33
	05/05/04	3975.30	-	53.93	0.00	3921.37
	09/01/04	3975.30	-	54.00	0.00	3921.30
	12/15/04	3975.30	-	53.95	0.00	3921.35
MW - 12	02/05/04	3974.55	-	52.92	0.00	3921.63
	05/05/04	3974.55	-	52.90	0.00	3921.65

TABLE 1
GROUNDWATER ELEVATION DATA FOR 2004

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	09/01/04	3974.55	-	52.94	0.00	3921.61
	12/15/04	3974.55	-	52.90	0.00	3921.65
MW - 13	02/05/04	3975.00	-	53.90	0.00	3921.10
	05/05/04	3975.00	-	53.90	0.00	3921.10
	09/01/04	3975.00	-	53.93	0.00	3921.07
	12/15/04	3975.00	-	53.88	0.00	3921.12
MW - 14	02/05/04	3976.15	-	54.60	0.00	3921.55
	05/05/04	3976.15	-	54.58	0.00	3921.57
	09/01/04	3976.15	-	54.65	0.00	3921.50
	12/15/04	3976.15	-	54.60	0.00	3921.55
MW - 15	02/05/04	3,974.69	-	53.45	0.00	3921.24
	05/05/04	3,974.69	-	53.42	0.00	3921.27
	09/01/04	3,974.69	-	53.47	0.00	3921.22
	12/15/04	3,974.69	-	53.40	0.00	3921.29
MW - 16	02/05/04	3,975.12	-	53.48	0.00	3921.64
	05/05/04	3,975.12	-	53.41	0.00	3921.71
	09/01/04	3,975.12	-	53.52	0.00	3921.60
	12/15/04	3,972.12	-	53.48	0.00	3918.64
MW - 17	02/05/04	3,975.93	-	54.44	0.00	3921.49
	05/05/04	3,975.93	-	54.42	0.00	3921.51
	09/01/04	3,975.93	-	54.50	0.00	3921.43
	12/15/04	3,975.93	-	54.44	0.00	3921.49
RW - 1	02/05/04	3970.79	49.18	51.71	2.53	3921.23
	02/17/04	3970.79	48.71	51.51	2.80	3921.66
	02/25/04	3970.79	49.15	51.67	2.52	3921.26
	03/09/04	3970.79	48.60	49.32	0.72	3922.08
	03/16/04	3970.79	48.62	50.13	1.51	3921.94
	03/22/04	3970.79	48.79	51.92	3.13	3921.53
	04/07/04	3970.79	48.70	49.22	0.52	3922.01
	04/12/04	3970.79	48.68	51.04	2.36	3921.76
	04/19/04	3970.79	48.61	49.10	0.49	3922.11
	05/05/04	3970.79	48.70	51.51	2.81	3921.67
	05/11/04	3970.79	48.83	51.77	2.94	3921.52
	06/07/04	3970.79	48.43	51.31	2.88	3921.93
	08/26/04	3970.79	48.51	51.29	2.78	3921.86
	09/03/04	3970.79	49.02	51.09	2.07	3921.46
	09/14/04	3970.79	48.61	50.86	2.25	3921.84

TABLE 1
GROUNDWATER ELEVATION DATA FOR 2004

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	09/22/04	3970.79	48.56	50.80	2.24	3921.89
	10/01/04	3970.79	48.62	50.82	2.20	3921.84
	10/08/04	3970.79	48.75	50.28	1.53	3921.81
	10/15/04	3970.79	48.59	50.20	1.61	3921.96
	10/22/04	3970.79	48.49	51.20	2.71	3921.89
	11/12/04	3970.79	48.5	51.20	2.70	3921.89
	11/26/04	3970.79	48.5	51.30	2.80	3921.87
	12/02/04	3970.79	48.53	51.22	2.69	3921.86
	12/06/04	3970.79	48.72	51.03	2.31	3921.72
	12/13/04	3970.79	48.96	51.10	2.14	3921.51
	12/15/04	3970.79	48.96	51.10	2.14	3921.51
	12/27/04	3970.79	48.46	51.20	2.74	3921.92
IDW	06/07/04	3970.79	48.43	51.31	2.88	3921.93
	06/15/04	3970.79	48.46	51.42	2.96	3921.89
	06/20/04	3970.79	48.46	51.42	2.96	3921.89
	06/21/04	3970.79	48.46	50.44	1.98	3922.03
	06/28/04	3970.79	48.44	51.38	2.94	3921.91
	07/08/04	3970.79	48.45	51.08	2.63	3921.95
	07/12/04	3970.79	48.46	51.12	2.66	3921.93
	08/06/04	3970.79	48.47	51.48	3.01	3921.87
	08/12/04	3970.79	48.48	51.48	3.00	3921.86

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER FOR 2004

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY LIMIT		0.01	0.01	0.75	TOTAL XYLENES	
					0.67	
MW - 1	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/05/04	<0.001	<0.001	<0.001	0.017	<0.001
	05/05/04	<0.001	<0.001	<0.001	0.005	<0.001
	09/01/04	<0.001	<0.001	<0.001	0.006	<0.001
	12/15/04	<0.001	<0.001	<0.001	0.002	
MW - 12	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/05/04	0.002	<0.001	0.001	0.053	<0.001
	05/05/04	<0.001	<0.001	0.001	0.002	<0.001
	09/01/04	<0.001	<0.001	0.002	0.016	<0.001
	12/15/04	<0.001	<0.001	<0.001	0.002	
MW - 14	02/05/04	0.763	0.819	0.226	0.492	0.218
	05/05/04	0.811	0.234	0.233	0.580	0.275
	12/15/04	0.071	0.019	0.021	0.078	
MW - 15	02/05/04	3.680	0.016	0.191	0.043	0.016
	05/05/04	1.700	0.026	0.085	0.030	0.027
	12/15/04	0.545	<0.0200	<0.0200	<0.0200	
MW - 16	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
	05/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/15/04	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER FOR 2004

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES	o -XYLENES
NMOCD REGULATORY LIMIT		0.01	0.01	0.75	TOTAL XYLENES	
					0.67	
MW - 17	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
	05/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
	09/01/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/15/04	<0.001	<0.001	<0.001	<0.001	

Table 3

CONCENTRATIONS OF METALS IN GROUND WATER FOR 2004

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NM

All water concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-6010B, 7470																					
		Aluminum	Arsenic	Barium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	silica	Silver	Sodium	Zinc	Boron
WQCC Standard		5	0.1	1	0.01		0.05	0.05	1	1	0.05		0.2	0.002	1	0.2		0.05		0.05			0.75
MW-1	12/15/04	1.91	<0.0100	0.116	<0.00500	113.0	<0.0100	<0.0200	<0.0125	0.91	<0.0100	19.3	<0.0250	<0.0002	<0.0500	<0.0250	2.43	<0.0500	50.20	<0.0125	34.8	<0.0250	1.38
MW-7	12/15/04	0.86	<0.0100	<0.0100	<0.00500	87.6	<0.0100	<0.0200	<0.0125	0.5510	<0.0100	15	0.0420	<0.0002	<0.0500	<0.0250	2.74	<0.0500	41.00	<0.0125	32	<0.0250	1.1
MW-8	12/15/04	1.250	<0.0100	0.1130	<0.00500	99.1	<0.0100	<0.0200	<0.0125	0.930	<0.0100	16.8	<0.0250	<0.0002	<0.0500	<0.0250	2.26	<0.0500	53.50	<0.0125	28.6	<0.0250	0.968
MW-10	12/15/04	13.10	<0.0100	0.561	<0.00500	140.0	0.02	<0.0200	<0.0125	8.07	<0.0100	25.2	0.0820	<0.0002	<0.0500	<0.0250	4.31	<0.0500	89.60	<0.0125	41.9	0.039	<0.00500
MW-11	12/15/04	1.73	<0.0100	0.164	<0.00500	115	<0.0100	<0.0200	<0.0125	2.450	<0.0100	18.6	0.0250	0.00023	<0.0500	<0.0250	2.75	<0.0500	47.40	<0.0125	28.3	<0.0250	1.39
MW-12	12/15/04	4.81	<0.0100	0.1270	<0.00500	120.0	0.011	<0.0200	<0.0125	3.01	<0.0100	19.5	0.0390	<0.0002	<0.0500	<0.0250	3.04	<0.0500	60.60	<0.0125	35.1	0.027	1.06
MW-13	12/15/04	2.24	<0.0100	0.127	<0.00500	109.0	<0.0100	<0.0200	<0.0125	1.23	<0.0100	17.9	0.0350	0.00058	<0.0500	<0.0250	2.75	<0.0500	52.40	<0.0125	36.4	<0.0250	0.0905
MW-14	12/15/04	<0.100	<0.0100	0.123	<0.00500	97.2	<0.0100	<0.0200	<0.0125	0.08	<0.0100	17.0	<0.0250	<0.0002	<0.0500	<0.0250	3.04	<0.0500	42.60	<0.0125	47	<0.0250	0.685
MW-15	12/15/04	5.73	<0.0100	0.179	<0.00500	151	0.01	<0.0200	<0.0125	4.950	<0.0100	15.20	0.1660	0.0004	<0.0500	<0.0250	4.74	<0.0500	66.20	<0.0125	27.3	<0.0250	0.693
MW-16	12/15/04	32.50	0.0500	1.340	<0.00500	743.0	0.087	<0.0200	0.047	20.60	0.03	39.1	0.2500	<0.0002	<0.0500	0.033	8.55	<0.0500	62.30	<0.0125	38.8	0.056	0.265
MW-17	12/15/2004	<10.0	<0.0100	0.3160	<0.00500	103	0.0180	<0.0200	<0.0125	4.11	<0.0100	23.70	0.0690	<0.0002	<0.0500	<0.0250	3.78	<0.0500	58.30	<0.0125	37.4	<0.0250	0.865

CONCENTRATIONS OF SEMI-VOLATILES IN GROUNDWATER FOR 2004

All water concentrations are reported in mg/L

[illegible]

Appendices

Appendix A
Notification of Release and Corrective
Action

05/02/2000 09:03
District I - (505) 393-6751
P.O. Box 1900
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 South First
Alamogordo, NM 88210
District III - (505) 334-6178
100 Rio Brazos Road
Roswell, NM 87410
District IV - (505) 827-7131

4326823713

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

TAM-97-04

Form C-141
Originated 2/12/97

Submit 2 copies to
Appropriate District
Office in accordance
with Rule 116 on
back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name Texas-New Mexico Pipe Line Company	Contact Edwin H. Gripp
Address Box 60028, San Angelo, TX 76906	Telephone No. (915) 947-9000
Facility Name 4" gathering line	Facility Type pipeline

Surface Owner Larry Megert	Mineral Owner	Lease No.
-------------------------------	---------------	-----------

Corrected location)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	11	16S	35E					Lea

NATURE OF RELEASE

Type of Release Sweet Crude	Volume of Release (revised) 488 barrels	Volume Recovered 5 barrels
Source of Release gathering line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 4/16/97 4:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Wayne Price	
By Whom? Billy D. Chapman	Date and Hour 4/25/97 9:00 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.

Describe Cause of Problem and Remedial Action Taken.

External Corrosion. Leak successfully clamped off.

Describe Area Affected and Cleanup Action Taken.

Approximately 1500 sq.ft. pasture land. Will remediate on site.

Describe General Conditions Prevailing (Temperature, Precipitation, etc.).

65 degrees; clear

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
Signature: *Edwin H. Gripp*

Printed Name: Edwin H. Gripp

Title: District Manager

Date: August 12, 1997

Phone: 915-947-9001

OIL CONSERVATION DIVISION

Approved by
District Supervisor

Approval Date

Expiration Date

Conditions of Approval:

Attached ☐

Attach Additional Sheets If Necessary

BDC JAS

State Corp. Commission
Pipe Line Division

Hazardous Waste Section
NM Environmental Improvement Div.

TNM-97-04



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

April 28, 2004

Joanna Prukop

Cabinet Secretary

Acting Director

Oil Conservation Division

Mr. Robert B. Eidson
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88240

GW
294

RE: Your "Annual Sampling and Quarterly Gauging of Groundwater Monitor Wells Meeting Regulatory Cleanup Standards" letter dated March 25, 2004

Sampling of the below-listed monitor wells may be done in the timeframes indicated:

Darr Angell #1: MW-4, 11, 15, 16, 19, and 20 may be sampled annually; MW-7 may be sampled semi-annually.

Darr Angell #2: MW-1, 5, 6, 7, 8, 9, and 10 may be sampled annually; MW-3, and 4 may be sampled semi-annually.

Darr Angell #4: MW-1, 2, 4, 5, 7, and 12 may be sampled annually; MW-9 may be sampled semi-annually.

HDO 90-23: MW-1, 7, and 8 may be sampled annually; MW-4, and 5 may be sampled semi-annually.

LF-37: MW-1, 2, 5, 6, 7, 8, and 9 may be sampled annually; MW-4 may be sampled semi-annually.

LF-59: MW-3, 5, and 6 may be sampled annually; MW-7 may be sampled semi-annually.

Monument 2: MW-6, and 7 may be sampled annually; MW-4 may be sampled semi-annually.

Monument 10: MW-4 may be sampled annually; MW-6, and 7 may be sampled semi-annually.

Monument 11: MW-1, 2, and 3 may be sampled annually.

Monument 17: MW-5, and 8 may be sampled annually. MW-4, and 6 may be sampled semi-annually.

Monument 18: MW-2, 6, 7, and 8 may be sampled annually. MW-5 may be sampled semi-annually.

TNM 97-04: MW-1, 7, 8, 10, and 12 may be sampled annually.

TNM 97-17: MW-1, 3, 11, 12, 13, 16, 17, 18, and 28 may be sampled annually. MW-22, 23, 24, 25, and 27 may be sampled semi-annually.

TNM 97-18: MW-1, 8, 9, 11, 12, 13, 14, 15, 16, 19, 20, and 21 may be sampled annually. MW-22, 26, 28, 29, and 30 may be sampled semi-annually.

TNM 97-23: MW-1, 2, 3, and 5 may be sampled annually.

TNM 98-05: MW-3, and 4 may be sampled annually.

TNM 98-05A: MW-5, and 8 may be sampled annually. MW-6, and 7 may be sampled semi-annually.

SPS-11: MW-2, 3, 13, 19, 20, 21, 22, 25, 27, 30, and 31 may be sampled annually. MW-10, and 18 may be sampled semi-annually.

Conditions:

1. Gauging of all monitor wells will continue on a quarterly basis.
2. A request for a change in sampling frequency for any other monitor wells must be made specifically for those wells. This approval of annual and semi-annual sampling for the above wells does not constitute a "blanket" approval for any other monitor well not shown above.

If you have any questions, do not hesitate to contact me.

NEW MEXICO OIL CONSERVATION DIVISION

A handwritten signature in cursive script, appearing to read "Ed Martin".

Ed Martin
Environmental Bureau

DRAFT

March 25, 2004

Mr. Ed Martin
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Annual sampling and quarterly gauging of groundwater monitor wells meeting regulatory cleanup standards.

Mr. Martin:

Environmental Technology Group, Inc. (ETGI) for Link Energy is requesting that the groundwater sampling schedule of the wells listed below be changed from a quarterly to an annual sampling schedule. Quarterly gauging will continue on all site monitor wells during the regularly scheduled monitoring events. Benzene and total BTEX concentrations have been below regulatory standards in all of the monitor wells listed below for at least eight consecutive monitoring periods:

- ✓ HDO 90-23: MW-1, 4, 5, 7 and 8;
- ✓ LF-37: MW-1, 2, 4, 5, 6, 7, 8 and 9;
- ✓ LF-59: MW-3, 5, 6 and 7;
- ✓ Monument 2: MW-4, 6 and 7;
- ✓ Monument 10: MW-1, 4, 5, 6 and 7;
- ✓ Monument 11: MW-1, 2 and 3;
- ✓ Monument 17: MW-4, 5, 6 and 8;
- ✓ Monument 18: MW-2, 5, 6, 7 and 8;
- ✓ TNM 97-04: MW-1, 7, 8, 10 and 12;
- ✓ TNM97-17: MW-1, 3, 11, 12, 13, 16, 17, 18, 22, 23, 24, 25, 27 and 28;
- ✓ TNM 97-18: MW-1; + E-mail
- ✓ TNM 97-23: MW-1, 2, 3 and 5;
- ✓ TNM 98-05: MW-3 and 4;
- ✓ TNM 98-05A: MW-5, 6, 7 and 8;
- ✓ SPS-11: MW-2, 3, 13, 15, 18, 19, 20, 21, 22, 25, 27, 30 and 31. + E-mail (#10)

As additional monitor wells meet the eight consecutive monitoring events requirement with concentrations below regulatory standards we will formally request that they too be sampled on an annual basis.

DRAFT

Please contact me with any questions you have concerning ETGI's proposed groundwater sampling schedule at these sites.

Sincerely;

Robert B. Edison
Geologist / Senior Project Manager
ETGI, Hobbs, New Mexico

(505) 397-4882 office phone
(505) 631-2974 cell
(505) 397-4701 fax

From: Robert Eidson [reidson@etgi.cc]
Sent: Tuesday, April 27, 2004 10:53 AM
To: Ed Martin
Subject: Groundwater sampling frequency letter
Ed:
The letter is attached for your reference.

Tabulated analytical results are included in all of the Annual Groundwater Monitoring reports. The Figure 3's should also be helpful in determining sampling frequency changes. Of those sites which show only seven consecutive quarters of acceptable groundwater sampling results, I checked the first quarter results of this year to meet the requirement (8). All wells will continue to be gauged during each sampling event.

- ✓ At the **Darr Angell 1 site (AP-07)** we would like to sample monitor wells MW-4, 7, 11, 15, 16, 19 and 20 annually.
- ✓ At the **Darr Angell 2 site (AP-07)** we would like to sample monitor wells MW-1, 3, 4, 5, 6, 7, 8, 9 and 10 annually.
- ✓ At the **Darr Angell 4 site (AP-07)** we would like to sample monitor wells MW-1, 2, 4, 5, 7, 9 and 12 annually.

Additionally, we would like to add the following monitor wells to the list shown on the attached letter:

- ✓ At **TNM 97-18 (AP-13)** monitor wells MW-8, 9, 11, 12, 13, 14, 15, 16, 19, 20, 21, 22, 26, 28, 29 and 30. and SPS-11.
- ✓ At **SPS-11** monitor wells MW-10 and MW-19.

I will send the corresponding maps in groups to speed transmission and delivery.

Sincerely,

Robert B. Eidson

Geologist / Sr. Project Manager

ETGI

Hobbs, New Mexico

505-397-4882 office

505-397-4701 fax

505-631-2974 cell

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ANNUAL MONITORING REPORT

GW
294

TNM 97-04

LEA COUNTY, NEW MEXICO

SE 1/4 of the SE 1/4 of SECTION 11, TOWNSHIP 16 SOUTH, RANGE 35 EAST

LINK ENERGY LEAK NUMBER: TNM-97-04

ETGI PROJECT NUMBER: LI2016

PREPARED FOR:

LINK ENERGY

5805 EAST HIGHWAY 80

MIDLAND, TEXAS 79701

PREPARED BY:

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

2540 WEST MARLAND

HOBBS, NEW MEXICO 88240

April 2004

ANNUAL MONITORING REPORT

TNM 97-04

LEA COUNTY, NEW MEXICO

SE 1/4 of the SE 1/4 of SECTION 11, TOWNSHIP 16 SOUTH, RANGE 35 EAST

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HOBBS, NEW MEXICO 88240

April 2004



Camille Reynolds
Project Manager



Todd Choban
Regional Manager

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FIELD ACTIVITIES.....	1
GROUNDWATER GRADIENT.....	1
LABORATORY RESULTS.....	2
SUMMARY.....	3
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Figure 2A – Inferred Groundwater Gradient Map February 5, 2003

2B – Inferred Groundwater Gradient Map May 7, 2003

2C – Inferred Groundwater Gradient Map August 18, 2003

2D – Inferred Groundwater Gradient Map December 1, 2003

Figure 3A – Groundwater Concentration Map February 6, 2003

3B – Groundwater Concentration Map May 7, 2003

3C – Groundwater Concentration Map August 18, 2003

3D – Groundwater Concentration Map December 1, 2003

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Table 2 – Concentrations of BTEX in Groundwater

Table 3 – Concentrations of Metals in Groundwater

Table 4 – Concentrations of Semi-Volatiles in Groundwater

Table 5 – Concentrations of Anions and Cations in Groundwater

APPENDICES

Appendix A – Laboratory Reports

INTRODUCTION

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

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

FIELD ACTIVITIES

Two groundwater monitor wells (MW-16 and MW-17) were installed during the last week of December 2002 to further delineate the impact of groundwater at the site. Initial groundwater sampling of monitor wells MW-16 and MW-17 was conducted on January 10, 2003 consisted of analysis for Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations, semi-volatile organic compounds (PAH), major cations and anions, Total Dissolved Solids (TDS) and New Mexico Water Quality Control Commission (WQCC) metals. The site monitor wells were gauged and sampled on February 5-6, May 7, August 18, and December 1, 2003. Monitor wells MW-16 and MW-17 were not resampled during the site monitoring event conducted on February 5 and 6, 2003. In accordance with the NMOCD letter dated January 12, 2000, additional groundwater samples were collected during the December monitoring event and analyzed for concentrations of PAH and WQCC metals. During each sampling event the monitor wells were purged of approximately three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were collected in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Vista Trucking of Eunice, New Mexico from January through August and Lobo Trucking of Hobbs, New Mexico from September through December utilizing a licensed disposal facility (NMOCD AO SWD-730).

GROUNDWATER GRADIENT

Locations of the monitor wells and the inferred groundwater gradient, constructed from measurements collected during quarterly sampling events are depicted on Figures 2A-2D, the Inferred Groundwater Gradient Maps. Cumulative groundwater elevation data is provided as Table 1. Groundwater elevation contours generated from water level measurements acquired during the quarterly sampling events of 2003, indicated a general gradient of approximately

0.003 ft/ft to the southeast as measured between groundwater monitor wells MW-13 and MW-14. The depth to groundwater, as measured from the top of the well casing, ranged between 48.97 to 59.21 feet in the shallow alluvial aquifer.

Measurable thicknesses of PSH were detected in monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-9 and recovery well RW-1 during the 2003 annual reporting period. Maximum thickness of 3.23 feet in monitor well MW-2, 3.51 feet in monitor well MW-3, 2.13 feet in monitor well MW-4, 3.88 feet in monitor well MW-5, 6.41 feet in monitor well MW-6, 4.69 feet in monitor well MW-9 and 3.00 in recovery well RW-1, were recorded and are shown in Table 1. Approximately 966 gallons of PSH was recovered from the site during the 2003 reporting period. A total of approximately 4,625 gallons of PSH has been recovered since the start of product recovery.

LABORATORY RESULTS

Groundwater samples collected during the 2003 monitoring events were delivered to AnalySys, Inc. in Austin, Texas for analysis of BTEX constituent concentrations by EPA Method SW846-8260b, TDS using EPA Method SW 846-160.1, WQCC metals using EPA Method SW 846-6010, 200.7, PAH using EPA Method SW 846-8270c, chlorides using EPA Method SW 846-9253, and major cations and anions using EPA Methods SW 846-375.4, 325.3 and 310. A cumulative listing of BTEX constituent concentrations is summarized in Table 2. Results of WQCC metals analysis on groundwater samples obtained during the 2003 reporting period are summarized in Table 3. Results of semi-volatile (PAH) constituent analysis on groundwater samples obtained during the 2003 reporting period are summarized in Table 4. Results of analysis for major cations and anions in groundwater samples obtained during the 2003 reporting period are summarized in Table 5. Copies of the laboratory reports generated during this reporting period are provided as Appendix A. The inferred extent of PSH and quarterly groundwater sample results for benzene and BTEX constituent concentrations are depicted on Figures 3A-3D, the Groundwater Concentration Maps.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2003 monitoring period indicate that the benzene and BTEX concentrations are below NMOCD regulatory standards in monitor wells MW-1, MW-7, MW-8, MW-10, MW-12, MW-13 and MW-17. The benzene concentrations in monitor wells MW-11, MW-15 and MW-16 are above NMOCD regulatory standards, while the total BTEX concentrations are below NMOCD regulatory standards. The benzene and total BTEX concentrations in monitor well MW-14 exceeded NMOCD regulatory standards. However, measurable thicknesses of PSH were recorded in monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-9 and recovery well RW-1 during the 2003 monitoring period. Review of analytical results of the initial groundwater sampling event on monitor wells MW-16 and MW-17 indicate constituent concentrations above NMOCD regulatory standards for aluminum, iron, benzo-a-pyrene and naphthalene as shown on Tables 3 and 4, respectively. Review of analytical results of the additional sampling conducted for concentrations of WQCC metals and semi-volatiles (PAH) indicate constituent concentrations above NMOCD regulatory standards for aluminum, iron and naphthalene as shown on Tables 3 and 4, respectively.

SUMMARY

This report presents the results of groundwater monitoring activities for the annual monitoring period of calendar year 2003. Measurable thicknesses of PSH were detected in monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-9 and recovery well RW-1 during the 2003 annual monitoring period. Maximum thicknesses of 3.23 feet in monitor well MW-2, 3.51 feet in monitor well MW-3, 2.13 feet in monitor well MW-4, 3.88 feet in monitor well MW-5, 6.41 feet in monitor well MW-6, 4.69 feet in monitor well MW-9 and 3.00 in recovery well RW-1, were measured during the 2003 reporting period. Approximately 966 gallons of PSH was recovered from the site during the 2003 reporting period. A total of approximately 4,625 gallons of PSH has been recovered since the start of product recovery. Recovered PSH was reintroduced into the Link transportation system at the Lea Station Facility, Monument, New Mexico.

Groundwater elevation contours, generated from water level measurements acquired during the quarterly sampling events of 2003 indicated a general gradient of approximately 0.003 ft/ft to the southeast as measured between groundwater monitor wells MW-10 and MW-15.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2003 monitoring period indicate that the benzene and BTEX concentrations are below NMOCD regulatory standards in monitor wells MW-1, MW-7, MW-8, MW-10, MW-12, MW-13 and MW-17. The benzene concentrations in monitor wells MW-11, MW-15 and MW-16 are above NMOCD regulatory standards, while the total BTEX concentrations are below NMOCD regulatory standards. The benzene and total BTEX concentrations in monitor well MW-14 exceeded NMOCD regulatory standards. However, measurable thicknesses of PSH were recorded in monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-9 and recovery well RW-1 during the 2003 monitoring period. Review of analytical results of the initial groundwater sampling event on monitor wells MW-16 and MW-17 indicate constituent concentrations above NMOCD regulatory standards for aluminum, iron, benzo-a-pyrene and naphthalene as shown on Tables 3 and 4, respectively. Review of analytical results of the additional sampling conducted for concentrations of WQCC metals and semi-volatiles (PAH) indicate constituent concentrations above NMOCD regulatory standards for aluminum, iron and naphthalene as shown on Tables 3 and 4, respectively.

Groundwater sampling results from samples collected at monitor wells MW-1, MW-7, MW-8, MW-10 and MW-12 have not exceeded the NMOCD regulatory standards for benzene or total BTEX concentrations for at least eight consecutive monitoring events. At this time, we are requesting that the above referenced monitor wells be gauged quarterly but sampled annually, until conditions for site closure are met.

DISTRIBUTION

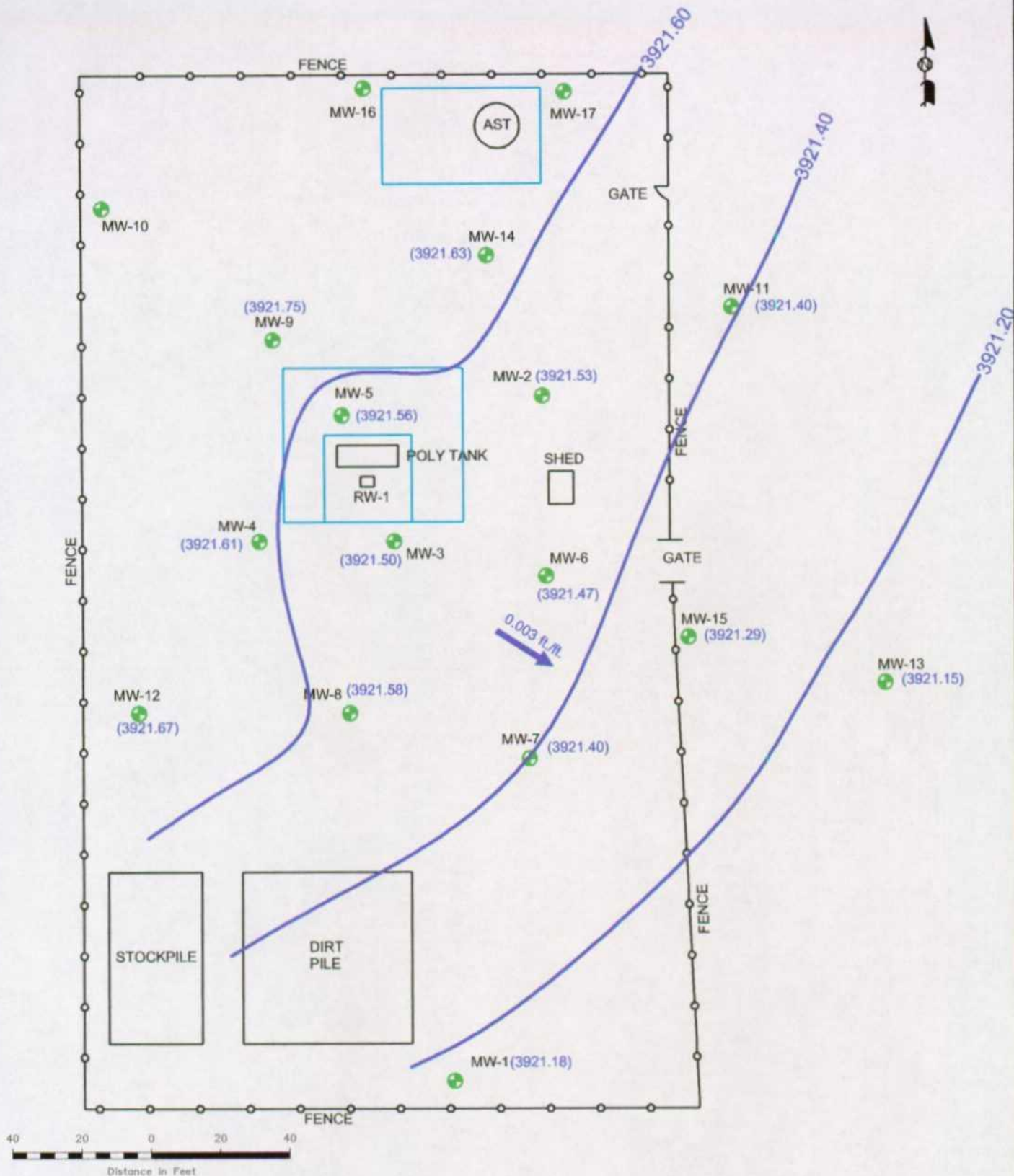
- Copy 1 & 2: William C. Olson and Ed Martin
New Mexico Oil Conservation Division
Environmental Bureau
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Santa Fe, New Mexico 87505
- Copy 3: Chris Williams
New Mexico Oil Conservation Division (District 1)
1625 French Drive
Hobbs, New Mexico 88240
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Houston, Texas 77042
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Midland, Texas 79701
- Copy 6: Environmental Technology Group, Inc.
4600 W. Wall
Midland, Texas 79703
- Copy 7: Environmental Technology Group, Inc.
2540 W. Marland
Hobbs, New Mexico 88240

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Quality Control Review

FIGURES

Scale: NTS	Prep By: JDJ	Checked By: CR
February 25, 2002	ETGI Project #: LI 2016	



Monitor Wells MW-10, MW-16, MW-17 and Recovery Well RW-1 were not utilized in the construction of this map.

LEGEND:

- Monitoring Well Locations
- (3921.82) Groundwater Elevation in Feet
- Berms
- Ground Water Contour Lines
- 0.003 ft/ft Groundwater Gradient Direction and Magnitude

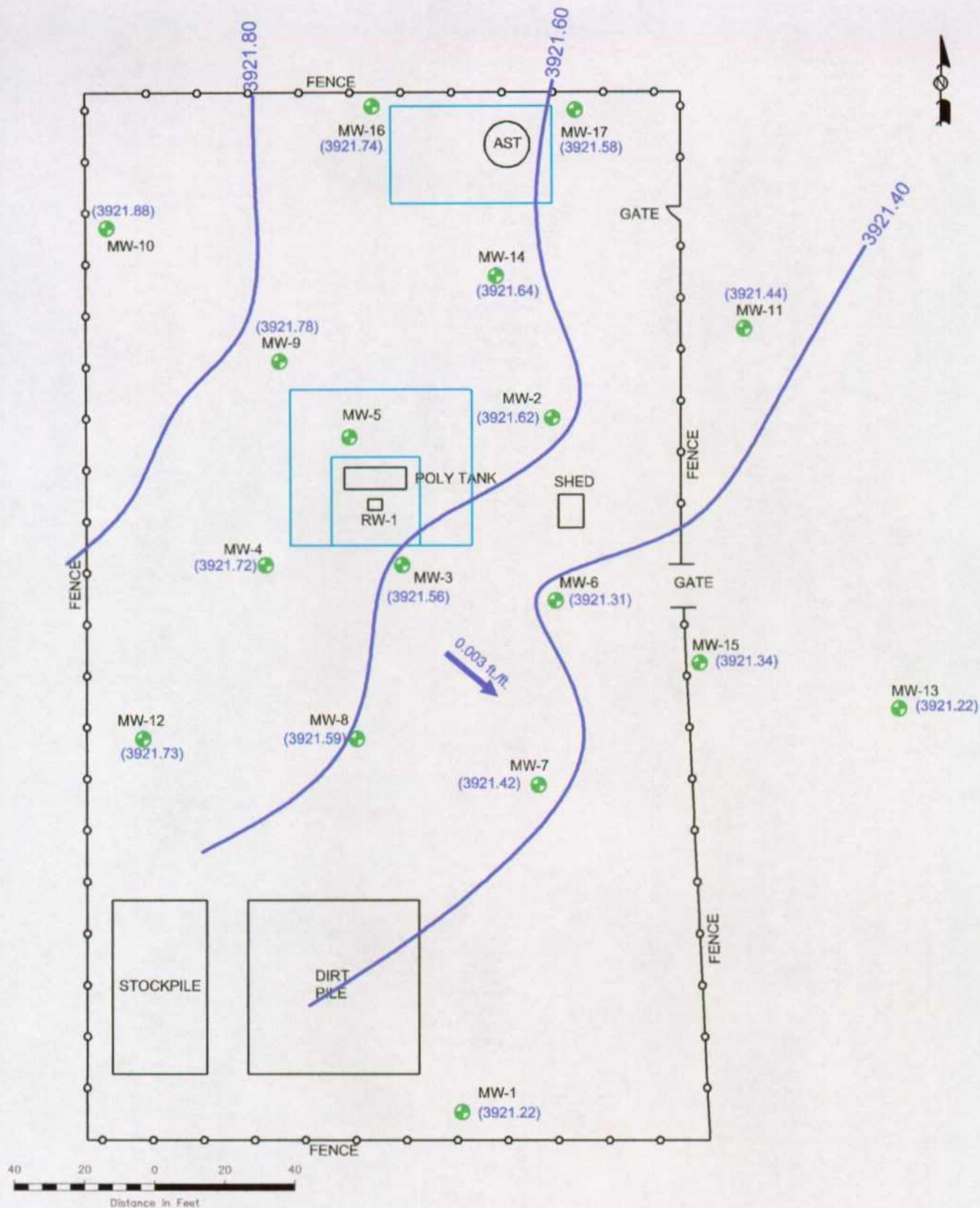
Figure 2A
Inferred Groundwater
Gradient Map (2/5V03)

Link Energy
TNM 97 - 04
Lea County, NM



Environmental Technology
Group, Inc.

SE1/4 SE1/4 Sec 11 T16S R35E	ETGI Project #: LI 2016
Scale: 1" = 40'	Prep By: JDJ
March 29, 2004	Checked By: CR
Lat. 32° 55' 57.1"N Long. 103° 25' 12.3"W	



Monitor Well MW-5 and Recovery Well RW-1 were not utilized in the construction of this map

LEGEND:

- Monitoring Well Locations
- Groundwater Elevation in Feet
- Berms
- Ground Water Contour Lines
- Groundwater Gradient Direction and Magnitude

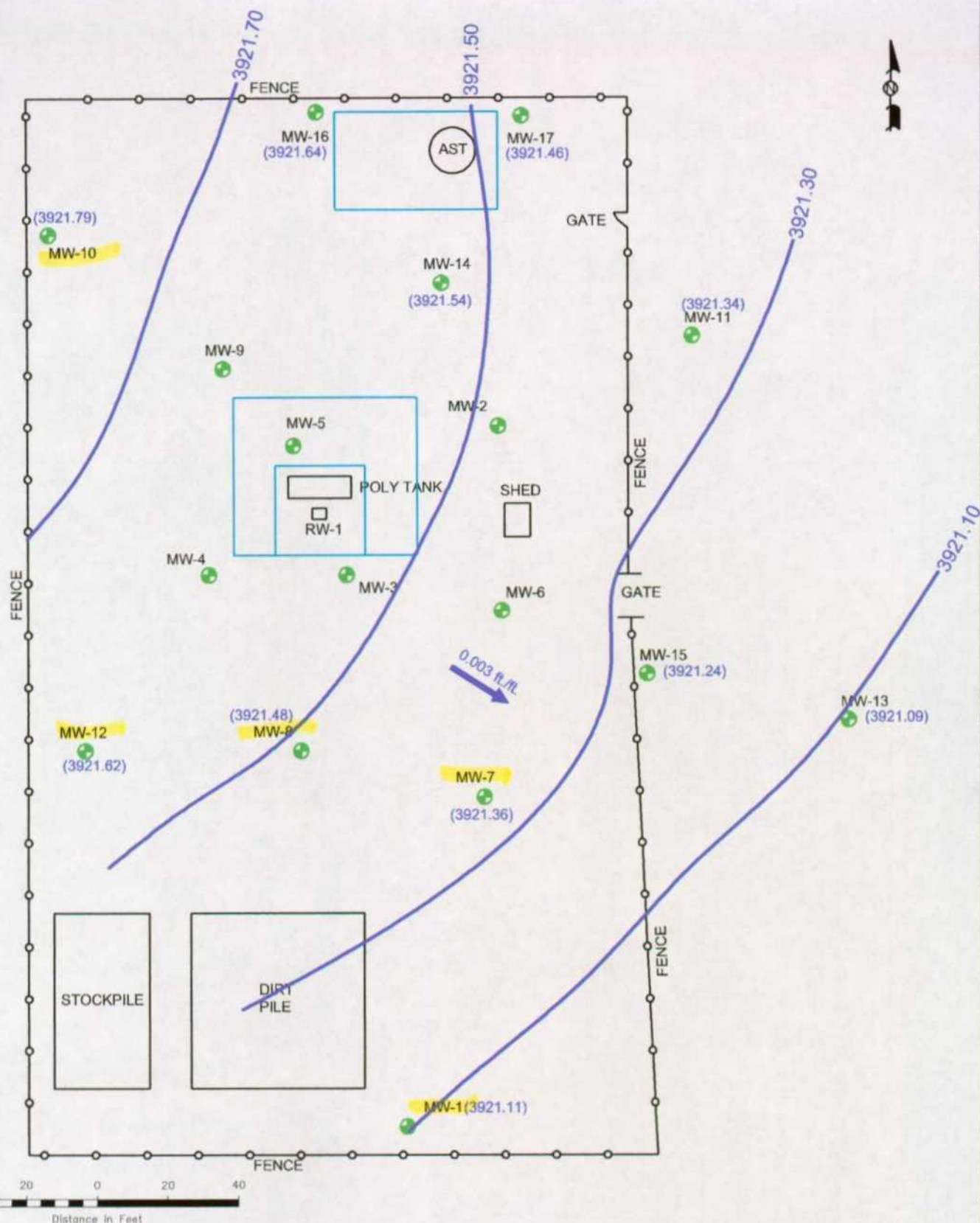
Figure 2B
Inferred Groundwater
Gradient Map (5/7/03)

Link Energy
TNM 97 - 04
Lea County, NM



**Environmental Technology
Group, Inc.**

SE1/4 SE1/4 Sec 11 T16S R35E	ETGI Project #: LI 2016	
Scale: 1" = 40'	Prep By: CS	Checked By: CR
February 23, 2004	Lat. 32° 55' 57.1"N Long. 103° 25' 12.3"W	



Monitor Wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-9 and Recovery Well RW-1 were not utilized in the construction of this map.

LEGEND:

- + Monitoring Well Locations
- (3921.62) Groundwater Elevation in Feet
- Berms
- Ground Water Contour Lines
- 0.003 ft/ft Groundwater Gradient Direction and Magnitude

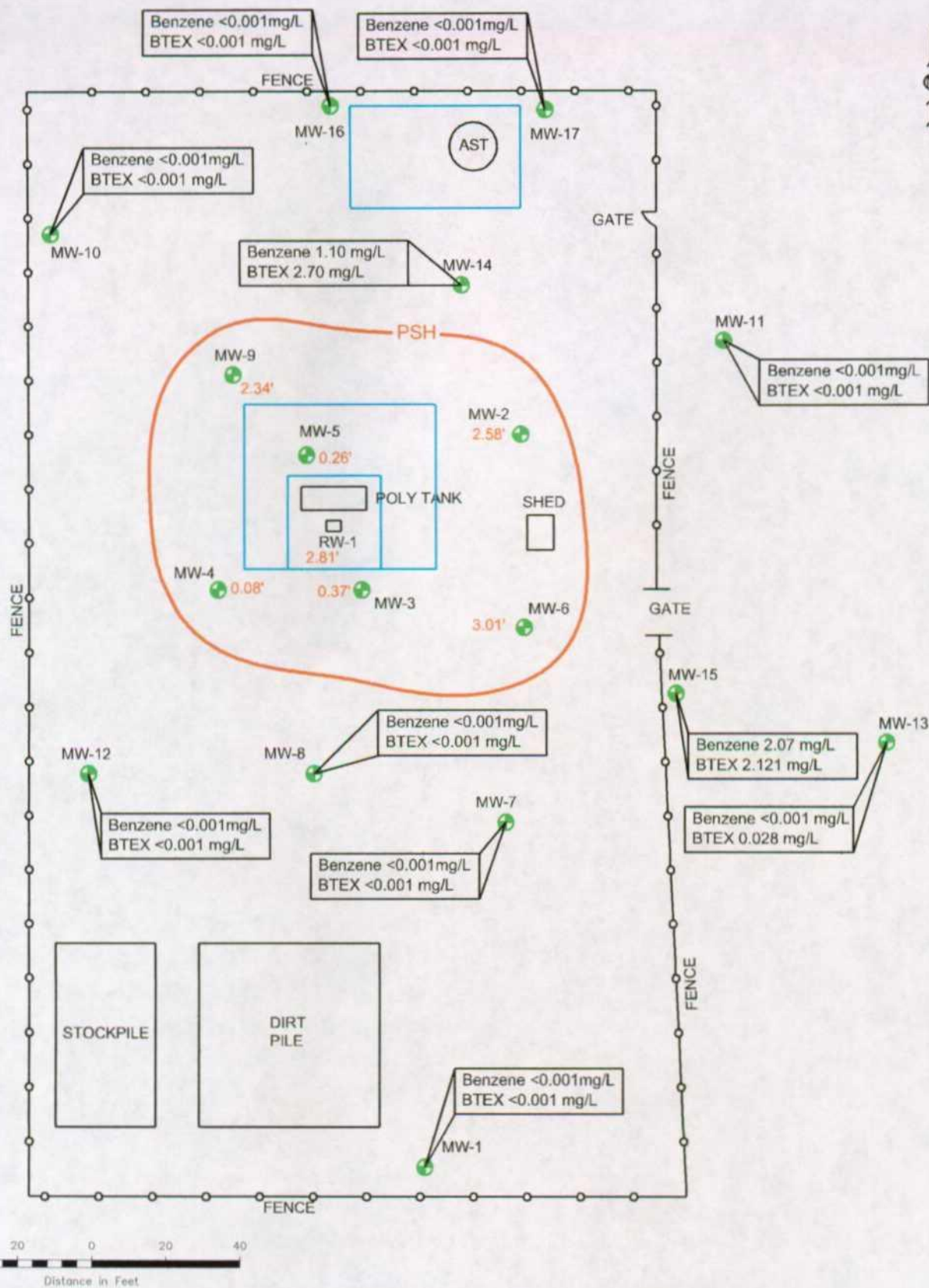
Figure 2D
Inferred Groundwater
Gradient Map (12/1/03)

Link Energy
TNM 97 - 04
Lea County, NM



**Environmental Technology
Group, Inc.**

SE1/4 SE1/4 Sec 11 T16S R35E	ETGI Project #: LI 2016	
Scale: 1" = 40'	Prep By: JDJ	Checked By: CR
March 29, 2004	Lat. 32° 55' 57.1"N Long. 103° 25' 12.3"W	



LEGEND:
 Monitoring Well Locations
 Berms
 Inferred PSH Extent

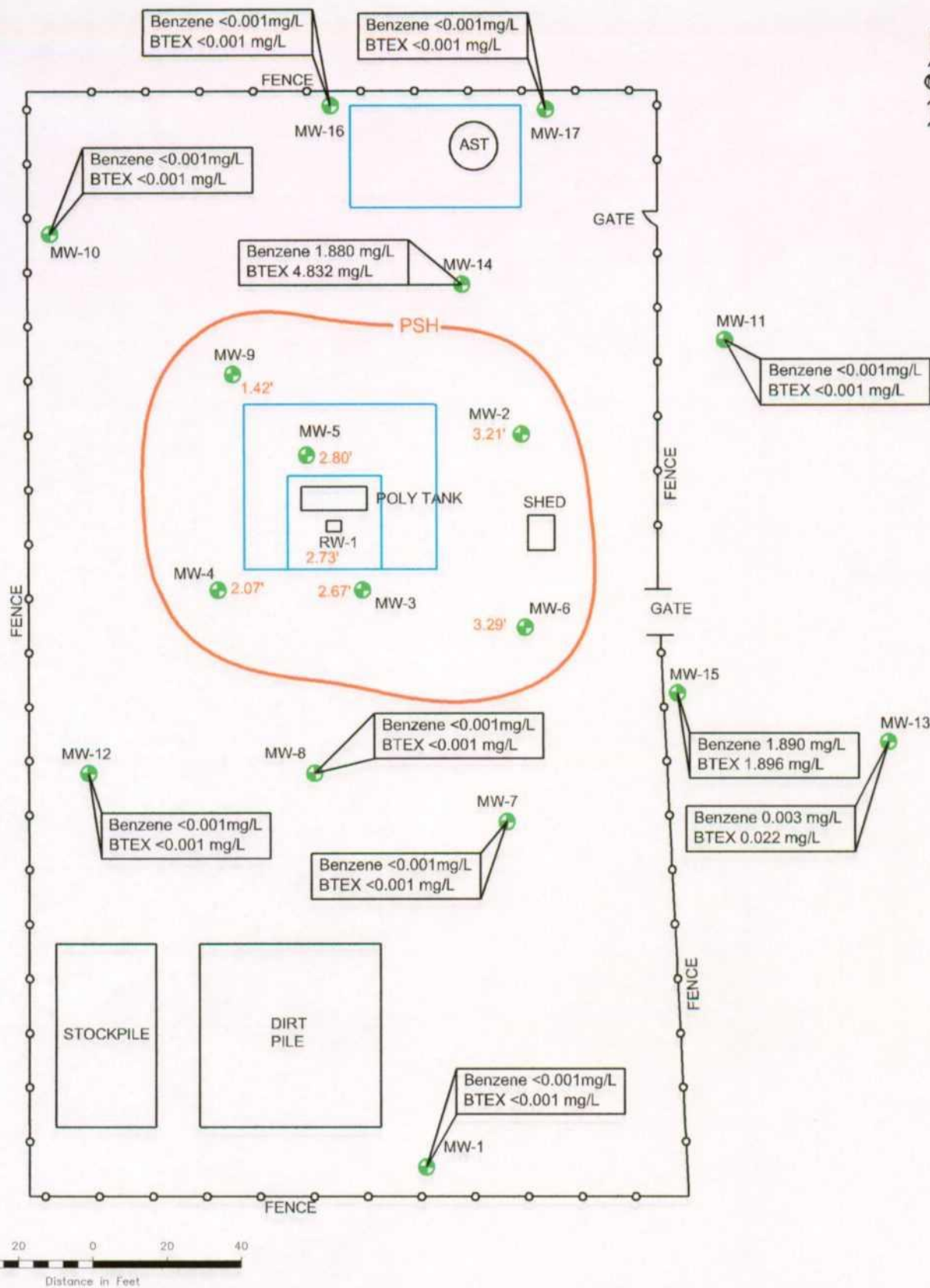
Note: PSH Thickness in Feet

Figure 3A
 Groundwater Concentration
 Map 2/06/03
 Link Energy
 TNM 97 - 04
 Lea County, NM



**Environmental Technology
 Group, Inc.**

SE1/4 SE1/4 Sec 11 T16S R35E	ETGI Project #: LI 2016	
Scale: 1" = 40'	Prep By: CS	Checked By: CR
March 26, 2004	Lat. 32° 55' 57.1"N Long. 103° 25' 12.3"W	



LEGEND:

- Monitoring Well Locations
- Berms
- Inferred PSH Extent

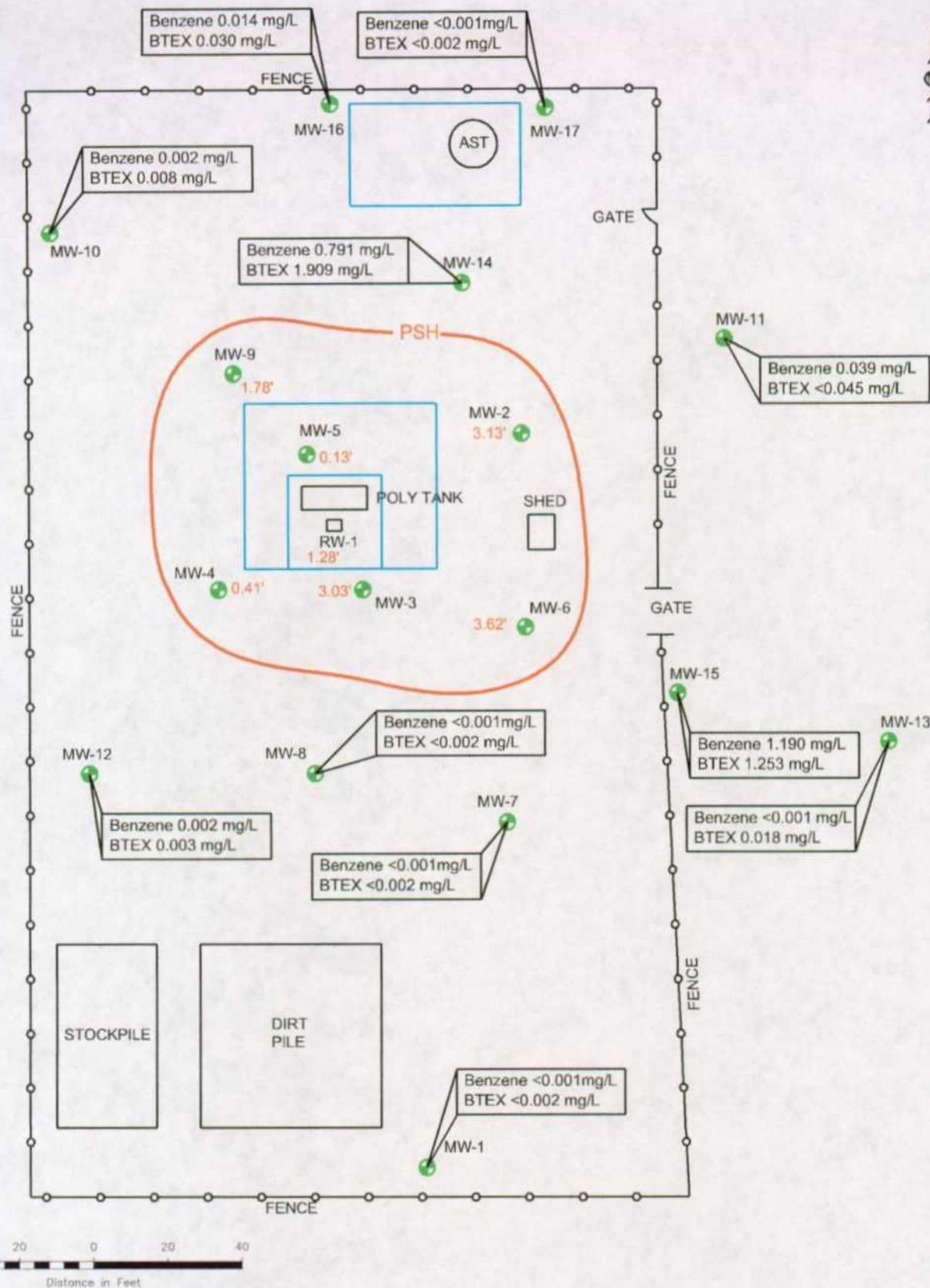
Note: PSH Thickness in Feet

Figure 3B
Groundwater Concentration
Map 5/07/03
Link Energy
TNM 97 - 04
Lea County, NM



Environmental Technology Group, Inc.

SE1/4 SE1/4 Sec 11 T16S R35E	ETGI Project #: LI 2016
Scale: 1" = 40'	Prep By: CS
March 26, 2004	Checked By: CR
Lat. 32° 55' 57.1"N Long. 103° 25' 12.3"W	



LEGEND:

- Monitoring Well Locations
- Berms
- Inferred PSH Extent

Note: PSH Thickness in Feet

Figure 3D
Groundwater Concentration
Map 12/01/03
Link Energy
TNM 97 - 04
Lea County, NM



Environmental Technology
Group, Inc.

SE1/4 SE1/4 Sec 11 T16S R35E	ETGI Project #: LI 2016	
Scale: 1" = 40'	Prep By: CS	Checked By: CR
March 26, 2004	Lat. 32° 55' 57.1"N Long. 103° 25' 12.3"W	

TABLES

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-1	03/02/00	3,974.18	-	53.01	0.00	3921.17
	04/25/00	3,974.18	-	53.02	0.00	3,921.16
	09/06/00	3,974.18	-	53.07	0.00	3,921.11
	11/28/00	3,974.18	-	53.08	0.00	3,921.10
	02/21/01	3,974.18	-	52.98	0.00	3,921.20
	05/31/01	3,974.18	-	52.94	0.00	3,921.24
	08/23/01	3,974.18	-	52.95	0.00	3,921.23
	11/21/01	3,974.18	-	52.99	0.00	3,921.19
	02/13/02	3,974.18	-	53.04	0.00	3,921.14
	06/12/02	3,974.18	-	52.99	0.00	3,921.19
	08/26/02	3,974.18	-	53.02	0.00	3,921.16
	11/21/02	3,974.18	-	53.07	0.00	3,921.11
	02/05/03	3,974.18	-	53.00	0.00	3,921.18
	05/07/03	3,974.18	-	52.96	0.00	3,921.22
	08/18/03	3,974.18	-	53.01	0.00	3,921.17
	12/01/03	3,974.18	-	53.07	0.00	3,921.11
MW - 2	03/02/00	3,974.62	52.49	55.38	2.89	3,921.70
	04/25/00	3,974.62	52.59	55.42	2.83	3,921.61
	09/05/00	3,974.62	52.58	55.71	3.13	3,921.57
	12/01/00	3,974.62	52.75	55.23	2.48	3,921.50
	02/21/01	3,974.62	52.52	55.75	3.23	3,921.62
	05/31/01	3,974.62	52.77	54.75	1.98	3,921.55
	08/23/01	3,974.62	52.40	55.83	3.35	3,921.64
	11/21/01	3,974.62	53.02	54.21	1.19	3,921.42
	02/13/02	3,974.62	52.48	56.14	3.66	3,921.59
	06/12/02	3,974.62	52.44	56.11	3.67	3,921.63
***	08/26/02	3,974.62	-	-	-	-
	11/08/02	3,974.62	52.59	55.99	3.40	3,921.52
	11/21/02	3,974.62	53.13	53.54	0.41	3,921.43
	12/27/02	3,974.62	52.64	55.65	3.01	3,921.53
	01/06/03	3,974.62	52.80	54.81	2.01	3,921.52
	01/08/03	3,974.62	52.95	54.14	1.19	3,921.49
	01/10/03	3,974.62	53.15	53.32	0.17	3,921.44
	01/13/03	3,974.62	53.14	53.32	0.18	3,921.45
	02/05/03	3,974.62	52.70	55.28	2.58	3,921.53

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	02/26/03	3,974.62	52.57	55.74	3.17	3,921.57
	03/04/03	3,974.62	52.58	55.75	3.17	3,921.56
	03/12/03	3,974.62	52.60	55.79	3.19	3,921.54
	03/18/03	3,974.62	52.61	55.71	3.10	3,921.55
	03/25/03	3,974.62	52.60	55.77	3.17	3,921.54
	03/31/03	3,974.62	52.59	55.71	3.12	3,921.56
	04/09/03	3,974.62	52.60	53.13	0.53	3,921.94
	04/14/03	3,974.62	52.64	52.89	0.25	3,921.94
	05/07/03	3,974.62	52.52	55.73	3.21	3,921.62
	05/08/03	3,974.62	52.60	55.81	3.21	3,921.54
	05/13/03	3,974.62	52.61	55.79	3.18	3,921.53
	05/21/03	3,974.62	52.62	55.83	3.21	3,921.52
	05/27/03	3,974.62	52.57	55.71	3.14	3,921.58
	05/28/03	3,974.62	52.63	55.83	3.20	3,921.51
	06/03/03	3,974.62	52.76	55.81	3.14	3,921.48
	06/09/03	3,974.62	52.62	55.79	3.17	3,921.52
	07/01/03	3,974.62	52.80	53.81	1.01	3,921.67
	07/08/03	3,974.62	52.69	55.92	3.23	3,921.45
	07/29/03	3,974.62	52.57	55.72	3.15	3,921.58
	08/04/03	3,974.62	52.76	55.91	3.15	3,921.39
	08/18/03	3,974.62	52.85	54.18	1.33	3,921.57
	08/25/03	3,974.62	52.86	56.04	3.18	3,921.28
	10/01/03	3,974.62	52.76	52.99	0.23	3,921.83
	10/06/03	3,974.62	52.63	55.69	3.06	3,921.53
	10/08/03	3,974.62	52.95	56.07	3.12	3,921.20
	10/15/03	3,974.62	52.93	56.08	3.15	3,921.22
	11/12/03	3,974.62	53.04	54.18	1.14	3,921.41
	11/19/03	3,974.62	53.03	56.18	3.15	3,921.12
	12/01/03	3,974.62	53.08	56.21	3.13	3,921.07
	12/10/03	3,974.62	52.74	55.82	3.08	3,921.42
MW - 3	03/02/00	3,974.60	52.71	55.03	2.38	3,921.59
	04/25/00	3,974.60	52.61	55.09	2.48	3,921.62
	09/06/00	3,974.60	52.54	55.66	3.12	3,921.59
	11/28/00	3,974.60	52.64	55.57	2.93	3,921.52
	02/21/01	3,974.60	52.94	53.50	0.56	3,921.58
	05/31/01	3,974.60	52.51	55.71	3.20	3,921.61

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	08/23/01	3,974.60	52.46	55.80	3.34	3,921.64
	11/21/01	3,974.60	52.46	55.81	3.35	3,921.64
	02/13/02	3,974.60	52.51	55.78	3.27	3,921.60
	06/12/02	3,974.60	52.47	55.17	2.70	3,921.73
	08/26/02	3,974.60	55.74	52.49	3.25	3,924.87
	11/08/02	3,974.60	53.15	53.21	0.06	3,921.44
	11/21/02	3,974.60	53.15	53.21	0.06	3,921.44
	12/27/02	3,974.60	52.64	55.24	2.60	3,921.57
	01/06/03	3,974.60	52.87	54.47	1.60	3,921.49
	01/08/03	3,974.60	52.77	54.69	1.92	3,921.54
	01/10/03	3,974.60	53.04	53.46	0.42	3,921.50
	01/13/03	3,974.60	53.04	53.41	0.37	3,921.50
	02/05/03	3,974.60	53.04	53.41	0.37	3,921.50
	02/26/03	3,974.60	52.81	54.24	1.43	3,921.58
	03/04/03	3,974.60	52.84	54.25	1.41	3,921.55
	03/12/03	3,974.60	52.65	55.24	2.59	3,921.56
	03/18/03	3,974.60	52.72	55.30	2.58	3,921.49
	03/25/03	3,974.60	52.64	55.30	2.66	3,921.56
	03/31/03	3,974.60	52.95	53.74	0.79	3,921.53
	04/09/03	3,974.60	52.41	52.98	0.54	3,922.08
	04/14/03	3,974.60	52.68	52.91	0.23	3,921.89
	05/07/03	3,974.60	52.56	55.23	2.67	3,921.64
	05/08/03	3,974.60	52.64	55.30	2.66	3,921.56
	05/13/03	3,974.60	52.66	55.36	2.70	3,921.54
	05/21/03	3,974.60	52.65	55.40	2.75	3,921.54
	05/28/03	3,974.60	53.03	53.87	0.84	3,921.44
	06/03/03	3,974.60	52.72	55.12	2.40	3,921.52
	06/09/03	3,974.60	52.65	55.50	2.85	3,921.52
	07/01/03	3,974.60	52.68	55.81	3.13	3,921.45
	07/08/03	3,974.60	52.68	55.84	3.19	3,921.47
	07/29/03	3,974.60	52.53	55.71	3.18	3,921.59
	08/04/03	3,974.60	52.70	55.91	3.21	3,921.42
	08/18/03	3,974.60	52.81	56.01	3.20	3,921.31
	08/25/03	3,974.60	53.83	56.06	3.23	3,921.29
	10/01/03	3,974.60	52.60	54.81	2.21	3,921.67
	10/06/03	3,974.60	62.62	55.73	3.11	3,921.51
	10/08/03	3,974.60	52.90	56.09	3.19	3,921.22

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	10/15/03	3,974.60	52.89	56.04	3.20	3,921.28
	11/12/03	3,974.60	53.21	56.72	3.51	3,920.86
	11/19/03	3,974.60	52.99	56.08	3.09	3,921.15
	12/01/03	3,974.60	53.05	56.08	3.03	3,921.10
	12/10/03	3,974.60	52.72	55.74	3.02	3,921.43
MW - 4	03/02/00	3,974.53	52.58	54.30	1.72	3,921.69
	04/25/00	3,974.53	52.59	54.38	1.79	3,921.67
	09/06/00	3,974.53	52.44	55.11	2.67	3,921.69
	11/28/00	3,974.53	52.48	55.25	2.77	3,921.63
	02/21/01	3,974.53	52.38	55.15	2.77	3,921.73
	05/31/01	3,974.53	52.43	55.22	2.79	3,921.68
	08/23/01	3,974.53	52.38	55.24	2.86	3,921.72
	11/21/01	3,974.53	52.37	55.15	2.78	3,921.74
	02/13/02	3,974.53	52.42	55.21	2.79	3,921.69
	06/12/02	3,974.53	52.31	55.44	3.13	3,921.75
	08/26/02	3,974.53	52.33	55.50	3.17	3,921.72
	11/08/02	3,974.53	52.94	53.18	0.24	3,921.55
	11/21/02	3,974.53	52.61	54.63	2.02	3,921.62
	12/27/02	3,974.53	52.53	54.86	2.33	3,921.65
	01/06/03	3,974.53	52.74	53.93	1.19	3,921.61
	01/08/03	3,974.53	52.77	53.81	1.04	3,921.60
	01/10/03	3,974.53	52.86	53.31	0.45	3,921.60
	01/13/03	3,974.53	52.87	53.26	0.39	3,921.60
	02/05/03	3,974.53	52.91	52.99	0.08	3,921.61
	02/26/03	3,974.53	52.72	53.86	1.14	3,921.64
	03/04/03	3,974.53	52.70	53.86	1.16	3,921.66
	03/12/03	3,974.53	52.78	53.69	0.91	3,921.61
	03/18/03	3,974.53	52.91	53.30	0.39	3,921.56
	03/25/03	3,974.53	52.85	53.32	0.47	3,921.61
	03/31/03	3,974.53	52.82	53.41	0.59	3,921.62
	04/09/03	3,974.53	52.81	53.33	0.52	3,921.64
	04/14/03	3,974.53	52.79	53.48	0.69	3,921.64
	05/07/03	3,974.53	52.50	54.57	2.07	3,921.72
	05/08/03	3,974.53	52.58	54.67	2.09	3,921.64
	05/13/03	3,974.53	52.57	54.66	2.09	3,921.65
	05/21/03	3,974.53	52.58	54.71	2.13	3,921.63
	05/27/03	3,974.53	52.73	53.62	0.89	3,921.67

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	05/28/03	3,974.53	52.82	53.65	0.83	3,921.59
	06/03/03	3,974.53	52.68	54.35	1.67	3,921.60
	06/10/03	3,974.53	52.82	53.60	0.78	3,921.59
	07/01/03	3,974.53	52.91	53.66	0.75	3,921.51
	07/08/03	3,974.53	52.77	54.30	1.53	3,921.53
	07/29/03	3,974.53	52.57	54.38	1.81	3,921.69
	08/04/03	3,974.53	52.85	54.17	1.32	3,921.48
	08/18/03	3,974.53	52.84	53.39	0.55	3,921.61
	08/25/03	3,974.53	52.85	54.86	2.01	3,921.38
	10/06/03	3,974.53	52.91	53.17	0.26	3,921.58
	10/08/03	3,974.53	53.12	53.98	0.86	3,921.28
	10/15/03	3,974.53	53.14	53.88	0.74	3,921.28
	11/12/03	3,974.53	53.14	54.94	1.80	3,921.12
	11/19/03	3,974.53	53.10	54.58	1.48	3,921.21
	12/01/03	3,974.53	53.29	53.70	0.41	3,921.18
	12/10/03	3,974.53	52.96	53.50	0.54	3,921.49
MW - 5	03/02/00	3,974.28	52.09	55.50	3.41	3,921.68
	04/25/00	3,974.28	52.04	55.59	3.55	3,921.71
	09/06/00	3,974.28	52.11	55.48	3.37	3,921.66
	11/28/00	3,974.28	52.21	55.46	3.25	3,921.58
	02/21/01	3,974.28	52.07	55.40	3.33	3,921.71
	05/31/01	3,974.28	52.11	55.48	3.37	3,921.66
	08/23/01	3,974.28	52.08	55.45	3.37	3,921.69
	11/21/01	3,974.28	52.20	55.43	3.23	3,921.60
	02/13/02	3,974.28	52.14	55.43	3.29	3,921.65
	06/12/02	3,974.28	52.04	55.65	3.61	3,921.70
	08/26/02	3,974.28	52.04	55.68	3.64	3,921.69
	11/08/02	3,974.28	52.71	52.97	0.26	3,921.53
	11/21/02	3,974.28	52.73	53.01	0.28	3,921.51
	12/27/02	3,974.28	52.24	55.09	2.85	3,921.61
	01/06/03	3,974.28	52.30	54.80	2.50	3,921.61
	01/08/03	3,974.28	52.41	54.24	1.83	3,921.60
	01/10/03	3,974.28	52.71	52.96	0.25	3,921.53
	01/13/03	3,974.28	52.69	52.93	0.24	3,921.55
	02/05/03	3,974.28	52.68	52.94	0.26	3,921.56
	02/26/03	3,974.28	52.20	56.05	3.85	3,921.50
	03/04/03	3,974.28	52.19	56.07	3.88	3,921.51

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	03/12/03	3,974.28	52.22	55.12	2.90	3,921.63
	03/18/03	3,974.28	52.74	52.96	0.22	3,921.51
	03/25/03	3,974.28	52.68	53.04	0.36	3,921.55
	03/31/03	3,974.28	52.64	53.12	0.48	3,921.57
	04/09/03	3,974.28	52.68	52.91	0.23	3,921.57
	04/14/03	3,974.28	52.71	52.79	0.08	3,921.56
	05/07/03	3,974.28	52.17	54.47	2.80	3,922.19
	05/08/03	3,974.28	52.25	55.04	2.79	3,921.61
	05/13/03	3,974.28	52.32	55.04	2.72	3,921.55
	05/21/03	3,974.27	52.25	55.14	2.89	3,921.59
	05/27/03	3,974.27	52.22	54.96	2.74	3,921.64
	05/28/03	3,974.27	52.27	55.11	2.84	3,921.57
	06/03/03	3,974.27	52.77	52.84	0.07	3,921.49
	06/10/03	3,974.27	52.72	52.90	0.18	3,921.52
	07/01/03	3,974.27	52.79	52.93	0.14	3,921.46
	07/08/03	3,974.27	52.37	54.92	2.55	3,921.52
	07/29/03	3,974.27	52.25	54.83	2.58	3,921.63
	08/04/03	3,974.27	52.61	54.25	1.64	3,921.41
	08/18/03	3,974.27	52.47	53.81	1.34	3,921.60
	08/25/03	3,974.27	52.51	55.32	2.81	3,921.34
	10/01/03	3,974.27	52.72	53.19	0.47	3,921.48
	10/06/03	3,974.27	52.70	52.97	0.27	3,921.53
	10/08/03	3,974.27	52.72	54.74	2.02	3,921.25
	10/15/03	3,974.27	52.73	54.42	1.79	3,921.37
	11/12/03	3,974.27	52.75	55.30	2.55	3,921.14
	11/19/03	3,974.27	52.71	55.27	2.56	3,921.18
	12/01/03	3,974.27	53.19	53.32	0.13	3,921.06
	12/10/03	3,974.27	52.41	54.94	2.53	3,921.48
MW - 6	03/02/00	3,974.72	53.10	53.84	0.74	3,921.51
	04/25/00	3,974.72	53.14	53.91	0.77	3,921.46
	09/06/00	3,974.72	52.81	55.87	3.06	3,921.45
	11/28/00	3,974.72	52.91	55.62	2.71	3,921.40
	02/21/01	3,974.72	52.79	55.42	2.63	3,921.54
	05/31/01	3,974.72	52.95	54.83	1.88	3,921.49
	08/23/01	3,974.72	52.69	55.95	3.26	3,921.54
	11/21/01	3,974.72	53.42	55.42	2.31	3,921.26

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	02/13/02	3,974.72	52.74	56.04	3.30	3,921.49
	06/12/02	3,974.72	52.63	56.16	3.53	3,921.56
	08/26/02	3,974.72	52.67	56.24	3.57	3,921.51
	11/08/02	3,974.72	53.03	55.06	2.03	3,921.39
	11/21/02	3,974.72	53.10	54.57	1.47	3,921.40
	12/27/02	3,974.72	52.95	54.97	2.02	3,921.47
	01/06/03	3,974.72	52.90	55.38	2.48	3,921.45
	01/08/03	3,974.72	52.88	55.42	2.54	3,921.46
	01/10/03	3,974.72	52.86	55.86	3.00	3,921.41
	01/13/03	3,974.72	52.85	55.55	2.70	3,921.47
	02/05/03	3,974.72	52.80	55.81	3.01	3,921.47
	02/26/03	3,974.72	52.71	56.09	3.38	3,921.50
	03/04/03	3,974.72	52.72	56.09	3.37	3,921.49
	03/12/03	3,974.72	52.73	56.18	3.45	3,921.47
	03/18/03	3,974.72	52.71	56.25	3.54	3,921.48
	03/25/03	3,974.72	52.71	56.18	3.47	3,921.49
	03/31/03	3,974.72	52.69	56.21	3.52	3,921.50
	04/09/03	3,974.72	52.73	53.02	0.29	3,921.95
	04/14/03	3,974.72	52.61	53.00	0.39	3,922.05
	05/07/03	3,974.72	52.92	56.21	3.29	3,921.31
	05/08/03	3,974.72	52.75	56.04	3.29	3,921.48
	05/13/03	3,974.72	52.80	59.21	6.41	3,920.96
	05/21/03	3,974.72	52.73	56.11	3.38	3,921.48
	05/27/03	3,974.72	53.12	56.50	3.38	3,921.09
	05/28/03	3,974.72	53.20	56.65	3.45	3,921.00
	06/03/03	3,974.72	53.19	56.68	3.49	3,921.01
	06/10/03	3,974.72	52.73	56.25	3.52	3,921.46
	07/01/03	3,974.72	52.77	56.31	3.54	3,921.42
	07/08/03	3,974.72	52.77	56.40	3.63	3,921.41
	07/30/03	3,974.72	52.62	56.23	3.61	3,921.56
	08/04/03	3,974.72	52.40	56.45	3.61	3,921.34
	08/18/03	3,974.72	52.97	54.18	1.21	3,921.57
	08/25/03	3,974.72	53.40	57.02	3.62	3,920.78
	10/01/03	3,974.72	52.77	54.90	2.13	3,921.63
	10/06/03	3,974.72	52.72	56.26	3.54	3,921.47
	10/08/03	3,974.72	53.05	56.62	3.57	3,921.13
	10/15/03	3,974.72	53.47	57.10	3.63	3,920.71

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	11/12/03	3,974.72	53.11	55.91	2.80	3,921.19
	11/19/03	3,974.72	53.12	56.70	3.58	3,921.06
	12/01/03	3,974.72	53.08	56.70	3.62	3,921.10
	12/10/03	3,974.72	52.82	56.33	3.51	3,921.37
MW - 7	03/02/00	3,974.60	-	53.17	0.00	3,921.43
	04/25/00	3,974.60	-	53.23	0.00	3,921.37
	09/06/00	3,974.60	-	53.28	0.00	3,921.32
	11/28/00	3,974.60	-	53.28	0.00	3,921.32
	02/21/01	3,974.60	-	53.18	0.00	3,921.42
	05/31/01	3,974.60	-	53.15	0.00	3,921.45
	08/23/01	3,974.60	-	53.14	0.00	3,921.46
	11/21/01	3,974.60	-	53.19	0.00	3,921.41
	02/13/02	3,974.60	-	53.22	0.00	3,921.38
	06/12/02	3,974.60	-	53.18	0.00	3,921.42
	08/26/02	3,974.60	-	53.19	0.00	3,921.41
	11/21/02	3,974.60	-	53.23	0.00	3,921.37
	02/05/03	3,974.60	-	53.20	0.00	3,921.40
	05/07/03	3,974.60	-	53.18	0.00	3,921.42
	08/18/03	3,974.60	-	53.21	0.00	3,921.39
	12/01/03	3,974.60	-	53.24	0.00	3,921.36
MW - 8	03/02/00	3,974.48	-	52.89	0.00	3,921.59
	04/25/00	3,974.48	-	52.96	0.00	3,921.52
	09/06/00	3,974.48	-	53.00	0.00	3,921.48
	11/28/00	3,974.48	-	53.00	0.00	3,921.48
	02/21/01	3,974.48	-	52.90	0.00	3,921.58
	05/31/01	3,974.48	-	52.85	0.00	3,921.63
	08/23/01	3,974.48	-	52.87	0.00	3,921.61
	11/21/01	3,974.48	-	52.92	0.00	3,921.56
	02/13/02	3,974.48	-	52.96	0.00	3,921.52
	06/12/02	3,974.48	-	52.93	0.00	3,921.55
	08/26/02	3,974.48	-	52.92	0.00	3,921.56
	11/21/02	3,974.48	-	52.98	0.00	3,921.50
	02/05/03	3,974.48	-	52.90	0.00	3,921.58
	05/07/03	3,974.48	-	52.89	0.00	3,921.59
	08/18/03	3,974.48	-	52.96	0.00	3,921.52
	12/01/03	3,974.48	-	53.00	0.00	3,921.48

TABLE 1
GROUNDWATER ELEVATION DATA

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ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	03/02/00	3,975.06	53.07	54.26	1.19	3,921.81
	04/25/00	3,975.06	53.11	54.34	1.23	3,921.77
	09/06/00	3,975.06	53.04	55.02	2.21	3,921.92
	11/28/00	3,975.06	53.13	54.90	1.77	3,921.66
	02/02/01	3,975.06	53.14	54.19	1.05	3,921.76
	05/31/01	3,975.06	53.08	54.81	1.73	3,921.72
	08/23/01	3,975.06	52.88	55.30	2.42	3,921.82
	11/21/01	3,975.06	53.15	54.20	1.05	3,921.75
	02/13/02	3,975.06	52.86	55.73	2.87	3,921.77
	06/12/02	3,975.06	52.82	55.67	2.85	3,921.81
	08/26/02	3,975.06	52.83	55.70	2.87	3,921.80
	11/08/02	3,975.06	52.90	55.81	2.91	3,921.72
	11/21/02	3,975.06	52.90	55.77	2.87	3,921.73
	12/27/02	3,975.06	53.13	54.68	1.55	3,921.70
	01/06/03	3,975.06	53.07	54.97	1.90	3,921.71
	01/08/03	3,975.06	53.04	55.02	1.98	3,921.72
	01/10/03	3,975.06	53.03	55.09	2.06	3,921.72
	01/13/03	3,975.06	53.03	55.09	2.06	3,921.72
	02/05/03	3,975.06	52.96	55.30	2.34	3,921.75
	02/26/03	3,975.06	52.96	55.52	2.56	3,921.72
	03/04/03	3,975.06	52.96	55.56	2.60	3,921.71
	03/12/03	3,975.06	52.94	55.46	2.52	3,921.74
	03/18/03	3,975.06	53.02	57.71	4.69	3,921.34
	03/25/03	3,975.06	53.37	53.40	0.03	3,921.69
	03/31/03	3,975.06	53.36	53.39	0.03	3,921.70
	04/09/03	3,975.06	53.31	53.72	0.41	3,921.69
	04/14/03	3,975.06	53.28	53.40	0.12	3,921.76
	05/07/03	3,975.06	53.07	54.49	1.42	3,921.78
	05/08/03	3,975.06	53.04	54.59	1.55	3,921.79
	05/13/03	3,975.06	53.18	54.84	1.66	3,921.63
	05/21/03	3,975.06	53.08	54.97	1.89	3,921.70
	05/27/03	3,975.06	53.07	55.10	2.03	3,921.69
	05/28/03	3,975.06	53.11	55.35	2.24	3,921.61
	06/03/03	3,975.06	53.34	54.20	0.86	3,921.59
	06/10/03	3,975.06	53.40	53.46	0.06	3,921.65
	07/01/03	3,975.06	53.48	53.97	0.49	3,921.51
	07/08/03	3,975.06	53.38	53.94	0.56	3,921.60

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	07/29/03	3,975.06	53.12	54.49	1.37	3,921.73
	08/04/03	3,975.06	53.32	54.96	1.64	3,921.49
	08/18/03	3,975.06	53.31	54.09	0.78	3,921.63
	08/25/03	3,975.06	53.29	55.42	2.13	3,921.45
	10/01/03	3,975.06	53.18	53.41	0.23	3,921.85
	10/06/03	3,975.06	53.30	53.86	0.56	3,921.68
	10/08/03	3,975.06	53.60	54.33	0.73	3,921.35
	10/15/03	3,975.06	53.64	54.02	0.38	3,921.36
	11/12/03	3,975.06	53.61	54.98	1.37	3,921.24
	11/19/03	3,975.06	53.51	55.20	1.69	3,921.30
	12/01/03	3,975.06	53.54	55.31	1.78	3,921.26
	12/10/03	3,975.06	53.21	54.93	1.72	3,921.59
MW - 10	03/02/00	3,975.02	-	53.10	0.00	3,921.92
	04/25/00	3,975.02	-	53.18	0.00	3,921.84
	09/06/00	3,975.02	-	53.22	0.00	3,921.80
	11/28/00	3,975.02	-	53.23	0.00	3,921.79
	02/21/01	3,975.02	-	53.15	0.00	3,921.87
	05/31/01	3,975.02	-	53.08	0.00	3,921.94
	08/23/01	3,975.02	-	53.10	0.00	3,921.92
	11/21/01	3,975.02	-	53.13	0.00	3,921.89
	02/13/02	3,975.02	-	53.16	0.00	3,921.86
	06/12/02	3,975.02	-	53.14	0.00	3,921.88
	08/26/02	3,975.02	-	53.14	0.00	3,921.88
	11/21/02	3,975.02	-	53.20	0.00	3,921.82
	02/05/03	3,975.02	-	53.90	0.00	3,921.12
	05/07/03	3,975.02	-	53.14	0.00	3,921.88
	08/18/03	3,975.02	-	53.19	0.00	3,921.83
	12/01/03	3,975.02	-	53.23	0.00	3,921.79
MW - 11	03/02/00	3,975.30	-	53.84	0.00	3,921.46
	04/25/00	3,975.30	-	53.91	0.00	3,921.39
	09/06/00	3,975.30	-	53.95	0.00	3,921.35
	11/28/00	3,975.30	-	53.96	0.00	3,921.34
	02/21/01	3,975.30	-	53.79	0.00	3,921.51
	05/31/01	3,975.30	-	53.77	0.00	3,921.53
	08/23/01	3,975.30	-	53.83	0.00	3,921.47
	11/21/01	3,975.30	-	53.87	0.00	3,921.43

TABLE 1
GROUNDWATER ELEVATION DATA
LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 11	02/13/02	3,975.30	-	52.85	0.00	3,922.45
	06/12/02	3,975.30	-	53.87	0.00	3,921.43
	08/26/02	3,975.30	-	53.89	0.00	3,921.41
	11/21/02	3,975.30	-	53.93	0.00	3,921.37
	02/05/03	3,975.30	-	53.90	0.00	3,921.40
	05/07/03	3,975.30	-	53.86	0.00	3,921.44
	08/18/03	3,975.30	-	53.93	0.00	3,921.37
	12/01/03	3,975.30	-	53.96	0.00	3,921.34
MW - 12	03/02/00	3,974.55	-	52.80	0.00	3,921.75
	04/25/00	3,974.55	-	52.86	0.00	3,921.69
	09/06/00	3,974.55	-	52.90	0.00	3,921.65
	11/28/00	3,974.55	-	52.92	0.00	3,921.63
	02/21/01	3,974.55	-	52.75	0.00	3,921.80
	05/31/01	3,974.55	-	52.75	0.00	3,921.80
	08/31/01	3,974.55	-	52.78	0.00	3,921.77
	11/21/01	3,974.55	-	52.82	0.00	3,921.73
	02/13/02	3,974.55	-	52.85	0.00	3,921.70
	06/12/02	3,974.55	-	52.83	0.00	3,921.72
	08/26/02	3,974.55	-	52.83	0.00	3,921.72
	11/21/02	3,974.55	-	52.89	0.00	3,921.66
	02/05/03	3,974.55	-	52.88	0.00	3,921.67
	05/07/03	3,974.55	-	52.82	0.00	3,921.73
	08/18/03	3,974.55	-	52.89	0.00	3,921.66
	12/01/03	3,974.55	-	52.93	0.00	3,921.62
MW - 13	03/02/00	3,975.00	-	53.77	0.00	3,921.23
	04/25/00	3,975.00	-	53.85	0.00	3,921.15
	09/06/00	3,975.00	-	53.90	0.00	3,921.10
	11/28/00	3,975.00	-	53.91	0.00	3,921.09
	02/21/01	3,975.00	-	53.80	0.00	3,921.20
	05/31/01	3,975.00	-	53.72	0.00	3,921.28
	08/23/01	3,975.00	-	53.76	0.00	3,921.24
	11/21/01	3,975.00	-	53.83	0.00	3,921.17
	02/13/02	3,975.00	-	53.86	0.00	3,921.14
	06/12/02	3,975.00	-	53.81	0.00	3,921.19
	08/26/02	3,975.00	-	53.82	0.00	3,921.18
	11/21/02	3,975.00	-	53.89	0.00	3,921.11

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	02/05/03	3,975.00	-	53.85	0.00	3,921.15
	05/07/03	3,975.00	-	53.78	0.00	3,921.22
	08/18/03	3,975.00	-	53.88	0.00	3,921.12
	12/01/03	3,975.00	-	53.91	0.00	3,921.09
MW - 14	03/02/00	3,976.15	-	54.49	0.00	3,921.66
	04/25/00	3,976.15	-	54.55	0.00	3,921.60
	09/06/00	3,976.15	-	54.61	0.00	3,921.54
	11/28/00	3,976.15	-	54.61	0.00	3,921.54
	02/21/01	3,976.15	-	54.44	0.00	3,921.71
	05/31/01	3,976.15	-	54.45	0.00	3,921.70
	08/23/01	3,976.15	-	54.47	0.00	3,921.68
	11/21/01	3,976.15	-	54.50	0.00	3,921.65
	02/13/02	3,976.15	-	54.55	0.00	3,921.60
	06/12/02	3,976.15	-	54.52	0.00	3,921.63
	08/26/02	3,976.15	-	54.53	0.00	3,921.62
	11/21/02	3,976.15	-	54.57	0.00	3,921.58
	02/05/03	3,976.15	-	54.52	0.00	3,921.63
	05/07/03	3,976.15	-	54.51	0.00	3,921.64
	08/18/03	3,976.15	-	54.57	0.00	3,921.58
	12/01/03	3,976.15	-	54.61	0.00	3,921.54
MW - 15	03/02/00	3,974.69	-	53.31	0.00	3,921.38
	04/25/00	3,974.69	-	53.39	0.00	3,921.30
	09/06/00	3,974.69	-	53.45	0.00	3,921.24
	11/28/00	3,974.69	-	53.45	0.00	3,921.24
	02/21/01	3,974.69	-	53.35	0.00	3,921.34
	05/31/01	3,974.69	-	53.25	0.00	3,921.44
	08/23/01	3,974.69	-	53.32	0.00	3,921.37
	11/21/01	3,974.69	-	53.46	0.00	3,921.23
	02/13/02	3,974.69	-	53.39	0.00	3,921.30
	06/12/02	3,974.69	-	53.36	0.00	3,921.33
	08/26/02	3,974.69	-	53.45	0.00	3,921.24
	11/21/02	3,974.69	-	53.42	0.00	3,921.27
	02/05/03	3,974.69	-	53.40	0.00	3,921.29
	05/07/03	3,974.69	-	53.35	0.00	3,921.34
	08/18/03	3,974.69	-	53.41	0.00	3,921.28
	12/01/03	3,974.69	-	53.45	0.00	3,921.24

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	12/23/02	3,975.12	-	53.44	0.00	3,921.68
	01/10/03	3,975.12	-	53.45	0.00	3,921.67
	05/07/03	3,975.12	-	53.38	0.00	3,921.74
	08/18/03	3,975.12	-	53.44	0.00	3,921.68
	12/01/03	3,975.12	-	53.48	0.00	3,921.64
MW - 17	12/23/02	3,975.93	-	54.41	0.00	3,921.52
	01/10/03	3,975.93	-	54.35	0.00	3,921.58
	05/07/03	3,975.93	-	54.35	0.00	3,921.58
	08/18/03	3,975.93	-	54.36	0.00	3,921.57
	12/01/03	3,975.93	-	54.47	0.00	3,921.46
RW - 1	11/08/02	3970.79	48.44	51.55	3.11	3921.88
	11/21/02	3970.79	49.01	49.04	0.03	3921.78
	12/27/02	3970.79	48.48	51.37	2.89	3921.88
	01/06/03	3970.79	49.48	51.13	1.65	3921.06
	01/08/03	3970.79	48.46	51.20	2.74	3921.92
	01/10/03	3970.79	48.95	48.97	0.02	3921.84
	01/13/03	3970.79	48.65	50.36	1.71	3921.88
	02/05/03	3970.79	48.51	51.32	2.81	3921.86
	02/26/03	3970.79	48.41	51.34	2.93	3921.94
	03/04/03	3970.79	48.41	51.34	2.93	3921.94
	03/12/03	3970.79	48.44	51.41	2.97	3921.90
	03/18/03	3970.79	48.51	51.51	3.00	3921.83
	03/25/03	3970.79	48.85	49.04	0.19	3921.91
	03/31/03	3970.79	48.92	49.07	0.15	3921.85
	04/09/03	3970.79	48.97	49.00	0.03	3921.82
	04/14/03	3970.79	48.99	48.99	Sheen	3921.80
	05/07/03	3970.79	48.39	51.12	2.73	3921.99
	05/08/03	3970.79	48.46	51.21	2.75	3921.92
	05/13/03	3970.79	48.49	51.32	2.83	3921.88
	05/21/03	3970.79	48.57	51.36	2.79	3921.80
	05/27/03	3970.79	48.44	51.27	2.83	3921.93
	05/28/03	3970.79	48.54	51.45	2.91	3921.81
	06/03/03	3970.79	48.52	51.48	2.96	3921.83
	06/09/03	3970.79	48.46	51.40	2.94	3921.89
	07/01/03	3970.79	48.51	51.40	2.89	3921.85
	07/08/03	3970.79	48.53	49.37	0.84	3922.13
	07/29/03	3970.79	48.43	51.24	2.81	3921.94

TABLE 1
GROUNDWATER ELEVATION DATA

LINK ENERGY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	08/04/03	3970.79	48.71	51.60	2.89	3921.65
	08/18/03	3970.79	48.69	49.08	0.39	3922.04
	08/25/03	3970.79	48.69	51.65	2.96	3921.66
	10/01/03	3970.79	48.6	49.12	0.52	3922.11
	10/06/03	3970.79	48.97	49.04	0.07	3921.81
	10/08/03	3970.79	49.14	50.18	1.04	3921.49
	10/15/03	3970.79	49.15	49.75	0.60	3921.55
	11/12/03	3970.79	48.12	51.02	2.90	3922.24
	11/19/03	3970.79	58.42	51.34	2.42	3921.51
	12/01/03	3970.79	49.21	50.49	1.28	3921.39
	12/10/03	3970.79	48.68	50.92	2.24	3921.77

Elevations based on the North American Vertical Datum of 1929.

TABLE 2
CONCENTRATIONS OF BTEX IN GROUNDWATER

LINK ENERGY
TNM 97-04
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE
MW - 1	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/05/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	05/31/01	<0.001	<0.001	<0.001	<0.001	
	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001
	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
	02/21/01	0.005	<0.001	<0.001	0.013	0.026
	05/31/01	0.033	0.015	<0.001	0.100	
	08/23/01	0.009	0.002	<0.001	0.029	0.049
	11/21/01	0.007	0.002	<0.001	0.022	0.037
	02/13/02	0.004	<0.001	<0.001	0.017	0.027
	06/12/02	0.002	<0.001	<0.001	0.009	0.001
	08/26/02	0.001	<0.001	0.012	0.014	<0.001
	11/21/02	<0.001	<0.001	<0.001	0.003	<0.001
	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/18/03	<0.001	<0.001	<0.001	0.002	<0.001
	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 8	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2
CONCENTRATIONS OF BTEX IN GROUNDWATER

LINK ENERGY
TNM 97-04
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 8	05/31/01	<0.001	<0.001	<0.001	<0.001	
	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001
	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	05/31/01	<0.001	<0.001	<0.001	<0.001	
	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/18/03	0.005	0.002	<0.001	0.001	<0.001
	12/01/03	0.002	0.001	<0.001	<0.002	<0.001
MW - 11	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	05/31/01	0.015	<0.001	<0.001	<0.001	
	08/23/01	0.005	<0.001	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LINK ENERGY

TNM 97-04

LEA COUNTY, NEW MEXICO

ETGI PROJECT # LI 2016

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 11	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/18/03	0.006	<0.001	<0.001	0.006	<0.001
	12/01/03	0.039	<0.001	0.002	0.004	<0.001
MW - 12	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	05/31/01	<0.001	<0.001	<0.001	<0.001	
	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001
	12/01/03	0.002	0.001	<0.001	<0.002	<0.001
MW - 13	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	0.004	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	05/31/01	<0.001	<0.001	<0.001	<0.001	
	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	02/13/02	0.007	<0.001	<0.001	<0.001	<0.001
	06/12/02	0.115	<0.001	<0.001	0.013	<0.001
	08/26/02	0.046	<0.001	<0.001	0.024	<0.001
	11/21/02	0.010	<0.001	<0.001	0.045	<0.001
	02/06/03	<0.001	<0.001	<0.001	0.028	<0.001
	05/07/03	0.003	<0.001	<0.001	0.019	<0.001

TABLE 2
CONCENTRATIONS OF BTEX IN GROUNDWATER

LINK ENERGY
TNM 97-04
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 13	08/18/03	0.002	<0.001	<0.001	0.035	<0.001
	12/01/03	<0.001	<0.001	<0.001	0.018	<0.001
MW - 14	03/02/00	0.141	0.032	0.056	0.038	0.008
	04/25/00	0.368	0.045	0.106	0.061	0.017
	09/06/00	0.609	0.015	0.124	0.024	0.020
	11/28/00	0.691	0.022	0.107	0.038	0.034
	02/21/01	0.921	0.061	0.194	0.114	0.088
	05/31/01	1.030	0.223	0.172	0.339	
	08/23/01	1.780	0.865	0.315	0.491	0.235
	11/21/01	0.623	0.301	0.131	0.162	0.068
	02/13/02	0.572	0.414	0.142	0.213	0.093
	06/12/02	0.718	0.470	0.144	0.187	0.087
	08/26/02	0.606	0.355	0.147	0.188	0.089
	11/21/02	0.850	0.666	0.178	0.350	0.175
	02/06/03	1.100	0.651	0.256	0.450	0.243
	05/07/03	1.880	1.180	0.463	0.839	0.470
	08/18/03	0.833	0.242	0.235	0.366	0.213
	12/01/03	0.791	0.319	0.211	0.397	0.191
MW - 15	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	0.649	<0.001	<0.001	0.018	0.019
	09/06/00	0.010	<0.001	0.003	0.024	<0.001
	11/28/00	1.380	<0.010	<0.010	0.031	<0.010
	02/21/01	2.870	<0.010	0.011	0.058	<0.010
	05/31/01	3.830	<0.001	0.049	0.101	
	08/23/01	4.600	0.001	0.077	0.075	0.009
	11/21/01	4.000	0.012	0.117	0.084	0.039
	02/13/02	2.910	0.020	0.128	0.063	0.060
	06/12/02	5.430	0.004	0.216	0.032	0.057
	08/26/02	4.590	0.002	0.183	0.230	0.300
	11/21/02	8.130	0.002	0.384	0.009	<0.001
	02/06/03	2.070	<0.001	0.041	0.010	<0.001
	05/07/03	1.890	<0.001	0.006	<0.001	<0.001
	08/18/03	1.910	0.001	0.122	0.006	<0.001
	12/01/03	1.190	<0.001	0.057	0.006	<0.001

TABLE 2
CONCENTRATIONS OF BTEX IN GROUNDWATER

LINK ENERGY
TNM 97-04
LEA COUNTY, NEW MEXICO
ETGI PROJECT # LI 2016

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 16	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/18/03	0.008	0.003	<0.001	0.002	<0.001
	12/01/03	0.014	0.005	0.003	0.005	0.003
MW - 17	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001
	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001
EB - 1	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	05/31/01	<0.001	<0.001	<0.001	<0.001	
	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001

Note: m, p and o Xylenes combined when analyzed by Trace Laboratories, Inc. only.

EB denotes equipment blank collected during sampling event.

Table 3

CONCENTRATIONS OF METALS IN GROUNDWATER

LINK ENERGY
TNM 97-04
LEA COUNTY, NM
ETGI Project # LI 2016

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-6010B, 7470																								
		Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Tin	Vanadium	Zinc	Boron	Strontium
MW - 1	11/21/02		<0.05	0.149		<0.005		<0.01				<0.02			<0.0002				<0.05	<0.002						
	12/01/03	2.38	<0.01	0.125	<0.002	<0.002	93.8	0.0114	<0.01	<0.01	1.06	<0.01	13.8	0.0113	<0.0002	<0.005	<0.01	1.54	<0.01	<0.002	33.9	<0.02	0.0553	0.0087	0.152	0.828
MW - 7	11/21/02		<0.05	0.0815		<0.005		<0.01				<0.02			<0.0002				<0.05	<0.002						
	12/01/03	<0.2	<0.01	0.0733	<0.002	<0.002	91.3	0.0258	<0.01	<0.01	0.0856	<0.01	12	0.0053	<0.0002	<0.005	<0.01	1.57	<0.01	<0.002	29	<0.02	0.0583	0.0077	0.133	0.668
MW - 8	11/21/02		<0.05	0.0490		<0.005		<0.01				<0.02			<0.0002				<0.05	<0.002						
	12/01/03	0.258	<0.01	0.0739	<0.002	<0.002	86.8	<0.005	<0.01	<0.01	0.143	<0.01	12.3	<0.005	<0.0002	<0.005	<0.01	1.42	<0.01	<0.002	23.7	<0.02	0.0485	0.0188	0.128	0.699
MW - 10	11/21/02		<0.05	0.572		<0.005		0.0148				<0.02			<0.0002				<0.05	<0.002						
	12/01/03	6.47	<0.01	0.294	<0.002	<0.002	89.1	0.0177	<0.01	<0.01	3.52	<0.01	14.3	0.0394	<0.0002	0.0052	0.0125	1.87	<0.01	<0.002	32.2	<0.02	0.0487	0.0282	0.177	0.81
MW - 11	11/21/02		<0.05	0.218		<0.005		<0.01				<0.02			<0.0002				<0.05	<0.002						
	12/01/03	1.09	<0.01	0.122	<0.002	<0.002	80	<0.005	<0.01	<0.01	0.624	<0.01	12.1	0.0104	<0.0002	<0.005	<0.01	1.67	<0.01	<0.002	19.9	<0.02	0.0312	0.0135	0.12	0.619
MW - 12	11/21/02		<0.05	0.115		<0.005		0.0104				<0.02			<0.0002				<0.05	<0.002						
	12/01/03	2.36	<0.01	0.0903	<0.002	<0.002	79.2	0.0092	<0.01	<0.01	1.44	<0.01	13.2	0.0187	<0.0002	<0.005	0.0115	1.45	<0.01	<0.002	26.8	<0.02	0.042	0.0347	0.12	0.582
MW - 13	11/21/02		<0.05	0.156		<0.005		<0.01				<0.02			0.0012				<0.05	0.0359						
	12/01/03	2.96	<0.01	0.111	<0.002	<0.002	83.4	<0.005	<0.01	<0.01	1.48	<0.01	11.7	0.0387	0.00047	<0.005	<0.01	1.75	<0.01	<0.002	30.3	<0.02	0.0512	0.0071	0.194	0.625
MW - 14	11/21/02		<0.05	0.137		<0.005		<0.01				<0.02			<0.0002				<0.05	<0.002						
	12/01/03	0.57	0.0162	0.159	<0.002	<0.002	82.1	0.0099	<0.01	<0.01	1.11	<0.01	14.4	0.123	<0.0002	<0.005	<0.01	3.47	<0.01	<0.002	35	<0.02	0.0139	0.0177	0.13	0.604
MW - 15	11/21/02		<0.05	0.0972		<0.005		<0.01				<0.02			<0.0002				<0.05	<0.002						
	12/01/03	<0.2	0.0129	0.077	<0.002	<0.002	67	<0.005	<0.01	<0.01	0.216	<0.01	9.51	0.0578	<0.0002	<0.005	<0.01	1.41	<0.01	<0.002	22	<0.02	0.0214	0.0136	0.162	0.443
MW - 16	01/10/03	3.79	<0.05	0.19	<0.004	<0.005	81	<0.01	<0.02	<0.02	1.62	<0.02	19.6	0.0508	<0.0002	0.0287	<0.02	3.64	<0.05	<0.002	38.5	<0.05	<0.02	<0.01	0.181	0.687
	12/01/03	5.03	<0.01	0.204	<0.002	<0.002	87.3	0.0173	<0.01	<0.01	2.72	<0.01	14.2	0.0431	<0.0002	0.0162	0.0147	2.44	<0.01	<0.002	21.3	<0.02	0.0303	0.0198	0.0877	0.602
MW - 17	01/10/03	13.1	<0.05	0.712	<0.004	<0.005	76.7	0.0209	<0.02	<0.02	5.42	<0.02	19.1	0.125	<0.0002	<0.02	<0.02	3.69	<0.05	<0.002	51.4	<0.05	0.0221	0.0192	0.136	1.39
	12/01/03	13.3	<0.01	0.683	<0.002	<0.002	101	0.037	<0.01	0.0156	7.54	<0.01	19.5	0.106	<0.0002	0.0225	0.0233	3.15	<0.01	<0.002	44	<0.02	0.0482	0.0345	0.129	1.06
WQCC Standards		5.0	0.1	1.0	-	0.01	-	0.05	0.05	1.0	0.01	0.05	-	0.2	0.002	0.2	0.2	-	0.05	0.05	-	-	-	10	0.75	-

Note: - denotes no WQCC standard available.

TABLE 4

CONCENTRATIONS OF SEMI-VOLATILES IN GROUNDWATER

LINK ENERGY
TNM 97-04
LEA COUNTY, NEW MEXICO
ETGI Project # LI2016

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510															
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
MW - 1	11/21/02	0.06	0.07	0.122	0.089	0.103	0.091	0.101	0.101	0.061	0.102	0.126	0.09	0.086	<0.05	0.111	0.106
	12/01/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 7	11/21/02	0.054	<0.05	0.076	0.052	0.055	<0.05	<0.05	<0.05	<0.05	0.054	0.083	0.175	<0.05	2.68	0.127	0.072
	12/01/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 8	11/21/02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	12/01/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 10	11/21/02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	12/01/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 11	11/21/02	0.089	0.094	0.182	0.125	0.12	0.126	0.108	0.145	0.08	0.105	0.19	0.149	0.111	<0.05	0.168	0.156
	12/01/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 12	11/21/02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	12/01/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 13	11/21/02	0.075	0.054	0.065	<0.05	<0.05	<0.05	<0.05	0.054	<0.05	<0.05	0.068	0.373	<0.05	12.4	0.323	0.061
	12/01/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	1.5	0.066	<0.05
MW - 14	11/21/02	0.074	0.159	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.704	<0.05	14.1	0.641	<0.05
	12/01/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.432	<0.05	9.11	0.335	<0.05
MW - 15	11/21/02	0.179	<0.05	<0.05	0.089	<0.05	0.105	<0.05	0.15	0.081	<0.05	0.154	0.662	<0.05	21.3	0.564	0.145
	12/01/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.129	<0.05	1.95	0.074	<0.05
MW - 16	01/10/03	<0.05	<0.05	0.05	0.064	0.062	0.058	0.059	0.068	0.061	<0.05	0.096	0.069	<0.05	0.055	0.081	0.094
	12/01/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.129	<0.05	<0.05
MW - 17	01/10/03	0.07	0.079	2.48	3.25	3.52	2.74	3.13	3.34	3.2	2.37	3.05	0.648	2.43	0.078	1.77	3.41
	12/01/03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
WQCC Standard		-	-	-	-	0.0007	-	-	-	-	-	-	-	-	0.03	-	-

Note: - denotes no WQCC standard available.

TABLE 5**CONCENTRATIONS OF ANIONS/CATIONS IN GROUNDWATER**

**LINK ENERGY
TNM 97-04
LEA COUNTY, NEW MEXICO
ETGI Project # LI2016**

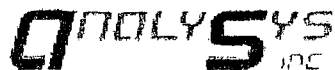
All water concentrations are reported in mg/L

SAMPLE DATE	SAMPLE LOCATION	SAMPLE TYPE	EPA SW375.4, 325.3, 310, 160.1				
			Sulfate	Chloride	Carbonate	Bicarbonate	TDS
01/10/03	MW - 16	WATER	145	61.6	<10	180	542
01/10/03	MW - 17	WATER	50.5	118	<10	230	555
WQCC Standard			600	250	-	-	1000

Note: - denotes no WQCC standard available.

APPENDICES

Appendix A
Laboratory Reports



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: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 138326 Report Date: 01/24/03
Project ID: TNM 97-04 EO 2016
Sample Name: MW 16
Sample Matrix: water
Date Received: 01/14/2003 Time: 15:00
Date Sampled: 01/10/2003 Time: 14:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	01/15/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	01/16/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	01/20/03	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	01/16/03	3005A	---	---	---	---	---
Total dissolved solids	542	mg/L	1	<1	01/15/03	160.1	---	4.65	-NA-	-NA-	-NA-
Aluminum/ICP	3.79	mg/L	0.2	<0.2	01/22/03	6010 & 200.7	---	0.55	101.87	103.35	98.48
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	01/21/03	6010 & 200.7	---	12.55	118.4	98.88	97.52
Barium/ICP	0.19	mg/L	0.01	<0.01	01/21/03	6010 & 200.7	---	6.35	103.16	98.94	116.28
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	01/21/03	6010 & 200.7	---	13.33	116.1	98.1	104.27
Boron/ICP	0.181	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	---	8.33	76.76	97.83	98.81
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	01/21/03	6010 & 200.7	---	0	92.26	101.92	84.19
Calcium/ICP*filtered	81	mg/L	10	<10	01/21/03	6010 & 200.7	---	2.5	95.83	98.54	93.22
Chromium/ICP	<0.01	mg/L	0.01	<0.01	01/21/03	6010 & 200.7	J	7.82	97.86	95.32	99.46
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	---	2.17	103.46	98.19	96.97
Copper/ICP	<0.02	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	J	0	96.01	97.04	101.35
Iron/ICP	1.62	mg/L	0.05	<0.05	01/21/03	6010 & 200.7	---	0.66	104.93	98.82	101.08
Lead/ICP	<0.02	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	---	0	108.45	101.48	107.16
Magnesium/ICP*filtered	19.6	mg/L	5	<5	01/21/03	6010 & 200.7	---	5.04	99.53	101.16	96.31
Manganese/ICP	0.0508	mg/L	0.01	<0.01	01/21/03	6010 & 200.7	---	0	99.07	97.82	117.57
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	01/16/03	245.1&7470	---	2.33	87	100	100
Molybdenum/ICP	0.0287	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	---	3.14	97.01	98.04	88.14

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

Respectfully Submitted,

Richard Laster

Richard Laster

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



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

Client: Environmental Tech Group
Attn: Ken Dutton

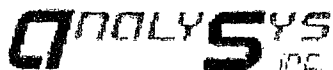
Project ID: TNM 97-04 EO 2016
Sample Name: MW 16

Report#/Lab ID#: 138326
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Nickel/ICP	<0.02	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	J	4.08	110	95.51	96.81
Potassium/AA*filtered	3.64	mg/L	0.25	<0.25	01/21/03	258.1&7610	---	10.97	110.28	102.01	105.99
Selenium/ICP	<0.05	mg/L	0.05	<0.05	01/21/03	6010 & 200.7	---	7.38	91.31	100.6	108.58
Silver/GFAA	<0.002	mg/L	0.002	<0.002	01/21/03	272.2&7761	---	3.28	113.76	87.5	116
Sodium/ICP*filtered	38.5	mg/L	25	<25	01/21/03	6010 & 200.7	---	4.29	99.35	99.2	100.09
Strontium/ICP	0.687	mg/L	0.05	<0.05	01/21/03	6010 & 200.7	---	0.76	103.44	98.58	103.87
Tin/ICP	<0.05	mg/L	0.05	<0.05	01/21/03	6010 & 200.7	---	9.6	111.38	95.6	99.14
Vanadium/ICP	<0.02	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	---	2.34	95.02	100.76	88.06
Zinc/ICP	<0.01	mg/L	0.01	<0.01	01/21/03	6010 & 200.7	J	3.24	108.18	97.24	100.62
Alkalinity, bicarbonate	180	mg/L	10	<10	01/15/03	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	01/15/03	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	61.6	mg/L	0.5	<0.5	01/15/03	325.2&9251	---	0.93	102.74	108.47	97.44
Sulfate	145	mg/L	10	<10	01/15/03	375.4&9038	---	0	100.7	101.15	102.67
Extractable organics-PAH	---	---	---	---	01/20/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	01/17/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	01/17/03	8260b	---	3.2	123.4	110.9	113.4
Ethylbenzene	<1	µg/L	1	<1	01/17/03	8260b	---	7.6	92.5	86.1	91.1
m,p-Xylenes	<1	µg/L	1	<1	01/17/03	8260b	---	6.8	93.2	84.8	90.2
o-Xylene	<1	µg/L	1	<1	01/17/03	8260b	---	7.5	97.4	86.4	93.5
Toluene	<1	µg/L	1	<1	01/17/03	8260b	---	3.4	98.3	88.1	90.9
Acenaphthene	<0.05	µg/L	0.05	<0.05	01/20/03	8270c	J	1.2	85.2	85.4	63.7
Acenaphthylene	<0.05	µg/L	0.05	<0.05	01/20/03	8270c	J	1.6	88.4	91.6	66.9
Anthracene	0.05	µg/L	0.05	<0.05	01/20/03	8270c	---	3.7	87.2	84.1	82.9
Benzo[a]anthracene	0.064	µg/L	0.05	<0.05	01/20/03	8270c	---	2.3	112.3	88	101.1
Benzo[a]pyrene	0.062	µg/L	0.05	<0.05	01/20/03	8270c	---	1.9	109.9	96.3	101.7
Benzo[b]fluoranthene	0.058	µg/L	0.05	<0.05	01/20/03	8270c	---	1.5	102.8	86.1	88.9
Benzo[g,h,i]perylene	0.059	µg/L	0.05	<0.05	01/20/03	8270c	---	1.9	103.6	90.1	96
Benzo[j,k]fluoranthene	0.068	µg/L	0.05	<0.05	01/20/03	8270c	---	5.6	87.5	82.5	83.9
Chrysene	0.061	µg/L	0.05	<0.05	01/20/03	8270c	---	0.8	111.6	89.6	111.3
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	01/20/03	8270c	J	2.8	88.6	80.3	82.3
Fluoranthene	0.096	µg/L	0.05	<0.05	01/20/03	8270c	---	3	101.1	101.6	101.6
Fluorene	0.069	µg/L	0.05	<0.05	01/20/03	8270c	---	0.5	100.4	86.5	74.3



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Client: Environmental Tech Group
Attn: Ken Dutton

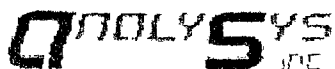
Project ID: TNM 97-04 EO 2016
Sample Name: MW 16

Report#/Lab ID#: 138326
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	01/20/03	8270c	J	1.6	85.6	81.3	79
Naphthalene	0.055	µg/L	0.05	<0.05	01/20/03	8270c	---	1.2	63.4	80.1	53.1
Phenanthrene	0.081	µg/L	0.05	<0.05	01/20/03	8270c	---	0.2	104.6	88.6	91.9
Pyrene	0.094	µg/L	0.05	<0.05	01/20/03	8270c	---	0.4	110	93.1	109



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Client: Environmental Tech Group	Project ID: TNM 97-04 EO 2016	Report#/Lab ID#: 138326
Attn: Ken Dutton	Sample Name: MW 16	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.6	80-120	---
Toluene-d8	8260b	102	88-110	---
2-Fluorobiphenyl	8270c	49.9	43-116	---
Nitrobenzene-d5	8270c	73.9	35-114	---
Terphenyl-d14	8270c	63.8	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 138326 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: TNM 97-04 EO 2016
Sample Name: MW 16

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

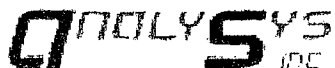
J flag Discussion

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
Chromium/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.
Zinc/ICP	J	See J-flag discussion above.
Acenaphthene	J	See J-flag discussion above.
Acenaphthylene	J	See J-flag discussion above.
Dibenz[a,h]anthracene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes:



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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#: 138327 Report Date: 01/24/03
Project ID: TNM 97-04 EO 2016
Sample Name: MW 17
Sample Matrix: water
Date Received: 01/14/2003 Time: 15:00
Date Sampled: 01/10/2003 Time: 14:43

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	01/15/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	01/16/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	01/20/03	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	01/16/03	3005A	---	---	---	---	---
Total dissolved solids	555	mg/L	1	<1	01/15/03	160.1	---	4.65	-NA-	-NA-	-NA-
Aluminum/ICP	13.1	mg/L	0.2	<0.2	01/22/03	6010 & 200.7	---	0.55	101.87	103.35	98.48
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	01/21/03	6010 & 200.7	J	12.55	118.4	98.88	97.52
Barium/ICP	0.712	mg/L	0.01	<0.01	01/21/03	6010 & 200.7	---	6.35	103.16	98.94	116.28
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	01/21/03	6010 & 200.7	---	13.33	116.1	98.1	104.27
Boron/ICP	0.136	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	---	8.33	76.76	97.83	98.81
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	01/21/03	6010 & 200.7	---	0	92.26	101.92	84.19
Calcium/ICP*filtered	76.7	mg/L	10	<10	01/21/03	6010 & 200.7	---	2.5	95.83	98.54	93.22
Chromium/ICP	0.0209	mg/L	0.01	<0.01	01/21/03	6010 & 200.7	---	7.82	97.86	95.32	99.46
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	---	2.17	103.46	98.19	96.97
Copper/ICP	<0.02	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	J	0	96.01	97.04	101.35
Iron/ICP	5.42	mg/L	0.05	<0.05	01/21/03	6010 & 200.7	---	0.66	104.93	98.82	101.08
Lead/ICP	<0.02	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	J	0	108.45	101.48	107.16
Magnesium/ICP*filtered	19.1	mg/L	5	<5	01/21/03	6010 & 200.7	---	5.04	99.53	101.16	96.31
Manganese/ICP	0.125	mg/L	0.01	<0.01	01/21/03	6010 & 200.7	---	0	99.07	97.82	117.57
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	01/16/03	245.1&7470	---	2.33	87	100	100
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	J	3.14	97.01	98.04	88.14

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

Respectfully Submitted,

Richard Laster

Richard Laster

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

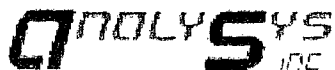
Client: Environmental Tech Group
 Attn: Ken Dutton

 Project ID: TNM 97-04 EO 2016
 Sample Name: MW 17

 Report#/Lab ID#: 138327
 Sample Matrix: water

REPORT OF ANALYSIS-cont.
QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Nickel/ICP	<0.02	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	J	4.08	110	95.51	96.81
Potassium/AA*filtered	3.69	mg/L	0.25	<0.25	01/21/03	258.1&7610	---	10.97	110.28	102.01	105.99
Selenium/ICP	<0.05	mg/L	0.05	<0.05	01/21/03	6010 & 200.7	---	7.38	91.31	100.6	108.58
Silver/GFAA	<0.002	mg/L	0.002	<0.002	01/21/03	272.2&7761	---	3.28	113.76	87.5	116
Sodium/ICP*filtered	51.4	mg/L	50	<50	01/21/03	6010 & 200.7	---	4.29	99.35	99.2	100.09
Strontium/ICP	1.39	mg/L	0.05	<0.05	01/21/03	6010 & 200.7	---	0.76	103.44	98.58	103.87
Tin/ICP	<0.05	mg/L	0.05	<0.05	01/21/03	6010 & 200.7	---	9.6	111.38	95.6	99.14
Vanadium/ICP	0.0221	mg/L	0.02	<0.02	01/21/03	6010 & 200.7	---	2.34	95.02	100.76	88.06
Zinc/ICP	0.0192	mg/L	0.01	<0.01	01/21/03	6010 & 200.7	---	3.24	108.18	97.24	100.62
Alkalinity, bicarbonate	230	mg/L	10	<10	01/15/03	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	01/15/03	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	118	mg/L	5	<5	01/15/03	325.2&9251	---	0.93	102.74	108.47	97.44
Sulfate	50.5	mg/L	10	<10	01/15/03	375.4&9038	---	0	100.7	101.15	102.67
Extractable organics-PAH	---	---	---	---	01/20/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	01/17/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	01/17/03	8260b	---	3.2	123.4	110.9	113.4
Ethylbenzene	<1	µg/L	1	<1	01/17/03	8260b	---	7.6	92.5	86.1	91.1
m,p-Xylenes	<1	µg/L	1	<1	01/17/03	8260b	---	6.8	93.2	84.8	90.2
o-Xylene	<1	µg/L	1	<1	01/17/03	8260b	---	7.5	97.4	86.4	93.5
Toluene	<1	µg/L	1	<1	01/17/03	8260b	---	3.4	98.3	88.1	90.9
Acenaphthene	0.07	µg/L	0.05	<0.05	01/20/03	8270c	---	1.2	85.2	85.4	63.7
Acenaphthylene	0.079	µg/L	0.05	<0.05	01/20/03	8270c	---	1.6	88.4	91.6	66.9
Anthracene	2.48	µg/L	0.05	<0.05	01/20/03	8270c	---	3.7	87.2	84.1	82.9
Benzo[a]anthracene	3.25	µg/L	0.05	<0.05	01/20/03	8270c	---	2.3	112.3	88	101.1
Benzo[a]pyrene	3.52	µg/L	0.05	<0.05	01/20/03	8270c	---	1.9	109.9	96.3	101.7
Benzo[b]fluoranthene	2.74	µg/L	0.05	<0.05	01/20/03	8270c	---	1.5	102.8	86.1	88.9
Benzo[g,h,i]perylene	3.13	µg/L	0.05	<0.05	01/20/03	8270c	---	1.9	103.6	90.1	96
Benzo[j,k]fluoranthene	3.34	µg/L	0.05	<0.05	01/20/03	8270c	---	5.6	87.5	82.5	83.9
Chrysene	3.2	µg/L	0.05	<0.05	01/20/03	8270c	---	0.8	111.6	89.6	111.3
Dibenz[a,h]anthracene	2.37	µg/L	0.05	<0.05	01/20/03	8270c	---	2.8	88.6	80.3	82.3
Fluoranthene	3.05	µg/L	0.05	<0.05	01/20/03	8270c	---	3	101.1	101.6	101.6
Fluorene	0.648	µg/L	0.05	<0.05	01/20/03	8270c	---	0.5	100.4	86.5	74.3



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Client: Environmental Tech Group
Attn: Ken Dutton

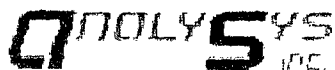
Project ID: TNM 97-04 EO 2016
Sample Name: MW 17

Report#/Lab ID#: 138327
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Indeno[1,2,3-cd]pyrene	2.43	µg/L	0.05	<0.05	01/20/03	8270c	---	1.6	85.6	81.3	79
Naphthalene	0.078	µg/L	0.05	<0.05	01/20/03	8270c	---	1.2	63.4	80.1	53.1
Phenanthrene	1.77	µg/L	0.05	<0.05	01/20/03	8270c	---	0.2	104.6	88.6	91.9
Pyrene	3.41	µg/L	0.05	<0.05	01/20/03	8270c	---	0.4	110	93.1	109



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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016
Sample Name: MW 17

Report#/Lab ID#: 138327
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	99.5	88-110	---
2-Fluorobiphenyl	8270c	71	43-116	---
Nitrobenzene-d5	8270c	100	35-114	---
Terphenyl-d14	8270c	91.5	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 138327 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016

Sample Name: MW 17

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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
Arsenic/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Molybdenum/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.

Notes:



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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#: 138328 Report Date: 01/24/03
Project ID: TNM 97-04 EO 2016
Sample Name: EB 1
Sample Matrix: water
Date Received: 01/14/2003 Time: 15:00
Date Sampled: 01/10/2003 Time: 15:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		01/15/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	01/15/03	8260b	---	10.4	93.4	82.9	89
Ethylbenzene	<1	µg/L	1	<1	01/15/03	8260b	---	11.6	97.6	99.1	99.5
m,p-Xylenes	<1	µg/L	1	<1	01/15/03	8260b	---	11.8	98.5	98.2	100.9
o-Xylene	<1	µg/L	1	<1	01/15/03	8260b	---	11.9	100.6	96.7	103.1
Toluene	<1	µg/L	1	<1	01/15/03	8260b	---	11	97.5	84.1	89.4

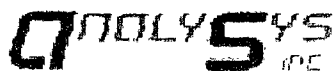
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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	Project ID: TNM 97-04 EO 2016	Report#/Lab ID#: 138328
Attn: Ken Dutton	Sample Name: EB 1	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.5	80-120	---
Toluene-d8	8260b	99.9	88-110	---

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

CTTUCYS INC.

Bill to (if diff. at): LOC: 006

Company Name _____

Address _____

City _____ State _____ Zip _____

ATTN: _____

Phone _____ Fax _____

4221 Friedrich Lane, Suite 100, Austin, TX 78741
(512) 441-5896

Analyses Requested (f)

Please attach explanatory information as required.

[illegible]

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 by ASI's normal reporting limits (MDL/POI). 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 1 methods and ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 3.3°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
M. C. [unclear]	T. C. I.	1/13/03	0800	Melanie Humphrey	ASI	1/14/03	15:00

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

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#: 139136 Report Date: 02/13/03
Project ID: EO 2016
Sample Name: WE97042603 MW-1
Sample Matrix: water
Date Received: 02/10/2003 Time: 08:00
Date Sampled: 02/06/2003 Time: 08:00

REPORT OF ANALYSIS
QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/11/03	8260b	---	2.1	83.3	86.8	97
Ethylbenzene	<1	µg/L	1	<1	02/11/03	8260b	---	4.2	103.8	101.8	103
m,p-Xylenes	<1	µg/L	1	<1	02/11/03	8260b	---	3.6	105.2	99.8	103.3
o-Xylene	<1	µg/L	1	<1	02/11/03	8260b	---	0.6	96.2	96.3	98.8
Toluene	<1	µg/L	1	<1	02/11/03	8260b	---	0.1	82.1	85.2	104.1

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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: Ken Dutton	Project ID: EO 2016 Sample Name: WE97042603 MW-1	Report#/Lab ID#: 139136 Sample Matrix: water
------------------------------------------------------	-----------------------------------------------------	-------------------------------------------------

REPORT OF SURROGATE RECOVERY

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

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



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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#: 139141 Report Date: 02/13/03
Project ID: EO 2016
Sample Name: WE97042603 MW-7
Sample Matrix: water
Date Received: 02/10/2003 Time: 08:00
Date Sampled: 02/06/2003 Time: 10:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/11/03	8260b	---	2.1	83.3	86.8	97
Ethylbenzene	<1	µg/L	1	<1	02/11/03	8260b	---	4.2	103.8	101.8	103
m,p-Xylenes	<1	µg/L	1	<1	02/11/03	8260b	---	3.6	105.2	99.8	103.3
o-Xylene	<1	µg/L	1	<1	02/11/03	8260b	---	0.6	96.2	96.3	98.8
Toluene	<1	µg/L	1	<1	02/11/03	8260b	---	0.1	82.1	85.2	104.1

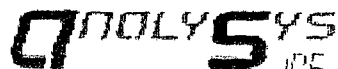
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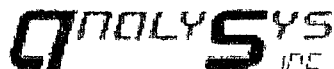
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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: EO 2016 Sample Name: WE97042603 MW-7	Report#/Lab ID#: 139141 Sample Matrix: water
--------------------------------------------------------------------	-------------------------------------------------------------------	---------------------------------------------------------------

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	82.4	80-120	---
Toluene-d8	8260b	109	88-110	---

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



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

Report#/Lab ID#: 139137 Report Date: 02/13/03
Project ID: EO 2016
Sample Name: WE97042603 MW-8
Sample Matrix: water
Date Received: 02/10/2003 Time: 08:00
Date Sampled: 02/06/2003 Time: 08:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/11/03	8260b	---	2.1	83.3	86.8	97
Ethylbenzene	<1	µg/L	1	<1	02/11/03	8260b	---	4.2	103.8	101.8	103
m,p-Xylenes	<1	µg/L	1	<1	02/11/03	8260b	---	3.6	105.2	99.8	103.3
o-Xylene	<1	µg/L	1	<1	02/11/03	8260b	---	0.6	96.2	96.3	98.8
Toluene	<1	µg/L	1	<1	02/11/03	8260b	---	0.1	82.1	85.2	104.1

QUALITY ASSURANCE DATA¹

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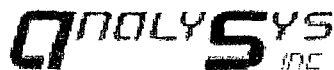
Project ID: EO 2016
Sample Name: WE97042603 MW-8

Report#/Lab ID#: 139137
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	109	88-110	---

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



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

Report#/Lab ID#: 139138 Report Date: 02/13/03
Project ID: EO 2016
Sample Name: WE97042603 MW-10
Sample Matrix: water
Date Received: 02/10/2003 Time: 08:00
Date Sampled: 02/06/2003 Time: 09:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/11/03	8260b	---	2.1	83.3	86.8	97
Ethylbenzene	<1	µg/L	1	<1	02/11/03	8260b	---	4.2	103.8	101.8	103
m,p-Xylenes	<1	µg/L	1	<1	02/11/03	8260b	---	3.6	105.2	99.8	103.3
o-Xylene	<1	µg/L	1	<1	02/11/03	8260b	---	0.6	96.2	96.3	98.8
Toluene	<1	µg/L	1	<1	02/11/03	8260b	---	0.1	82.1	85.2	104.1

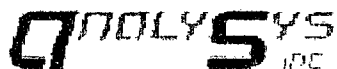
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Richard Laster

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



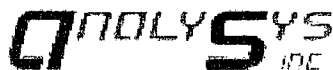
3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	Project ID: EO 2016	Report#/Lab ID#: 139138
Attn: Ken Dutton	Sample Name: WE97042603 MW-10	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.4	80-120	---
Toluene-d8	8260b	109	88-110	---

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



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

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

Report#/Lab ID#: 139139 **Report Date:** 02/13/03
Project ID: EO 2016
Sample Name: WE97042603 MW-11
Sample Matrix: water
Date Received: 02/10/2003 **Time:** 08:00
Date Sampled: 02/06/2003 **Time:** 09:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/11/03	8260b	---	2.1	83.3	86.8	97
Ethylbenzene	<1	µg/L	1	<1	02/11/03	8260b	---	4.2	103.8	101.8	103
m,p-Xylenes	<1	µg/L	1	<1	02/11/03	8260b	---	3.6	105.2	99.8	103.3
o-Xylene	<1	µg/L	1	<1	02/11/03	8260b	---	0.6	96.2	96.3	98.8
Toluene	<1	µg/L	1	<1	02/11/03	8260b	---	0.1	82.1	85.2	104.1

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

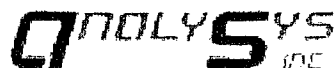
Project ID: EO 2016
Sample Name: WE97042603 MW-11

Report#/Lab ID#: 139139
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.4	80-120	---
Toluene-d8	8260b	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#: 139140 Report Date: 02/13/03
Project ID: EO 2016
Sample Name: WE97042603 MW-12
Sample Matrix: water
Date Received: 02/10/2003 Time: 08:00
Date Sampled: 02/06/2003 Time: 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/11/03	8260b	---	2.1	83.3	86.8	97
Ethylbenzene	<1	µg/L	1	<1	02/11/03	8260b	---	4.2	103.8	101.8	103
m,p-Xylenes	<1	µg/L	1	<1	02/11/03	8260b	---	3.6	105.2	99.8	103.3
o-Xylene	<1	µg/L	1	<1	02/11/03	8260b	---	0.6	96.2	96.3	98.8
Toluene	<1	µg/L	1	<1	02/11/03	8260b	---	0.1	82.1	85.2	104.1

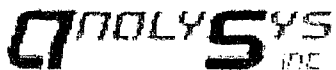
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Respectfully Submitted,

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Richard Laster

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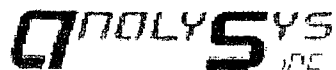
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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: EO 2016 Sample Name: WE97042603 MW-12	Report#/Lab ID#: 139140 Sample Matrix: water
------------------------------------------------------	------------------------------------------------------	-------------------------------------------------

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	80-120	---
Toluene-d8	8260b	99.8	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#: 139142 Report Date: 02/13/03
Project ID: EO 2016
Sample Name: WE97042603 MW-13
Sample Matrix: water
Date Received: 02/10/2003 Time: 08:00
Date Sampled: 02/06/2003 Time: 11:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/11/03	8260b	J	2.1	83.3	86.8	97
Ethylbenzene	<1	µg/L	1	<1	02/11/03	8260b	---	4.2	103.8	101.8	103
m,p-Xylenes	28.3	µg/L	1	<1	02/11/03	8260b	---	3.6	105.2	99.8	103.3
o-Xylene	<1	µg/L	1	<1	02/11/03	8260b	---	0.6	96.2	96.3	98.8
Toluene	<1	µg/L	1	<1	02/11/03	8260b	---	0.1	82.1	85.2	104.1

QUALITY ASSURANCE DATA¹

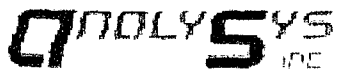
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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: EO 2016 Sample Name: WE97042603 MW-13	Report#/Lab ID#: 139142 Sample Matrix: water
------------------------------------------------------	------------------------------------------------------	-------------------------------------------------

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	83.8	80-120	---
Toluene-d8	8260b	103	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 139142 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: EO 2016

Sample Name: WE97042603 MW-13

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.

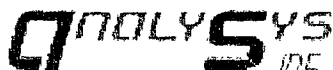
J flag Discussion

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
Benzene	J	See J-flag discussion above.

Notes:



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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#: 139143 Report Date: 02/13/03
Project ID: EO 2016
Sample Name: WE97042603 MW-14
Sample Matrix: water
Date Received: 02/10/2003 Time: 08:00
Date Sampled: 02/06/2003 Time: 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/12/03	8260b	---	---	---	---	---
Benzene	1100	µg/L	10	<10	02/12/03	8260b	---	11.7	95.5	90.5	81.8
Ethylbenzene	256	µg/L	10	<10	02/12/03	8260b	---	0.4	101.3	100.1	101.4
m,p-Xylenes	450	µg/L	10	<10	02/12/03	8260b	---	1	103.4	97.7	102.8
o-Xylene	243	µg/L	10	<10	02/12/03	8260b	---	3.4	101.9	95.2	102.6
Toluene	651	µg/L	10	<10	02/12/03	8260b	---	10.8	98.9	91.1	105.8

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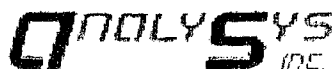
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: EO 2016 Sample Name: WE97042603 MW-14	Report#/Lab ID#: 139143 Sample Matrix: water
------------------------------------------------------	------------------------------------------------------	-------------------------------------------------

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	110	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#: 139144 Report Date: 02/13/03
Project ID: EO 2016
Sample Name: WE97042603 MW-15
Sample Matrix: water
Date Received: 02/10/2003 Time: 08:00
Date Sampled: 02/06/2003 Time: 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/12/03	8260b	---	---	---	---	---
Benzene	2070	µg/L	100	<100	02/12/03	8260b	---	11.7	95.5	90.5	81.8
Ethylbenzene	40.8	µg/L	1	<1	02/12/03	8260b	---	0.4	101.3	100.1	101.4
m,p-Xylenes	10	µg/L	1	<1	02/12/03	8260b	---	1	103.4	97.7	102.8
o-Xylene	<1	µg/L	1	<1	02/12/03	8260b	---	3.4	101.9	95.2	102.6
Toluene	<1	µg/L	1	<1	02/12/03	8260b	---	10.8	98.9	91.1	105.8

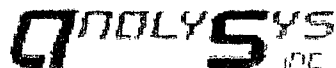
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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	Project ID: EO 2016	Report#/Lab ID#: 139144
Attn: Ken Dutton	Sample Name: WE97042603 MW-15	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.2	80-120	---
Toluene-d8	8260b	105	88-110	---

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

CHAIN-OF-CUSTODY

Send Reports to:

Company Name ETGI

Address 2540 W. Merland

City Hebbs State A.M. Zip 88290

ATTN: Ken Dutton

Phone (505) 397-4582 Fax (505) 397-4701

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

Project Name/PO#: EO 2016 Sampler: Justin Fair

WWW.ANALYSYSINC.COM C.O.C

Bill to (if different): _____

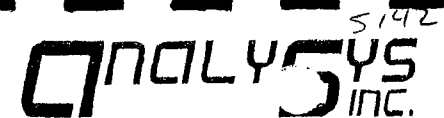
Company Name Coat

Address _____

City _____ State _____ Zip _____

ATTN: _____

Phone _____ Fax _____



3512 Montopolis Drive, Austin, TX 78744
Phone: (512) 385-5886 Fax: (512) 385-7411

2209 N.P.I.D., Ste K, Corpus Christi, TX 78408
Phone: (361) 289-6384 Fax: (361) 289 0875

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)	BTX 8821B										Comments
WE 9704 2603 MW-1	2-6-03	8:00	2		X		139136	X										
WE 9704 2603 MW-8	2-6-03	8:30	2		X		139137	X										
WE 9704 2603 MW-10	2-6-03	9:00	2		X		139138	X										
WE 9704 2603 MW-11	2-6-03	9:30	2		X		139139	X										
WE 9704 2603 MW-12	2-6-03	10:00	2		X		139140	X										
WE 9704 2603 MW-7	2-6-03	10:30	2		X		139141	X										
WE 9704 2603 MW-13	2-6-03	11:00	2		X		139142	X										
WE 9704 2603 MW-14	2-6-03	11:30	2		X		139143	X										
WE 9704 2603 MW-15	2-6-03	12:00	2		X		139144	X										

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

T=5.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Justin Fair	ETGI	2-6-03		Melanie Humphrey	ASI	2/10/03	0800

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

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

Report#/Lab ID#: 142408 **Report Date:** 05/14/03
Project ID: EO 2016
Sample Name: MW - 1
Sample Matrix: water
Date Received: 05/09/2003 **Time:** 12:00
Date Sampled: 05/07/2003 **Time:** 08:00

REPORT OF ANALYSIS
QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---	---	---	---	05/12/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/12/03	8260b	---	0.4	84.5	89.4	91.1
Ethylbenzene	<1	µg/L	1	<1	05/12/03	8260b	---	3.4	99.6	100.9	104.4
m,p-Xylenes	<1	µg/L	1	<1	05/12/03	8260b	---	3.8	103.6	100	114.6
o-Xylene	<1	µg/L	1	<1	05/12/03	8260b	---	3.2	105.2	101.5	112.8
Toluene	<1	µg/L	1	<1	05/12/03	8260b	---	0.2	96.1	97.8	106.1

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Richard Laster

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Client: Environmental Tech Group
Attn: Camille Reynolds**Project ID:** EO 2016
Sample Name: MW - 1**Report#/Lab ID#:** 142408
Sample Matrix: water**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.1	80-120	---
Toluene-d8	8260b	102	88-110	---

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

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

Report#/Lab ID#: 142409 **Report Date:** 05/14/03
Project ID: EO 2016
Sample Name: MW - 7
Sample Matrix: water
Date Received: 05/09/2003 **Time:** 12:00
Date Sampled: 05/07/2003 **Time:** 09:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---	---	---	---	05/12/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/12/03	8260b	---	0.4	84.5	89.4	91.1
Ethylbenzene	<1	µg/L	1	<1	05/12/03	8260b	---	3.4	99.6	100.9	104.4
m,p-Xylenes	<1	µg/L	1	<1	05/12/03	8260b	---	3.8	103.6	100	114.6
o-Xylene	<1	µg/L	1	<1	05/12/03	8260b	---	3.2	105.2	101.5	112.8
Toluene	<1	µg/L	1	<1	05/12/03	8260b	---	0.2	96.1	97.8	106.1

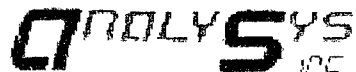
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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: EO 2016
Sample Name: MW - 7

Report#/Lab ID#: 142409
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97	80-120	---
Toluene-d8	8260b	107	88-110	---

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

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

Report#/Lab ID#: 142410 **Report Date:** 05/14/03
Project ID: EO 2016
Sample Name: MW - 8
Sample Matrix: water
Date Received: 05/09/2003 **Time:** 12:00
Date Sampled: 05/07/2003 **Time:** 09:30

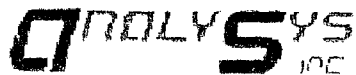
REPORT OF ANALYSIS
QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---	---	---	---	05/13/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/13/03	8260b	---	0.4	84.5	89.4	91.1
Ethylbenzene	<1	µg/L	1	<1	05/13/03	8260b	---	3.4	99.6	100.9	104.4
m,p-Xylenes	<1	µg/L	1	<1	05/13/03	8260b	---	3.8	103.6	100	114.6
o-Xylene	<1	µg/L	1	<1	05/13/03	8260b	---	3.2	105.2	101.5	112.8
Toluene	<1	µg/L	1	<1	05/13/03	8260b	---	0.2	96.1	97.8	106.1

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Richard Laster

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Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: EO 2016
Sample Name: MW - 8

Report#/Lab ID#: 142410
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

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

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

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

Report#/Lab ID#: 142411 **Report Date:** 05/14/03
Project ID: EO 2016
Sample Name: MW - 10
Sample Matrix: water
Date Received: 05/09/2003 **Time:** 12:00
Date Sampled: 05/07/2003 **Time:** 10:00

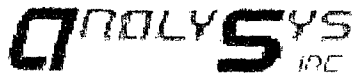
REPORT OF ANALYSIS
QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---	---	---	---	05/13/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/13/03	8260b	---	0.7	89.4	91.9	87.1
Ethylbenzene	<1	µg/L	1	<1	05/13/03	8260b	---	4.7	96.4	101.9	97.3
m,p-Xylenes	<1	µg/L	1	<1	05/13/03	8260b	---	3.1	99.5	102.5	100.3
o-Xylene	<1	µg/L	1	<1	05/13/03	8260b	---	8.1	102.4	100.3	104.9
Toluene	<1	µg/L	1	<1	05/13/03	8260b	---	0.5	96.6	104.3	104.2

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Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: EO 2016
Sample Name: MW - 10

Report#/Lab ID#: 142411
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.5	80-120	---
Toluene-d8	8260b	99.4	88-110	---

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

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

Report#/Lab ID#: 142412 **Report Date:** 05/14/03
Project ID: EO 2016
Sample Name: MW - 11
Sample Matrix: water
Date Received: 05/09/2003 **Time:** 12:00
Date Sampled: 05/07/2003 **Time:** 11:00

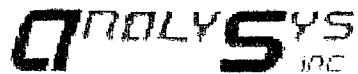
REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---	---	---	---	05/13/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/13/03	8260b	---	0.7	89.4	91.9	87.1
Ethylbenzene	<1	µg/L	1	<1	05/13/03	8260b	---	4.7	96.4	101.9	97.3
m,p-Xylenes	<1	µg/L	1	<1	05/13/03	8260b	---	3.1	99.5	102.5	100.3
o-Xylene	<1	µg/L	1	<1	05/13/03	8260b	---	8.1	102.4	100.3	104.9
Toluene	<1	µg/L	1	<1	05/13/03	8260b	---	0.5	96.6	104.3	104.2

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Client: Environmental Tech Group
Attn: Camille Reynolds

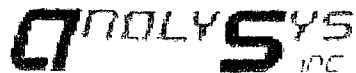
Project ID: EO 2016
Sample Name: MW - 11

Report#/Lab ID#: 142412
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.6	80-120	---
Toluene-d8	8260b	105	88-110	---

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



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

Report#/Lab ID#: 142413 **Report Date:** 05/14/03
Project ID: EO 2016
Sample Name: MW - 12
Sample Matrix: water
Date Received: 05/09/2003 **Time:** 12:00
Date Sampled: 05/07/2003 **Time:** 12:00

REPORT OF ANALYSIS

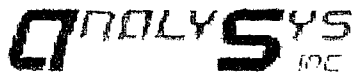
QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---	---	---	---	05/13/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/13/03	8260b	---	0.7	89.4	91.9	87.1
Ethylbenzene	<1	µg/L	1	<1	05/13/03	8260b	---	4.7	96.4	101.9	97.3
m,p-Xylenes	<1	µg/L	1	<1	05/13/03	8260b	---	3.1	99.5	102.5	100.3
o-Xylene	<1	µg/L	1	<1	05/13/03	8260b	---	8.1	102.4	100.3	104.9
Toluene	<1	µg/L	1	<1	05/13/03	8260b	---	0.5	96.6	104.3	104.2

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Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: EO 2016
Sample Name: MW - 12

Report#/Lab ID#: 142413
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.4	80-120	---
Toluene-d8	8260b	99.3	88-110	---

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

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

Report#/Lab ID#: 142414 **Report Date:** 05/14/03
Project ID: EO 2016
Sample Name: MW - 13
Sample Matrix: water
Date Received: 05/09/2003 **Time:** 12:00
Date Sampled: 05/07/2003 **Time:** 13:00

REPORT OF ANALYSIS
QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---	---	---	---	05/13/03	8260b	---	---	---	---	---
Benzene	2.5	µg/L	1	<1	05/13/03	8260b	---	0.7	89.4	91.9	87.1
Ethylbenzene	<1	µg/L	1	<1	05/13/03	8260b	---	4.7	96.4	101.9	97.3
m,p-Xylenes	19.1	µg/L	1	<1	05/13/03	8260b	---	3.1	99.5	102.5	100.3
o-Xylene	<1	µg/L	1	<1	05/13/03	8260b	---	8.1	102.4	100.3	104.9
Toluene	<1	µg/L	1	<1	05/13/03	8260b	---	0.5	96.6	104.3	104.2

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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: EO 2016
Sample Name: MW - 13

Report#/Lab ID#: 142414
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	102	88-110	---

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

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

Report#/Lab ID#: 142415 Report Date: 05/14/03
Project ID: EO 2016
Sample Name: MW - 14
Sample Matrix: water
Date Received: 05/09/2003 Time: 12:00
Date Sampled: 05/07/2003 Time: 13:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		05/13/03	8260b	---	---	---	---	---
Benzene	1880	µg/L	100	<100	05/13/03	8260b	---	0.7	89.4	91.9	87.1
Ethylbenzene	463	µg/L	100	<100	05/13/03	8260b	---	4.7	96.4	101.9	97.3
m,p-Xylenes	839	µg/L	100	<100	05/13/03	8260b	---	3.1	99.5	102.5	100.3
o-Xylene	470	µg/L	100	<100	05/13/03	8260b	---	8.1	102.4	100.3	104.9
Toluene	1180	µg/L	100	<100	05/13/03	8260b	---	0.5	96.6	104.3	104.2

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Richard Laster

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Client: Environmental Tech Group
Attn: Camille Reynolds**Project ID:** EO 2016
Sample Name: MW - 14**Report#/Lab ID#:** 142415
Sample Matrix: water**REPORT OF SURROGATE RECOVERY**

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

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

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

Report#/Lab ID#: 142416 **Report Date:** 05/14/03
Project ID: EO 2016
Sample Name: MW - 15
Sample Matrix: water
Date Received: 05/09/2003 **Time:** 12:00
Date Sampled: 05/07/2003 **Time:** 14:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		05/13/03	8260b	---	---	---	---	---
Benzene	1890	µg/L	100	<100	05/13/03	8260b	---	0.7	89.4	91.9	87.1
Ethylbenzene	6.29	µg/L	1	<1	05/13/03	8260b	---	4.7	96.4	101.9	97.3
m,p-Xylenes	<1	µg/L	1	<1	05/13/03	8260b	---	3.1	99.5	102.5	100.3
o-Xylene	<1	µg/L	1	<1	05/13/03	8260b	---	8.1	102.4	100.3	104.9
Toluene	<1	µg/L	1	<1	05/13/03	8260b	---	0.5	96.6	104.3	104.2

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

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Client: Environmental Tech Group
Attn: Camille ReynoldsProject ID: EO 2016
Sample Name: MW - 15Report#/Lab ID#: 142416
Sample Matrix: water**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.4	80-120	---
Toluene-d8	8260b	95.6	88-110	---

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

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

Report#/Lab ID#: 142417 **Report Date:** 05/14/03
Project ID: EO 2016
Sample Name: MW - 16
Sample Matrix: water
Date Received: 05/09/2003 **Time:** 12:00
Date Sampled: 05/07/2003 **Time:** 15:00

REPORT OF ANALYSIS
QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		05/13/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/13/03	8260b	---	0.7	89.4	91.9	87.1
Ethylbenzene	<1	µg/L	1	<1	05/13/03	8260b	---	4.7	96.4	101.9	97.3
m,p-Xylenes	<1	µg/L	1	<1	05/13/03	8260b	---	3.1	99.5	102.5	100.3
o-Xylene	<1	µg/L	1	<1	05/13/03	8260b	---	8.1	102.4	100.3	104.9
Toluene	<1	µg/L	1	<1	05/13/03	8260b	---	0.5	96.6	104.3	104.2

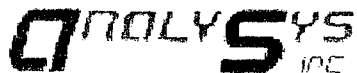
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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	Project ID: EO 2016	Report#/Lab ID#: 142417
Attn: Camille Reynolds	Sample Name: MW - 16	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.4	80-120	---
Toluene-d8	8260b	98.4	88-110	---

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

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

Report#/Lab ID#: 142418 **Report Date:** 05/14/03
Project ID: EO 2016
Sample Name: MW - 17
Sample Matrix: water
Date Received: 05/09/2003 **Time:** 12:00
Date Sampled: 05/07/2003 **Time:** 16:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		05/13/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/13/03	8260b	---	0.7	89.4	91.9	87.1
Ethylbenzene	<1	µg/L	1	<1	05/13/03	8260b	---	4.7	96.4	101.9	97.3
m,p-Xylenes	<1	µg/L	1	<1	05/13/03	8260b	---	3.1	99.5	102.5	100.3
o-Xylene	<1	µg/L	1	<1	05/13/03	8260b	---	8.1	102.4	100.3	104.9
Toluene	<1	µg/L	1	<1	05/13/03	8260b	---	0.5	96.6	104.3	104.2

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Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: EO 2016
Sample Name: MW - 17

Report#/Lab ID#: 142418
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95	80-120	---
Toluene-d8	8260b	106	88-110	---

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

Send Report To:

Company Name E.T.G.I.

Address 2540 W. MacLeland

City Hobbs State NM Zip 88240

ATTN: Ken Dutton

Phone 505-397-4882 Fax 505-397-4701

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

Project Name/PO#: ED 2016 Sampler: Justin Frisk

Bill to (if different):

Company Name EdH

Address _____

City _____ State _____ Zip _____

ATTN: _____

Phone _____ Fax _____

4221 Freidrich Lane, Suite 100, Austin, TX 78744
(512) 444-5896

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										Comments
MW-1	5-7-03	8:00	2		X		142408	X										
MW-7	5-7-03	9:00	2		X		142409	X										
MW-8	5-7-03	9:30	2		X		142410	X										
MW-10	5-7-03	10:00	2		X		142411	X										
MW-11	5-7-03	11:00	2		X		142412	X										
MW-12	5-7-03	12:00	2		X		142413	X										
MW-13	5-7-03	1:00	2		X		142414	X										
MW-14	5-7-03	1:30	2		X		142415	X										
MW-15	5-7-03	2:00	2		X		142416	X										
MW-16	5-7-03	3:00	2		X		142417	X										

Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reports (MDI/POL). 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 Pollution's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Justin Frisk	ETGI	5-7-03		Melanie Humphrey	ASI	5/9/03	12:00

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

Bill to (if different):

Company Name Estt

Address _____

City _____ State _____ Zip _____

ATTN: _____

Phone _____ Fax _____

4221 Friedrich Lane, Suite 100, Austin, TX 78748
(512) 444-5806

Analyses Requested (1)

Please attach explanatory information as required.

[illegible]

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 units (MDL/POL). 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 Follow-up's HSI list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Justin Friske	ETGI			Melanie Humphrey	ASI	5/9/03	12:00

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

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#: 146275 **Report Date:** 08/26/03
Project ID: EO2016 Townsend
Sample Name: MW-1
Sample Matrix: water
Date Received: 08/19/2003 **Time:** 11:45
Date Sampled: 08/18/2003 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/21/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/21/03	8260b	---	8.4	85.9	81.1	102
Ethylbenzene	<1	µg/L	1	<1	08/21/03	8260b	---	6.6	114.6	107.6	114.1
m,p-Xylenes	<1	µg/L	1	<1	08/21/03	8260b	---	6.8	112.3	101.8	111.7
o-Xylene	<1	µg/L	1	<1	08/21/03	8260b	---	7.3	116.4	106.2	114.1
Toluene	<1	µg/L	1	<1	08/21/03	8260b	---	4.4	105.3	102.5	121

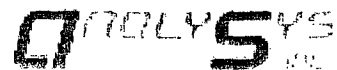
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Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

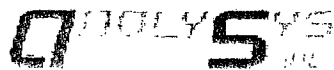
Project ID: EO2016 Townsend
Sample Name: MW-1

Report#/Lab ID#: 146275
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	119	80-120	---
Toluene-d8	8260b	109	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#: 146276 Report Date: 08/26/03
Project ID: EO2016 Townsend
Sample Name: MW-7
Sample Matrix: water
Date Received: 08/19/2003 Time: 11:45
Date Sampled: 08/18/2003 Time: 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/21/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/21/03	8260b	---	8.4	85.9	81.1	102
Ethylbenzene	<1	µg/L	1	<1	08/21/03	8260b	---	6.6	114.6	107.6	114.1
m,p-Xylenes	1.74	µg/L	1	<1	08/21/03	8260b	---	6.8	112.3	101.8	111.7
o-Xylene	<1	µg/L	1	<1	08/21/03	8260b	---	7.3	116.4	106.2	114.1
Toluene	<1	µg/L	1	<1	08/21/03	8260b	---	4.4	105.3	102.5	121

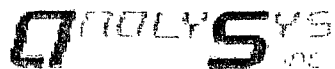
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Client: Environmental Tech Group
Attn: Ken Dutton

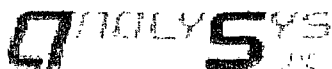
Project ID: EO2016 Townsend
Sample Name: MW-7

Report#/Lab ID#: 146276
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.8	80-120	---
Toluene-d8	8260b	109	88-110	---

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



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

Report#/Lab ID#: 146277 **Report Date:** 08/26/03
Project ID: EO2016 Townsend
Sample Name: MW-8
Sample Matrix: water
Date Received: 08/19/2003 **Time:** 11:45
Date Sampled: 08/18/2003 **Time:** 12:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/22/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/22/03	8260b	---	8.4	85.9	81.1	102
Ethylbenzene	<1	µg/L	1	<1	08/22/03	8260b	---	6.6	114.6	107.6	114.1
m,p-Xylenes	<1	µg/L	1	<1	08/22/03	8260b	---	6.8	112.3	101.8	111.7
o-Xylene	<1	µg/L	1	<1	08/22/03	8260b	---	7.3	116.4	106.2	114.1
Toluene	<1	µg/L	1	<1	08/22/03	8260b	---	4.4	105.3	102.5	121

QUALITY ASSURANCE DATA¹

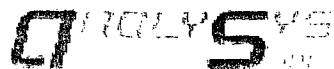
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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton

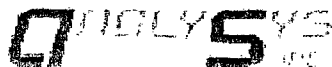
Project ID: EO2016 Townsend
Sample Name: MW-8

Report#/Lab ID#: 146277
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

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

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



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

Report#/Lab ID#: 146278 **Report Date:** 08/26/03
Project ID: EO2016 Townsend
Sample Name: MW-10
Sample Matrix: water
Date Received: 08/19/2003 **Time:** 11:45
Date Sampled: 08/18/2003 **Time:** 12:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/22/03	8260b	---	---	---	---	---
Benzene	5.49	µg/L	1	<1	08/22/03	8260b	---	8.4	85.9	81.1	102
Ethylbenzene	<1	µg/L	1	<1	08/22/03	8260b	J	6.6	114.6	107.6	114.1
m,p-Xylenes	1.06	µg/L	1	<1	08/22/03	8260b	---	6.8	112.3	101.8	111.7
o-Xylene	<1	µg/L	1	<1	08/22/03	8260b	J	7.3	116.4	106.2	114.1
Toluene	2.18	µg/L	1	<1	08/22/03	8260b	---	4.4	105.3	102.5	121

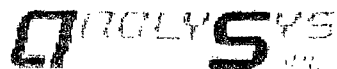
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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: EO2016 Townsend
Sample Name: MW-10

Report#/Lab ID#: 146278
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	118	80-120	---
Toluene-d8	8260b	110	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 146278 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: EO2016 Townsend
Sample Name: MW-10

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

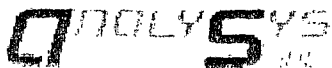
J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.

Notes:



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Report#/Lab ID#: 146279 Report Date: 08/26/03
Project ID: EO2016 Townsend
Sample Name: MW-11
Sample Matrix: water
Date Received: 08/19/2003 Time: 11:45
Date Sampled: 08/18/2003 Time: 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/22/03	8260b	---	---	---	---	---
Benzene	5.61	µg/L	1	<1	08/22/03	8260b	---	8.4	85.9	81.1	102
Ethylbenzene	<1	µg/L	1	<1	08/22/03	8260b	---	6.6	114.6	107.6	114.1
m,p-Xylenes	5.78	µg/L	1	<1	08/22/03	8260b	---	6.8	112.3	101.8	111.7
o-Xylene	<1	µg/L	1	<1	08/22/03	8260b	---	7.3	116.4	106.2	114.1
Toluene	<1	µg/L	1	<1	08/22/03	8260b	---	4.4	105.3	102.5	121

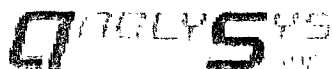
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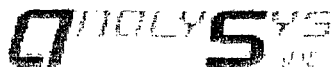
Project ID: EO2016 Townsend
Sample Name: MW-11

Report#/Lab ID#: 146279
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	110	88-110	---

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



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

Report#/Lab ID#: 146280 **Report Date:** 08/26/03
Project ID: EO2016 Townsend
Sample Name: MW-12
Sample Matrix: water
Date Received: 08/19/2003 **Time:** 11:45
Date Sampled: 08/18/2003 **Time:** 13:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/22/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/22/03	8260b	---	8.4	85.9	81.1	102
Ethylbenzene	<1	µg/L	1	<1	08/22/03	8260b	---	6.6	114.6	107.6	114.1
m,p-Xylenes	<1	µg/L	1	<1	08/22/03	8260b	---	6.8	112.3	101.8	111.7
o-Xylene	<1	µg/L	1	<1	08/22/03	8260b	---	7.3	116.4	106.2	114.1
Toluene	<1	µg/L	1	<1	08/22/03	8260b	---	4.4	105.3	102.5	121

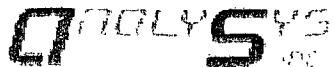
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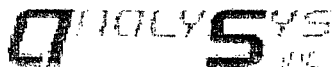
Project ID: EO2016 Townsend
Sample Name: MW-12

Report#/Lab ID#: 146280
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

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

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



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

Report#/Lab ID#: 146281 **Report Date:** 08/26/03
Project ID: EO2016 Townsend
Sample Name: MW-13
Sample Matrix: water
Date Received: 08/19/2003 **Time:** 11:45
Date Sampled: 08/18/2003 **Time:** 14:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/22/03	8260b	---	---	---	---	---
Benzene	2.06	µg/L	1	<1	08/22/03	8260b	---	8.4	85.9	81.1	102
Ethylbenzene	<1	µg/L	1	<1	08/22/03	8260b	---	6.6	114.6	107.6	114.1
m,p-Xylenes	34.6	µg/L	1	<1	08/22/03	8260b	---	6.8	112.3	101.8	111.7
o-Xylene	<1	µg/L	1	<1	08/22/03	8260b	---	7.3	116.4	106.2	114.1
Toluene	<1	µg/L	1	<1	08/22/03	8260b	---	4.4	105.3	102.5	121

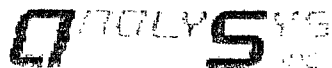
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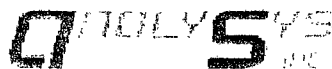
Project ID: EO2016 Townsend
Sample Name: MW-13

Report#/Lab ID#: 146281
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	113	80-120	---
Toluene-d8	8260b	109	88-110	---

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



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

Report#/Lab ID#: 146282 **Report Date:** 08/26/03
Project ID: EO2016 Townsend
Sample Name: MW-14
Sample Matrix: water
Date Received: 08/19/2003 **Time:** 11:45
Date Sampled: 08/18/2003 **Time:** 14:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/22/03	8260b	---	---	---	---	---
Benzene	8.33	µg/L	10	<10	08/22/03	8260b	---	8.4	85.9	81.1	102
Ethylbenzene	2.35	µg/L	10	<10	08/22/03	8260b	---	6.6	114.6	107.6	114.1
m,p-Xylenes	3.66	µg/L	10	<10	08/22/03	8260b	---	6.8	112.3	101.8	111.7
o-Xylene	2.13	µg/L	10	<10	08/22/03	8260b	---	7.3	116.4	106.2	114.1
Toluene	2.42	µg/L	10	<10	08/22/03	8260b	---	4.4	105.3	102.5	121

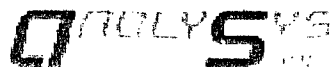
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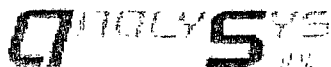
Project ID: EO2016 Townsend
Sample Name: MW-14

Report#/Lab ID#: 146282
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

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

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



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Report#/Lab ID#: 146283 **Report Date:** 08/26/03
Project ID: EO2016 Townsend
Sample Name: MW-15
Sample Matrix: water
Date Received: 08/19/2003 **Time:** 11:45
Date Sampled: 08/18/2003 **Time:** 15:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/23/03	8260b	---	---	---	---	---
Benzene	1910	µg/L	100	<100	08/25/03	8260b	---	2.3	93.2	89.6	88.6
Ethylbenzene	122	µg/L	1	<1	08/23/03	8260b	---	5.8	113.5	112.7	113.1
m,p-Xylenes	6.42	µg/L	1	<1	08/23/03	8260b	---	5.4	111.3	111.4	111.4
o-Xylene	<1	µg/L	1	<1	08/23/03	8260b	---	5.5	115.1	118.5	115.2
Toluene	1.03	µg/L	1	<1	08/23/03	8260b	---	9.9	112.7	91.6	100.6

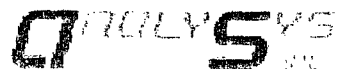
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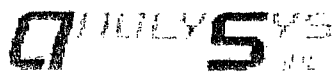
Project ID: EO2016 Townsend
Sample Name: MW-15

Report#/Lab ID#: 146283
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	106	88-110	---

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



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Report#/Lab ID#: 146284 **Report Date:** 08/26/03
Project ID: EO2016 Townsend
Sample Name: MW-16
Sample Matrix: water
Date Received: 08/19/2003 **Time:** 11:45
Date Sampled: 08/18/2003 **Time:** 15:30

REPORT OF ANALYSIS

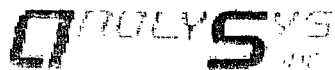
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/22/03	8260b	---	---	---	---	---
Benzene	7.74	µg/L	1	<1	08/22/03	8260b	---	2.3	93.2	89.6	88.6
Ethylbenzene	<1	µg/L	1	<1	08/22/03	8260b	J	5.8	113.5	112.7	113.1
m,p-Xylenes	1.86	µg/L	1	<1	08/22/03	8260b	---	5.4	111.3	111.4	111.4
o-Xylene	<1	µg/L	1	<1	08/22/03	8260b	J	5.5	115.1	118.5	115.2
Toluene	3.36	µg/L	1	<1	08/22/03	8260b	---	9.9	112.7	91.6	100.6

QUALITY ASSURANCE DATA¹

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

Respectfully Submitted,
Richard Laster
Richard Laster

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



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: Ken Dutton

Project ID: EO2016 Townsend
Sample Name: MW-16

Report#/Lab ID#: 146284
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.6	80-120	---
Toluene-d8	8260b	108	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 146284 **Matrix:** water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: EO2016 Townsend

Sample Name: MW-16

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

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

Sample Bottles & Preservation

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

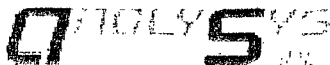
J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.

Notes:



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

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

Report#/Lab ID#: 146285 **Report Date:** 08/26/03
Project ID: EO2016 Townsend
Sample Name: MW-17
Sample Matrix: water
Date Received: 08/19/2003 **Time:** 11:45
Date Sampled: 08/18/2003 **Time:** 16:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/22/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/22/03	8260b	---	2.3	93.2	89.6	88.6
Ethylbenzene	<1	µg/L	1	<1	08/22/03	8260b	---	5.8	113.5	112.7	113.1
m,p-Xylenes	<1	µg/L	1	<1	08/22/03	8260b	---	5.4	111.3	111.4	111.4
o-Xylene	<1	µg/L	1	<1	08/22/03	8260b	---	5.5	115.1	118.5	115.2
Toluene	<1	µg/L	1	<1	08/22/03	8260b	J	9.9	112.7	91.6	100.6

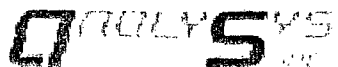
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All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

Respectfully Submitted,

Richard Laster

Richard Laster

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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: Ken Dutton

Project ID: EO2016 Townsend
Sample Name: MW-17

Report#/Lab ID#: 146285
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.4	80-120	---
Toluene-d8	8260b	104	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 146285 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: EO2016 Townsend

Sample Name: MW-17

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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

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
Toluene	J	See J-flag discussion above.

Notes:

CHAIN-OF-CUSTODY

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Bill to (if different):

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Company Name Cott

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City Houston State TX Zip 77040

City _____ State _____ Zip _____

ATTN: Ker Dutton

ATTN: _____

Phone (281) 397-4582 Fax (281) 397-4701

Phone _____ Fax _____

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

Project Name/PO#: EO 2016 Tonsand Sampler: Justin Frisk

3512 Montopolis Drive, Austin, TX 78741
Phone: (512) 385-5886 Fax: (512) 385-71
2209 N.P.L.D., Ste K, Corpus Christi, TX 78401
Phone: (361) 289-6384 Fax: (361) 289-08

Analyses Requested (1)

Please attach explanatory information as requested

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	OTEX 2021 b										Comments
MW-1	8-18-07	11:00	2		X		146275	X										
MW-7	8-18-07	11:30	2		X		146276	X										
MW-8	8-18-07	12:00	2		X		146277	X										
MW-10	8-18-07	12:30	2		X		146278	X										
MW-11	8-18-07	1:00	2		X		146279	X										
MW-12	8-18-07	1:30	2		X		146280	X										
MW-13	8-18-07	2:00	2		X		146281	X										
MW-14	8-18-07	2:30	2		X		146282	X										
MW-15	8-18-07	3:00	2		X		146283	X										
MW-16	8-18-07	3:30	2		X		146284	X										

Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal report 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 (PP) list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T = 4.6°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
<u>[Signature]</u>	<u>ETGE</u>	<u>8-18-07</u>		<u>Melanie Humphrey</u>	<u>ASI</u>	<u>8/19/07</u>	<u>11:45</u>

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

Send Reports To:

Address 3050 W. 12th Street

City Albany State N.Y. Zip 12240

31111. Ken Dutton

Phone (505) 397-4552 Fax (505) 397-4701

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

Project Name/PO#: 202016 Toonsend Sampler: Justin Frisk

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Bill to (if different):

Company Name Eiff

Address

City _____ State _____ Zip _____

ATTN:

Phone _____ Fax _____

Qndal YS^{YS}
inc

3512 Montopolis Drive, Austin, TX 78741
Phone: (512) 385-5886 Fax: (512) 385-74

2209 N.P.L.D., Ste K, Corpus Christi, TX 78401
Phone: (361) 289-6384 Fax: (361) 289-0888

Analyses Requested (1)

Please attach explanatory information as required.

[illegible]

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

$$T = 4.6^\circ \text{C}$$

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
<i>[Signature]</i>	ETGI	8-18-03		<i>Melanie Humphrey</i>	ASI	8/19/03	11:45

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

FILE

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

Client: Environmental Tech Group
Attn: Jerry Brian
Address: 2540 W. Marland
Hobbs NM 88240
Phone: (505) 397-4882 **FAX:** (505) 397-4701

Report#/Lab ID#: 150246 **Report Date:** 12/29/03
Project ID: EO2016 97-04
Sample Name: MW-1
Sample Matrix: water
Date Received: 12/02/2003 **Time:** 13:45
Date Sampled: 12/01/2003 **Time:** 11:00


REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	12/08/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	12/03/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	12/03/03	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	12/04/03	3005a	---	---	---	---	---
Aluminum/ICP	2.38	mg/L	0.2	<0.2	12/09/03	6010 & 200.7	---	1.07	88.71	96.59	85.52
Arsenic/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.84	96.93	97.32	85.52
Barium/ICP	0.125	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.96	85.82	100.92	84.74
Beryllium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	2.91	94.59	97.2	87.04
Boron/ICP	0.152	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	0.67	97.99	99.52	83.15
Cadmium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	1.39	97.29	98.6	88
Calcium/ICP*filtered	93.8	mg/L	10	<10	12/09/03	6010 & 200.7	---	0.28	99.61	97.78	115.79
Chromium/ICP	0.0114	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	0.6	92.05	98.52	102.56
Cobalt/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.33	91.39	99.5	88.1
Copper/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.18	96.86	101.54	87.17
Iron/ICP	1.06	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	3.22	96.93	97.26	91.12
Lead/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.01	92.02	98.78	86.43
Magnesium/ICP*filtered	13.8	mg/L	5	<5	12/09/03	6010 & 200.7	---	0.27	97.41	97.92	124.41
Manganese/ICP	0.0113	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.06	90.68	101.36	84.74
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	12/03/03	245.2&7470	---	1.04	96	105	105
Molybdenum/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.64	101.66	99.64	92.1
Nickel/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.88	91.3	98.7	86.06

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

Respectfully Submitted,


Richard Elton

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07/05/03

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

Client: Environmental Tech Group
Attn: Jerry Brian

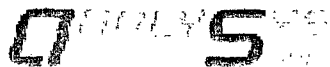
Project ID: EO2016 97-04
Sample Name: MW-1

Report#/Lab ID#: 150246
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Potassium/AA*filtered	1.54	mg/L	0.05	<0.05	12/09/03	258.1&7610	---	1.22	81.03	91.15	100.34
Selenium/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	2.52	94.9	98.82	84.69
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/05/03	272.2&7761	---	6.7	99.08	95	102
Sodium/ICP*filtered	33.9	mg/L	0.4	<0.4	12/11/03	6010 & 200.7	---	1.51	90.34	98.65	99.6
Strontium/ICP	0.828	mg/L	0.04	<0.04	12/09/03	6010 & 200.7	---	1.31	92.5	99	86.6
Tin/ICP	<0.02	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	1.04	94.74	98.79	86.96
Vanadium/ICP	0.0553	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	3.58	89.37	98.06	92.88
Zinc/ICP	0.0087	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	3.63	90.32	100.76	86.3
Extractable organics-PAH	---	---	---	---	12/18/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/08/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/08/03	8260b	---	0.4	105.3	95.9	105.9
Ethylbenzene	<1	µg/L	1	<1	12/08/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	<2	µg/L	2	<2	12/08/03	8260b	---	1.4	97.8	106.4	101.8
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b	---	0.9	102.1	109	116.7
Toluene	<1	µg/L	1	<1	12/08/03	8260b	---	0.2	111.9	108.8	109.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.1	33.4	97.5	42.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.4	32.2	97.1	41.8
Anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	8.5	30.4	95	44.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.7	40.9	94.2	52.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.7	32.1	95.2	51.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.5	44.5	95.2	54.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.9	44.1	94.6	54.6
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.8	46.5	95.9	58.1
Chrysene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0.4	44.5	93.3	56.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.2	46.3	98.1	57.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.9	46.9	97.5	51.4
Fluorene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.1	37.1	98	43.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.5	45.8	97.5	56.2
Naphthalene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0	28	96.2	38.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0	41.5	95.5	43.6
Pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.8	43.8	92.1	48



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: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-1

Report#/Lab ID#: 150246
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.5	80-120	---
Toluene-d8	8260b	101	88-110	---
2-Fluorobiphenyl	8270c	46	43-116	---
Nitrobenzene-d5	8270c	51.6	35-114	---
Terphenyl-d14	8270c	55.1	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 150246 Matrix: water
Client: Environmental Tech Group Attn: Jerry Brian
Project ID: EO2016 97-04
Sample Name: MW-1

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

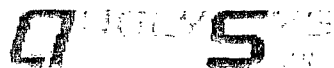
J flag Discussion

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
Selenium/ICP	J	See J-flag discussion above.

Notes:



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Client: Environmental Tech Group
Attn: Jerry Brian
Address: 2540 W. Marland
Hobbs NM 88240
Phone: (505) 397-4882 FAX: (505) 397-4701

Report#/Lab ID#: 150247 Report Date: 12/29/03
Project ID: EO2016 97-04
Sample Name: MW-7
Sample Matrix: water
Date Received: 12/02/2003 Time: 13:45
Date Sampled: 12/01/2003 Time: 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

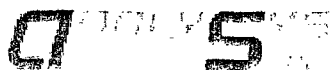
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	12/08/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	12/03/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	12/03/03	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	12/04/03	3005a	---	---	---	---	---
Aluminum/ICP	<0.2	mg/L	0.2	<0.2	12/09/03	6010 & 200.7	J	1.07	88.71	96.59	85.52
Arsenic/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.84	96.93	97.32	85.52
Barium/ICP	0.0733	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.96	85.82	100.92	84.74
Beryllium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	2.91	94.59	97.2	87.04
Boron/ICP	0.133	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	0.67	97.99	99.52	83.15
Cadmium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	1.39	97.29	98.6	88
Calcium/ICP*filtered	91.3	mg/L	10	<10	12/09/03	6010 & 200.7	---	0.28	99.61	97.78	115.79
Chromium/ICP	0.0258	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	0.6	92.05	98.52	102.56
Cobalt/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.33	91.39	99.5	88.1
Copper/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.18	96.86	101.54	87.17
Iron/ICP	0.0856	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	3.22	96.93	97.26	91.12
Lead/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.01	92.02	98.78	86.43
Magnesium/ICP*filtered	12	mg/L	5	<5	12/09/03	6010 & 200.7	---	0.27	97.41	97.92	124.41
Manganese/ICP	0.0053	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.06	90.68	101.36	84.74
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	12/03/03	245.2&7470	---	1.04	96	105	105
Molybdenum/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	J	1.64	101.66	99.64	92.1
Nickel/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.88	91.3	98.7	86.06

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

Respectfully Submitted,

Richard Elton

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



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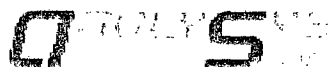
Project ID: EO2016 97-04
Sample Name: MW-7

Report#/Lab ID#: 150247
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Potassium/AA*filtered	1.57	mg/L	0.05	<0.05	12/09/03	258.1&7610	---	1.22	81.03	91.15	100.34
Selenium/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	2.52	94.9	98.82	84.69
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/05/03	272.2&7761	---	6.7	99.08	95	102
Sodium/ICP*filtered	29	mg/L	0.4	<0.4	12/11/03	6010 & 200.7	---	1.51	90.34	98.65	99.6
Strontium/ICP	0.668	mg/L	0.04	<0.04	12/09/03	6010 & 200.7	---	1.31	92.5	99	86.6
Tin/ICP	<0.02	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	1.04	94.74	98.79	86.96
Vanadium/ICP	0.0583	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	3.58	89.37	98.06	92.88
Zinc/ICP	0.0077	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	3.63	90.32	100.76	86.3
Extractable organics-PAH	---	---	---	---	12/19/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/08/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/08/03	8260b	---	0.4	105.3	95.9	105.9
Ethylbenzene	<1	µg/L	1	<1	12/08/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	<2	µg/L	2	<2	12/08/03	8260b	J	1.4	97.8	106.4	101.8
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b	---	0.9	102.1	109	116.7
Toluene	<1	µg/L	1	<1	12/08/03	8260b	---	0.2	111.9	108.8	109.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.1	33.4	97.5	42.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.4	32.2	97.1	41.8
Anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	8.5	30.4	95	44.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.7	40.9	94.2	52.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.7	32.1	95.2	51.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.5	44.5	95.2	54.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.9	44.1	94.6	54.6
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.8	46.5	95.9	58.1
Chrysene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	0.4	44.5	93.3	56.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.2	46.3	98.1	57.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.9	46.9	97.5	51.4
Fluorene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.1	37.1	98	43.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.5	45.8	97.5	56.2
Naphthalene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	J	0	28	96.2	38.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	0	41.5	95.5	43.6
Pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.8	43.8	92.1	48



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Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-7

Report#/Lab ID#: 150247
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.7	80-120	---
Toluene-d8	8260b	101	88-110	---
2-Fluorobiphenyl	8270c	50.8	43-116	---
Nitrobenzene-d5	8270c	0.9	35-114	X
Terphenyl-d14	8270c	57.9	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 150247 Matrix: water

Client: Environmental Tech Group

Attn: Jerry Brian

Project ID: EO2016 97-04

Sample Name: MW-7

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

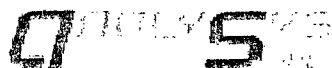
J flag Discussion

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
Aluminum/ICP	J	See J-flag discussion above.
Molybdenum/ICP	J	See J-flag discussion above.
Selenium/ICP	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.
Naphthalene	J	See J-flag discussion above.
Nitrobenzene-d5	X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices
Nitrobenzene-d5	X	(sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.

Notes: Sample was extracted and analyzed twice to try and get acceptable Nitrobenzene-d5 recovery. Both extractions and analyses had extremely low recovery indicating that something in the sample was inhibiting the extraction and/or analysis for this surrogate.



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Report#/Lab ID#: 150248 Report Date: 12/29/03
Project ID: EO2016 97-04
Sample Name: MW-8
Sample Matrix: water
Date Received: 12/02/2003 Time: 13:45
Date Sampled: 12/01/2003 Time: 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	12/08/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	12/03/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	12/03/03	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	12/04/03	3005a	---	---	---	---	---
Aluminum/ICP	0.258	mg/L	0.2	<0.2	12/09/03	6010 & 200.7	---	1.07	88.71	96.59	85.52
Arsenic/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.84	96.93	97.32	85.52
Barium/ICP	0.0739	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.96	85.82	100.92	84.74
Beryllium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	2.91	94.59	97.2	87.04
Boron/ICP	0.128	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	0.67	97.99	99.52	83.15
Cadmium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	1.39	97.29	98.6	88
Calcium/ICP*filtered	86.8	mg/L	10	<10	12/09/03	6010 & 200.7	---	0.28	99.61	97.78	115.79
Chromium/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	J	0.6	92.05	98.52	102.56
Cobalt/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.33	91.39	99.5	88.1
Copper/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.18	96.86	101.54	87.17
Iron/ICP	0.143	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	3.22	96.93	97.26	91.12
Lead/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.01	92.02	98.78	86.43
Magnesium/ICP*filtered	12.3	mg/L	5	<5	12/09/03	6010 & 200.7	---	0.27	97.41	97.92	124.41
Manganese/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	J	1.06	90.68	101.36	84.74
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	12/03/03	245.2&7470	---	1.04	96	105	105
Molybdenum/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	J	1.64	101.66	99.64	92.1
Nickel/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.88	91.3	98.7	86.06

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

Respectfully Submitted,

Richard Elton

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

01015

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Client: Environmental Tech Group
Attn: Jerry Brian

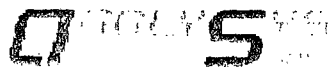
Project ID: EO2016 97-04
Sample Name: MW-8

Report#/Lab ID#: 150248
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Potassium/AA*filtered	1.42	mg/L	0.05	<0.05	12/09/03	258.1&7610	---	1.22	81.03	91.15	100.34
Selenium/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	2.52	94.9	98.82	84.69
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/05/03	272.2&7761	---	6.7	99.08	95	102
Sodium/ICP*filtered	23.7	mg/L	0.4	<0.4	12/11/03	6010 & 200.7	---	1.51	90.34	98.65	99.6
Strontium/ICP	0.699	mg/L	0.04	<0.04	12/09/03	6010 & 200.7	---	1.31	92.5	99	86.6
Tin/ICP	<0.02	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	1.04	94.74	98.79	86.96
Vanadium/ICP	0.0485	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	3.58	89.37	98.06	92.88
Zinc/ICP	0.0188	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	3.63	90.32	100.76	86.3
Extractable organics-PAH	---	---	---	---	12/18/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/08/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/08/03	8260b	---	0.4	105.3	95.9	105.9
Ethylbenzene	<1	µg/L	1	<1	12/08/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	<2	µg/L	2	<2	12/08/03	8260b	---	1.4	97.8	106.4	101.8
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b	---	0.9	102.1	109	116.7
Toluene	<1	µg/L	1	<1	12/08/03	8260b	---	0.2	111.9	108.8	109.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.1	33.4	97.5	42.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.4	32.2	97.1	41.8
Anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	8.5	30.4	95	44.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.7	40.9	94.2	52.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.7	32.1	95.2	51.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.5	44.5	95.2	54.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.9	44.1	94.6	54.6
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.8	46.5	95.9	58.1
Chrysene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0.4	44.5	93.3	56.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.2	46.3	98.1	57.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.9	46.9	97.5	51.4
Fluorene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.1	37.1	98	43.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.5	45.8	97.5	56.2
Naphthalene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0	28	96.2	38.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0	41.5	95.5	43.6
Pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.8	43.8	92.1	48



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Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-8

Report#/Lab ID#: 150248
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.6	80-120	---
Toluene-d8	8260b	102	88-110	---
2-Fluorobiphenyl	8270c	47.8	43-116	---
Nitrobenzene-d5	8270c	54.9	35-114	---
Terphenyl-d14	8270c	64.5	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 150248 Matrix: water
Client: Environmental Tech Group Attn: Jerry Brian
Project ID: EO2016 97-04
Sample Name: MW-8

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

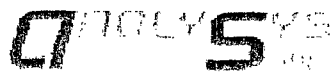
J flag Discussion

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
Chromium/ICP	J	See J-flag discussion above.
Manganese/ICP	J	See J-flag discussion above.
Molybdenum/ICP	J	See J-flag discussion above.
Selenium/ICP	J	See J-flag discussion above.

Notes:



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Client: Environmental Tech Group
Attn: Jerry Brian
Address: 2540 W. Marland
Hobbs NM 88240
Phone: (505) 397-4882 FAX: (505) 397-4701

Report#/Lab ID#: 150249 Report Date: 12/29/03
Project ID: EO2016 97-04
Sample Name: MW-10
Sample Matrix: water
Date Received: 12/02/2003 Time: 13:45
Date Sampled: 12/01/2003 Time: 12:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

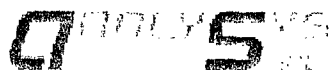
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	12/08/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	12/03/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	12/03/03	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	12/04/03	3005a	---	---	---	---	---
Aluminum/ICP	6.47	mg/L	0.2	<0.2	12/09/03	6010 & 200.7	---	1.07	88.71	96.59	85.52
Arsenic/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.84	96.93	97.32	85.52
Barium/ICP	0.294	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.96	85.82	100.92	84.74
Beryllium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	2.91	94.59	97.2	87.04
Boron/ICP	0.177	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	0.67	97.99	99.52	83.15
Cadmium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	1.39	97.29	98.6	88
Calcium/ICP*filtered	89.1	mg/L	10	<10	12/09/03	6010 & 200.7	---	0.28	99.61	97.78	115.79
Chromium/ICP	0.0177	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	0.6	92.05	98.52	102.56
Cobalt/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.33	91.39	99.5	88.1
Copper/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.18	96.86	101.54	87.17
Iron/ICP	3.52	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	3.22	96.93	97.26	91.12
Lead/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.01	92.02	98.78	86.43
Magnesium/ICP*filtered	14.3	mg/L	5	<5	12/09/03	6010 & 200.7	---	0.27	97.41	97.92	124.41
Manganese/ICP	0.0394	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.06	90.68	101.36	84.74
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	12/03/03	245.2&7470	---	1.04	96	105	105
Molybdenum/ICP	0.0052	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.64	101.66	99.64	92.1
Nickel/ICP	0.0125	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.88	91.3	98.7	86.06

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

Respectfully Submitted,

Richard Elton

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



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-10

Report#/Lab ID#: 150249
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Potassium/AA*filtered	1.87	mg/L	0.05	<0.05	12/09/03	258.1&7610	---	1.22	81.03	91.15	100.34
Selenium/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.52	94.9	98.82	84.69
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/05/03	272.2&7761	---	6.7	99.08	95	102
Sodium/ICP*filtered	32.2	mg/L	0.4	<0.4	12/11/03	6010 & 200.7	---	1.51	90.34	98.65	99.6
Strontium/ICP	0.81	mg/L	0.04	<0.04	12/09/03	6010 & 200.7	---	1.31	92.5	99	86.6
Tin/ICP	<0.02	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	1.04	94.74	98.79	86.96
Vanadium/ICP	0.0487	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	3.58	89.37	98.06	92.88
Zinc/ICP	0.0282	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	3.63	90.32	100.76	86.3
Extractable organics-PAH	---	---	---	---	12/18/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/08/03	8260b(5030/5035)	---	---	---	---	---
Benzene	2.45	µg/L	1	<1	12/08/03	8260b	---	0.4	105.3	95.9	105.9
Ethylbenzene	<1	µg/L	1	<1	12/08/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	<2	µg/L	2	<2	12/08/03	8260b	---	1.4	97.8	106.4	101.8
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b	---	0.9	102.1	109	116.7
Toluene	1.12	µg/L	1	<1	12/08/03	8260b	---	0.2	111.9	108.8	109.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.1	33.4	97.5	42.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.4	32.2	97.1	41.8
Anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	8.5	30.4	95	44.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.7	40.9	94.2	52.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.7	32.1	95.2	51.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.5	44.5	95.2	54.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.9	44.1	94.6	54.6
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.8	46.5	95.9	58.1
Chrysene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0.4	44.5	93.3	56.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.2	46.3	98.1	57.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.9	46.9	97.5	51.4
Fluorene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.1	37.1	98	43.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.5	45.8	97.5	56.2
Naphthalene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0	28	96.2	38.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0	41.5	95.5	43.6
Pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.8	43.8	92.1	48

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Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-10

Report#/Lab ID#: 150249
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86.3	80-120	---
Toluene-d8	8260b	105	88-110	---
2-Fluorobiphenyl	8270c	46.4	43-116	---
Nitrobenzene-d5	8270c	39.4	35-114	---
Terphenyl-d14	8270c	63.4	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 150249 Matrix: water
Client: Environmental Tech Group Attn: Jerry Brian
Project ID: EO2016 97-04
Sample Name: MW-10

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

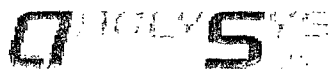
J flag Discussion

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
Copper/ICP	J	See J-flag discussion above.

Notes:



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Client: Environmental Tech Group
Attn: Jerry Brian
Address: 2540 W. Marland
Hobbs NM 88240
Phone: (505) 397-4882 FAX: (505) 397-4701

Report#/Lab ID#: 150250 Report Date: 12/29/03
Project ID: EO2016 97-04
Sample Name: MW-11
Sample Matrix: water
Date Received: 12/02/2003 Time: 13:45
Date Sampled: 12/01/2003 Time: 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

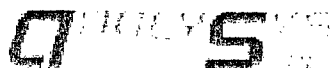
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	12/08/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	12/03/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	12/03/03	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	12/04/03	3005a	---	---	---	---	---
Aluminum/ICP	1.09	mg/L	0.2	<0.2	12/09/03	6010 & 200.7	---	1.07	88.71	96.59	85.52
Arsenic/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.84	96.93	97.32	85.52
Barium/ICP	0.122	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.96	85.82	100.92	84.74
Beryllium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	2.91	94.59	97.2	87.04
Boron/ICP	0.12	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	0.67	97.99	99.52	83.15
Cadmium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	1.39	97.29	98.6	88
Calcium/ICP*filtered	80	mg/L	10	<10	12/09/03	6010 & 200.7	---	0.28	99.61	97.78	115.79
Chromium/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	J	0.6	92.05	98.52	102.56
Cobalt/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.33	91.39	99.5	88.1
Copper/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.18	96.86	101.54	87.17
Iron/ICP	0.624	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	3.22	96.93	97.26	91.12
Lead/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.01	92.02	98.78	86.43
Magnesium/ICP*filtered	12.1	mg/L	5	<5	12/09/03	6010 & 200.7	---	0.27	97.41	97.92	124.41
Manganese/ICP	0.0104	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.06	90.68	101.36	84.74
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	12/03/03	245.2&7470	---	1.04	96	105	105
Molybdenum/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	J	1.64	101.66	99.64	92.1
Nickel/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.88	91.3	98.7	86.06

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

Respectfully Submitted,

Richard Elton

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



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-11

Report#/Lab ID#: 150250
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Potassium/AA*filtered	1.67	mg/L	0.05	<0.05	12/09/03	258.1&7610	---	1.22	81.03	91.15	100.34
Selenium/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.52	94.9	98.82	84.69
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/05/03	272.2&7761	---	6.7	99.08	95	102
Sodium/ICP*filtered	19.9	mg/L	0.4	<0.4	12/11/03	6010 & 200.7	---	1.51	90.34	98.65	99.6
Strontium/ICP	0.619	mg/L	0.04	<0.04	12/09/03	6010 & 200.7	---	1.31	92.5	99	86.6
Tin/ICP	<0.02	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	1.04	94.74	98.79	86.96
Vanadium/ICP	0.0312	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	3.58	89.37	98.06	92.88
Zinc/ICP	0.0135	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	3.63	90.32	100.76	86.3
Extractable organics-PAH	---	---	---	---	12/18/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/08/03	8260b(5030/5035)	---	---	---	---	---
Benzene	39.1	µg/L	1	<1	12/08/03	8260b	---	0.4	105.3	95.9	105.9
Ethylbenzene	1.52	µg/L	1	<1	12/08/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	3.61	µg/L	2	<2	12/08/03	8260b	---	1.4	97.8	106.4	101.8
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b	---	0.9	102.1	109	116.7
Toluene	<1	µg/L	1	<1	12/08/03	8260b	---	0.2	111.9	108.8	109.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.1	33.4	97.5	42.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.4	32.2	97.1	41.8
Anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	8.5	30.4	95	44.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.7	40.9	94.2	52.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.7	32.1	95.2	51.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.5	44.5	95.2	54.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.9	44.1	94.6	54.6
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.8	46.5	95.9	58.1
Chrysene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0.4	44.5	93.3	56.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.2	46.3	98.1	57.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.9	46.9	97.5	51.4
Fluorene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.1	37.1	98	43.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.5	45.8	97.5	56.2
Naphthalene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	J	0	28	96.2	38.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0	41.5	95.5	43.6
Pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.8	43.8	92.1	48

Q7707LY579

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-11

Report#/Lab ID#: 150250
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92	80-120	---
Toluene-d8	8260b	103	88-110	---
2-Fluorobiphenyl	8270c	43.6	43-116	---
Nitrobenzene-d5	8270c	53.1	35-114	---
Terphenyl-d14	8270c	53.3	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 150250 Matrix: water

Client: Environmental Tech Group

Attn: Jerry Brian

Project ID: EO2016 97-04

Sample Name: MW-11

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

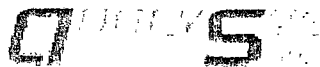
J flag Discussion

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
Chromium/ICP	J	See J-flag discussion above.
Molybdenum/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.
Naphthalene	J	See J-flag discussion above.

Notes:



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Client: Environmental Tech Group
Attn: Jerry Brian
Address: 2540 W. Marland
Hobbs NM 88240
Phone: (505) 397-4882 **FAX:** (505) 397-4701

Report#/Lab ID#: 150251 **Report Date:** 12/29/03
Project ID: EO2016 97-04
Sample Name: MW-12
Sample Matrix: water
Date Received: 12/02/2003 **Time:** 13:45
Date Sampled: 12/01/2003 **Time:** 13:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

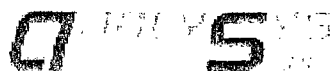
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	12/08/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	12/03/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	12/03/03	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	12/04/03	3005a	---	---	---	---	---
Aluminum/ICP	2.36	mg/L	0.2	<0.2	12/09/03	6010 & 200.7	---	1.07	88.71	96.59	85.52
Arsenic/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.84	96.93	97.32	85.52
Barium/ICP	0.0903	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.96	85.82	100.92	84.74
Beryllium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	2.91	94.59	97.2	87.04
Boron/ICP	0.12	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	0.67	97.99	99.52	83.15
Cadmium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	1.39	97.29	98.6	88
Calcium/ICP*filtered	79.2	mg/L	10	<10	12/09/03	6010 & 200.7	---	0.28	99.61	97.78	115.79
Chromium/ICP	0.0092	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	0.6	92.05	98.52	102.56
Cobalt/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.33	91.39	99.5	88.1
Copper/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.18	96.86	101.54	87.17
Iron/ICP	1.44	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	3.22	96.93	97.26	91.12
Lead/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.01	92.02	98.78	86.43
Magnesium/ICP*filtered	13.2	mg/L	5	<5	12/09/03	6010 & 200.7	---	0.27	97.41	97.92	124.41
Manganese/ICP	0.0187	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.06	90.68	101.36	84.74
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	12/03/03	245.2&7470	---	1.04	96	105	105
Molybdenum/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.64	101.66	99.64	92.1
Nickel/ICP	0.0115	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.88	91.3	98.7	86.06

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

Respectfully Submitted,

Richard Elton

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



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Client: Environmental Tech Group
Attn: Jerry Brian

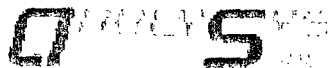
Project ID: EO2016 97-04
Sample Name: MW-12

Report#/Lab ID#: 150251
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Potassium/AA*filtered	1.45	mg/L	0.05	<0.05	12/09/03	258.1&7610	---	1.22	81.03	91.15	100.34
Selenium/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	2.52	94.9	98.82	84.69
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/05/03	272.2&7761	---	6.7	99.08	95	102
Sodium/ICP*filtered	26.8	mg/L	0.4	<0.4	12/11/03	6010 & 200.7	---	1.51	90.34	98.65	99.6
Strontium/ICP	0.582	mg/L	0.04	<0.04	12/09/03	6010 & 200.7	---	1.31	92.5	99	86.6
Tin/ICP	<0.02	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	1.04	94.74	98.79	86.96
Vanadium/ICP	0.042	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	3.58	89.37	98.06	92.88
Zinc/ICP	0.0347	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	3.63	90.32	100.76	86.3
Extractable organics-PAH	---	---	---	---	12/18/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/08/03	8260b(5030/5035)	---	---	---	---	---
Benzene	2.49	µg/L	1	<1	12/08/03	8260b	---	0.4	105.3	95.9	105.9
Ethylbenzene	<1	µg/L	1	<1	12/08/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	<2	µg/L	2	<2	12/08/03	8260b	---	1.4	97.8	106.4	101.8
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b	---	0.9	102.1	109	116.7
Toluene	1.22	µg/L	1	<1	12/08/03	8260b	---	0.2	111.9	108.8	109.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.1	33.4	97.5	42.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.4	32.2	97.1	41.8
Anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	8.5	30.4	95	44.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.7	40.9	94.2	52.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.7	32.1	95.2	51.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.5	44.5	95.2	54.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.9	44.1	94.6	54.6
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.8	46.5	95.9	58.1
Chrysene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0.4	44.5	93.3	56.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	6.2	46.3	98.1	57.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.9	46.9	97.5	51.4
Fluorene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	2.1	37.1	98	43.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	5.5	45.8	97.5	56.2
Naphthalene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0	28	96.2	38.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	0	41.5	95.5	43.6
Pyrene	<0.05	µg/L	0.05	<0.05	12/18/03	8270c	---	1.8	43.8	92.1	48



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Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-12

Report#/Lab ID#: 150251
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.7	80-120	---
Toluene-d8	8260b	102	88-110	---
2-Fluorobiphenyl	8270c	45.8	43-116	---
Nitrobenzene-d5	8270c	44.5	35-114	---
Terphenyl-d14	8270c	50.7	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 150251 Matrix: water

Client: Environmental Tech Group

Attn: Jerry Brian

Project ID: EO2016 97-04

Sample Name: MW-12

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

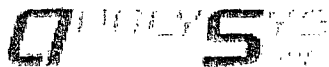
J flag Discussion

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
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Selenium/ICP	J	See J-flag discussion above.

Notes:



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Client: Environmental Tech Group
Attn: Jerry Brian
Address: 2540 W. Marland
Hobbs NM 88240
Phone: (505) 397-4882 FAX: (505) 397-4701

Report#/Lab ID#: 150252 Report Date: 12/29/03
Project ID: EO2016 97-04
Sample Name: MW-13
Sample Matrix: water
Date Received: 12/02/2003 Time: 13:45
Date Sampled: 12/01/2003 Time: 14:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	12/08/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	12/03/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	12/03/03	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	12/04/03	3005a	---	---	---	---	---
Aluminum/ICP	2.96	mg/L	0.2	<0.2	12/09/03	6010 & 200.7	---	1.07	88.71	96.59	85.52
Arsenic/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.84	96.93	97.32	85.52
Barium/ICP	0.111	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.96	85.82	100.92	84.74
Beryllium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	2.91	94.59	97.2	87.04
Boron/ICP	0.194	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	0.67	97.99	99.52	83.15
Cadmium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	1.39	97.29	98.6	88
Calcium/ICP*filtered	83.4	mg/L	10	<10	12/09/03	6010 & 200.7	---	0.28	99.61	97.78	115.79
Chromium/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	J	0.6	92.05	98.52	102.56
Cobalt/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.33	91.39	99.5	88.1
Copper/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.18	96.86	101.54	87.17
Iron/ICP	1.48	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	3.22	96.93	97.26	91.12
Lead/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.01	92.02	98.78	86.43
Magnesium/ICP*filtered	11.7	mg/L	5	<5	12/09/03	6010 & 200.7	---	0.27	97.41	97.92	124.41
Manganese/ICP	0.0387	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.06	90.68	101.36	84.74
Mercury/CVAA	0.00047	mg/L	0.0002	<0.0002	12/03/03	245.2&7470	---	1.04	96	105	105
Molybdenum/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.64	101.66	99.64	92.1
Nickel/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.88	91.3	98.7	86.06

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

Respectfully Submitted,

Richard Elton

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

7 5

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

Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-13

Report#/Lab ID#: 150252
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Potassium/AA*filtered	1.75	mg/L	0.05	<0.05	12/09/03	258.1&7610	---	1.22	81.03	91.15	100.34
Selenium/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	2.52	94.9	98.82	84.69
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/05/03	272.2&7761	---	6.7	99.08	95	102
Sodium/ICP*filtered	30.3	mg/L	0.4	<0.4	12/11/03	6010 & 200.7	---	1.51	90.34	98.65	99.6
Strontium/ICP	0.625	mg/L	0.04	<0.04	12/09/03	6010 & 200.7	---	1.31	92.5	99	86.6
Tin/ICP	<0.02	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	1.04	94.74	98.79	86.96
Vanadium/ICP	0.0512	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	3.58	89.37	98.06	92.88
Zinc/ICP	0.0071	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	3.63	90.32	100.76	86.3
Extractable organics-PAH	---	---	---	---	12/19/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/08/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/08/03	8260b	J	0.4	105.3	95.9	105.9
Ethylbenzene	<1	µg/L	1	<1	12/08/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	17.8	µg/L	2	<2	12/08/03	8260b	---	1.4	97.8	106.4	101.8
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b	---	0.9	102.1	109	116.7
Toluene	<1	µg/L	1	<1	12/08/03	8260b	---	0.2	111.9	108.8	109.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.1	33.4	97.5	42.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.4	32.2	97.1	41.8
Anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	8.5	30.4	95	44.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.7	40.9	94.2	52.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.7	32.1	95.2	51.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.5	44.5	95.2	54.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.9	44.1	94.6	54.6
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.8	46.5	95.9	58.1
Chrysene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	0.4	44.5	93.3	56.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.2	46.3	98.1	57.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.9	46.9	97.5	51.4
Fluorene	0.07	µg/L	0.05	<0.05	12/19/03	8270c	---	2.1	37.1	98	43.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.5	45.8	97.5	56.2
Naphthalene	1.5	µg/L	0.05	<0.05	12/19/03	8270c	---	0	28	96.2	38.4
Phenanthrene	0.066	µg/L	0.05	<0.05	12/19/03	8270c	---	0	41.5	95.5	43.6
Pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.8	43.8	92.1	48

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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: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-13

Report#/Lab ID#: 150252
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.4	80-120	---
Toluene-d8	8260b	102	88-110	---
2-Fluorobiphenyl	8270c	44.5	43-116	---
Nitrobenzene-d5	8270c	41.2	35-114	---
Terphenyl-d14	8270c	39.4	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 150252 Matrix: water
Client: Environmental Tech Group Attn: Jerry Brian
Project ID: EO2016 97-04
Sample Name: MW-13

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

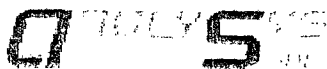
J flag Discussion

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
Arsenic/ICP	J	See J-flag discussion above.
Chromium/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.
Selenium/ICP	J	See J-flag discussion above.
Benzene	J	See J-flag discussion above.

Notes:



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Jerry Brian
Address: 2540 W. Marland
Hobbs NM 88240
Phone: (505) 397-4882 **FAX:** (505) 397-4701

Report#/Lab ID#: 150253 **Report Date:** 12/29/03
Project ID: EO2016 97-04
Sample Name: MW-14
Sample Matrix: water
Date Received: 12/02/2003 **Time:** 13:45
Date Sampled: 12/01/2003 **Time:** 14:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	12/08/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	12/03/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	12/03/03	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	12/04/03	3005a	---	---	---	---	---
Aluminum/ICP	0.57	mg/L	0.2	<0.2	12/09/03	6010 & 200.7	---	1.07	88.71	96.59	85.52
Arsenic/ICP	0.0162	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.84	96.93	97.32	85.52
Barium/ICP	0.159	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.96	85.82	100.92	84.74
Beryllium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	2.91	94.59	97.2	87.04
Boron/ICP	0.13	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	0.67	97.99	99.52	83.15
Cadmium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	1.39	97.29	98.6	88
Calcium/ICP*filtered	82.1	mg/L	10	<10	12/09/03	6010 & 200.7	---	0.28	99.61	97.78	115.79
Chromium/ICP	0.0099	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	0.6	92.05	98.52	102.56
Cobalt/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.33	91.39	99.5	88.1
Copper/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.18	96.86	101.54	87.17
Iron/ICP	1.11	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	3.22	96.93	97.26	91.12
Lead/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.01	92.02	98.78	86.43
Magnesium/ICP*filtered	14.4	mg/L	5	<5	12/09/03	6010 & 200.7	---	0.27	97.41	97.92	124.41
Manganese/ICP	0.123	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.06	90.68	101.36	84.74
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	12/03/03	245.2&7470	---	1.04	96	105	105
Molybdenum/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	J	1.64	101.66	99.64	92.1
Nickel/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.88	91.3	98.7	86.06

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

Respectfully Submitted,


Richard Elton

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

Client: Environmental Tech Group
Attn: Jerry Brian

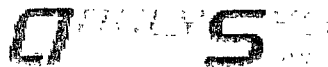
Project ID: EO2016 97-04
Sample Name: MW-14

Report#/Lab ID#: 150253
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Potassium/AA*filtered	3.47	mg/L	0.25	<0.25	12/09/03	258.1&7610	---	1.22	81.03	91.15	100.34
Selenium/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.52	94.9	98.82	84.69
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/05/03	272.2&7761	---	6.7	99.08	95	102
Sodium/ICP*filtered	35	mg/L	0.4	<0.4	12/11/03	6010 & 200.7	---	1.51	90.34	98.65	99.6
Strontium/ICP	0.604	mg/L	0.04	<0.04	12/09/03	6010 & 200.7	---	1.31	92.5	99	86.6
Tin/ICP	<0.02	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	1.04	94.74	98.79	86.96
Vanadium/ICP	0.0139	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	3.58	89.37	98.06	92.88
Zinc/ICP	0.0177	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	3.63	90.32	100.76	86.3
Extractable organics-PAH	---	---	---	---	12/19/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/09/03	8260b(5030/5035)	---	---	---	---	---
Benzene	794	µg/L	10	<10	12/09/03	8260b	---	0.4	105.3	95.9	105.9
Ethylbenzene	211	µg/L	10	<10	12/09/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	397	µg/L	20	<20	12/09/03	8260b	---	1.4	97.8	106.4	101.8
o-Xylene	191	µg/L	10	<10	12/09/03	8260b	---	0.9	102.1	109	116.7
Toluene	319	µg/L	10	<10	12/09/03	8260b	---	0.2	111.9	108.8	109.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.1	33.4	97.5	42.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.4	32.2	97.1	41.8
Anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	8.5	30.4	95	44.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.7	40.9	94.2	52.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.7	32.1	95.2	51.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.5	44.5	95.2	54.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.9	44.1	94.6	54.6
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.8	46.5	95.9	58.1
Chrysene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	0.4	44.5	93.3	56.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.2	46.3	98.1	57.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.9	46.9	97.5	51.4
Fluorene	0.432	µg/L	0.05	<0.05	12/19/03	8270c	---	2.1	37.1	98	43.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.5	45.8	97.5	56.2
Naphthalene	9.11	µg/L	0.5	<0.5	12/19/03	8270c	---	0	28	96.2	38.4
Phenanthrene	0.335	µg/L	0.05	<0.05	12/19/03	8270c	---	0	41.5	95.5	43.6
Pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.8	43.8	92.1	48



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Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-14

Report#/Lab ID#: 150253
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.6	80-120	---
Toluene-d8	8260b	101	88-110	---
2-Fluorobiphenyl	8270c	48.2	43-116	---
Nitrobenzene-d5	8270c	42	35-114	---
Terphenyl-d14	8270c	54.8	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 150253 Matrix: water

Client: Environmental Tech Group

Attn: Jerry Brian

Project ID: EO2016 97-04

Sample Name: MW-14

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

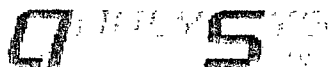
J flag Discussion

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
Lead/ICP	J	See J-flag discussion above.
Molybdenum/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.

Notes:



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Jerry Brian
Address: 2540 W. Marland
Hobbs NM 88240
Phone: (505) 397-4882 FAX: (505) 397-4701

Report#/Lab ID#: 150254 Report Date: 12/29/03
Project ID: EO2016 97-04
Sample Name: MW-15
Sample Matrix: water
Date Received: 12/02/2003 Time: 13:45
Date Sampled: 12/01/2003 Time: 15:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

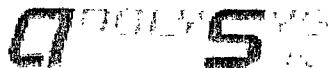
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	12/08/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	12/03/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	12/03/03	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	12/04/03	3005a	---	---	---	---	---
Aluminum/ICP	<0.2	mg/L	0.2	<0.2	12/09/03	6010 & 200.7	---	1.07	88.71	96.59	85.52
Arsenic/ICP	0.0129	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.84	96.93	97.32	85.52
Barium/ICP	0.077	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.96	85.82	100.92	84.74
Beryllium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	2.91	94.59	97.2	87.04
Boron/ICP	0.162	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	0.67	97.99	99.52	83.15
Cadmium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	1.39	97.29	98.6	88
Calcium/ICP*filtered	67	mg/L	10	<10	12/09/03	6010 & 200.7	---	0.28	99.61	97.78	115.79
Chromium/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	0.6	92.05	98.52	102.56
Cobalt/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.33	91.39	99.5	88.1
Copper/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.18	96.86	101.54	87.17
Iron/ICP	0.216	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	3.22	96.93	97.26	91.12
Lead/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.01	92.02	98.78	86.43
Magnesium/ICP*filtered	9.51	mg/L	5	<5	12/09/03	6010 & 200.7	---	0.27	97.41	97.92	124.41
Manganese/ICP	0.0578	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.06	90.68	101.36	84.74
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	12/03/03	245.2&7470	---	1.04	96	105	105
Molybdenum/ICP	<0.005	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	J	1.64	101.66	99.64	92.1
Nickel/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.88	91.3	98.7	86.06

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

Respectfully Submitted,

Richard Elton

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



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

Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-15

Report#/Lab ID#: 150254
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Potassium/AA*filtered	1.41	mg/L	0.05	<0.05	12/09/03	258.1&7610	---	1.22	81.03	91.15	100.34
Selenium/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.52	94.9	98.82	84.69
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/05/03	272.2&7761	---	6.7	99.08	95	102
Sodium/ICP*filtered	22	mg/L	0.4	<0.4	12/11/03	6010 & 200.7	---	1.51	90.34	98.65	99.6
Strontium/ICP	0.443	mg/L	0.04	<0.04	12/09/03	6010 & 200.7	---	1.31	92.5	99	86.6
Tin/ICP	<0.02	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	1.04	94.74	98.79	86.96
Vanadium/ICP	0.0214	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	3.58	89.37	98.06	92.88
Zinc/ICP	0.0136	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	3.63	90.32	100.76	86.3
Extractable organics-PAH	---	---	---	---	12/19/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/08/03	8260b(5030/5035)	---	---	---	---	---
Benzene	1190	µg/L	10	<10	12/09/03	8260b	---	0.4	105.3	95.9	105.9
Ethylbenzene	57	µg/L	1	<1	12/08/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	5.81	µg/L	2	<2	12/08/03	8260b	---	1.4	97.8	106.4	101.8
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b	---	0.9	102.1	109	116.7
Toluene	<1	µg/L	1	<1	12/08/03	8260b	---	0.2	111.9	108.8	109.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.1	33.4	97.5	42.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.4	32.2	97.1	41.8
Anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	8.5	30.4	95	44.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.7	40.9	94.2	52.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.7	32.1	95.2	51.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.5	44.5	95.2	54.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.9	44.1	94.6	54.6
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.8	46.5	95.9	58.1
Chrysene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	0.4	44.5	93.3	56.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.2	46.3	98.1	57.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.9	46.9	97.5	51.4
Fluorene	0.129	µg/L	0.05	<0.05	12/19/03	8270c	---	2.1	37.1	98	43.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.5	45.8	97.5	56.2
Naphthalene	1.95	µg/L	0.05	<0.05	12/19/03	8270c	---	0	28	96.2	38.4
Phenanthrene	0.074	µg/L	0.05	<0.05	12/19/03	8270c	---	0	41.5	95.5	43.6
Pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.8	43.8	92.1	48

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Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-15

Report#/Lab ID#: 150254
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.5	80-120	---
Toluene-d8	8260b	103	88-110	---
2-Fluorobiphenyl	8270c	47.2	43-116	---
Nitrobenzene-d5	8270c	50.8	35-114	---
Terphenyl-d14	8270c	44.8	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 150254 Matrix: water
Client: Environmental Tech Group Attn: Jerry Brian
Project ID: EO2016 97-04
Sample Name: MW-15

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

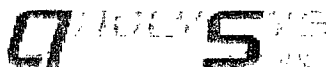
J flag Discussion

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
Lead/ICP	J	See J-flag discussion above.
Molybdenum/ICP	J	See J-flag discussion above.

Notes:



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Client: Environmental Tech Group
Attn: Jerry Brian
Address: 2540 W. Marland
Hobbs NM 88240
Phone: (505) 397-4882 FAX: (505) 397-4701

Report#/Lab ID#: 150255 Report Date: 12/29/03
Project ID: EO2016 97-04
Sample Name: MW-16
Sample Matrix: water
Date Received: 12/02/2003 Time: 13:45
Date Sampled: 12/01/2003 Time: 15:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

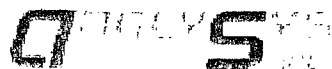
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	12/08/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	12/03/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	12/03/03	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	12/04/03	3005a	---	---	---	---	---
Aluminum/ICP	5.03	mg/L	0.2	<0.2	12/09/03	6010 & 200.7	---	1.07	88.71	96.59	85.52
Arsenic/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.84	96.93	97.32	85.52
Barium/ICP	0.204	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.96	85.82	100.92	84.74
Beryllium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	2.91	94.59	97.2	87.04
Boron/ICP	0.0877	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	0.67	97.99	99.52	83.15
Cadmium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	1.39	97.29	98.6	88
Calcium/ICP*filtered	87.3	mg/L	10	<10	12/09/03	6010 & 200.7	---	0.14	80.08	101.72	99.94
Chromium/ICP	0.0173	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	0.6	92.05	98.52	102.56
Cobalt/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.33	91.39	99.5	88.1
Copper/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.18	96.86	101.54	87.17
Iron/ICP	2.72	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	3.22	96.93	97.26	91.12
Lead/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.01	92.02	98.78	86.43
Magnesium/ICP*filtered	14.2	mg/L	5	<5	12/09/03	6010 & 200.7	---	2.65	104.61	101.28	100.8
Manganese/ICP	0.0431	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.06	90.68	101.36	84.74
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	12/03/03	245.2&7470	---	1.04	96	105	105
Molybdenum/ICP	0.0162	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.64	101.66	99.64	92.1
Nickel/ICP	0.0147	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.88	91.3	98.7	86.06

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

Respectfully Submitted,


Richard Elton

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



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Client: Environmental Tech Group
Attn: Jerry Brian

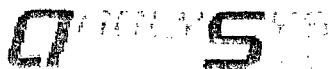
Project ID: EO2016 97-04
Sample Name: MW-16

Report#/Lab ID#: 150255
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Potassium/AA*filtered	2.44	mg/L	0.25	<0.25	12/09/03	258.1&7610	---	1.22	81.03	91.15	100.34
Selenium/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	2.52	94.9	98.82	84.69
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/05/03	272.2&7761	---	6.7	99.08	95	102
Sodium/ICP*filtered	21.3	mg/L	0.4	<0.4	12/11/03	6010 & 200.7	---	1.51	90.34	98.65	99.6
Strontium/ICP	0.602	mg/L	0.04	<0.04	12/09/03	6010 & 200.7	---	1.31	92.5	99	86.6
Tin/ICP	<0.02	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	1.04	94.74	98.79	86.96
Vanadium/ICP	0.0303	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	3.58	89.37	98.06	92.88
Zinc/ICP	0.0198	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	3.63	90.32	100.76	86.3
Extractable organics-PAH	---	---	---	---	12/19/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/09/03	8260b(5030/5035)	---	---	---	---	---
Benzene	13.6	µg/L	1	<1	12/09/03	8260b	---	0.4	105.3	95.9	105.9
Ethylbenzene	2.74	µg/L	1	<1	12/09/03	8260b	---	2.5	102.2	109.8	108.8
m,p-Xylenes	5.37	µg/L	2	<2	12/09/03	8260b	---	1.4	97.8	106.4	101.8
o-Xylene	2.87	µg/L	1	<1	12/09/03	8260b	---	0.9	102.1	109	116.7
Toluene	5.12	µg/L	1	<1	12/09/03	8260b	---	0.2	111.9	108.8	109.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.1	33.4	97.5	42.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.4	32.2	97.1	41.8
Anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	8.5	30.4	95	44.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.7	40.9	94.2	52.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.7	32.1	95.2	51.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.5	44.5	95.2	54.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.9	44.1	94.6	54.6
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.8	46.5	95.9	58.1
Chrysene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	0.4	44.5	93.3	56.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.2	46.3	98.1	57.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.9	46.9	97.5	51.4
Fluorene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.1	37.1	98	43.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.5	45.8	97.5	56.2
Naphthalene	0.129	µg/L	0.05	<0.05	12/19/03	8270c	---	0	28	96.2	38.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	0	41.5	95.5	43.6
Pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.8	43.8	92.1	48



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Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-16

Report#/Lab ID#: 150255
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.1	80-120	---
Toluene-d8	8260b	102	88-110	---
2-Fluorobiphenyl	8270c	45.4	43-116	---
Nitrobenzene-d5	8270c	53.1	35-114	---
Terphenyl-d14	8270c	50.5	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 150255 **Matrix:** water

Client: Environmental Tech Group

Attn: Jerry Brian

Project ID: EO2016 97-04

Sample Name: MW-16

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Selenium/ICP	J	See J-flag discussion above.

Notes:

7 1057

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: Jerry Brian
Address: 2540 W. Marland
Hobbs NM 88240
Phone: (505) 397-4882 FAX: (505) 397-4701

Report#/Lab ID#: 150256 Report Date: 12/29/03
Project ID: EO2016 97-04
Sample Name: MW-17
Sample Matrix: water
Date Received: 12/02/2003 Time: 13:45
Date Sampled: 12/01/2003 Time: 16:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

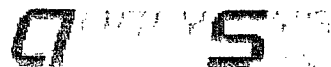
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	12/08/03	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	12/03/03	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	12/03/03	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	12/04/03	3005a	---	---	---	---	---
Aluminum/ICP	13.3	mg/L	0.2	<0.2	12/09/03	6010 & 200.7	---	1.07	88.71	96.59	85.52
Arsenic/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.84	96.93	97.32	85.52
Barium/ICP	0.683	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.96	85.82	100.92	84.74
Beryllium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	2.91	94.59	97.2	87.04
Boron/ICP	0.129	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	0.67	97.99	99.52	83.15
Cadmium/ICP	<0.002	mg/L	0.002	<0.002	12/09/03	6010 & 200.7	---	1.39	97.29	98.6	88
Calcium/ICP*filtered	101	mg/L	10	<10	12/09/03	6010 & 200.7	---	0.14	80.08	101.72	99.94
Chromium/ICP	0.037	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	0.6	92.05	98.52	102.56
Cobalt/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	2.33	91.39	99.5	88.1
Copper/ICP	0.0156	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.18	96.86	101.54	87.17
Iron/ICP	7.54	mg/L	2	<2	12/11/03	6010 & 200.7	---	5.19	83.03	98.71	106.9
Lead/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	J	1.01	92.02	98.78	86.43
Magnesium/ICP*filtered	19.5	mg/L	5	<5	12/09/03	6010 & 200.7	---	2.65	104.61	101.28	100.8
Manganese/ICP	0.106	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.06	90.68	101.36	84.74
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	12/03/03	245.2&7470	---	1.04	96	105	105
Molybdenum/ICP	0.0225	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	1.64	101.66	99.64	92.1
Nickel/ICP	0.0233	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	1.88	91.3	98.7	86.06

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

Respectfully Submitted,


Richard Elton

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



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Client: Environmental Tech Group
Attn: Jerry Brian

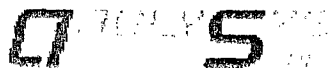
Project ID: EO2016 97-04
Sample Name: MW-17

Report#/Lab ID#: 150256
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Potassium/AA*filtered	3.15	mg/L	0.25	<0.25	12/09/03	258.1&7610	---	1.22	81.03	91.15	100.34
Selenium/ICP	<0.01	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	2.52	94.9	98.82	84.69
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/08/03	272.2&7761	---	6.13	77.06	82.5	103
Sodium/ICP*filtered	44	mg/L	0.4	<0.4	12/11/03	6010 & 200.7	---	1.51	90.34	98.65	99.6
Strontium/ICP	1.06	mg/L	0.04	<0.04	12/09/03	6010 & 200.7	---	1.31	92.5	99	86.6
Tin/ICP	<0.02	mg/L	0.02	<0.02	12/09/03	6010 & 200.7	---	1.04	94.74	98.79	86.96
Vanadium/ICP	0.0482	mg/L	0.01	<0.01	12/09/03	6010 & 200.7	---	3.58	89.37	98.06	92.88
Zinc/ICP	0.0345	mg/L	0.005	<0.005	12/09/03	6010 & 200.7	---	3.63	90.32	100.76	86.3
Extractable organics-PAH	---	---	---	---	12/19/03	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/08/03	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/08/03	8260b	---	3.3	106.5	98.9	103.7
Ethylbenzene	<1	µg/L	1	<1	12/08/03	8260b	---	3.3	113.2	107.3	109.7
m,p-Xylenes	<2	µg/L	2	<2	12/08/03	8260b	---	3.2	106.5	102.5	102.9
o-Xylene	<1	µg/L	1	<1	12/08/03	8260b	---	4.1	110.6	117.6	117.2
Toluene	<1	µg/L	1	<1	12/08/03	8260b	---	4.1	114.3	107.2	111.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.1	33.4	97.5	42.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.4	32.2	97.1	41.8
Anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	8.5	30.4	95	44.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.7	40.9	94.2	52.6
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.7	32.1	95.2	51.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.5	44.5	95.2	54.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.9	44.1	94.6	54.6
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.8	46.5	95.9	58.1
Chrysene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	0.4	44.5	93.3	56.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	6.2	46.3	98.1	57.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.9	46.9	97.5	51.4
Fluorene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	2.1	37.1	98	43.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	5.5	45.8	97.5	56.2
Naphthalene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	0	28	96.2	38.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	0	41.5	95.5	43.6
Pyrene	<0.05	µg/L	0.05	<0.05	12/19/03	8270c	---	1.8	43.8	92.1	48



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Client: Environmental Tech Group
Attn: Jerry Brian

Project ID: EO2016 97-04
Sample Name: MW-17

Report#/Lab ID#: 150256
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	104	88-110	---
2-Fluorobiphenyl	8270c	45.9	43-116	---
Nitrobenzene-d5	8270c	38	35-114	---
Terphenyl-d14	8270c	53.4	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 150256 **Matrix:** water

Client: Environmental Tech Group

Attn: Jerry Brian

Project ID: EO2016 97-04

Sample Name: MW-17

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.)

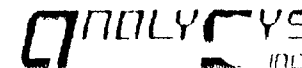
Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Arsenic/ICP	J	See J-flag discussion above.
Cobalt/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.

Notes:

CHAIN -CUSTODY

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Christi, TX 78408 Ph: (361) 289-6381
Fax: (361) 289-0375

Send Reports To:

Company Name Environmental Technology Group Inc.
Address 2540 W. Norland
City Holts State N.M. Zip 88240
ATTN: Jerry Brien
Phone (505) 397-4882 Fax (505) 397-4701
Project Name/PO#: EO 2016 97-04 Sampler Justin Fisk

Bill To (if different):

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

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

Project Number CM- 20-2016 71-03 Sample 1-574							No. of Containers and Preservative (TRRP-13 Mandatory)										Matrix		Analyze For					
Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Lab I.D. # (Lab Only)	Ice	HNO3	HCL	ZnAc/NaOH	H2SO4 Glass	None	Other (Specify)	Water	Wastewater	Waste	Soil	Other (Specify)						
MW-1	12-1-03	11:00	4			150246	X	X	X					X					X	4000 mg/kg				
MW-7	12-1-03	11:30	4			150247	X	X	X					X					X	PAH				
MW-8	12-1-03	12:00	4			150248	X	X	X					X					X					
MW-10	12-1-03	12:30	4			150249	X	X	X					X					X					
MW-11	12-1-03	1:00	4			150250	X	X	X					X					X					
MW-12	12-1-03	1:30	4			150251	X	X	X					X					X					
MW-13	12-1-03	2:00	4			150252	X	X	X					X					X					
MW-14	12-1-03	2:30	4			150253	X	X	X					X					X					
MW-15	12-1-03	3:00	4			150254	X	X	X					X					X					
MW-16	12-1-03	3:30	4			150255	X	X	X					X					X					

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

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 (MRL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Sample Relinquished By

Sample Received By

Name

Affiliation

Date

Time

Name

Affiliation

Date

Time

Justin Fisk ETA

12-1-03

Melanie Hengstler ASI

12/2/03

1345

Temperature
upon receipt
(if consistent with
MRL/PQL)
5 (11 to 16 C)

T: 3.9 C

YES

☒

NO

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

www.at-sysinc.com

QUANTIFY YOUR

Bill To (if different):

Company Name Link Energy

Address _____

City _____ State _____ Zip _____

ATTN:

Phone _____ Fax _____

PDF GENERATED BY PDF ELEMENTS

No. of Containers and
Preservative
(TRRP-13 Mandatory)

Analyze For

Client Sample No. Description/Identification		Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Lab I.D. # (Lab Only)	Ice	HNO3	HCL	ZnAc/NaOH	H2SO4 Glass	None	Other (Specify)	Water	Wastewater	Waste	Soil	Other (Specify)	wacc meth	PAH	BTEX 80216
mw-17		12-1-03	4:00	4			150256	X	X	X					X					X	X	X

KUSH TAT Pre- scheduled TAT	
--------------------------------	--

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

(11) Unless specifically requested otherwise on this Chain of custody and/or attached documentation, all analyses will be conducted using ASP's method of choice, and all data will be reported at ASP's normal reporting limits (MDL/PUCL). 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, ASP will default to Priority Pollutants or ASP's HSL list at ASP's option. Specific compound lists must be supplied for all GC procedures.

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
<i>[Signature]</i>	ETGE	12-1-08		<i>Melanie Humphrey</i>	ASI	12/2/08	1345

Temperature upon receipt
 (Consistent with
 NHTC 1000;
 51100000)

YES

240

T. 3.90

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

EOTT ENERGY LLC

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

March 31, 2003

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

Dear Mr. Bayliss;

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

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

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

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

Sincerely,



Bill Von Drehle
Director Environmental
EOTT ENERGY LLC

Cc: Frank Hernandez

MAR 25 2003

ANNUAL MONITORING REPORT

**EOTT ENERGY, LLC
TNM 97-04
LEA COUNTY, NEW MEXICO
SE4 SE4 SECTION 11, TOWNSHIP 16 SOUTH, RANGE 35 EAST**

PREPARED FOR:

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

PREPARED BY:

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

March 2003


Ken Dutton
Project Manager

Chance I. Johnson
New Mexico Regional Manager

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Table 2 – Groundwater Chemistry

APPENDICES

Appendix A – Laboratory Reports

INTRODUCTION

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

Groundwater monitoring was conducted during four quarterly events in calendar year 2002 to assess the levels and extent of dissolved phase and phase-separated petroleum hydrocarbon (PSH) constituents. The groundwater monitoring events consisted of measuring static water levels in the monitor wells, checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing measurable levels of PSH were not sampled.

FIELD ACTIVITIES

The site monitor wells were gauged and sampled on February 13, June 12, August 26, and November 21, 2002. During each sampling event, the monitor wells designated to be sampled were purged of approximately three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were stored in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Pate Trucking, Hobbs, New Mexico or Vista Trucking, Eunice, New Mexico utilizing a licensed disposal facility (NMOCD AO SWD-730). Additionally, monitor wells MW-16 and MW-17 were installed during the last week of December 2002 to further delineate the site. Developing and sampling of the newly installed monitor wells was conducted in January 2003.

GROUNDWATER GRADIENT

Locations of the monitor wells and the inferred groundwater gradient, as measured on November 21, 2002 are depicted on Figure 2, the Site Groundwater Gradient Map. The groundwater elevation data is provided as Table 1. Groundwater elevation contours, generated from the final quarterly event of calendar year 2002 water level measurements, indicated a general gradient of approximately 0.003 ft/ft to the southeast as measured between groundwater monitor wells MW-10 and MW-15. The depth to groundwater, as measured from the top of the well casing, ranged between 52.49 to 56.24 feet in the shallow alluvial aquifer.

A measurable thickness of PSH was detected in monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-9 and recovery well RW-1 during the annual monitoring period. Maximum thicknesses of 3.67 feet in monitor well MW-2, 3.27 feet in monitor well MW-3, 3.17 feet in monitor well MW-4, 3.64 feet in monitor well MW-5, 3.57 feet in monitor well MW-6, 2.91 feet in monitor well MW-9 and 3.11 in recovery well RW-1 was measured and is shown on Table 1.

LABORATORY RESULTS

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

Laboratory results for groundwater samples collected during the calendar year 2002 indicated that benzene and BTEX concentrations were below NMOCD regulatory standards in monitor wells MW-1, MW-7, MW-8, MW-10, MW-11, and MW-12. The benzene concentrations were above NMOCD regulatory standards in monitor wells MW-13. The benzene and BTEX concentrations observed in the groundwater in monitor wells MW-14 and MW-15 exceeded NMOCD 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 was detected in monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-9 and recovery well RW-1 during the annual monitoring period. A maximum thickness of 3.67 feet in monitor well MW-2, 3.27 feet in monitor well MW-3, 3.17 feet in monitor well MW-4, 3.64 feet in monitor well MW-5, 3.57 feet in monitor well MW-6, 2.87 feet in monitor well MW-9 and 3.11 in recovery well RW-1 was measured and is shown on Table 1. During this reporting period, approximately 1,500 gallons of PSH was recovered from the aforementioned monitor wells. Recovered PSH was reintroduced into the EOTT transportation system at the Lea Station Facility, Monument, New Mexico. Additionally, monitor wells MW-16 and MW-17 were installed during the last week of December 2002 to further delineate the site. Developing and sampling of the monitor wells was conducted in January 2003.

Groundwater elevation contours, generated from the final quarterly event of calendar year 2002 water level measurements, indicated a general gradient of approximately 0.003 ft/ft to the southeast as measured between groundwater monitor wells MW-10 and MW-15.

Laboratory results for groundwater samples collected during the calendar year 2002 indicated that benzene and BTEX concentrations were below NMOCD regulatory standards in monitor wells MW-1, MW-7, MW-8, MW-10, MW-11, and MW-12. The benzene concentrations were above NMOCD regulatory standards in monitor wells MW-13. The benzene and BTEX concentrations observed in the groundwater in monitor wells MW-14 and MW-15 exceeded NMOCD regulatory standards.

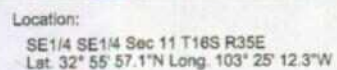
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Quality Control Review

FIGURES

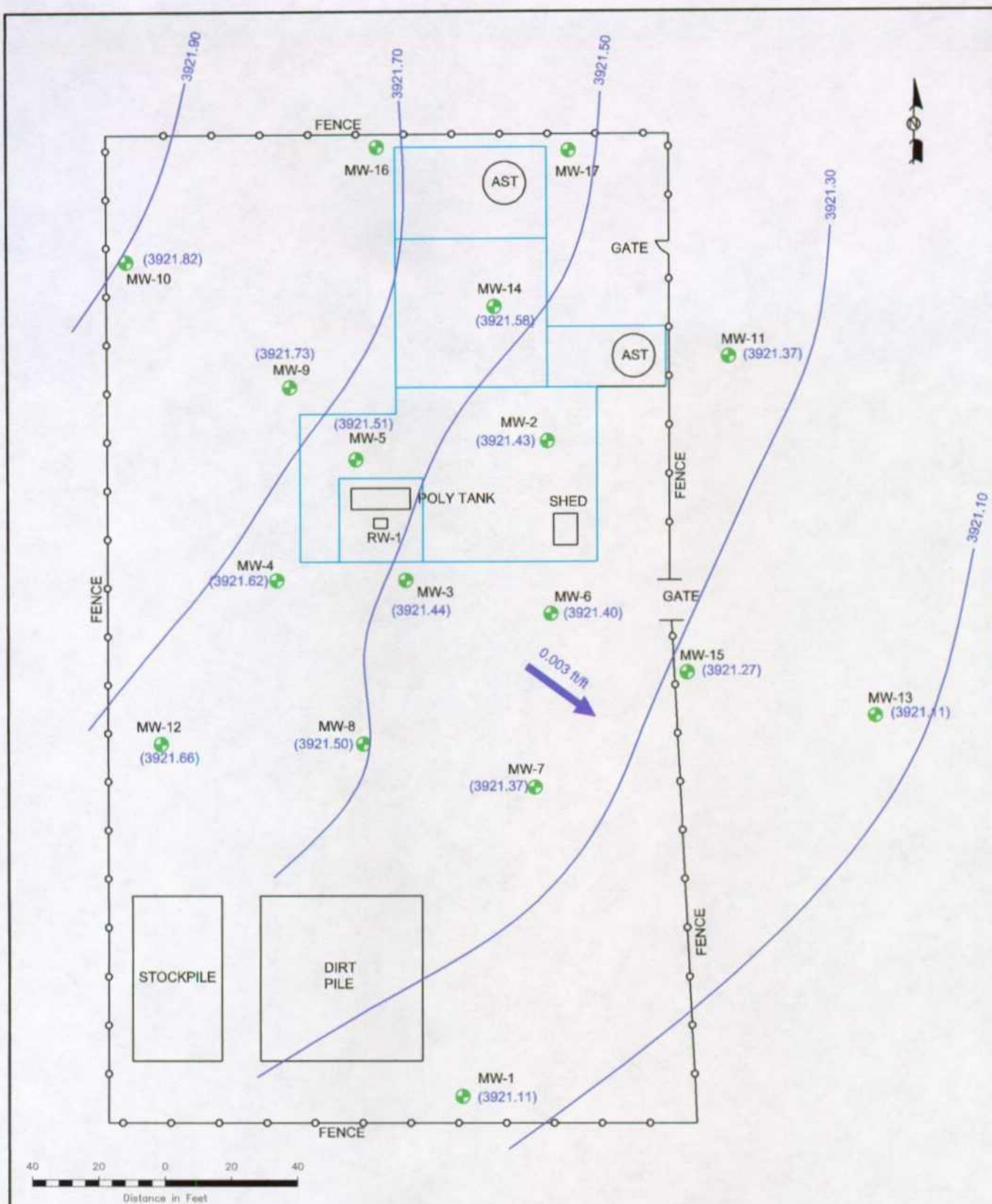


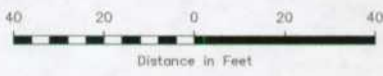
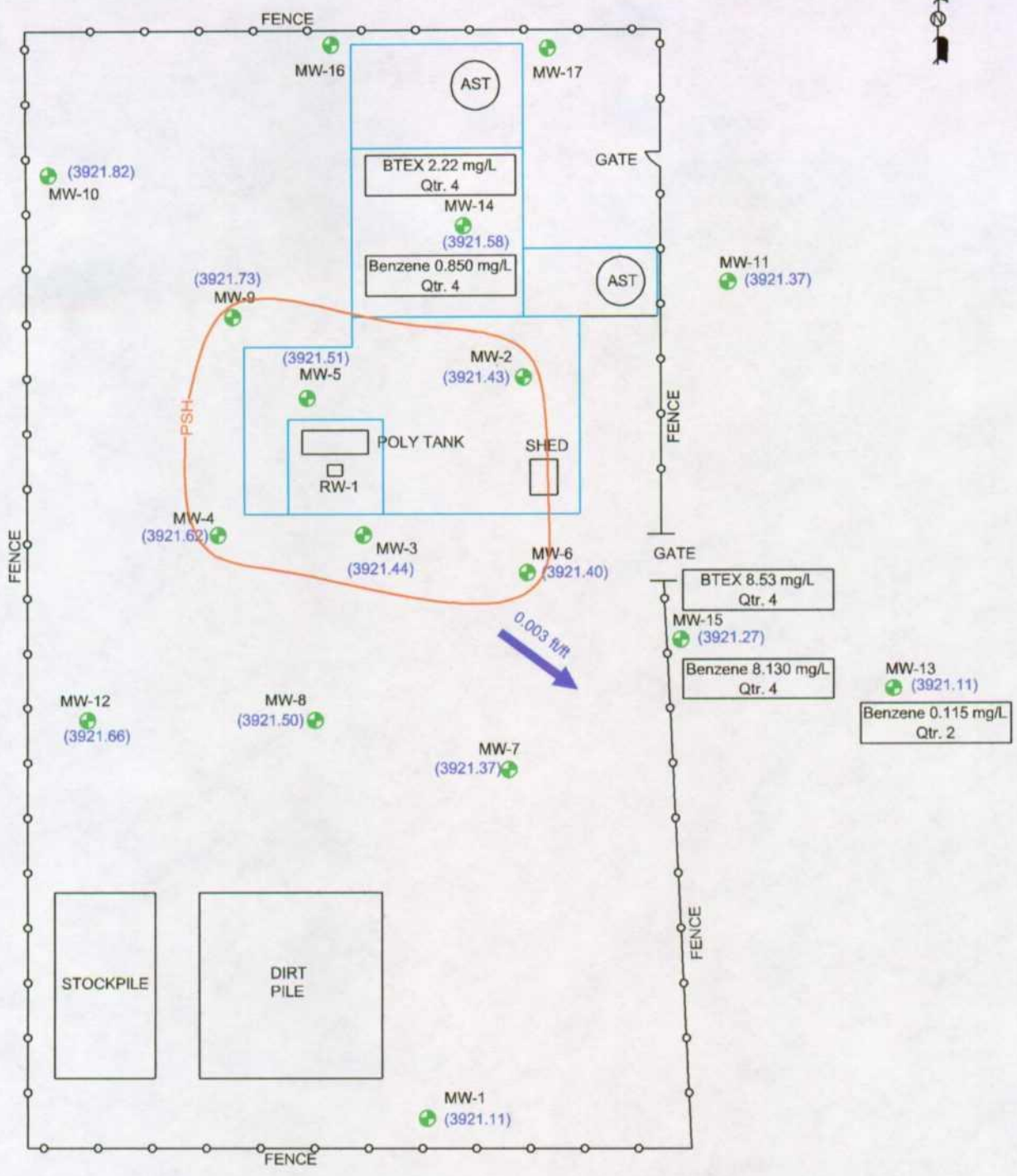
E.O.T.T. Energy
TNM 97 - 04
Lea County, NM



Environmental Technology
Group, Inc.

Scale: NTS	Prep By: JDJ	Checked By: CR
February 25, 2002	ETGI Project #: EOT2016C	





LEGEND: ● Monitoring Well Locations (3921.82) Groundwater Elevation in Feet — Berms 0.003 ft/ft Groundwater Gradient Direction and Magnitude	Figure 3 NMOCD Site Map 11/21/02 Elevations E.O.T.T. Energy TNM 97 - 04 Lea County, NM		Environmental Technology Group, Inc.	
			SE1/4 SE1/4 Sec 11 T16S R35E ETGI Project #: EOT2016C	
			Scale: 1" = 40'	Prep By: JDJ Checked By: CR
			March 11, 2003	Lat. 32° 55' 57.1"N Long. 103° 25' 12.3"W

TABLES

TABLE 1
GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-1	03/02/00	3,974.18	-	53.01	0.00	3921.17
	04/25/00	3,974.18	-	53.02	0.00	3,921.16
	09/06/00	3,974.18	-	53.07	0.00	3,921.11
	11/28/00	3,974.18	-	53.08	0.00	3,921.10
	02/21/01	3,974.18	-	52.98	0.00	3,921.20
	05/31/01	3,974.18	-	52.94	0.00	3,921.24
	08/23/01	3,974.18	-	52.95	0.00	3,921.23
	11/21/01	3,974.18	-	52.99	0.00	3,921.19
	02/13/02	3,974.18	-	53.04	0.00	3,921.14
	06/12/02	3,974.18	-	52.99	0.00	3,921.19
	08/26/02	3,974.18	-	53.02	0.00	3,921.16
	11/21/02	3,974.18	-	53.07	0.00	3,921.11
MW - 2	03/02/00	3,974.62	52.49	55.38	2.89	3,921.70
	04/25/00	3,974.62	52.59	55.42	2.83	3,921.61
	09/05/00	3,974.62	52.58	55.71	3.13	3,921.57
	12/01/00	3,974.62	52.75	55.23	2.48	3,921.50
	02/21/01	3,974.62	52.52	55.75	3.23	3,921.62
	05/31/01	3,974.62	52.77	54.75	1.98	3,921.55
	08/23/01	3,974.62	52.40	55.83	3.35	3,921.64
	11/21/01	3,974.62	53.02	54.21	1.19	3,921.42
	02/13/02	3,974.62	52.48	56.14	3.66	3,921.59
	06/12/02	3,974.62	52.44	56.11	3.67	3,921.63
	***	08/26/02	3,974.62	-	-	-
	11/08/02	3,974.62	52.59	55.99	3.40	3,921.52
	11/21/02	3,974.62	53.13	53.54	0.41	3,921.43
	12/27/02	3,974.62	52.64	55.65	3.01	3,921.53
MW - 3	03/02/00	3,974.60	52.71	55.03	2.38	3,921.59
	04/25/00	3,974.60	52.61	55.09	2.48	3,921.62
	09/06/00	3,974.60	52.54	55.66	3.12	3,921.59
	11/28/00	3,974.60	52.64	55.57	2.93	3,921.52
	02/21/01	3,974.60	52.94	53.50	0.56	3,921.58
	05/31/01	3,974.60	52.51	55.71	3.20	3,921.61
	08/23/01	3,974.60	52.46	55.80	3.34	3,921.64
	11/21/01	3,974.60	52.46	55.81	3.35	3,921.64
	02/13/02	3,974.60	52.51	55.78	3.27	3,921.60
	06/12/02	3,974.60	52.47	55.17	2.70	3,921.73
	08/26/02	3,974.60	55.74	52.49	3.25	3,924.87
	11/08/02	3,974.60	53.15	53.21	0.06	3,921.44
	11/21/02	3,974.60	53.15	53.21	0.06	3,921.44
	12/27/02	3,974.60	52.64	55.24	2.60	3,921.57

TABLE 1
GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	03/02/00	3,974.53	52.58	54.30	1.72	3,921.69
	04/25/00	3,974.53	52.59	54.38	1.79	3,921.67
	09/06/00	3,974.53	52.44	55.11	2.67	3,921.69
	11/28/00	3,974.53	52.48	55.25	2.77	3,921.63
	02/21/01	3,974.53	52.38	55.15	2.77	3,921.73
	05/31/01	3,974.53	52.43	55.22	2.79	3,921.68
	08/23/01	3,974.53	52.38	55.24	2.86	3,921.72
	11/21/01	3,974.53	52.37	55.15	2.78	3,921.74
	02/13/02	3,974.53	52.42	55.21	2.79	3,921.69
	06/12/02	3,974.53	52.31	55.44	3.13	3,921.75
	08/26/02	3,974.53	52.33	55.50	3.17	3,921.72
	11/08/02	3,974.53	52.94	53.18	0.24	3,921.55
	11/21/02	3,974.53	52.61	54.63	2.02	3,921.62
	12/27/02	3,974.53	52.53	54.86	2.33	3,921.65
MW - 5	03/02/00	3,974.28	52.09	55.50	3.41	3,921.68
	04/25/00	3,974.28	52.04	55.59	3.55	3,921.71
	09/06/00	3,974.28	52.11	55.48	3.37	3,921.66
	11/28/00	3,974.28	52.21	55.46	3.25	3,921.58
	02/21/01	3,974.28	52.07	55.40	3.33	3,921.71
	05/31/01	3,974.28	52.11	55.48	3.37	3,921.66
	08/23/01	3,974.28	52.08	55.45	3.37	3,921.69
	11/21/01	3,974.28	52.20	55.43	3.23	3,921.60
	02/13/02	3,974.28	52.14	55.43	3.29	3,921.65
	06/12/02	3,974.28	52.04	55.65	3.61	3,921.70
	08/26/02	3,974.28	52.04	55.68	3.64	3,921.69
	11/08/02	3,974.28	52.71	52.97	0.26	3,921.53
	11/21/02	3,974.28	52.73	53.01	0.28	3,921.51
	12/27/02	3,974.28	52.24	55.09	2.85	3,921.61
MW - 6	03/02/00	3,974.72	53.10	53.84	0.74	3,921.51
	04/25/00	3,974.72	53.14	53.91	0.77	3,921.46
	09/06/00	3,974.72	52.81	55.87	3.06	3,921.45
	11/28/00	3,974.72	52.91	55.62	2.71	3,921.40
	02/21/01	3,974.72	52.79	55.42	2.63	3,921.54
	05/31/01	3,974.72	52.95	54.83	1.88	3,921.49
	08/23/01	3,974.72	52.69	55.95	3.26	3,921.54
	11/21/01	3,974.72	53.42	55.42	2.31	3,921.26
	02/13/02	3,974.72	52.74	56.04	3.30	3,921.49
	06/12/02	3,974.72	52.63	56.16	3.53	3,921.56
	08/26/02	3,974.72	52.67	56.24	3.57	3,921.51
	11/08/02	3,974.72	53.03	55.06	2.03	3,921.39
	11/21/02	3,974.72	53.10	54.57	1.47	3,921.40
	12/27/02	3,974.72	52.95	54.97	2.02	3,921.47

TABLE 1
GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	03/02/00	3,974.60	-	53.17	0.00	3,921.43
	04/25/00	3,974.60	-	53.23	0.00	3,921.37
	09/06/00	3,974.60	-	53.28	0.00	3,921.32
	11/28/00	3,974.60	-	53.28	0.00	3,921.32
	02/21/01	3,974.60	-	53.18	0.00	3,921.42
	05/31/01	3,974.60	-	53.15	0.00	3,921.45
	08/23/01	3,974.60	-	53.14	0.00	3,921.46
	11/21/01	3,974.60	-	53.19	0.00	3,921.41
	02/13/02	3,974.60	-	53.22	0.00	3,921.38
	06/12/02	3,974.60	-	53.18	0.00	3,921.42
	08/26/02	3,974.60	-	53.19	0.00	3,921.41
	11/21/02	3,974.60	-	53.23	0.00	3,921.37
MW - 8	03/02/00	3,974.48	-	52.89	0.00	3,921.59
	04/25/00	3,974.48	-	52.96	0.00	3,921.52
	09/06/00	3,974.48	-	53.00	0.00	3,921.48
	11/28/00	3,974.48	-	53.00	0.00	3,921.48
	02/21/01	3,974.48	-	52.90	0.00	3,921.58
	05/31/01	3,974.48	-	52.85	0.00	3,921.63
	08/23/01	3,974.48	-	52.87	0.00	3,921.61
	11/21/01	3,974.48	-	52.92	0.00	3,921.56
	02/13/02	3,974.48	-	52.96	0.00	3,921.52
	06/12/02	3,974.48	-	52.93	0.00	3,921.55
	08/26/02	3,974.48	-	52.92	0.00	3,921.56
	11/21/02	3,974.48	-	52.98	0.00	3,921.50
MW - 9	03/02/00	3,975.06	53.07	54.26	1.19	3,921.81
	04/25/00	3,975.06	53.11	54.34	1.23	3,921.77
	09/06/00	3,975.06	53.04	55.02	2.21	3,921.92
	11/28/00	3,975.06	53.13	54.90	1.77	3,921.66
	02/02/01	3,975.06	53.14	54.19	1.05	3,921.76
	05/31/01	3,975.06	53.08	54.81	1.73	3,921.72
	08/23/01	3,975.06	52.88	55.30	2.42	3,921.82
	11/21/01	3,975.06	53.15	54.20	1.05	3,921.75
	02/13/02	3,975.06	52.86	55.73	2.87	3,921.77
	06/12/02	3,975.06	52.82	55.67	2.85	3,921.81
	08/26/02	3,975.06	52.83	55.70	2.87	3,921.80
	11/08/02	3,975.06	52.90	55.81	2.91	3,921.72
	11/21/02	3,975.06	52.90	55.77	2.87	3,921.73
	12/27/02	3,975.06	53.13	54.68	1.55	3,921.70
MW - 10	03/02/00	3,975.02	-	53.10	0.00	3,921.92
	04/25/00	3,975.02	-	53.18	0.00	3,921.84
	09/06/00	3,975.02	-	53.22	0.00	3,921.80
	11/28/00	3,975.02	-	53.23	0.00	3,921.79
	02/21/01	3,975.02	-	53.15	0.00	3,921.87
	05/31/01	3,975.02	-	53.08	0.00	3,921.94
	08/23/01	3,975.02	-	53.10	0.00	3,921.92
	11/21/01	3,975.02	-	53.13	0.00	3,921.89
	02/13/02	3,975.02	-	53.16	0.00	3,921.86
	06/12/02	3,975.02	-	53.14	0.00	3,921.88
	08/26/02	3,975.02	-	53.14	0.00	3,921.88
	11/21/02	3,975.02	-	53.20	0.00	3,921.82

TABLE 1
GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 11	03/02/00	3,975.30	-	53.84	0.00	3,921.46
	04/25/00	3,975.30	-	53.91	0.00	3,921.39
	09/06/00	3,975.30	-	53.95	0.00	3,921.35
	11/28/00	3,975.30	-	53.96	0.00	3,921.34
	02/21/01	3,975.30	-	53.79	0.00	3,921.51
	05/31/01	3,975.30	-	53.77	0.00	3,921.53
	08/23/01	3,975.30	-	53.83	0.00	3,921.47
	11/21/01	3,975.30	-	53.87	0.00	3,921.43
	02/13/02	3,975.30	-	52.85	0.00	3,922.45
	06/12/02	3,975.30	-	53.87	0.00	3,921.43
	08/26/02	3,975.30	-	53.89	0.00	3,921.41
	11/21/02	3,975.30	-	53.93	0.00	3,921.37
MW - 12	03/02/00	3,974.55	-	52.80	0.00	3,921.75
	04/25/00	3,974.55	-	52.86	0.00	3,921.69
	09/06/00	3,974.55	-	52.90	0.00	3,921.65
	11/28/00	3,974.55	-	52.92	0.00	3,921.63
	02/21/01	3,974.55	-	52.75	0.00	3,921.80
	05/31/01	3,974.55	-	52.75	0.00	3,921.80
	08/31/01	3,974.55	-	52.78	0.00	3,921.77
	11/21/01	3,974.55	-	52.82	0.00	3,921.73
	02/13/02	3,974.55	-	52.85	0.00	3,921.70
	06/12/02	3,974.55	-	52.83	0.00	3,921.72
	08/26/02	3,974.55	-	52.83	0.00	3,921.72
	11/21/02	3,974.55	-	52.89	0.00	3,921.66
MW - 13	03/02/00	3,975.00	-	53.77	0.00	3,921.23
	04/25/00	3,975.00	-	53.85	0.00	3,921.15
	09/06/00	3,975.00	-	53.90	0.00	3,921.10
	11/28/00	3,975.00	-	53.91	0.00	3,921.09
	02/21/01	3,975.00	-	53.80	0.00	3,921.20
	05/31/01	3,975.00	-	53.72	0.00	3,921.28
	08/23/01	3,975.00	-	53.76	0.00	3,921.24
	11/21/01	3,975.00	-	53.83	0.00	3,921.17
	02/13/02	3,975.00	-	53.86	0.00	3,921.14
	06/12/02	3,975.00	-	53.81	0.00	3,921.19
	08/26/02	3,975.00	-	53.82	0.00	3,921.18
	11/21/02	3,975.00	-	53.89	0.00	3,921.11
MW - 14	03/02/00	3,976.15	-	54.49	0.00	3,921.66
	04/25/00	3,976.15	-	54.55	0.00	3,921.60
	09/06/00	3,976.15	-	54.61	0.00	3,921.54
	11/28/00	3,976.15	-	54.61	0.00	3,921.54
	02/21/01	3,976.15	-	54.44	0.00	3,921.71
	05/31/01	3,976.15	-	54.45	0.00	3,921.70
	08/23/01	3,976.15	-	54.47	0.00	3,921.68
	11/21/01	3,976.15	-	54.50	0.00	3,921.65
	02/13/02	3,976.15	-	54.55	0.00	3,921.60
	06/12/02	3,976.15	-	54.52	0.00	3,921.63
	08/26/02	3,976.15	-	54.53	0.00	3,921.62
	11/21/02	3,976.15	-	54.57	0.00	3,921.58

TABLE 1
GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2016

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 15	03/02/00	3,974.69	-	53.31	0.00	3,921.38
	04/25/00	3,974.69	-	53.39	0.00	3,921.30
	09/06/00	3,974.69	-	53.45	0.00	3,921.24
	11/28/00	3,974.69	-	53.45	0.00	3,921.24
	02/21/01	3,974.69	-	53.35	0.00	3,921.34
	05/31/01	3,974.69	-	53.25	0.00	3,921.44
	08/23/01	3,974.69	-	53.32	0.00	3,921.37
	11/21/01	3,974.69	-	53.46	0.00	3,921.23
	02/13/02	3,974.69	-	53.39	0.00	3,921.30
	06/12/02	3,974.69	-	53.36	0.00	3,921.33
	08/26/02	3,974.69	-	53.45	0.00	3,921.24
	11/21/02	3,974.69	-	53.42	0.00	3,921.27
RW - 1	11/08/02	3970.79	48.44	51.55	3.11	3921.88
	11/21/02	3970.79	49.01	49.04	0.03	3921.78
	12/27/02	3970.79	48.48	51.37	2.89	3921.88

*** Could not gauge due to unknown obstruction in MW.

TABLE 2
GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
TNM 97-04
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2016

All Concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 1	03/02/00	<0.001	<0.001	<0.001	<0.001
	04/05/00	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001
	05/31/01	<0.001	<0.001	<0.001	<0.001
	08/23/01	<0.001	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001
	02/13/02	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001
	08/26/02	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001
MW-7	03/02/00	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001
	02/21/01	0.005	<0.001	<0.001	0.039
	05/31/01	0.033	0.015	<0.001	0.100
	08/23/01	0.009	0.002	<0.001	0.078
	11/21/01	0.007	0.002	<0.001	0.059
	02/13/02	0.004	<0.001	<0.001	0.044
	06/12/02	0.002	<0.001	<0.001	0.010
	08/26/02	0.001	<0.001	0.012	0.014
	11/21/02	<0.001	<0.001	<0.001	0.003
MW-8	03/02/00	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001
	05/31/01	<0.001	<0.001	<0.001	<0.001
	08/23/01	<0.001	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001
	02/13/02	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001
	08/26/02	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001

TABLE 2
GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
TNM 97-04
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2016

All Concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW-10	03/02/00	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001
	05/31/01	<0.001	<0.001	<0.001	<0.001
	08/23/01	<0.001	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001
	02/13/02	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001
	08/26/02	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001
MW-11	03/02/00	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001
	05/31/01	0.015	<0.001	<0.001	<0.001
	08/23/01	0.005	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001
	02/13/02	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001
	08/26/02	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001
MW-12	03/02/00	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001
	05/31/01	<0.001	<0.001	<0.001	<0.001
	08/23/01	<0.001	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001
	02/13/02	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001
	08/26/02	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001

TABLE 2
GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
TNM 97-04
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2016

All Concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW-13	03/02/00	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001
	11/28/00	0.004	<0.001	<0.001	<0.001
	02/21/01	<0.001	<0.001	<0.001	<0.001
	05/31/01	<0.001	<0.001	<0.001	<0.001
	08/23/01	<0.001	<0.001	<0.001	<0.001
	11/21/01	<0.001	<0.001	<0.001	<0.001
	02/13/02	0.007	<0.001	<0.001	<0.001
	06/12/02	0.115	<0.001	<0.001	0.013
	08/26/02	0.046	<0.001	<0.001	0.024
	11/21/02	0.010	<0.001	<0.001	0.045
MW-14	03/02/00	0.141	0.032	0.056	0.046
	04/25/00	0.368	0.045	0.106	0.078
	09/06/00	0.609	0.015	0.124	0.044
	11/28/00	0.691	0.022	0.107	0.072
	02/21/01	0.921	0.061	0.194	0.202
	05/31/01	1.03	0.223	0.172	0.339
	08/23/01	1.78	0.865	0.315	0.726
	11/21/01	0.623	0.301	0.131	0.230
	02/13/02	0.572	0.414	0.142	0.306
	06/12/02	0.718	0.470	0.144	0.274
	08/26/02	0.606	0.355	0.147	0.277
	11/21/02	0.850	0.666	0.178	0.525
MW-15	03/02/00	<0.001	<0.001	<0.001	<0.001
	04/25/00	0.649	<0.001	<0.001	0.027
	09/06/00	0.010	<0.001	0.003	0.024
	11/28/00	1.38	<0.010	<0.010	0.031
	02/21/01	2.87	<0.010	0.011	0.058
	05/31/01	3.83	<0.001	0.049	0.101
	08/23/01	4.60	0.001	0.077	0.084
	11/21/01	4.00	0.012	0.117	0.123
	02/13/02	2.91	0.020	0.128	0.123
	06/12/02	5.43	0.004	0.216	0.089
EB - 1	08/26/02	4.59	0.002	0.183	0.053
	11/21/02	8.13	0.002	0.384	0.009
	02/13/02	<0.001	<0.001	<0.001	<0.001
	06/12/02	<0.001	<0.001	<0.001	<0.001
	08/26/02	<0.001	<0.001	<0.001	<0.001
	11/21/02	<0.001	<0.001	<0.001	<0.001

CONCENTRATIONS OF METALS IN GROUND WATER

All water concentrations are in mg/L

[illegible]

TABLE 2 (CONTINUED)

CONCENTRATIONS OF SEMI-VOLATILES IN GROUNDWATER

EOTT ENERGY, LLC
TNM 97-04
LEA COUNTY, NEW MEXICO
ETGI Project # EO2016

All water concentrations are in $\mu\text{g/L}$

SAMPLE LOCATION	SAMPLE DATE	SAMPLE TYPE	EPA SW846-8270C, 3510															
			Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
MW - 1	11/21/02	WATER	0.06	0.07	0.122	0.089	0.103	0.091	0.101	0.101	0.061	0.102	0.126	0.09	0.086	<0.05	0.111	0.106
MW - 7	11/21/02	WATER	0.054	<0.05	0.076	0.052	0.055	<0.05	<0.05	<0.05	<0.05	0.054	0.083	0.175	<0.05	2.68	0.127	0.072
MW - 8	11/21/02	WATER	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 10	11/21/02	WATER	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 11	11/21/02	WATER	0.089	0.094	0.182	0.125	0.12	0.126	0.108	0.145	0.08	0.105	0.19	0.149	0.111	<0.05	0.168	0.156
MW - 12	11/21/02	WATER	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 13	11/21/02	WATER	0.075	0.054	0.065	<0.05	<0.05	<0.05	<0.05	0.054	<0.05	<0.05	0.068	0.373	<0.05	12.4	0.323	0.061
MW - 14	11/21/02	WATER	0.074	0.159	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.704	<0.05	14.1	0.641	<0.05
MW - 15	11/21/02	WATER	0.179	<0.05	<0.05	0.089	<0.05	0.105	<0.05	0.15	0.081	<0.05	0.154	0.662	<0.05	21.3	0.564	0.145
MW - 16	01/10/03	WATER	<0.05	<0.05	0.05	0.064	0.062	0.058	0.059	0.068	0.061	<0.05	0.096	0.069	<0.05	0.055	0.081	0.094
MW - 17	01/10/03	WATER	0.07	0.079	2.48	3.25	3.52	2.74	3.13	3.34	3.2	2.37	3.05	0.648	2.43	0.078	1.77	3.41

APPENDICES

Appendix A
Laboratory Reports



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#: 125719

Report Date: 02/22/02

Project ID: TNM 97-04 EOT 2016C

Sample Name: MW 1

Sample Matrix: water

Date Received: 02/19/2002

Time: 09:53

Date Sampled: 02/13/2002

Time: 13:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/20/02	8260b	---	2	89.7	90.3	85.8
Ethylbenzene	<1	µg/L	1	<1	02/20/02	8260b	---	1.5	95.9	96.6	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/20/02	8260b	J	2.2	95.9	97.5	98.8
o-Xylene	<1	µg/L	1	<1	02/20/02	8260b	---	1.6	95.9	96.8	102.7
Toluene	<1	µg/L	1	<1	02/20/02	8260b	---	3.9	95.7	98.8	91

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

Respectfully Submitted,

Richard Laster

Richard Laster

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



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

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 1

Report#/Lab ID#: 125719
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.7	80-120	---
Toluene-d8	8260b	99.3	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125719 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C

Sample Name: MW 1

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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:



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#: 125720 **Report Date:** 02/22/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 7
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:53
Date Sampled: 02/13/2002 **Time:** 12:02

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/20/02	8260b	---	---	---	---	---
Benzene	3.73	µg/L	1	<1	02/20/02	8260b	---	2	89.7	90.3	85.8
Ethylbenzene	<1	µg/L	1	<1	02/20/02	8260b	---	1.5	95.9	96.6	100.7
m,p-Xylenes	16.8	µg/L	1	<1	02/20/02	8260b	---	2.2	95.9	97.5	98.8
o-Xylene	26.8	µg/L	1	<1	02/20/02	8260b	---	1.6	95.9	96.8	102.7
Toluene	<1	µg/L	1	<1	02/20/02	8260b	J	3.9	95.7	98.8	91

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

Respectfully Submitted,
Richard Laster
Richard Laster

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



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

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 7

Report#/Lab ID#: 125720
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.9	80-120	---
Toluene-d8	8260b	98.6	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125720 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 7

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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:



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#: 125721 Report Date: 02/22/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 8
Sample Matrix: water
Date Received: 02/19/2002 Time: 09:53
Date Sampled: 02/13/2002 Time: 12:18

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/20/02	8260b	---	2	89.7	90.3	85.8
Ethylbenzene	<1	µg/L	1	<1	02/20/02	8260b	---	1.5	95.9	96.6	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/20/02	8260b	J	2.2	95.9	97.5	98.8
o-Xylene	<1	µg/L	1	<1	02/20/02	8260b	---	1.6	95.9	96.8	102.7
Toluene	<1	µg/L	1	<1	02/20/02	8260b	---	3.9	95.7	98.8	91

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Respectfully Submitted,
Richard Laster
Richard Laster

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

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 8

Report#/Lab ID#: 125721
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	97.9	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125721 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C

Sample Name: MW 8

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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:



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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#: 125722 Report Date: 02/22/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 10
Sample Matrix: water
Date Received: 02/19/2002 Time: 09:53
Date Sampled: 02/13/2002 Time: 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/20/02	8260b	---	2	89.7	90.3	85.8
Ethylbenzene	<1	µg/L	1	<1	02/20/02	8260b	---	1.5	95.9	96.6	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/20/02	8260b	---	2.2	95.9	97.5	98.8
o-Xylene	<1	µg/L	1	<1	02/20/02	8260b	---	1.6	95.9	96.8	102.7
Toluene	<1	µg/L	1	<1	02/20/02	8260b	---	3.9	95.7	98.8	91

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Respectfully Submitted,
Richard Laster
Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 10

Report#/Lab ID#: 125722
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.5	80-120	---
Toluene-d8	8260b	98.7	88-110	---

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



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Address: 2540 W. Marland
Hobbs Nm 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 125723 Report Date: 02/22/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 11
Sample Matrix: water
Date Received: 02/19/2002 Time: 09:53
Date Sampled: 02/13/2002 Time: 11:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/20/02	8260b	---	2	89.7	90.3	85.8
Ethylbenzene	<1	µg/L	1	<1	02/20/02	8260b	---	1.5	95.9	96.6	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/20/02	8260b	---	2.2	95.9	97.5	98.8
o-Xylene	<1	µg/L	1	<1	02/20/02	8260b	---	1.6	95.9	96.8	102.7
Toluene	<1	µg/L	1	<1	02/20/02	8260b	---	3.9	95.7	98.8	91

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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 11

Report#/Lab ID#: 125723
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.6	80-120	---
Toluene-d8	8260b	99.2	88-110	---

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



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Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 125724 Report Date: 02/22/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 12
Sample Matrix: water
Date Received: 02/19/2002 Time: 09:53
Date Sampled: 02/13/2002 Time: 12:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/20/02	8260b	---	2	89.7	90.3	85.8
Ethylbenzene	<1	µg/L	1	<1	02/20/02	8260b	---	1.5	95.9	96.6	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/20/02	8260b	---	2.2	95.9	97.5	98.8
o-Xylene	<1	µg/L	1	<1	02/20/02	8260b	---	1.6	95.9	96.8	102.7
Toluene	<1	µg/L	1	<1	02/20/02	8260b	---	3.9	95.7	98.8	91

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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 12

Report#/Lab ID#: 125724
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.4	80-120	---
Toluene-d8	8260b	98.5	88-110	---

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



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 125725 Report Date: 02/22/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 13
Sample Matrix: water
Date Received: 02/19/2002 Time: 09:53
Date Sampled: 02/13/2002 Time: 11:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/20/02	8260b	---	---	---	---	---
Benzene	6.91	µg/L	1	<1	02/20/02	8260b	---	2	89.7	90.3	85.8
Ethylbenzene	<1	µg/L	1	<1	02/20/02	8260b	---	1.5	95.9	96.6	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/20/02	8260b	J	2.2	95.9	97.5	98.8
o-Xylene	<1	µg/L	1	<1	02/20/02	8260b	---	1.6	95.9	96.8	102.7
Toluene	<1	µg/L	1	<1	02/20/02	8260b	---	3.9	95.7	98.8	91

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Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 13

Report#/Lab ID#: 125725
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.4	80-120	---
Toluene-d8	8260b	97.9	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125725 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 13

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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:



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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#: 125726 **Report Date:** 02/22/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 14
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:53
Date Sampled: 02/13/2002 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	572	µg/L	10	<10	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	142	µg/L	10	<10	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	213	µg/L	10	<10	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	92.9	µg/L	10	<10	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	414	µg/L	10	<10	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 14

Report#/Lab ID#: 125726
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	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: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240
Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 125727 **Report Date:** 02/22/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 15
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:53
Date Sampled: 02/13/2002 **Time:** 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	2910	µg/L	100	<100	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	128	µg/L	10	<10	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	62.9	µg/L	10	<10	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	60.3	µg/L	10	<10	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	19.6	µg/L	10	<10	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 15

Report#/Lab ID#: 125727
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	100	88-110	---

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



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#: 125728 Report Date: 02/22/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: EB 1
Sample Matrix: water
Date Received: 02/19/2002 Time: 09:53
Date Sampled: 02/13/2002 Time: 14:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	J	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: EB 1

Report#/Lab ID#: 125728
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.6	80-120	---
Toluene-d8	8260b	98.5	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125728 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C

Sample Name: EB 1

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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:

CHAIN-OF-CUSTODY

Send Reports To:

Company Name ETGI
Address 2540 W MARLAND
City HOBBS State NM Zip 88240
ATTN: KEN DUTTON
Phone (505) 397-4182 Fax (505) 397-4701

Bill to (if different):

Company Name EOI
Address _____
City _____ State _____ Zip _____
ATTN: _____
Phone _____ Fax _____

COC: 020
ANALYSYS
INC.

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

Rush Status (must be confirmed with lab mgr.): _____
Project Name/PO#: TNM 97-04 Sampler: Simon Casas
EDT-2016C

Analyses Requested (1)

Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soll	Water	Waste	Lab I.D. # (Lab only)	Comments									
<u>MW 1</u>	<u>2-13-02</u>	<u>1345</u>	<u>2</u>		<u>X</u>		<u>125719</u>	<u>X</u>									
<u>MW 7</u>		<u>1202</u>					<u>125720</u>										
<u>MW 8</u>		<u>1218</u>					<u>125721</u>										
<u>MW 10</u>		<u>1300</u>					<u>125722</u>										
<u>MW 11</u>		<u>1115</u>					<u>125723</u>										
<u>MW 12</u>		<u>1240</u>					<u>125724</u>										
<u>MW 13</u>		<u>1145</u>					<u>125725</u>										
<u>MW 14</u>		<u>1000</u>					<u>125726</u>										
<u>MW 15</u>		<u>1130</u>					<u>125727</u>										
<u>EBI</u>	<u>✓</u>	<u>1400</u>	<u>✓</u>		<u>✓</u>		<u>125728</u>	<u>✓</u>									

(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 ISI 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
<u>Simon Casas</u>	<u>ETGI</u>	<u>2-18-02</u>	<u>1500</u>	<u>Melanie Humphrey</u>	<u>ASI</u>	<u>2/19/02</u>	<u>09:53</u>

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

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#: 130742 **Report Date:** 06/28/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 1
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/12/2002 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/25/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/25/02	8260b	---	6.6	84.9	83.1	85.1
Ethylbenzene	<1	µg/L	1	<1	06/25/02	8260b	---	0.8	120.4	119	136.8
m,p-Xylenes	<1	µg/L	1	<1	06/25/02	8260b	---	2	113.6	111.4	124.7
o-Xylene	<1	µg/L	1	<1	06/25/02	8260b	---	2.4	110.9	106.8	117.1
Toluene	<1	µg/L	1	<1	06/25/02	8260b	---	0.4	84.7	83.3	81.1

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 1

Report#/Lab ID#: 130742
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.9	80-120	---
Toluene-d8	8260b	98.8	88-110	---

Data 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#: 130743 Report Date: 06/28/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 7
Sample Matrix: water
Date Received: 06/21/2002 Time: 09:40
Date Sampled: 06/12/2002 Time: 09:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/25/02	8260b	---	---	---	---	---
Benzene	1.97	µg/L	1	<1	06/25/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/25/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	9.05	µg/L	1	<1	06/25/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	1.19	µg/L	1	<1	06/25/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/25/02	8260b	J	3.2	91.7	105.3	93.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: TNM 97-04 EOT 2016C Sample Name: MW 7	Report#/Lab ID#: 130743 Sample Matrix: water
--------------------------------------------------------------------	--------------------------------------------------------------------	---------------------------------------------------------------

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	118	80-120	---
Toluene-d8	8260b	103	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 130743 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 7

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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:



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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#: 130744 Report Date: 06/28/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 8
Sample Matrix: water
Date Received: 06/21/2002 Time: 09:40
Date Sampled: 06/12/2002 Time: 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/25/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/25/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/25/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/25/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/25/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/25/02	8260b	---	3.2	91.7	105.3	93.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 8

Report#/Lab ID#: 130744
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.9	80-120	---
Toluene-d8	8260b	108	88-110	---

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



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

Report#/Lab ID#: 130745 Report Date: 06/28/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 10
Sample Matrix: water
Date Received: 06/21/2002 Time: 09:40
Date Sampled: 06/12/2002 Time: 10:19

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/25/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/25/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/25/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/25/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/25/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/25/02	8260b	---	3.2	91.7	105.3	93.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 10

Report#/Lab ID#: 130745
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.4	80-120	---
Toluene-d8	8260b	99.5	88-110	---

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



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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#: 130746 Report Date: 06/28/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 11
Sample Matrix: water
Date Received: 06/21/2002 Time: 09:40
Date Sampled: 06/12/2002 Time: 11:19

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/25/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/25/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/25/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/25/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/25/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/25/02	8260b	---	3.2	91.7	105.3	93.3

QUALITY ASSURANCE DATA¹

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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.



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

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 11

Report#/Lab ID#: 130746
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93	80-120	---
Toluene-d8	8260b	104	88-110	---

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



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

Report#/Lab ID#: 130747 **Report Date:** 06/28/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 12
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/12/2002 **Time:** 10:41

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/25/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/25/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/25/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/25/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/25/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/25/02	8260b	---	3.2	91.7	105.3	93.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group	Project ID: TNM 97-04 EOT 2016C	Report#/Lab ID#: 130747
Attn: Ken Dutton	Sample Name: MW 12	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.2	80-120	---
Toluene-d8	8260b	108	88-110	---

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



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

Report#/Lab ID#: 130748 Report Date: 06/28/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 13
Sample Matrix: water
Date Received: 06/21/2002 Time: 09:40
Date Sampled: 06/12/2002 Time: 11:37

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/25/02	8260b	---	---	---	---	---
Benzene	115	µg/L	1	<1	06/25/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/25/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	13	µg/L	1	<1	06/25/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/25/02	8260b	J	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/25/02	8260b	---	3.2	91.7	105.3	93.3

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 13

Report#/Lab ID#: 130748
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.5	80-120	---
Toluene-d8	8260b	101	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 130748 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 13

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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
o-Xylene	J	See J-flag discussion above.

Notes:



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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#: 130749 Report Date: 06/28/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 14
Sample Matrix: water
Date Received: 06/21/2002 Time: 09:40
Date Sampled: 06/12/2002 Time: 12:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	718	µg/L	10	<10	06/26/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	144	µg/L	10	<10	06/26/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	187	µg/L	10	<10	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	86.7	µg/L	10	<10	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	470	µg/L	10	<10	06/26/02	8260b	---	3.2	91.7	105.3	93.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 14

Report#/Lab ID#: 130749
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	118	80-120	---
Toluene-d8	8260b	102	88-110	---

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



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

Report#/Lab ID#: 130750 Report Date: 06/28/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: MW 15
Sample Matrix: water
Date Received: 06/21/2002 Time: 09:40
Date Sampled: 06/12/2002 Time: 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	5430	µg/L	100	<100	06/26/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	216	µg/L	1	<1	06/26/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	32.2	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	56.9	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	4.17	µg/L	1	<1	06/26/02	8260b	---	3.2	91.7	105.3	93.3

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Richard Laster

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Client: Environmental Tech Group	Project ID: TNM 97-04 EOT 2016C	Report#/Lab ID#: 130750
Attn: Ken Dutton	Sample Name: MW 15	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	115	80-120	---
Toluene-d8	8260b	106	88-110	---

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



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

Report#/Lab ID#: 130751 **Report Date:** 06/28/02
Project ID: TNM 97-04 EOT 2016C
Sample Name: EB 1
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/12/2002 **Time:** 12:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	3.2	91.7	105.3	93.3

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Respectfully Submitted,
Richard Laster
Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EOT 2016C
Sample Name: EB 1

Report#/Lab ID#: 130751
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	105	88-110	---

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

CHAIN-OF-CUSTODY

Send Reports To:

Company Name ETGI

Address 2540 W MARLAND

City HOUSTON State NM Zip 88240

ATTN: KEN DUTTON

Phone (505) 297-4022 Fax (505) 297-4701

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

Project Name/PO#: TNM 97-04 Sampler: Simon Casas

EOT 20/60

Bill to (if different):

Company Name EOT

Address

City State Zip

ATTN:

Phone Fax

ANALYSIS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78711

Phone: (512) 441-5806

Fax: (512) 447-4766

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)	Comments									
MW 1	6-12-02	1100	2		X		130742	X									
MW 7		0930					130743										
MW 8		1000					130744										
MW 10		1019					130745										
MW 11		1119					130746										
MW 12		1041					130747										
MW 13		1137					130748										
MW 14		1220					130749										
MW 15		1200					130750										
EB 1	✓	1240	✓		✓		130751	✓									

(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 in accordance with the limits (MDL/POI). 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 the list of parameters on ASI's HSE 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	6/20/02	1400	Melanie Humphrey	ASI	6/21/02	0940

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



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#: 133283 Report Date: 09/11/02
Project ID: TNM 97-04 E0 2016C
Sample Name: MW-1
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/26/2002 Time: 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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Richard Laster
Richard Laster

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

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: TNM 97-04 E0 2016C Sample Name: MW-1	Report#/Lab ID#: 133283 Sample Matrix: water
--------------------------------------------------------------------	-------------------------------------------------------------------	---------------------------------------------------------------

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.7	80-120	---
Toluene-d8	8260b	102	88-110	---

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



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Client: Environmental Tech Group
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Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133284 Report Date: 09/11/02
Project ID: TNM 97-04 E0 2016C
Sample Name: MW-7
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/26/2002 Time: 10:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/07/02	8260b	---	---	---	---	---
Benzene	1.01	µg/L	1	<1	09/07/02	8260b	---	1.4	71.1	88	84.8
Ethylbenzene	11.8	µg/L	1	<1	09/07/02	8260b	---	0.8	104.3	99.1	101.2
m,p-Xylenes	14.1	µg/L	1	<1	09/07/02	8260b	---	4.3	107.4	99.2	96.3
o-Xylene	<1	µg/L	1	<1	09/07/02	8260b	---	3.2	110.9	102	96.2
Toluene	<1	µg/L	1	<1	09/07/02	8260b	J	0.2	92	92.7	86.9

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Respectfully Submitted,
Richard Laster
Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 E0 2016C
Sample Name: MW-7

Report#/Lab ID#: 133284
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.

Exceptions Report:

Report #/Lab ID#: 133284 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: TNM 97-04 E0 2016C
Sample Name: MW-7

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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:



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Report#/Lab ID#: 133285 Report Date: 09/11/02
Project ID: TNM 97-04 E0 2016C
Sample Name: MW-8
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/26/2002 Time: 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/07/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/07/02	8260b	---	1.4	71.1	88	84.8
Ethylbenzene	<1	µg/L	1	<1	09/07/02	8260b	---	0.8	104.3	99.1	101.2
m,p-Xylenes	<1	µg/L	1	<1	09/07/02	8260b	---	4.3	107.4	99.2	96.3
o-Xylene	<1	µg/L	1	<1	09/07/02	8260b	---	3.2	110.9	102	96.2
Toluene	<1	µg/L	1	<1	09/07/02	8260b	---	0.2	92	92.7	86.9

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Respectfully Submitted,
Richard Laster
Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: TNM 97-04 E0 2016C Sample Name: MW-8	Report#/Lab ID#: 133285 Sample Matrix: water
--------------------------------------------------------------------	-------------------------------------------------------------------	---------------------------------------------------------------

REPORT OF SURROGATE RECOVERY

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

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



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Report#/Lab ID#: 133292 Report Date: 09/11/02
Project ID: TNM 97-04 E0 2016C
Sample Name: MW-10
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/26/2002 Time: 10:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/07/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/07/02	8260b	---	1.4	71.1	88	84.8
Ethylbenzene	<1	µg/L	1	<1	09/07/02	8260b	---	0.8	104.3	99.1	101.2
m,p-Xylenes	<1	µg/L	1	<1	09/07/02	8260b	---	4.3	107.4	99.2	96.3
o-Xylene	<1	µg/L	1	<1	09/07/02	8260b	---	3.2	110.9	102	96.2
Toluene	<1	µg/L	1	<1	09/07/02	8260b	---	0.2	92	92.7	86.9

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Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: TNM 97-04 E0 2016C Sample Name: MW-10	Report#/Lab ID#: 133292 Sample Matrix: water
--------------------------------------------------------------------	--------------------------------------------------------------------	---------------------------------------------------------------

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	80-120	---
Toluene-d8	8260b	102	88-110	---

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



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Report#/Lab ID#: 133286 Report Date: 09/11/02
Project ID: TNM 97-04 E0 2016C
Sample Name: MW-11
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/26/2002 Time: 12:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/07/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/07/02	8260b	---	1.4	71.1	88	84.8
Ethylbenzene	<1	µg/L	1	<1	09/07/02	8260b	---	0.8	104.3	99.1	101.2
m,p-Xylenes	<1	µg/L	1	<1	09/07/02	8260b	---	4.3	107.4	99.2	96.3
o-Xylene	<1	µg/L	1	<1	09/07/02	8260b	---	3.2	110.9	102	96.2
Toluene	<1	µg/L	1	<1	09/07/02	8260b	---	0.2	92	92.7	86.9

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: TNM 97-04 E0 2016C Sample Name: MW-11	Report#/Lab ID#: 133286 Sample Matrix: water
--------------------------------------------------------------------	--------------------------------------------------------------------	---------------------------------------------------------------

REPORT OF SURROGATE RECOVERY

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

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



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Report#/Lab ID#: 133287 Report Date: 09/11/02
Project ID: TNM 97-04 E0 2016C
Sample Name: MW-12
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/26/2002 Time: 11:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/07/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/07/02	8260b	---	1.4	71.1	88	84.8
Ethylbenzene	<1	µg/L	1	<1	09/07/02	8260b	---	0.8	104.3	99.1	101.2
m,p-Xylenes	<1	µg/L	1	<1	09/07/02	8260b	---	4.3	107.4	99.2	96.3
o-Xylene	<1	µg/L	1	<1	09/07/02	8260b	---	3.2	110.9	102	96.2
Toluene	<1	µg/L	1	<1	09/07/02	8260b	---	0.2	92	92.7	86.9

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Client: Environmental Tech Group	Project ID: TNM 97-04 E0 2016C	Report#/Lab ID#: 133287
Attn: Ken Dutton	Sample Name: MW-12	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	100	88-110	---

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



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Report#/Lab ID#: 133288 Report Date: 09/11/02
Project ID: TNM 97-04 E0 2016C
Sample Name: MW-13
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/26/2002 Time: 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/07/02	8260b	---	---	---	---	---
Benzene	45.5	µg/L	1	<1	09/07/02	8260b	---	1.4	71.1	88	84.8
Ethylbenzene	<1	µg/L	1	<1	09/07/02	8260b	---	0.8	104.3	99.1	101.2
m,p-Xylenes	24.4	µg/L	1	<1	09/07/02	8260b	---	4.3	107.4	99.2	96.3
o-Xylene	<1	µg/L	1	<1	09/07/02	8260b	---	3.2	110.9	102	96.2
Toluene	<1	µg/L	1	<1	09/07/02	8260b	---	0.2	92	92.7	86.9

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Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 E0 2016C
Sample Name: MW-13

Report#/Lab ID#: 133288
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	119	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
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Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133289 Report Date: 09/11/02
Project ID: TNM 97-04 E0 2016C
Sample Name: MW-14
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/26/2002 Time: 13:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/07/02	8260b	---	---	---	---	---
Benzene	606	µg/L	10	<10	09/07/02	8260b	---	1.4	71.1	88	84.8
Ethylbenzene	147	µg/L	10	<10	09/07/02	8260b	---	0.8	104.3	99.1	101.2
m,p-Xylenes	188	µg/L	10	<10	09/07/02	8260b	---	4.3	107.4	99.2	96.3
o-Xylene	89.3	µg/L	10	<10	09/07/02	8260b	---	3.2	110.9	102	96.2
Toluene	355	µg/L	10	<10	09/07/02	8260b	---	0.2	92	92.7	86.9

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: TNM 97-04 E0 2016C Sample Name: MW-14	Report#/Lab ID#: 133289 Sample Matrix: water
--------------------------------------------------------------------	--------------------------------------------------------------------	---------------------------------------------------------------

REPORT OF SURROGATE RECOVERY

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

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



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Client: Environmental Tech Group
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Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133290 Report Date: 09/11/02
Project ID: TNM 97-04 E0 2016C
Sample Name: MW-15
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/26/2002 Time: 13:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/07/02	8260b	---	---	---	---	---
Benzene	4590	µg/L	100	<100	09/07/02	8260b	---	1.4	71.1	88	84.8
Ethylbenzene	183	µg/L	1	<1	09/07/02	8260b	---	0.8	104.3	99.1	101.2
m,p-Xylenes	23.4	µg/L	1	<1	09/07/02	8260b	---	4.3	107.4	99.2	96.3
o-Xylene	29.7	µg/L	1	<1	09/07/02	8260b	---	3.2	110.9	102	96.2
Toluene	1.65	µg/L	1	<1	09/07/02	8260b	---	0.2	92	92.7	86.9

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

Respectfully Submitted,
Richard Laster
Richard Laster

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



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

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: TNM 97-04 E0 2016C Sample Name: MW-15	Report#/Lab ID#: 133290 Sample Matrix: water
------------------------------------------------------	------------------------------------------------------	-------------------------------------------------

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	114	80-120	---
Toluene-d8	8260b	99.3	88-110	---

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



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

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

Report#/Lab ID#: 133291 **Report Date:** 09/11/02
Project ID: TNM 97-04 E0 2016C
Sample Name: EB 1
Sample Matrix: water
Date Received: 09/04/2002 **Time:** 09:45
Date Sampled: 08/26/2002 **Time:** 13:35

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/07/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/07/02	8260b	---	1.4	71.1	88	84.8
Ethylbenzene	<1	µg/L	1	<1	09/07/02	8260b	---	0.8	104.3	99.1	101.2
m,p-Xylenes	<1	µg/L	1	<1	09/07/02	8260b	---	4.3	107.4	99.2	96.3
o-Xylene	<1	µg/L	1	<1	09/07/02	8260b	---	3.2	110.9	102	96.2
Toluene	<1	µg/L	1	<1	09/07/02	8260b	---	0.2	92	92.7	86.9

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Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 E0 2016C
Sample Name: EB 1

Report#/Lab ID#: 133291
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	118	80-120	---
Toluene-d8	8260b	101	88-110	---

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

QUALYS

Bill to (if different):

Company Name EOT

Address _____

City _____ State _____ Zip _____

ATTN: _____

Phone _____ Fax _____

4221 Freidrich Lane, Suite 190, Austin TX 78711

Phone (512) 444-5896

Fax (512) 447-1766

Analyses Requested (1)

Please attach explanatory information as required

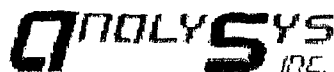
[illegible]

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 on the appropriate limit (MHL, PEL) 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's default is FID. If GC/MS is requested, ASI's HPL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 2.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Das	ETGI	9/3/02	1500	William Humphrey	ASI	9/4/02	094

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



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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#: 136769 Report Date: 12/16/02
Project ID: TNM 97-04 EO 2016
Sample Name: MW 1
Sample Matrix: water
Date Received: 11/25/2002 Time: 08:00
Date Sampled: 11/21/2002 Time: 08:55

REPORT OF ANALYSIS

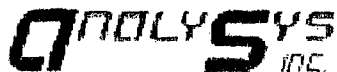
QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	11/27/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	11/27/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	11/26/02	3015	---	---	---	---	---
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	---	0.87	104.49	100.48	105.18
Barium/ICP	0.149	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	---	3.58	101.99	98.26	101.76
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	12/11/02	6010 & 200.7	---	1.08	105.39	102	106.91
Chromium/ICP	<0.01	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	J	1.45	99.71	97.8	106.16
Lead/ICP	<0.02	mg/L	0.02	<0.02	12/11/02	6010 & 200.7	---	1.19	103.64	99.4	107.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	11/27/02	245.1&7470	---	4.44	88.89	92	102.67
Selenium/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	J	0.95	104.18	100.16	105.65
Silver/GFAA	<0.002	mg/L	0.002	<0.002	11/27/02	272.2&7761	---	1.68	108.26	92.5	119
Extractable organics-PAH	---	---	---	---	12/12/02	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	11/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/27/02	8260b	J	1.9	72	94.2	78.7
Ethylbenzene	<1	µg/L	1	<1	11/27/02	8260b	J	2.1	113.1	110.3	111.5
m,p-Xylenes	<1	µg/L	1	<1	11/27/02	8260b	---	1.7	110.7	104.4	106.5
o-Xylene	<1	µg/L	1	<1	11/27/02	8260b	---	0.6	116.1	109.4	113.5
Toluene	<1	µg/L	1	<1	11/27/02	8260b	---	0.2	96.1	104.8	99.8
Acenaphthene	0.06	µg/L	0.05	<0.05	12/12/02	8270c	---	1.2	63.3	104.4	66.2
Acenaphthylene	0.07	µg/L	0.05	<0.05	12/12/02	8270c	---	0.4	71.2	112.6	76.6
Anthracene	0.122	µg/L	0.05	<0.05	12/12/02	8270c	---	8.3	77.4	111.2	73.4

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Richard Laster

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

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016
Sample Name: MW 1

Report#/Lab ID#: 136769
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Benzo[a]anthracene	0.089	µg/L	0.05	<0.05	12/12/02	8270c	---	9	85.4	101.1	80.8
Benzo[a]pyrene	0.103	µg/L	0.05	<0.05	12/12/02	8270c	---	15.3	80.6	104.9	74.9
Benzo[b]fluoranthene	0.091	µg/L	0.05	<0.05	12/12/02	8270c	---	25	87	108.2	73.4
Benzo[g,h,i]perylene	0.101	µg/L	0.05	<0.05	12/12/02	8270c	---	16.4	74.8	88.6	71.1
Benzo[j,k]fluoranthene	0.101	µg/L	0.05	<0.05	12/12/02	8270c	---	6	76.6	102.2	71.9
Chrysene	0.061	µg/L	0.05	<0.05	12/12/02	8270c	---	10.2	84.9	99.1	84.9
Dibenz[a,h]anthracene	0.102	µg/L	0.05	<0.05	12/12/02	8270c	---	16.9	79.3	93.1	70.7
Fluoranthene	0.126	µg/L	0.05	<0.05	12/12/02	8270c	---	12.4	80.2	105.6	72.5
Fluorene	0.09	µg/L	0.05	<0.05	12/12/02	8270c	---	4.6	65.6	106	62
Indeno[1,2,3-cd]pyrene	0.086	µg/L	0.05	<0.05	12/12/02	8270c	---	18.1	78.2	92.5	70.6
Naphthalene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	2.8	61.5	104.2	52.5
Phenanthrene	0.111	µg/L	0.05	<0.05	12/12/02	8270c	---	7.7	76.1	102.3	71.7
Pyrene	0.106	µg/L	0.05	<0.05	12/12/02	8270c	---	8.4	68	87.8	68.1



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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016
Sample Name: MW 1

Report#/Lab ID#: 136769
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	81	80-120	---
Toluene-d8	8260b	107	88-110	---
2-Fluorobiphenyl	8270c	47.7	43-116	---
Nitrobenzene-d5	8270c	74.5	35-114	---
Terphenyl-d14	8270c	56.3	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 136769 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: TNM 97-04 EO 2016
Sample Name: MW 1

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

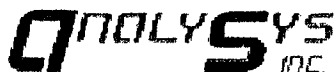
J flag Discussion:

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
Chromium/ICP	J	See J-flag discussion above.
Selenium/ICP	J	See J-flag discussion above.
Benzene	J	See J-flag discussion above.
Ethylbenzene	J	See J-flag discussion above.
Naphthalene	J	See J-flag discussion above.

Notes:



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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#: 136770 Report Date: 12/16/02
Project ID: TNM 97-04 EO 2016
Sample Name: MW 7
Sample Matrix: water
Date Received: 11/25/2002 Time: 08:00
Date Sampled: 11/21/2002 Time: 12:18

REPORT OF ANALYSIS

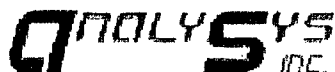
QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	11/27/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	11/27/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	11/26/02	3015	---	---	---	---	---
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	---	0.87	104.49	100.48	105.18
Barium/ICP	0.0815	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	---	3.58	101.99	98.26	101.76
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	12/11/02	6010 & 200.7	---	1.08	105.39	102	106.91
Chromium/ICP	<0.01	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	---	1.45	99.71	97.8	106.16
Lead/ICP	<0.02	mg/L	0.02	<0.02	12/11/02	6010 & 200.7	---	1.19	103.64	99.4	107.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	11/27/02	245.1&7470	---	4.44	88.89	92	102.67
Selenium/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	J	0.95	104.18	100.16	105.65
Silver/GFAA	<0.002	mg/L	0.002	<0.002	11/27/02	272.2&7761	---	1.68	108.26	92.5	119
Extractable organics-PAH	---	---	---	---	12/12/02	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	11/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/27/02	8260b	J	1.9	72	94.2	78.7
Ethylbenzene	<1	µg/L	1	<1	11/27/02	8260b	---	2.1	113.1	110.3	111.5
m,p-Xylenes	2.99	µg/L	1	<1	11/27/02	8260b	---	1.7	110.7	104.4	106.5
o-Xylene	<1	µg/L	1	<1	11/27/02	8260b	---	0.6	116.1	109.4	113.5
Toluene	<1	µg/L	1	<1	11/27/02	8260b	---	0.2	96.1	104.8	99.8
Acenaphthene	0.054	µg/L	0.05	<0.05	12/12/02	8270c	---	1.2	63.3	104.4	66.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	0.4	71.2	112.6	76.6
Anthracene	0.076	µg/L	0.05	<0.05	12/12/02	8270c	---	8.3	77.4	111.2	73.4

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016
Sample Name: MW 7

Report#/Lab ID#: 136770
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Benzo[a]anthracene	0.052	µg/L	0.05	<0.05	12/12/02	8270c	---	9	85.4	101.1	80.8
Benzo[a]pyrene	0.055	µg/L	0.05	<0.05	12/12/02	8270c	---	15.3	80.6	104.9	74.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	25	87	108.2	73.4
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	16.4	74.8	88.6	71.1
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	6	76.6	102.2	71.9
Chrysene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	10.2	84.9	99.1	84.9
Dibenz[a,h]anthracene	0.054	µg/L	0.05	<0.05	12/12/02	8270c	---	16.9	79.3	93.1	70.7
Fluoranthene	0.083	µg/L	0.05	<0.05	12/12/02	8270c	---	12.4	80.2	105.6	72.5
Fluorene	0.175	µg/L	0.05	<0.05	12/12/02	8270c	---	4.6	65.6	106	62
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	18.1	78.2	92.5	70.6
Naphthalene	2.68	µg/L	0.05	<0.05	12/12/02	8270c	---	2.8	61.5	104.2	52.5
Phenanthrene	0.127	µg/L	0.05	<0.05	12/12/02	8270c	---	7.7	76.1	102.3	71.7
Pyrene	0.072	µg/L	0.05	<0.05	12/12/02	8270c	---	8.4	68	87.8	68.1



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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016
Sample Name: MW 7

Report#/Lab ID#: 136770
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1,2-Dichloroethane-d4	8260b	84.1	80-120	---
Toluene-d8	8260b	101	88-110	---
2-Fluorobiphenyl	8270c	44.6	43-116	---
Nitrobenzene-d5	8270c	61.9	35-114	---
Terphenyl-d14	8270c	52.9	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 136770 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: TNM 97-04 EO 2016
Sample Name: MW 7

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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
Selenium/ICP	J	See J-flag discussion above.
Benzene	J	See J-flag discussion above.
Acenaphthylene	J	See J-flag discussion above.
Benzo[b]fluoranthene	J	See J-flag discussion above.
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Benzo[j,k]fluoranthene	J	See J-flag discussion above.
Chrysene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes:



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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#: 136771 Report Date: 12/16/02
Project ID: TNM 97-04 EO 2016
Sample Name: MW 8
Sample Matrix: water
Date Received: 11/25/2002 Time: 08:00
Date Sampled: 11/21/2002 Time: 09:45

REPORT OF ANALYSIS

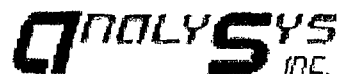
QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	11/27/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	11/27/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	11/26/02	3015	---	---	---	---	---
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	---	0.87	104.49	100.48	105.18
Barium/ICP	0.0849	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	---	3.58	101.99	98.26	101.76
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	12/11/02	6010 & 200.7	---	1.08	105.39	102	106.91
Chromium/ICP	<0.01	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	J	1.45	99.71	97.8	106.16
Lead/ICP	<0.02	mg/L	0.02	<0.02	12/11/02	6010 & 200.7	---	1.19	103.64	99.4	107.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	11/27/02	245.1&7470	---	4.44	88.89	92	102.67
Selenium/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	J	0.95	104.18	100.16	105.65
Silver/GFAA	<0.002	mg/L	0.002	<0.002	11/27/02	272.2&7761	---	1.68	108.26	92.5	119
Extractable organics-PAH	---	---	---	---	12/12/02	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	11/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/27/02	8260b	---	1.9	72	94.2	78.7
Ethylbenzene	<1	µg/L	1	<1	11/27/02	8260b	---	2.1	113.1	110.3	111.5
m,p-Xylenes	<1	µg/L	1	<1	11/27/02	8260b	---	1.7	110.7	104.4	106.5
o-Xylene	<1	µg/L	1	<1	11/27/02	8260b	---	0.6	116.1	109.4	113.5
Toluene	<1	µg/L	1	<1	11/27/02	8260b	---	0.2	96.1	104.8	99.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	1.2	63.3	104.4	66.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	0.4	71.2	112.6	76.6
Anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	8.3	77.4	111.2	73.4

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,
Richard Laster
Richard Laster

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



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Client: Environmental Tech Group
Attn: Ken Dutton

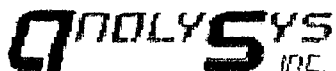
Project ID: TNM 97-04 EO 2016
Sample Name: MW 8

Report#/Lab ID#: 136771
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	9	85.4	101.1	80.8
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	15.3	80.6	104.9	74.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	25	87	108.2	73.4
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	16.4	74.8	88.6	71.1
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	6	76.6	102.2	71.9
Chrysene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	10.2	84.9	99.1	84.9
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	16.9	79.3	93.1	70.7
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	12.4	80.2	105.6	72.5
Fluorene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	4.6	65.6	106	62
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	18.1	78.2	92.5	70.6
Naphthalene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	2.8	61.5	104.2	52.5
Phenanthrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	7.7	76.1	102.3	71.7
Pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	8.4	68	87.8	68.1



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Client: Environmental Tech Group	Project ID: TNM 97-04 EO 2016	Report#/Lab ID#: 136771
Attn: Ken Dutton	Sample Name: MW 8	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90	80-120	---
Toluene-d8	8260b	98.7	88-110	---
2-Fluorobiphenyl	8270c	43.4	43-116	---
Nitrobenzene-d5	8270c	76.7	35-114	---
Terphenyl-d14	8270c	56.4	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 136771 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: TNM 97-04 EO 2016
Sample Name: MW 8

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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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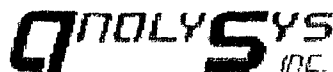
J flag Discussion:

A J flag data qualifier indicates (as required under 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
Chromium/ICP	J	See J-flag discussion above.
Selenium/ICP	J	See J-flag discussion above.

Notes:



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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#: 136772 Report Date: 12/16/02
Project ID: TNM 97-04 EO 2016
Sample Name: MW 10
Sample Matrix: water
Date Received: 11/25/2002 Time: 08:00
Date Sampled: 11/21/2002 Time: 10:22

REPORT OF ANALYSIS

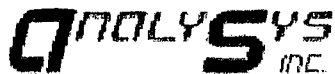
QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	11/27/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	11/27/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	11/26/02	3015	---	---	---	---	---
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	---	0.87	104.49	100.48	105.18
Barium/ICP	0.572	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	---	3.58	101.99	98.26	101.76
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	12/11/02	6010 & 200.7	---	1.08	105.39	102	106.91
Chromium/ICP	0.0148	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	---	1.45	99.71	97.8	106.16
Lead/ICP	<0.02	mg/L	0.02	<0.02	12/11/02	6010 & 200.7	---	1.19	103.64	99.4	107.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	11/27/02	245.1&7470	---	4.44	88.89	92	102.67
Selenium/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	J	0.95	104.18	100.16	105.65
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/02/02	272.2&7761	---	0	100	85	118
Extractable organics-PAH	---	---	---	---	12/12/02	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	11/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/27/02	8260b	---	1.9	72	94.2	78.7
Ethylbenzene	<1	µg/L	1	<1	11/27/02	8260b	---	2.1	113.1	110.3	111.5
m,p-Xylenes	<1	µg/L	1	<1	11/27/02	8260b	---	1.7	110.7	104.4	106.5
o-Xylene	<1	µg/L	1	<1	11/27/02	8260b	---	0.6	116.1	109.4	113.5
Toluene	<1	µg/L	1	<1	11/27/02	8260b	---	0.2	96.1	104.8	99.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	1.2	63.3	104.4	66.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	0.4	71.2	112.6	76.6
Anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	8.3	77.4	111.2	73.4

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,
Richard Laster
Richard Laster

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



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Attn: Ken Dutton

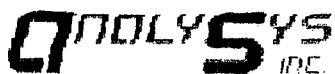
Project ID: TNM 97-04 EO 2016
Sample Name: MW 10

Report#/Lab ID#: 136772
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	9	85.4	101.1	80.8
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	15.3	80.6	104.9	74.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	25	87	108.2	73.4
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	16.4	74.8	88.6	71.1
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	6	76.6	102.2	71.9
Chrysene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	10.2	84.9	99.1	84.9
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	16.9	79.3	93.1	70.7
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	12.4	80.2	105.6	72.5
Fluorene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	4.6	65.6	106	62
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	18.1	78.2	92.5	70.6
Naphthalene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	2.8	61.5	104.2	52.5
Phenanthrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	7.7	76.1	102.3	71.7
Pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	8.4	68	87.8	68.1



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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016
Sample Name: MW 10

Report#/Lab ID#: 136772
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	80.2	80-120	---
Toluene-d8	8260b	97.6	88-110	---
2-Fluorobiphenyl	8270c	48.9	43-116	---
Nitrobenzene-d5	8270c	67.6	35-114	---
Terphenyl-d14	8270c	55.4	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 136772 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016

Sample Name: MW 10

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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
Selenium/ICP	J	See J-flag discussion above.

Notes:



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Client: Environmental Tech Group
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Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 136773 Report Date: 12/16/02
Project ID: TNM 97-04 EO 2016
Sample Name: MW 11
Sample Matrix: water
Date Received: 11/25/2002 Time: 08:00
Date Sampled: 11/21/2002 Time: 11:03

REPORT OF ANALYSIS

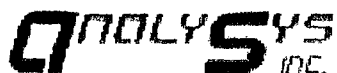
QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	11/27/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	11/27/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	11/26/02	3015	---	---	---	---	---
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	---	0.87	104.49	100.48	105.18
Barium/ICP	0.218	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	---	3.58	101.99	98.26	101.76
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	12/11/02	6010 & 200.7	---	1.08	105.39	102	106.91
Chromium/ICP	<0.01	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	J	1.45	99.71	97.8	106.16
Lead/ICP	<0.02	mg/L	0.02	<0.02	12/11/02	6010 & 200.7	---	1.19	103.64	99.4	107.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	11/27/02	245.1&7470	---	4.44	88.89	92	102.67
Selenium/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	J	0.95	104.18	100.16	105.65
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/02/02	272.2&7761	---	0	100	85	118
Extractable organics-PAH	---	---	---	---	12/12/02	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	11/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/27/02	8260b	---	1.9	72	94.2	78.7
Ethylbenzene	<1	µg/L	1	<1	11/27/02	8260b	---	2.1	113.1	110.3	111.5
m,p-Xylenes	<1	µg/L	1	<1	11/27/02	8260b	---	1.7	110.7	104.4	106.5
o-Xylene	<1	µg/L	1	<1	11/27/02	8260b	---	0.6	116.1	109.4	113.5
Toluene	<1	µg/L	1	<1	11/27/02	8260b	---	0.2	96.1	104.8	99.8
Acenaphthene	0.089	µg/L	0.05	<0.05	12/12/02	8270c	---	1.2	63.3	104.4	66.2
Acenaphthylene	0.094	µg/L	0.05	<0.05	12/12/02	8270c	---	0.4	71.2	112.6	76.6
Anthracene	0.182	µg/L	0.05	<0.05	12/12/02	8270c	---	8.3	77.4	111.2	73.4

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,
Richard Laster
Richard Laster

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



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: Ken Dutton

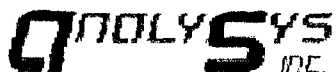
Project ID: TNM 97-04 EO 2016
Sample Name: MW 11

Report#/Lab ID#: 136773
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Benzo[a]anthracene	0.125	µg/L	0.05	<0.05	12/12/02	8270c	---	9	85.4	101.1	80.8
Benzo[a]pyrene	0.12	µg/L	0.05	<0.05	12/12/02	8270c	---	15.3	80.6	104.9	74.9
Benzo[b]fluoranthene	0.126	µg/L	0.05	<0.05	12/12/02	8270c	---	25	87	108.2	73.4
Benzo[g,h,i]perylene	0.108	µg/L	0.05	<0.05	12/12/02	8270c	---	16.4	74.8	88.6	71.1
Benzo[j,k]fluoranthene	0.145	µg/L	0.05	<0.05	12/12/02	8270c	---	6	76.6	102.2	71.9
Chrysene	0.08	µg/L	0.05	<0.05	12/12/02	8270c	---	10.2	84.9	99.1	84.9
Dibenz[a,h]anthracene	0.105	µg/L	0.05	<0.05	12/12/02	8270c	---	16.9	79.3	93.1	70.7
Fluoranthene	0.19	µg/L	0.05	<0.05	12/12/02	8270c	---	12.4	80.2	105.6	72.5
Fluorene	0.149	µg/L	0.05	<0.05	12/12/02	8270c	---	4.6	65.6	106	62
Indeno[1,2,3-cd]pyrene	0.111	µg/L	0.05	<0.05	12/12/02	8270c	---	18.1	78.2	92.5	70.6
Naphthalene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	2.8	61.5	104.2	52.5
Phenanthrene	0.168	µg/L	0.05	<0.05	12/12/02	8270c	---	7.7	76.1	102.3	71.7
Pyrene	0.156	µg/L	0.05	<0.05	12/12/02	8270c	---	8.4	68	87.8	68.1



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Client: Environmental Tech Group	Project ID: TNM 97-04 EO 2016	Report#/Lab ID#: 136773
Attn: Ken Dutton	Sample Name: MW 11	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	82.9	80-120	---
Toluene-d8	8260b	102	88-110	---
2-Fluorobiphenyl	8270c	49.3	43-116	---
Nitrobenzene-d5	8270c	70.5	35-114	---
Terphenyl-d14	8270c	55.1	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 136773 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016

Sample Name: MW 11

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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
Chromium/ICP	J	See J-flag discussion above.
Selenium/ICP	J	See J-flag discussion above.

Notes:



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

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

Report#/Lab ID#: 136774 Report Date: 12/16/02
Project ID: TNM 97-04 EO 2016
Sample Name: MW 12
Sample Matrix: water
Date Received: 11/25/2002 Time: 08:00
Date Sampled: 11/21/2002 Time: 11:42

REPORT OF ANALYSIS

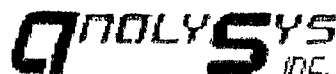
QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	11/27/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	11/27/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	11/26/02	3015	---	---	---	---	---
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	12/12/02	6010 & 200.7	---	1.53	98.2	98.16	99.5
Barium/ICP	0.115	mg/L	0.01	<0.01	12/12/02	6010 & 200.7	---	1.29	82.91	102.26	84.91
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	12/12/02	6010 & 200.7	---	0.05	94.21	100.88	97.68
Chromium/ICP	0.0104	mg/L	0.01	<0.01	12/12/02	6010 & 200.7	---	0.77	83.63	96.98	87.39
Lead/ICP	<0.02	mg/L	0.02	<0.02	12/12/02	6010 & 200.7	---	0.52	96.7	98.64	101.4
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	11/27/02	245.1&7470	---	4.44	88.89	92	102.67
Selenium/ICP	<0.05	mg/L	0.05	<0.05	12/12/02	6010 & 200.7	J	1.93	97.8	98.16	99.89
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/02/02	272.2&7761	J	0	100	85	118
Extractable organics-PAH	---	---	---	---	12/12/02	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	11/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/27/02	8260b	---	1.9	72	94.2	78.7
Ethylbenzene	<1	µg/L	1	<1	11/27/02	8260b	---	2.1	113.1	110.3	111.5
m,p-Xylenes	<1	µg/L	1	<1	11/27/02	8260b	---	1.7	110.7	104.4	106.5
o-Xylene	<1	µg/L	1	<1	11/27/02	8260b	---	0.6	116.1	109.4	113.5
Toluene	<1	µg/L	1	<1	11/27/02	8260b	---	0.2	96.1	104.8	99.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	1.2	63.3	104.4	66.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	0.4	71.2	112.6	76.6
Anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	8.3	77.4	111.2	73.4

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Richard Laster

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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
Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016
Sample Name: MW 12

Report#/Lab ID#: 136774
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	9	85.4	101.1	80.8
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	15.3	80.6	104.9	74.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	25	87	108.2	73.4
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	16.4	74.8	88.6	71.1
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	6	76.6	102.2	71.9
Chrysene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	10.2	84.9	99.1	84.9
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	16.9	79.3	93.1	70.7
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	12.4	80.2	105.6	72.5
Fluorene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	4.6	65.6	106	62
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	18.1	78.2	92.5	70.6
Naphthalene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	2.8	61.5	104.2	52.5
Phenanthrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	7.7	76.1	102.3	71.7
Pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	8.4	68	87.8	68.1



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Client: Environmental Tech Group	Project ID: TNM 97-04 EO 2016	Report#/Lab ID#: 136774
Attn: Ken Dutton	Sample Name: MW 12	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86	80-120	---
Toluene-d8	8260b	98.5	88-110	---
2-Fluorobiphenyl	8270c	43.2	43-116	---
Nitrobenzene-d5	8270c	56.9	35-114	---
Terphenyl-d14	8270c	50.6	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 136774 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016

Sample Name: MW 12

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

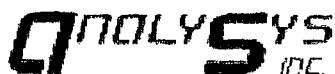
J flag Discussion:

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
Selenium/ICP	J	See J-flag discussion above.
Silver/GFAA	J	See J-flag discussion above.

Notes:



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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#: 136775 Report Date: 12/16/02
Project ID: TNM 97-04 EO 2016
Sample Name: MW 13
Sample Matrix: water
Date Received: 11/25/2002 Time: 08:00
Date Sampled: 11/21/2002 Time: 12:55

REPORT OF ANALYSIS

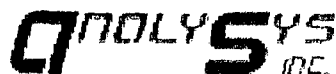
QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	11/27/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	11/27/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	11/26/02	3015	---	---	---	---	---
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	---	0.87	104.49	100.48	105.18
Barium/ICP	0.156	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	---	3.58	101.99	98.26	101.76
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	12/11/02	6010 & 200.7	---	1.08	105.39	102	106.91
Chromium/ICP	<0.01	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	J	1.45	99.71	97.8	106.16
Lead/ICP	<0.02	mg/L	0.02	<0.02	12/11/02	6010 & 200.7	---	1.19	103.64	99.4	107.66
Mercury/CVAA	0.0012	mg/L	0.0002	<0.0002	11/27/02	245.1&7470	---	4.44	88.89	92	102.67
Selenium/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	J	0.95	104.18	100.16	105.65
Silver/GFAA	0.0359	mg/L	0.01	<0.01	12/02/02	272.2&7761	---	0	100	85	118
Extractable organics-PAH	---	---	---	---	12/12/02	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	11/27/02	8260b	---	---	---	---	---
Benzene	10.1	µg/L	1	<1	11/27/02	8260b	---	1.9	72	94.2	78.7
Ethylbenzene	<1	µg/L	1	<1	11/27/02	8260b	---	2.1	113.1	110.3	111.5
m,p-Xylenes	44.6	µg/L	1	<1	11/27/02	8260b	---	1.7	110.7	104.4	106.5
o-Xylene	<1	µg/L	1	<1	11/27/02	8260b	---	0.6	116.1	109.4	113.5
Toluene	<1	µg/L	1	<1	11/27/02	8260b	---	0.2	96.1	104.8	99.8
Acenaphthene	0.075	µg/L	0.05	<0.05	12/12/02	8270c	---	1.2	63.3	104.4	66.2
Acenaphthylene	0.054	µg/L	0.05	<0.05	12/12/02	8270c	---	0.4	71.2	112.6	76.6
Anthracene	0.065	µg/L	0.05	<0.05	12/12/02	8270c	---	8.3	77.4	111.2	73.4

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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.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton

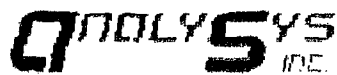
Project ID: TNM 97-04 EO 2016
Sample Name: MW 13

Report#/Lab ID#: 136775
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	9	85.4	101.1	80.8
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	15.3	80.6	104.9	74.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	25	87	108.2	73.4
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	16.4	74.8	88.6	71.1
Benzo[j,k]fluoranthene	0.054	µg/L	0.05	<0.05	12/12/02	8270c	---	6	76.6	102.2	71.9
Chrysene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	10.2	84.9	99.1	84.9
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	16.9	79.3	93.1	70.7
Fluoranthene	0.068	µg/L	0.05	<0.05	12/12/02	8270c	---	12.4	80.2	105.6	72.5
Fluorene	0.373	µg/L	0.05	<0.05	12/12/02	8270c	---	4.6	65.6	106	62
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	18.1	78.2	92.5	70.6
Naphthalene	12.4	µg/L	0.05	<0.05	12/12/02	8270c	---	2.8	61.5	104.2	52.5
Phenanthrene	0.323	µg/L	0.05	<0.05	12/12/02	8270c	---	7.7	76.1	102.3	71.7
Pyrene	0.061	µg/L	0.05	<0.05	12/12/02	8270c	---	8.4	68	87.8	68.1



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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016
Sample Name: MW 13

Report#/Lab ID#: 136775
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.8	80-120	---
Toluene-d8	8260b	97.9	88-110	---
2-Fluorobiphenyl	8270c	43.3	43-116	---
Nitrobenzene-d5	8270c	56.3	35-114	---
Terphenyl-d14	8270c	57.7	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 136775 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016

Sample Name: MW 13

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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.

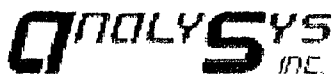
J flag Discussion:

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
Chromium/ICP	J	See J-flag discussion above.
Selenium/ICP	J	See J-flag discussion above.
Benzo[a]anthracene	J	See J-flag discussion above.
Benzo[a]pyrene	J	See J-flag discussion above.
Benzo[b]fluoranthene	J	See J-flag discussion above.
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Chrysene	J	See J-flag discussion above.
Dibenz[a,h]anthracene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes:



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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#: 136776 Report Date: 12/16/02
Project ID: TNM 97-04 EO 2016
Sample Name: MW 14
Sample Matrix: water
Date Received: 11/25/2002 Time: 08:00
Date Sampled: 11/21/2002 Time: 13:27

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	11/27/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	11/27/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	11/26/02	3015	---	---	---	---	---
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	---	0.87	104.49	100.48	105.18
Barium/ICP	0.137	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	---	3.58	101.99	98.26	101.76
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	12/11/02	6010 & 200.7	---	1.08	105.39	102	106.91
Chromium/ICP	<0.01	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	J	1.45	99.71	97.8	106.16
Lead/ICP	<0.02	mg/L	0.02	<0.02	12/11/02	6010 & 200.7	---	1.19	103.64	99.4	107.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	11/27/02	245.1&7470	---	4.44	88.89	92	102.67
Selenium/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	J	0.95	104.18	100.16	105.65
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/02/02	272.2&7761	---	0	100	85	118
Extractable organics-PAH	---	---	---	---	12/12/02	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	12/03/02	8260b	---	---	---	---	---
Benzene	850	µg/L	10	<10	12/03/02	8260b	---	1.9	72	94.2	78.7
Ethylbenzene	178	µg/L	10	<10	12/03/02	8260b	---	2.1	113.1	110.3	111.5
m,p-Xylenes	350	µg/L	10	<10	12/03/02	8260b	---	1.7	110.7	104.4	106.5
o-Xylene	175	µg/L	10	<10	12/03/02	8260b	---	0.6	116.1	109.4	113.5
Toluene	666	µg/L	10	<10	12/03/02	8260b	---	0.2	96.1	104.8	99.8
Acenaphthene	0.074	µg/L	0.05	<0.05	12/12/02	8270c	---	1.2	63.3	104.4	66.2
Acenaphthylene	0.159	µg/L	0.05	<0.05	12/12/02	8270c	---	0.4	71.2	112.6	76.6
Anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	8.3	77.4	111.2	73.4

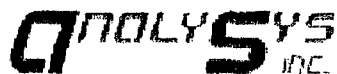
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All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

Respectfully Submitted,

Richard Laster

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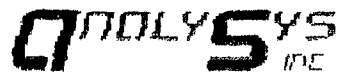
Project ID: TNM 97-04 EO 2016
Sample Name: MW 14

Report#/Lab ID#: 136776
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	9	85.4	101.1	80.8
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	15.3	80.6	104.9	74.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	25	87	108.2	73.4
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	16.4	74.8	88.6	71.1
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	6	76.6	102.2	71.9
Chrysene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	J	10.2	84.9	99.1	84.9
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	16.9	79.3	93.1	70.7
Fluoranthene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	12.4	80.2	105.6	72.5
Fluorene	0.704	µg/L	0.05	<0.05	12/12/02	8270c	---	4.6	65.6	106	62
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	18.1	78.2	92.5	70.6
Naphthalene	14.1	µg/L	0.05	<0.05	12/12/02	8270c	---	2.8	61.5	104.2	52.5
Phenanthrene	0.641	µg/L	0.05	<0.05	12/12/02	8270c	---	7.7	76.1	102.3	71.7
Pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	8.4	68	87.8	68.1



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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016
Sample Name: MW 14

Report#/Lab ID#: 136776
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.5	80-120	---
Toluene-d8	8260b	98.6	88-110	---
2-Fluorobiphenyl	8270c	43.3	43-116	---
Nitrobenzene-d5	8270c	65.6	35-114	---
Terphenyl-d14	8270c	53.1	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 136776 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016

Sample Name: MW 14

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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 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
Chromium/ICP	J	See J-flag discussion above.
Selenium/ICP	J	See J-flag discussion above.
Chrysene	J	See J-flag discussion above.

Notes:



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Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 136777 Report Date: 12/16/02
Project ID: TNM 97-04 EO 2016
Sample Name: MW 15
Sample Matrix: water
Date Received: 11/25/2002 Time: 08:00
Date Sampled: 11/21/2002 Time: 13:57

REPORT OF ANALYSIS

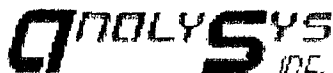
QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	11/27/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	11/27/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	11/26/02	3015	---	---	---	---	---
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	---	0.87	104.49	100.48	105.18
Barium/ICP	0.0972	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	---	3.58	101.99	98.26	101.76
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	12/11/02	6010 & 200.7	---	1.08	105.39	102	106.91
Chromium/ICP	<0.01	mg/L	0.01	<0.01	12/11/02	6010 & 200.7	J	1.45	99.71	97.8	106.16
Lead/ICP	<0.02	mg/L	0.02	<0.02	12/11/02	6010 & 200.7	---	1.19	103.64	99.4	107.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	11/27/02	245.1&7470	---	4.44	88.89	92	102.67
Selenium/ICP	<0.05	mg/L	0.05	<0.05	12/11/02	6010 & 200.7	J	0.95	104.18	100.16	105.65
Silver/GFAA	<0.002	mg/L	0.002	<0.002	12/02/02	272.2&7761	---	0	100	85	118
Extractable organics-PAH	---	---	---	---	12/12/02	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	11/27/02	8260b	---	---	---	---	---
Benzene	81.30	µg/L	100	<100	12/03/02	8260b	---	0.8	70.6	92.2	79.4
Ethylbenzene	384	µg/L	100	<100	12/03/02	8260b	---	0.8	109.8	106.2	120.9
m,p-Xylenes	8.73	µg/L	1	<1	11/27/02	8260b	---	0.8	106.4	103.9	117.7
o-Xylene	<1	µg/L	1	<1	11/27/02	8260b	J	1.2	112.1	108.6	122.9
Toluene	1.62	µg/L	1	<1	11/27/02	8260b	---	1.2	91.4	104.7	101.5
Acenaphthene	0.179	µg/L	0.05	<0.05	12/12/02	8270c	---	1.2	63.3	104.4	66.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	0.4	71.2	112.6	76.6
Anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	8.3	77.4	111.2	73.4

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,
Richard Laster
Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016
Sample Name: MW 15

Report#/Lab ID#: 136777
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Benzo[a]anthracene	0.089	µg/L	0.05	<0.05	12/12/02	8270c	---	9	85.4	101.1	80.8
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	15.3	80.6	104.9	74.9
Benzo[b]fluoranthene	0.105	µg/L	0.05	<0.05	12/12/02	8270c	---	25	87	108.2	73.4
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	16.4	74.8	88.6	71.1
Benzo[j,k]fluoranthene	0.15	µg/L	0.05	<0.05	12/12/02	8270c	---	6	76.6	102.2	71.9
Chrysene	0.081	µg/L	0.05	<0.05	12/12/02	8270c	---	10.2	84.9	99.1	84.9
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	16.9	79.3	93.1	70.7
Fluoranthene	0.154	µg/L	0.05	<0.05	12/12/02	8270c	---	12.4	80.2	105.6	72.5
Fluorene	0.662	µg/L	0.05	<0.05	12/12/02	8270c	---	4.6	65.6	106	62
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	12/12/02	8270c	---	18.1	78.2	92.5	70.6
Naphthalene	21.3	µg/L	0.05	<0.05	12/12/02	8270c	---	2.8	61.5	104.2	52.5
Phenanthrene	0.564	µg/L	0.05	<0.05	12/12/02	8270c	---	7.7	76.1	102.3	71.7
Pyrene	0.145	µg/L	0.05	<0.05	12/12/02	8270c	---	8.4	68	87.8	68.1



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: Ken Dutton	Project ID: TNM 97-04 EO 2016 Sample Name: MW 15	Report#/Lab ID#: 136777 Sample Matrix: water
------------------------------------------------------	-----------------------------------------------------	-------------------------------------------------

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1,2-Dichloroethane-d4	8260b	81	80-120	---
Toluene-d8	8260b	99.2	88-110	---
2-Fluorobiphenyl	8270c	43.4	43-116	---
Nitrobenzene-d5	8270c	72.4	35-114	---
Terphenyl-d14	8270c	54.4	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 136777 Matrix: water

Client: Environmental Tech Group

Attn: Ken Dutton

Project ID: TNM 97-04 EO 2016

Sample Name: MW 15

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. 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
Chromium/ICP	J	See J-flag discussion above.
Selenium/ICP	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.

Notes:



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

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

Report#/Lab ID#: 136778 **Report Date:** 12/16/02
Project ID: TNM 97-04 EO 2016
Sample Name: EB 1
Sample Matrix: water
Date Received: 11/25/2002 **Time:** 08:00
Date Sampled: 11/21/2002 **Time:** 14:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/03/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/03/02	8260b	---	1.9	72	94.2	78.7
Ethylbenzene	<1	µg/L	1	<1	12/03/02	8260b	---	2.1	113.1	110.3	111.5
m,p-Xylenes	<1	µg/L	1	<1	12/03/02	8260b	---	1.7	110.7	104.4	106.5
o-Xylene	<1	µg/L	1	<1	12/03/02	8260b	---	0.6	116.1	109.4	113.5
Toluene	<1	µg/L	1	<1	12/03/02	8260b	---	0.2	96.1	104.8	99.8

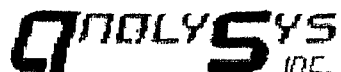
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All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

Respectfully Submitted,

Richard Laster

Richard Laster

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



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

Client: Environmental Tech Group	Project ID: TNM 97-04 EO 2016	Report#/Lab ID#: 136778
Attn: Ken Dutton	Sample Name: EB 1	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1,2-Dichloroethane-d4	8260b	80.9	80-120	---
Toluene-d8	8260b	96.3	88-110	---

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

CHAIN-OF-CUSTODY

Send Reports To:

Company Name E.T.G.I.
 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 _____
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____
 Phone _____ Fax _____



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

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

Project Name/PO#: TNM 97-04 Sampler: Marcos Campos
EO-2016

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 RCRA PAH										Comments
mw 1	11/21/02	0855	5		X													
mw 7		1218																
mw 8		0945																
mw 10		1022																
mw 11		1103																
mw 12		1142																
mw 13		1255																
mw 14		1327																
mw 15		1357	✓					✓	✓	✓								
E.B. -1	✓	1405	2		✓													

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

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Marcos Campos	E.T.G.I.	11/22/02	1230				

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

0 RB 11/5

ANNUAL MONITORING REPORT

**EOTT PIPELINE COMPANY
TNM 97-04
LEA COUNTY, NEW MEXICO**

DP 294

RK DMS

22

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

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INTRODUCTION

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

Ground water monitoring was conducted during four quarterly events in calendar year 2000 to assess the levels and extent of dissolved phase 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 wells containing measurable levels of PSH were not sampled.

FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on March 2, April 25, September 6, and November 28, 2000. During each sampling event, the monitoring wells, designated to be sampled, were purged of approximately 3 well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Ground water was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were stored in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Pate Trucking, Hobbs, New Mexico, utilizing a licensed disposal facility (OCD AO SWD-730).

GROUND WATER GRADIENT

Locations of the monitoring wells and the inferred ground water gradient, as measured on November 28, 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 0.003 ft/ft to the southeast as measured between ground water monitoring wells MW-10 and MW-15. The depth to ground water, as measured from the top of the well casing, ranged between 52.80 to 55.87 feet for the shallow alluvial aquifer.

A measurable thickness of PSH was detected in monitoring wells MW-2, MW-3, MW-4, MW-5, MW-6, and MW-9 during the annual monitoring period. A maximum thickness of 3.13 feet in monitoring well MW-2, 3.12 feet in monitoring well MW-3, 2.77 feet in monitoring well MW-4, 3.55 feet in monitoring well MW-5, 3.06 feet in monitoring well MW-6, and 2.21 feet in monitoring well MW-9 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 concentrations were above regulatory standards for monitoring wells MW-14 and MW-15, while BTEX concentrations for these monitoring wells were below regulatory standards. The remaining on-site monitoring wells were either below method detection limits or below regulatory standards for concentrations of Benzene and BTEX in the ground water samples.

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 wells MW-2, MW-3, MW-4, MW-5, MW-6, and MW-9 during the annual monitoring period. A maximum thickness of 3.13 feet in monitoring well MW-2, 3.12 feet in monitoring well MW-3, 2.77 feet in monitoring well MW-4, 3.55 feet in monitoring well MW-5, 3.06 feet in monitoring well MW-6, and 2.21 feet in monitoring well MW-9 was measured in the monitoring wells.

Ground water elevation contours, generated from the final quarterly event of calendar year 2000 water level measurements, indicated a general gradient of approximately 0.003 ft/ft to the southeast as measured between ground water monitoring wells MW-10 and MW-15.

Laboratory results for all of the site ground water samples, obtained during the calendar year 2000 monitoring period, indicated that Benzene concentrations were above regulatory standards for monitoring wells MW-14 and MW-15, while BTEX concentrations for these monitoring wells were below regulatory standards. The remaining on-site monitoring wells were either below method detection limits or below regulatory standards for concentrations of Benzene and BTEX in the ground water samples.

FIGURES

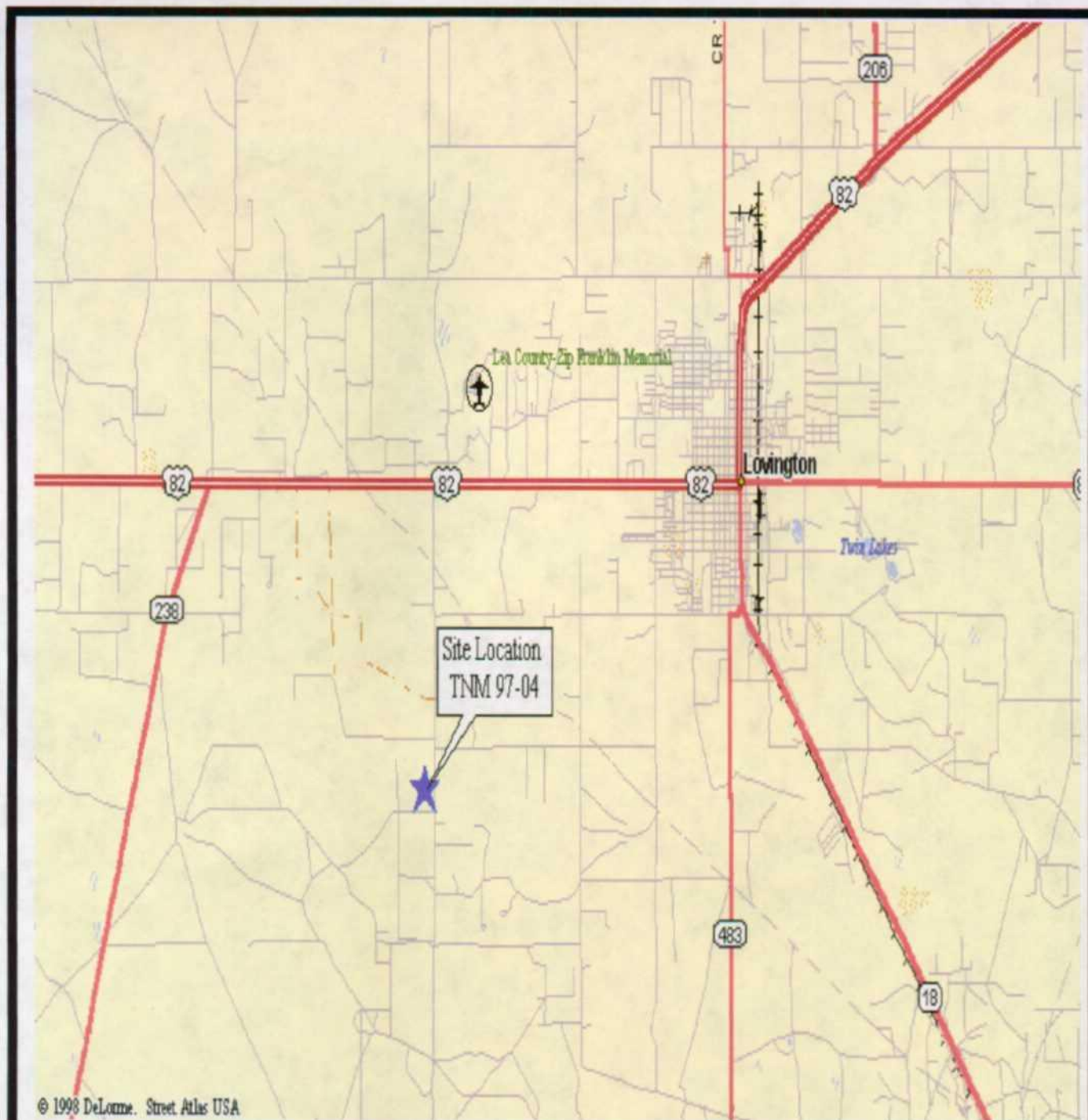


FIGURE 1

Not To Scale

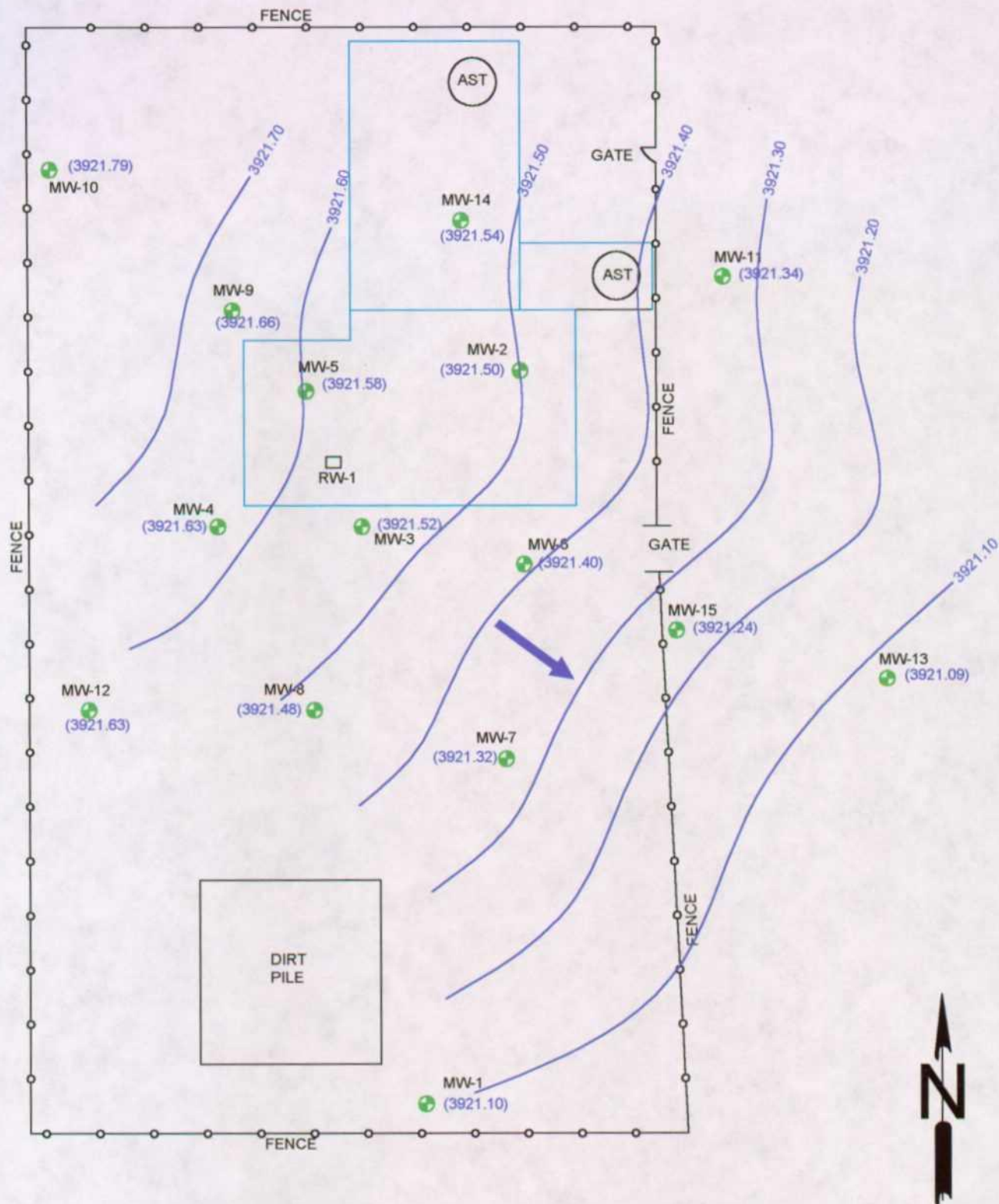
Site Location Map

EOTT Energy Corp.
TNM 97-04
Lea County, NM

Environmental
Technology
Group, Inc.

02 - 09 - 00 RS

ETGI Project # EOT2016C



LEGEND:

- + Monitoring Well Locations
- RW Recovery Well
- Berms
- Ground Water Contour Lines

Figure 2
Site Groundwater
Gradient Map (12/27/00)

E.O.T.T. Energy
TNM 97 - 04
Lea County, NM



**Environmental Technology
Group, INC.**

Scale: 1" = 40' Prep By: RS Checked By: CR

December 27, 2000 ETGI Project #: EOT2016C

APPENDIX

TABLE 1
GROUND WATER ELEVATION
ANNUAL REPORT

EOTT ENERGY CORPORATION
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT2016C

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	03/02/00	3,974.18	-	53.01	0.00	3921.17
	04/25/00	3,974.18	-	53.02	0.00	3,921.16
	09/06/00	3,974.18	-	53.07	0.00	3,921.11
	11/28/00	3,974.18	-	53.08	0.00	3,921.10
MW - 2	03/02/00	3,974.62	52.49	55.38	2.89	3,921.70
	04/25/00	3,974.62	52.59	55.42	2.83	3,921.61
	09/05/00	3,974.62	52.58	55.71	3.13	3,921.57
	12/01/00	3,974.62	52.75	55.23	2.48	3,921.50
MW - 3	03/02/00	3,974.60	52.71	55.03	2.38	3,921.59
	04/25/00	3,974.60	52.61	55.09	2.48	3,921.62
	09/06/00	3,974.60	52.54	55.66	3.12	3,921.59
	11/28/00	3,974.60	52.64	55.57	2.93	3,921.52
MW - 4	03/02/00	3,974.53	52.58	54.30	1.72	3,921.69
	04/25/00	3,974.53	52.59	54.38	1.79	3,921.67
	09/06/00	3,974.53	52.44	55.11	2.67	3,921.69
	11/28/00	3,974.53	52.48	55.25	2.77	3,921.63
MW - 5	03/02/00	3,974.28	52.09	55.50	3.41	3,921.68
	04/25/00	3,974.28	52.04	55.59	3.55	3,921.71
	09/06/00	3,974.28	52.11	55.48	3.37	3,921.66
	11/28/00	3,974.28	52.21	55.46	3.25	3,921.58
MW - 6	03/02/00	3,974.72	53.10	53.84	0.74	3,921.51
	04/25/00	3,974.72	53.14	53.91	0.77	3,921.46
	09/06/00	3,974.72	52.81	55.87	3.06	3,921.45
	11/28/00	3,974.72	52.91	55.62	2.71	3,921.40
MW - 7	03/02/00	3,974.60	-	53.17	0.00	3,921.43
	04/25/00	3,974.60	-	53.23	0.00	3,921.37
	09/06/00	3,974.60	-	53.28	0.00	3,921.32
	11/28/00	3,974.60	-	53.28	0.00	3,921.32
MW - 8	03/02/00	3,974.48	-	52.89	0.00	3,921.59
	04/25/00	3,974.48	-	52.96	0.00	3,921.52
	09/06/00	3,974.48	-	53.00	0.00	3,921.48
	11/28/00	3,974.48	-	53.00	0.00	3,921.48

TABLE 1 (CON'T)

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	03/02/00	3,975.06	53.07	54.26	1.19	3,921.81
	04/25/00	3,975.06	53.11	54.34	1.23	3,921.77
	09/06/00	3,975.06	53.04	55.02	2.21	3,921.92
	11/28/00	3,975.06	53.13	54.90	1.77	3,921.66
MW - 10	03/02/00	3,975.02	-	53.10	0.00	3,921.92
	04/25/00	3,975.02	-	53.18	0.00	3,921.84
	09/06/00	3,975.02	-	53.22	0.00	3,921.80
	11/28/00	3,975.02	-	53.23	0.00	3,921.79
MW - 11	03/02/00	3,975.30	-	53.84	0.00	3,921.46
	04/25/00	3,975.30	-	53.91	0.00	3,921.39
	09/06/00	3,975.30	-	53.95	0.00	3,921.35
	11/28/00	3,975.30	-	53.96	0.00	3,921.34
MW - 12	03/02/00	3,974.55	-	52.80	0.00	3,921.75
	04/25/00	3,974.55	-	52.86	0.00	3,921.69
	09/06/00	3,974.55	-	52.90	0.00	3,921.65
	11/28/00	3,974.55	-	52.92	0.00	3,921.63
MW - 13	03/02/00	3,975.00	-	53.77	0.00	3,921.23
	04/25/00	3,975.00	-	53.85	0.00	3,921.15
	09/06/00	3,975.00	-	53.90	0.00	3,921.10
	11/28/00	3,975.00	-	53.91	0.00	3,921.09
MW - 14	03/02/00	3,976.15	-	54.49	0.00	3,921.66
	04/25/00	3,976.15	-	54.55	0.00	3,921.60
	09/06/00	3,976.15	-	54.61	0.00	3,921.54
	11/28/00	3,976.15	-	54.61	0.00	3,921.54
MW - 15	03/02/00	3,974.69	-	53.31	0.00	3,921.38
	04/25/00	3,974.69	-	53.39	0.00	3,921.30
	09/06/00	3,974.69	-	53.45	0.00	3,921.24
	11/28/00	3,974.69	-	53.45	0.00	3,921.24

TABLE 2
GROUND WATER CHEMISTRY
ANNUAL REPORT

EOTT ENERGY CORPORATION
TNM 97 - 04
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT 2016C

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	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/05/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/28/00	0.004	<0.001	<0.001	<0.001	<0.001
MW - 14	03/02/00	0.141	0.032	0.056	0.038	0.008
	04/25/00	0.368	0.045	0.106	0.061	0.017
	09/06/00	0.609	0.015	0.124	0.024	0.020
	11/28/00	0.691	0.022	0.107	0.038	0.034
MW - 15	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
	04/25/00	0.649	<0.001	<0.001	0.018	0.009
	09/06/00	0.010	<0.001	0.003	0.024	<0.001
	11/28/00	1.380	<0.010	<0.010	0.031	<0.001

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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


SampleType: Water
Sample Condition: Intact/ Iced/HCl
Project #: EOT 1015C
Project Name: TNM 97-04
Project Location: Lovington, N.M.

Sampling Date: 03/02/00
Receiving Date: 03/03/00
Analysis Date: 03/07/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
23980	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
23981	MW-7	<0.001	<0.001	<0.001	<0.001	<0.001
23982	MW-8	<0.001	<0.001	<0.001	<0.001	<0.001
23983	MW-10	<0.001	<0.001	<0.001	<0.001	<0.001
23984	MW-11	<0.001	<0.001	<0.001	<0.001	<0.001
23985	MW-12	<0.001	<0.001	<0.001	<0.001	<0.001
23986	MW-13	<0.001	<0.001	<0.001	<0.001	<0.001
23987	MW-14	0.141	0.032	0.056	0.038	0.008
23988	MW-15	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	97	94	92	93	91
% EA	100	96	94	96	94
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030


Raland K. Tuttle

3-8-00
Date

Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager.

Jesse Taylor

Phone #:

Phone #: (915) 664-9166
FAX #: (505) 392-3760

FAX #: (505) 392-3760

Company Name & Address:

ress: FTGT

P. O. Box 4845

MILANO TX 79704

Project #:

507 10150


Project Name :

7N/A 97-04

Project Location:

COVINGTON WAS

Sampler Signature: _____

Amplifier Signature: 

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX					PRESERVATIVE METHOD					SAMPLING		BTEX 8020 (ug/L)	TPH 418.1	TCLP Metals Ag As	Total Metals Ag As	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									</
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Relinquished by:

Simon Cross

Date:

3-3-00

Time:

1545

Received by:

9 months

REMARKS

MAIL RESULTS: K. Dutton

Relinquished by:

Date:

Times:

Received by:

Relinquished by:

Date:

Times:

Received by Laboratory:

INVOICE: JENNIFER FOST 1015 m

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

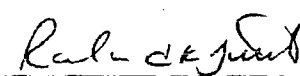
SampleType: Water
Sample Condition: Intact/ Iced/HCl/48 deg. C
Project #: EOT 1015C
Project Name: TNM 97-014/Townsend
Project Location: Lovington, N.M.

Sampling Date: 04/25/00
Receiving Date: 04/28/00
Analysis Date: 05/05/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
25457	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
25458	MW 7	<0.001	<0.001	<0.001	<0.001	<0.001
25459	MW 8	<0.001	<0.001	<0.001	<0.001	<0.001
25460	MW 10	<0.001	<0.001	<0.001	<0.001	<0.001
25461	MW 11	<0.001	<0.001	<0.001	<0.001	<0.001
25462	MW 12	<0.001	<0.001	<0.001	<0.001	<0.001
25463	MW 13	<0.001	<0.001	<0.001	<0.001	<0.001
25464	MW 14	0.368	0.045	0.106	0.061	0.017
25465	MW 15	0.649	<0.001	<0.001	0.018	0.009

% IA	106	100	103	113	102
% EA	101	96	98	105	97
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B.5030


Roland K. Tuttle

5-9-00
Date

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 130

Phone No. (915) 664-9166

FAX #: (505) 392-3260

ANALYSIS REQUEST

P.O. Box 4845 MIDLAND TX 79704

Project Name: TNM 97-04 TOWNSEND

Sampler Signature: *Simon Cars*

BTX 81121V5430

YPM 418.1

TCCLP Metals Ag As Ba Cd Cr Pb Hg Se


Total Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

105

122

Received by: 

REMARKS	MAIL RESULTS: K. DUTTON * 48°C
---------	-----------------------------------

Received by:
J. Murray

Received by Laboratory

INVOICE: E011 1015 m

Feb 16 01 12:27P

P. 2

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: BETH ALDRICH

P.O. BOX 4845

MIDLAND, TEXAS 79704

FAX: 915-520-4310

FAX: 505-397-4701

SampleType: Water

Sample Condition: Intact/ Iced/ HCl/ 0 deg. C

Project #: EOT 2016C

Project Name: TNM 97-04 (Townsend)

Project Location: Lovington, N.M.

Sampling Date: 09/06/00

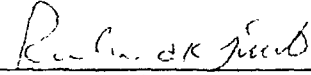
Receiving Date: 09/08/00

Analysis Date: 09/13/00

ELT#	FIELD CODE/ SAMPLE DATE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L	TOTAL BTX mg/L
30532	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30533	MW 7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30534	MW 8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30535	MW 10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30536	MW 11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30537	MW 12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30538	MW 13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30539	MW 14	0.609	0.015	0.124	0.024	0.020	0.792
30540	MW 15	0.010	<0.001	0.003	0.024	<0.001	0.037
30541	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	98	99	101	105	97
% EA	96	100	98	102	97
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B.5030


Raland K. Tuttle

9-15-00
Date

Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713												CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST COC # 223												
Project Manager: BETH ALDRICH						Phone #: (505) 397-4882 FAX #: (505) 397-4701						ANALYSIS REQUEST												
Company Name & Address: ETGT 2540 W MARLAND HOBBS NM 88240																								
Project #: EOT 2016 C						Project Name: TNM 97-04 (TOWNSEND)																		
Project Location: LOVINGTON, NM						Sampler Signature: Simon Casas																		
LAB # (USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX					PRESERVATIVE METHOD					SAMPLING		BTEX R1120	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TOS	RCI	
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE	NONF	OTHER	DATE	TIME									
30532	MW 1	2	V X					X	X						9-6	0825								
30533	MW 7															0833								
30534	MW 8															0840								
30535	MW 10															0900								
30536	MW 11															0758								
30537	MW 12															0850								
30538	MW 13															0808								
30539	MW 14															0746								
30540	MW 15															0815								
30541	EB 1															0915								
Relinquished by: Simon Casas		Date: 9-8-00		Times: 1600		Received by: Jim Adelle		REMARKS FAX RESULTS: HOBBS OFFICE MAIL RESULTS: EOTT OTC INVOICE: EOTT																
Relinquished by: Jim Adelle		Date: 9-8-00		Times: 1740		Received by: Rubie [Signature]																		
Relinquished by:		Date:		Times:		Received by Laboratory:																		

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

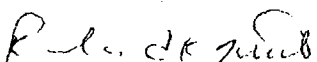
Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 0.5 deg. C
Project #: EOT 2016C
Project Name: TNM 97-04 / Townsend
Project Location: Lovington, N.M.

Sampling Date: 11/28/00
Receiving Date: 12/02/00
Analysis Date: 12/03/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
34588	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
34589	MW 7	<0.001	<0.001	<0.001	<0.001	0.001
34590	MW 8	<0.001	<0.001	<0.001	<0.001	<0.001
34591	MW 10	<0.001	<0.001	<0.001	<0.001	<0.001
34592	MW 11	<0.001	<0.001	<0.001	<0.001	<0.001
34593	MW 12	<0.001	<0.001	<0.001	<0.001	<0.001
34594	MW 13	0.004	<0.001	<0.001	<0.001	<0.001
34595	MW 14	0.691	0.022	0.107	0.038	0.034
34596	MW 15	1.38	<0.010	<0.010	0.031	<0.010
34597	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001

%IA	95	102	100	103	98
%EA	96	102	100	104	98
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B, 5030


Ralend K Tuttle

12-4-00
Date



REMARKS:
FAX RESULTS: HUBBS OFFICE
MAIL RESULTS: EOTT Rec O.S.C
INVOICE: EOTT

ANNUAL MONITORING REPORT

**EOTT PIPELINE COMPANY
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO**

PREPARED FOR:

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

Ms. Lennah Frost

PREPARED BY:

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

March 2000

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Table 2 – Ground Water Chemistry

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Appendix A – Laboratory Reports

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, a site location map is provided as Figure 1.

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

FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on February 16, May 18, September 14, and December 18, 1999. During each sampling event, the monitoring wells, designated to be sampled, were purged of approximately 3 well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Monitoring wells with a measurable presence of PSH were not sampled. Water samples were stored in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Pate Trucking, Hobbs, New Mexico, utilizing a licensed disposal facility (OCD AO SWD-730).

GROUNDWATER GRADIENT

Locations of the monitoring wells and the inferred ground water gradient, as measured on December 15, 1999, are depicted on Figure 2. The ground water elevation data are provided as Table 1. Groundwater elevation contours, generated from the final quarterly event of 1999 water level measurements, indicated a general gradient of approximately 0.003 ft/ft to the southeast. The depth to groundwater, as measured from the top of the well casing, ranged between 49.82 to 56.28 feet for the shallow alluvial aquifer.

A measurable thickness of PSH was detected in MW-2, MW-3, MW-4, MW-5, MW-6, MW-9, and RW-1 during the quarterly sampling events. A maximum thickness of 3.70 in MW-2, 3.53 in MW-3, 3.07 in MW-4, 0.93 in MW-5, 3.62 in MW-6, 2.20 in MW-9 and 2.98 in RW-1 was measured and is shown on Table 1.

LABORATORY RESULTS

Ground water samples obtained during the first and second sampling events were mailed to Xenco Laboratories in San Antonio, Texas. Ground water samples collected during the third and fourth event 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 SW846-8020 and 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 1999 annual period, indicated that BTEX concentrations were below detection limits for MW-1 MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, and MW-15. Dissolved phase benzene concentrations were detected in the sample collected from monitoring well MW-14 varied from 0.050 ml/L to 0.108 ml/L.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 1999. A measurable thickness of PSH was detected in MW-2, MW-3, MW-4, MW-5, MW-6, MW-9, and RW-1 during the quarterly sampling events.

Laboratory results for all of the site ground water samples, obtained during the 1999 annual period, indicated that BTEX concentrations were below detection limits for MW-1 MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, and MW-15. Dissolved phase benzene concentrations were detected in the sample collected from monitoring well MW-14 varied from 0.050 ml/L to 0.108 ml/L.

FIGURES

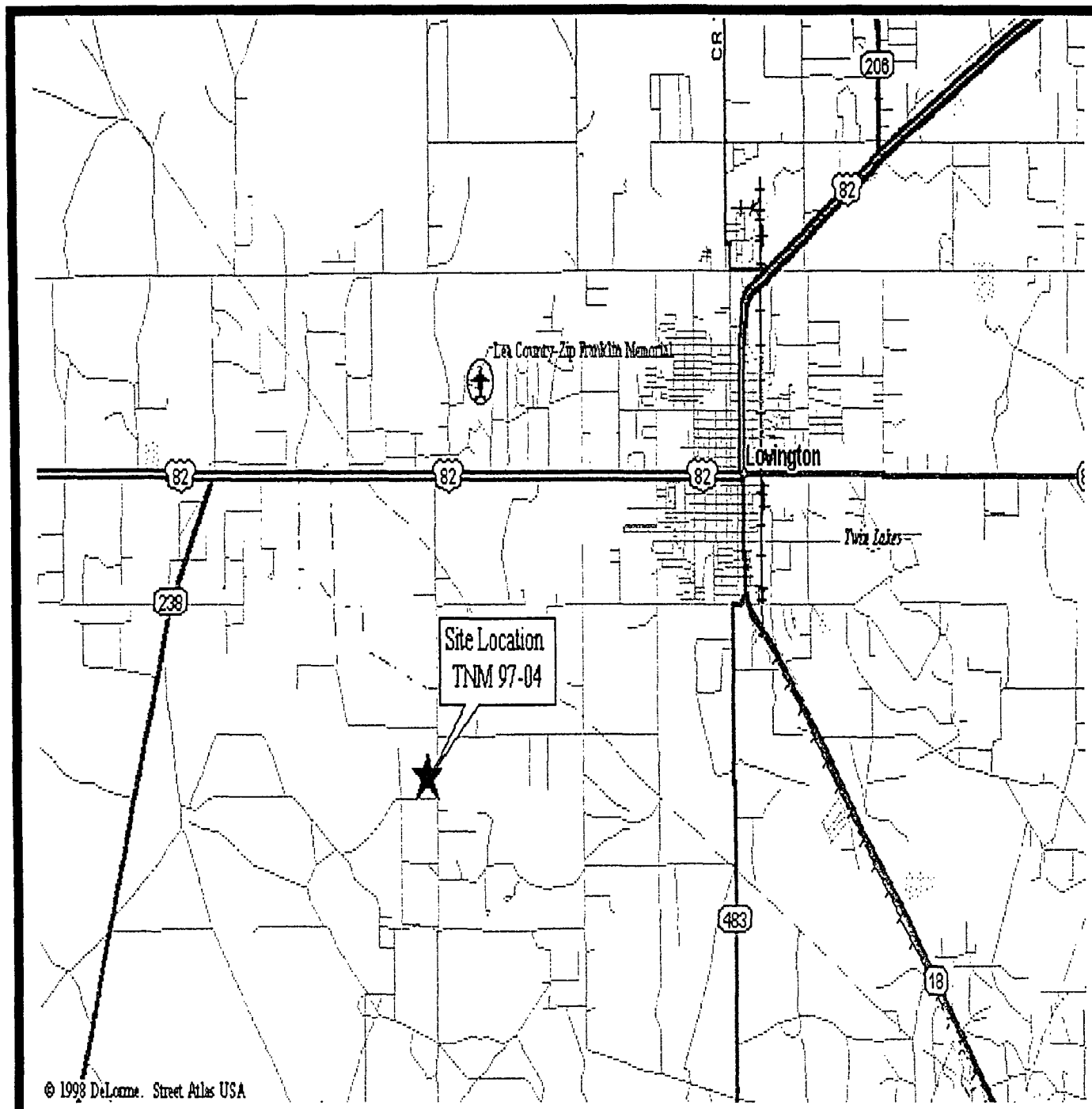


FIGURE
1

Not To Scale

Site Location Map

EOTT Energy Corp.
TNM 97-04
Lea County, NM

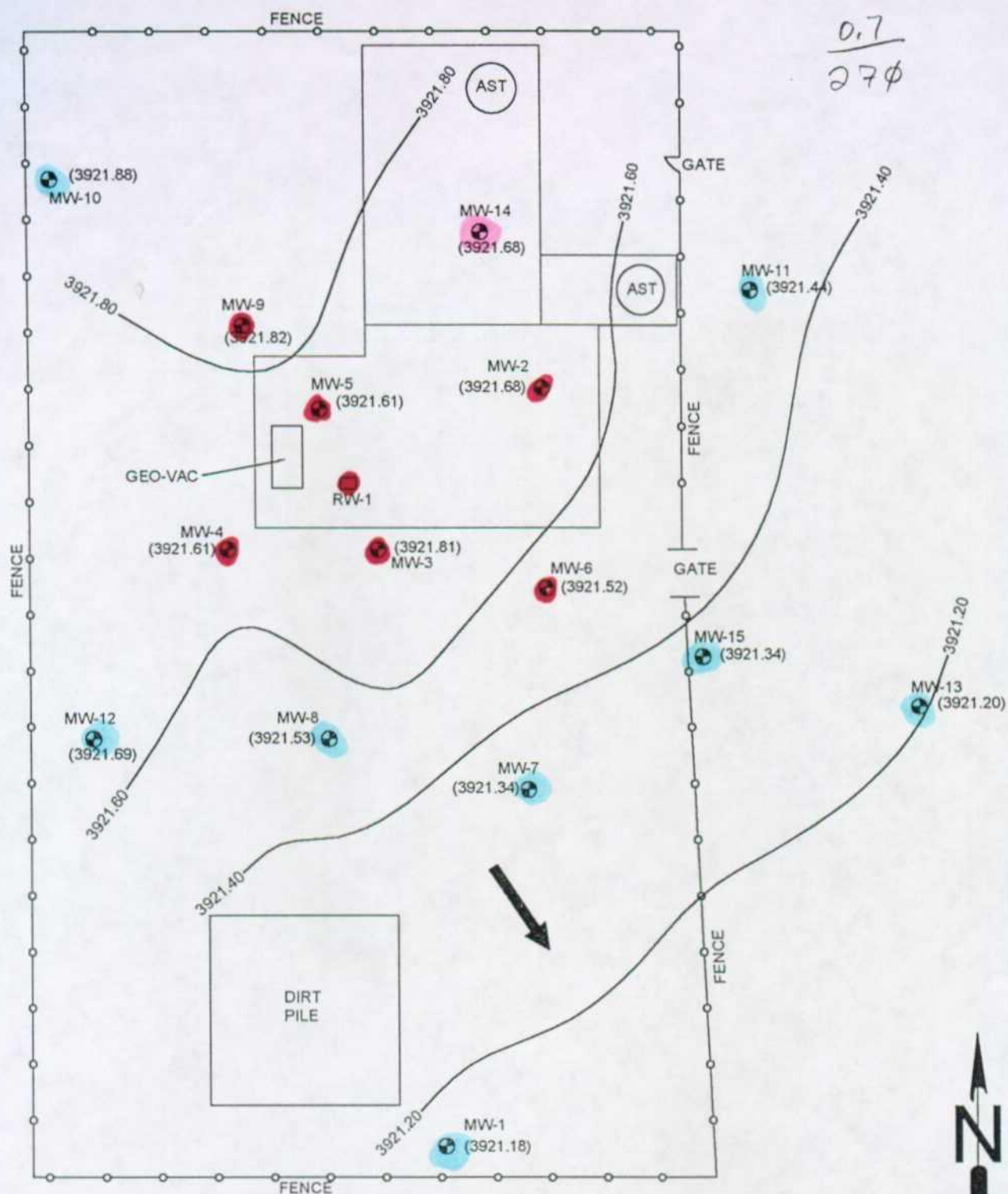
Environmental
Technology
Group, Inc.

02 - 09 - 00 RS

ETGI Project # EOT 1015C

0.003

0.7
27φ



LEGEND:

- Monitoring Well Locations
- RW Recovery Well
- Berms
- Ground Water Contour Lines

Figure 2
Inferred Ground Water
Contours 12/15/99
E.O.T.T. Energy
TNM 97 - 04
Lea County, NM



**Environmental Technology
Group, INC.**

Scale: 1" = 40'	Prep By: RS	Checked By: JT
January 31, 2000	ETGI Project # EOT 1015C	

TABLES

TABLE 1
GROUNDWATER ELEVATION TABLE
TNM 97-04 (TOWNSEND)
LEA COUNTY, NM
ETGI PROJECT# EOT1015C

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-1	02/16/99	3,974.18	-	52.94	0.00	3,921.24
MW-1	05/17/99	3,974.18	-	52.94	0.00	3,921.24
MW-1	09/13/99	3,974.18	-	52.98	0.00	3,921.20
MW-1	12/15/99	3,974.18	-	53.00	0.00	3,921.18
MW-2	02/16/99	3,974.62	50.55	53.76	3.21	3,923.59
MW-2	05/17/99	3,974.62	52.82	54.38	1.56	3,921.57
MW-2	09/13/99	3,974.62	52.47	56.31	3.84	3,921.57
MW-2	12/15/99	3,974.62	52.39	56.09	3.70	3,921.68
MW-3	02/16/99	3,974.60	52.30	55.83	3.53	3,921.77
MW-3	05/17/99	3,974.60	-	0.00	0.00	3,974.60
MW-3	09/13/99	3,974.60	52.83	52.83	0.00	3,921.77
MW-3	12/15/99	3,974.60	52.31	55.51	3.20	3,921.81
MW-4	02/16/99	3,974.53	52.77	52.80	0.03	3,921.76
MW-4	05/17/99	3,974.53	-	0.00	0.00	3,974.53
MW-4	09/13/99	3,974.53	52.92	52.92	0.00	3,921.61
MW-4	12/15/99	3,974.53	52.46	55.53	3.07	3,921.61
MW-5	02/16/99	3,974.28	-	0.00	0.00	3,974.28
MW-5	05/17/99	3,974.28	-	0.00	0.00	3,974.28
MW-5	09/13/99	3,974.28	52.47	53.40	0.93	3,921.67
MW-5	12/15/99	3,974.28	52.54	53.43	0.89	3,921.61
MW-6	02/16/99	3,974.72	53.06	53.77	0.71	3,921.55
MW-6	05/17/99	3,974.72	52.66	53.71	0.48	3,921.42
MW-6	09/13/99	3,974.72	52.85	56.02	3.17	3,921.39
MW-6	12/15/99	3,974.72	52.66	56.28	3.62	3,921.52
MW-7	02/16/99	3,974.60	-	53.12	0.00	3,921.48
MW-7	05/17/99	3,974.60	-	53.20	0.00	3,921.40
MW-7	09/13/99	3,974.60	-	53.25	0.00	3,921.35
MW-7	12/15/99	3,974.60	-	53.26	0.00	3,921.34
MW-8	02/16/99	3,974.48	-	52.86	0.00	3,921.62
MW-8	05/17/99	3,974.48	-	52.94	0.00	3,921.54
MW-8	09/13/99	3,974.48	-	52.97	0.00	3,921.51
MW-8	12/15/99	3,974.48	-	52.95	0.00	3,921.53
MW-9	02/16/99	3,975.06	52.96	54.06	1.10	3,921.94
MW-9	05/17/99	3,975.06	-	0.00	0.00	3,975.06
MW-9	09/13/99	3,975.06	52.91	55.00	2.09	3,921.84
MW-9	12/15/99	3,975.06	52.91	55.11	2.20	3,921.82
MW-10	02/16/99	3,975.02	-	53.04	0.00	3,921.98
MW-10	05/17/99	3,975.02	-	53.02	0.00	3,922.00
MW-10	09/13/99	3,975.02	-	53.08	0.00	3,921.94
MW-10	12/15/99	3,975.02	-	53.14	0.00	3,921.88
MW-11	02/16/99	3,975.30	-	53.80	0.00	3,921.50
MW-11	05/17/99	3,975.30	-	53.83	0.00	3,921.47
MW-11	09/13/99	3,975.30	-	53.83	0.00	3,921.47
MW-11	12/15/99	3,975.30	-	53.86	0.00	3,921.44
MW-12	02/16/99	3,974.55	-	52.75	0.00	3,921.80
MW-12	05/17/99	3,974.55	-	52.84	0.00	3,921.71

TABLE 1
GROUNDWATER ELEVATION TABLE
TNM 97-04 (TOWNSEND)
LEA COUNTY, NM
ETGI PROJECT# EOT1015C

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-12	09/13/99	3,974.55	-	52.82	0.00	3,921.73
MW-12	12/15/99	3,974.55	-	52.86	0.00	3,921.69
MW-13	09/13/99	3,975.00	-	53.80	0.00	3,921.20
MW-13	12/15/99	3,975.00	-	53.80	0.00	3,921.20
MW-14	09/12/99	3,976.15	-	54.49	0.00	3,921.66
MW-14	12/15/99	3,976.15	-	54.50	0.00	3,921.65
MW-15	09/13/99	3,974.69	-	53.34	0.00	3,921.35
MW-15	12/15/99	3,974.69	-	53.35	0.00	3,921.34
RW-1	02/16/99	3,970.79	-	0.00	0.00	3,970.79
RW-1	05/17/99	3,970.79	-	0.00	0.00	3,970.79
RW-1	09/13/99	3,970.79	48.50	49.82	1.32	3,922.09
RW-1	12/15/99	3,970.79	48.31	51.29	2.98	3,922.03

NM = NOT MEASURED

TABLE 2
GROUND WATER CHEMISTRY
TNM 97-04, TOWNSEND
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EOT1015C

SAMPLE	SAMPLE DATE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	mp-XYLENE (mg/L)	o-XYLENE (mg/L)
MW-1	02/16/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-1	05/18/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-1	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-1	12/18/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-7	02/16/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-7	05/18/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-7	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-7	12/18/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8	02/16/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-8	05/18/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-8	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8	12/18/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-10	02/16/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-10	05/18/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-10	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-10	12/18/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-11	02/16/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-11	05/18/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-11	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-11	12/18/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-12	02/16/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-12	05/18/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW-12	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-12	12/18/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-13	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-13	12/18/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-14	09/14/99	0.019	0.016	0.003	0.008	0.004
MW-14	12/18/99	0.040	0.018	0.009	0.034	0.007
MW-15	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW-15	12/18/99	<0.001	<0.001	<0.001	<0.001	<0.001

NOTE: Monitor Wells 13, 14, & 15 were installed 3Q99.

Methods: EPA SW 846-8020, 5030

APPENDIX A



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

February 19, 1999

Project Manager: S. Grover/T. Nix
KEI Consultants, Inc.
5309 Wurzbach Rd. Suite 100
San Antonio, TX 78238

Reference: XENCO Report No.: -90667
Project Name: TNMPL-Townsend
Project ID: 710016-1-0
Project Address: Lovington, New Mexico

Dear S. Grover/T. Nix:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with XENCO Chain of Custody Number -90667.r All results being reported to you apply only to the samples analyzed, properly identified with a Laboratory ID number. This letter documents the official transmission of the contents of the report and validates the information contained within.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 3 years in our archives and after that time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. -90667r will be filed for 60 days, and after that time they will be properly disposed of without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

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

Sincerely,

Eddie L. Clemons, II
QA/QC Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY!



ANALYTICAL CHAIN (CUSTODY REPORT) CHRONOLOGY OF SAMPLES

KEI Consultants, Inc.

Project Name: TNMPL-Townsend

XENCO COC#: -90667

Date Received in Lab: Feb 18, 1999 09:30 by JO

XENCO contact : Carlos Castro/Karen Olson

Project ID: 710016-1-0

Project Manager: S. Grover/T. Nix

Project Location: Lovington, New Mexico

						Date and Time			
Field ID	Lab. ID	Method Name	Method ID	Units	Turn Around	Sample Collected	Addition Requested	Extraction	Analysis
1 MW-1	90667-001	BTEX	SW-846	ppm	10 days	Feb 16, 1999 12:00		Feb 18, 1999 by HL	Feb 19, 1999 05:14 by HL
2 MW-7	90667-002	BTEX	SW-846	ppm	10 days	Feb 16, 1999 12:30		Feb 18, 1999 by HL	Feb 19, 1999 05:32 by HL
3 MW-8	90667-003	BTEX	SW-846	ppm	10 days	Feb 16, 1999 13:00		Feb 18, 1999 by HL	Feb 19, 1999 05:50 by HL
4 MW-10	90667-004	BTEX	SW-846	ppm	10 days	Feb 16, 1999 13:30		Feb 19, 1999 by HL	Feb 19, 1999 12:22 by HL
5 MW-11	90667-005	BTEX	SW-846	ppm	10 days	Feb 16, 1999 14:00		Feb 19, 1999 by HL	Feb 19, 1999 12:39 by HL
6 MW-12	90667-006	BTEX	SW-846	ppm	10 days	Feb 16, 1999 14:30		Feb 19, 1999 by HL	Feb 19, 1999 12:57 by HL



CERTIFICATE OF ANALYSIS SUMMARY -90667

Project ID: 710016-1-0

KEI Consultants, Inc.

Date Received in Lab : Feb 18, 1999 09:30

Project Manager: S. Grover/T. Nix


Date Report Faxed: Feb 19, 1999

Project Location: Lovington, New Mexico

XENCO contact : Carlos Castro/Karen Olson

Analysis Requested	Lab ID:	90667 001	90667 002	90667 003	90667 004	90667 005	90667 006
	Field ID:	MW-1	MW-7	MW-8	MW-10	MW-11	MW-12
	Depth:						
	Matrix:	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
	Sampled:	02/16/99 12:00	02/16/99 12:30	02/16/99 13:00	02/16/99 13:30	02/16/99 14:00	02/16/99 14:30
BTEX EPA 8021B	Analyzed: Units:	02/19/99 ppm R.L.	02/19/99 ppm R.L.	02/19/99 ppm R.L.	02/19/99 ppm R.L.	02/19/99 ppm R.L.	02/19/99 ppm R.L.
Benzene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Toluene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Ethylbenzene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
m,p-Xylene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
o-Xylene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Total BTEX		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

This report summary, and the entire report it represents, has been made for the exclusive and confidential use of KEI Consultants, Inc..
The interpretations and results expressed through this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories, however, assumes no responsibility and makes no warranty to the end use of the data hereby presented.


Eddie L. Clemons, II
QA/QC Manager



Certificate Of Quality Control for Batch : 19A25A83

SW- 846 5030/8021B BTEx

Date Validated: Feb 19, 1999 11:30

Analyst: HL

Date Analyzed: Feb 18, 1999 22:27

Matrix: Liquid

BLANK SPIKE / BLANK SPIKE DUPLICATE AND RECOVERY

Parameter	[A]	[B]	[C]	[D]	[E]	Blank	[F]	[G]	[H]	[I]	[J]
	Blank	Blank Spike	Blank Spike	Blank	Detection	Limit	QC	QC	QC	Blank Spike	Qualifler
	Result	Result	Duplicate	Spike	Limit	Relative	Spike Relative	Blank Spike	B.S.D.	Recovery	
	ppm	ppm	Result	Amount	ppm	Difference	Difference	Recovery	Recovery	Range	
			ppm	ppm		%	%	%	%	%	
Benzene	< 0.0010	0.0977	0.1030	0.1000	0.0010	20.0	5.3	97.7	103.0	65-135	
Toluene	< 0.0010	0.0984	0.1030	0.1000	0.0010	20.0	4.6	98.4	103.0	65-135	
Ethylbenzene	< 0.0010	0.0982	0.1030	0.1000	0.0010	20.0	4.8	98.2	103.0	65-135	
m,p-Xylene	< 0.0020	0.2050	0.2130	0.2000	0.0020	20.0	3.8	102.5	106.5	65-135	
o-Xylene	< 0.0010	0.1030	0.1060	0.1000	0.0010	20.0	2.9	102.9	105.9	65-135	

Spike Relative Difference [F] = $200 \cdot (B-C)/(B+C)$


Blank Spike Recovery [G] = $100 \cdot (B-A)/[D]$

B.S.D. = Blank Spike Duplicate

B.S.D. Recovery [H] = $100 \cdot (C-A)/[D]$

N.D. = Below detection limit or not detected

All results are based on MDL and validated for QC purposes


Eddie L. Clemons, II
QA/QC Manager



Certificate Of Quality Control for Batch : 19A25A84

SW- 846 5030/8021B BTEx

Date Validated: Feb 19, 1999 13:15

Analyst: HL

Date Analyzed: Feb 19, 1999 11:28

Matrix: Liquid

BLANK SPIKE / BLANK SPIKE DUPLICATE AND RECOVERY

Parameter	[A]	[B]	[C]	[D]	[E]	Blank Limit Relative Difference %	[F]	[G]	[H]	[I]	[J] Qualifier
	Blank Result	Blank Spike Result	Blank Spike Duplicate Result	Blank Spike Amount	Detection Limit		QC	QC	QC	Blank Spike Recovery	
	ppm	ppm	ppm	ppm	ppm		Spike Relative Difference %	Blank Spike Recovery %	B.S.D. Recovery %	Blank Spike Recovery Range %	
Benzene	< 0.0010	0.0907	0.0975	0.1000	0.0010	20.0	7.2	90.7	97.5	65-135	
Toluene	< 0.0010	0.0939	0.1020	0.1000	0.0010	20.0	8.3	93.9	102.0	65-135	
Ethylbenzene	< 0.0010	0.0941	0.1020	0.1000	0.0010	20.0	8.1	94.1	102.0	65-135	
m,p-Xylene	< 0.0020	0.1950	0.2110	0.2000	0.0020	20.0	7.9	97.5	105.5	65-135	
o-Xylene	< 0.0010	0.0962	0.1050	0.1000	0.0010	20.0	8.7	96.2	105.0	65-135	

Spike Relative Difference [F] = $200 \times (B-C)/(B+C)$


Blank Spike Recovery [G] = $100 \times (B-A)/[D]$

B.S.D. = Blank Spike Duplicate

B.S.D. Recovery [H] = $100 \times (C-A)/[D]$

N.D. = Below detection limit or not detected

All results are based on MDL and validated for QC purposes


Eddie L. Clemons, II
QA/QC Manager



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

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

On-LINE Help & Technical Services at XENCO.com

1/568

Company COC No: 262

Work Order No: 710016-1-0 Page 1 of 1

Company KEI		Phone (210) 680-3767		Lab Only: 90667-SA										Lab Only Additions											
Project Name TNMPL-TOWNSEND		<input checked="" type="checkbox"/> Previously done at XENCO		Project ID 710016-1-0		TAT: 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d Standard TAT is 10 Working Days unless otherwise agreed in writing. But often reported in 5-7 Working Days																			
Location LOVINGTOWN NM		Project Manager (PM) S. GROVER/T. NIX		Project Director (PD) M. HAWTHORNE		Remarks																			
Fax Results to (210) 680-3763/(512) 364-3556		Fax 710016-1-0		Call for a P.O.		From: Rev by: Date																			
Invoice to <input type="checkbox"/> Accounting <input type="checkbox"/> Include Invoice with Final Report Attn PM <input type="checkbox"/> Invoice must have a P.O. Bill to:		Quote No.		P.O. No. 710016-1-0		From: Rev by: Date																			
Special DLs (RR I RR II DW QAPP See Lab PM Call Proj. PM)		Specifications		Sampler Name Ken Sutton Signature Ken Sutton		From: Rev by: Date																			
Sample ID	Sampling Date	Time	Depth ft' in" m	Matrix APSW	Composite	Grab	# Containers	Container Size	Type	Preservatives	BTEX by 8020	BTEX-MTBE by 8020	TPH by TX1005	PAHs by 8270	METALS by 6010	VOAs by 8260	SVOAs by 8270	TAT 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d	Addn: PAH above	mg/L W.	mg/Kg S	Highest Hit	Hold Analysis	QUESTIONS: SG (210) 680-3767 TN (512) 364-3556	From: Rev by: Date
1 MW-1	16 FEB 99	1200				X	2	V	GAH, C	X															
2 MW-7		1230																							
3 MW-8		1300																							
4 MW-10		1330																							
5 MW-11		1400																							
6 MW-12		1430																							
7																									
8																									
9																									
10																									
Relinquished by (Initials and Signature) JD Ken Sutton		Relinquished to (Initials and Signature) Johnny Orma		Date & Time 17 FEB 99 / 1530		Total Containers per COC: 12																			
						Rush TATs Fax Due: Final Fax Due:																			
						Final Report Data Package Due Date:																			
						Rush Charges are Pro-Approved upon Requesting them. All Terms Apply																			

Preservatives - Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO4 pH<2 (N), NaOH+Asbc Acid (NAA), ZnAc+NaOH (ZA), (Cool,<4C) (C4), None (N), See Label (SL), Other (O) _____
SIZE: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1L (1), 500ml (5), Teflon Bag (B), Wipo (W), Other _____ TYPE Glass Amb (GA), Glass Clear (GC), Plastic (P), Other (O) _____



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

June 1, 1999

Project Manager: S. Grover/T. Nix
KEI Consultants, Ltd.
5309 Wurzbach Rd. Suite 100
San Antonio, TX 78238

Reference: XENCO Report No.: -92014
Project Name: EOTT
Project ID: 910039-1-0
Project Address: Lovington, NM

Dear S. Grover/T. Nix:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with XENCO Chain of Custody Number -92014.r All results being reported to you apply only to the samples analyzed, properly identified with a Laboratory ID number. This letter documents the official transmission of the contents of the report and validates the information contained within.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 3 years in our archives and after that time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. -92014r will be filed for 60 days, and after that time they will be properly disposed of without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Eddie L. Clemons, II", written over a horizontal line.

Eddie L. Clemons, II
QA/QC Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY!



ANALYTICAL CHAIN CUSTODY REPORT CHRONOLOGY OF SAMPLES

KEI Consultants, Ltd.

Project ID: 910039-1-0
Project Manager: S. Grover/T. Nix
Project Location: Lovington, NM

Project Name: EOTT

XENCO COC#: -92014
Date Received in Lab: May 19, 1999 10:45 by JO
XENCO contact : Carlos Castro/Debbie Simmons

						Date and Time				
	Field ID	Lab. ID	Method Name	Method ID	Units	Turn Around	Sample Collected	Addition Requested	Extraction	Analysis
1	MW-1	92014-001	BTEX	SW-846	ppm	7 days	May 18, 1999 13:30		May 19, 1999 by HAL	May 19, 1999 16:19 by HA
2			PAHs	SW846-8270	mg/L	7 days	May 18, 1999 13:30		May 20, 1999 by MAM	May 21, 1999 11:07 by LC
3			Tot Metal MS	EPA	mg/L	7 days	May 18, 1999 13:30		May 21, 1999 by JOS	May 24, 1999 13:38 by MAB
4	MW-7	92014-002	BTEX	SW-846	ppm	7 days	May 18, 1999 12:50		May 19, 1999 by HAL	May 19, 1999 16:36 by HA
5			PAHs	SW846-8270	mg/L	7 days	May 18, 1999 12:50		May 20, 1999 by MAM	May 21, 1999 11:57 by LC
6			Tot Metal MS	EPA	mg/L	7 days	May 18, 1999 12:50		May 21, 1999 by JOS	May 24, 1999 13:58 by MAB
7	MW-8	92014-003	BTEX	SW-846	ppm	7 days	May 18, 1999 12:30		May 19, 1999 by HAL	May 19, 1999 16:54 by HA
8			PAHs	SW846-8270	mg/L	7 days	May 18, 1999 12:30		May 20, 1999 by MAM	May 21, 1999 12:48 by LC
9			Tot Metal MS	EPA	mg/L	7 days	May 18, 1999 12:30		May 21, 1999 by JOS	May 24, 1999 14:04 by MAB
10	MW-10	92014-004	BTEX	SW-846	ppm	7 days	May 18, 1999 14:25		May 19, 1999 by HAL	May 19, 1999 17:12 by HA
11			PAHs	SW846-8270	mg/L	7 days	May 18, 1999 14:25		May 20, 1999 by MAM	May 21, 1999 13:38 by LC
12			Tot Metal MS	EPA	mg/L	7 days	May 18, 1999 14:25		May 21, 1999 by JOS	May 24, 1999 14:11 by MAB
13	MW-11	92014-005	BTEX	SW-846	ppm	7 days	May 18, 1999 13:40		May 19, 1999 by HAL	May 19, 1999 17:29 by HA
14			PAHs	SW846-8270	mg/L	7 days	May 18, 1999 13:40		May 20, 1999 by MAM	May 21, 1999 17:19 by LC
15			Tot Metal MS	EPA	mg/L	7 days	May 18, 1999 13:40		May 21, 1999 by JOS	May 24, 1999 14:37 by MAB
16	MW-12	92014-006	BTEX	SW-846	ppm	7 days	May 18, 1999 15:10		May 19, 1999 by HAL	May 19, 1999 17:47 by HA
17			PAHs	SW846-8270	mg/L	7 days	May 18, 1999 15:10		May 20, 1999 by MAM	May 21, 1999 18:09 by LC
18			Tot Metal MS	EPA	mg/L	7 days	May 18, 1999 15:10		May 21, 1999 by JOS	May 24, 1999 14:43 by MAB



CERTIFICATE OF ANALYSIS SUMMARY -92014

KEI Consultants, Ltd.

Project Name: EOTT

Date Received in Lab : May 19, 1999 10:45

Date Report Faxed: Jun 1, 1999

XENCO contact : Carlos Castro/Debbie Simmons


Project ID: 910039-1-0

Project Manager: S. Grover/T. Nix

Project Location: Lovington, NM

Analysis Requested	Lab ID:	92014 001	92014 002	92014 003	92014 004	92014 005	92014 006
	Field ID:	MW-1	MW-7	MW-8	MW-10	MW-11	MW-12
	Dopth:						
	Matrix:	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
	Sampled:	05/18/99 13:30	05/18/99 12:50	05/18/99 12:30	05/18/99 14:25	05/18/99 13:40	05/18/99 15:10
Total Metals by ICP-MS	Analyzed:	05/24/99	05/24/99	05/24/99	05/24/99	05/24/99	05/24/99
Tot Metal MS	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Aluminum	R.L.	< 0.500 (0.500)	< 0.500 (0.500)	< 0.500 (0.500)	1.171 (0.500)	< 0.500 (0.500)	0.575 (0.500)
Arsenic		< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)
Barium		0.11 (0.10)	< 0.10 (0.10)	< 0.10 (0.10)	0.13 (0.10)	0.11 (0.10)	0.12 (0.10)
Beryllium		< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)
Boron		< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)
Cadmium		< 0.010 (0.010)	< 0.010 (0.010)	< 0.010 (0.010)	< 0.010 (0.010)	< 0.010 (0.010)	< 0.010 (0.010)
Calcium		225 (0.5)	106 (0.5)	96.5 (0.5)	394 (0.5)	249 (0.5)	214 (0.5)
Chromium		< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)
Cobalt		< 0.05 (0.05)	< 0.05 (0.05)	< 0.05 (0.05)	< 0.05 (0.05)	< 0.05 (0.05)	< 0.05 (0.05)
Copper		< 0.15 (0.15)	< 0.15 (0.15)	< 0.15 (0.15)	< 0.15 (0.15)	< 0.15 (0.15)	< 0.15 (0.15)
Iron		< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)
Lead		< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)
Magnesium		19.0 (2.5)	16.2 (2.5)	15.5 (2.5)	24.8 (2.5)	17.6 (2.5)	20.5 (2.5)
Manganese		< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	0.145 (0.050)	< 0.050 (0.050)	0.053 (0.050)
Mercury		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Molybdenum		< 0.500 (0.500)	< 0.500 (0.500)	< 0.500 (0.500)	< 0.500 (0.500)	< 0.500 (0.500)	< 0.500 (0.500)
Nickel		< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)
Selenium		< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)
Silicon		22.85 (1.00)	21.65 (1.00)	20.30 (1.00)	22.80 (1.00)	21.10 (1.00)	23.45 (1.00)
Silver		< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)	< 0.025 (0.025)
Strontium		< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)	< 0.050 (0.050)
Tin		< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)	< 0.50 (0.50)
Vanadium		0.053 (0.025)	0.040 (0.025)	0.037 (0.025)	0.064 (0.025)	0.037 (0.025)	0.052 (0.025)
Zinc		< 0.15 (0.15)	< 0.15 (0.15)	< 0.15 (0.15)	0.36 (0.15)	< 0.15 (0.15)	0.17 (0.15)

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The interpretations and results expressed through this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories, however, assumes no responsibility and makes no warranty to the end use of the data hereby presented.


Eddie L. Clemons, II
QA/QC Manager



CERTIFICATE OF ANAL. & SUMMARY -92014

Project ID: 910039-1-0

Project Manager: S. Grover/T. Nix

Project Location: Lovington, NM

KEI Consultants, Ltd.

Project Name: EOTT

Date Received in Lab : May 19, 1999 10:45

Date Report Faxed: Jun 1, 1999

XENCO contact : Carlos Castro/Debbie Simmons

Analysis Requested	Lab ID:	92014 001	92014 002	92014 003	92014 004	92014 005	92014 006
	Field ID:	MW-1	MW-7	MW-8	MW-10	MW-11	MW-12
	Dolph:						
	Matrix:	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
	Sampled:	05/18/99 13:30	05/18/99 12:50	05/18/99 12:30	05/18/99 14:25	05/18/99 13:40	05/18/99 15:10
BTEX	Analyzed:	05/19/99	05/19/99	05/19/99	05/19/99	05/19/99	05/19/99
EPA 8021B	Units:	R.L.	R.L.	R.L.	R.L.	R.L.	R.L.
Benzene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Toluene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Ethylbenzene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
m,p-Xylene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
o-Xylene		< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)	< 0.001 (0.001)
Total BTEX		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAHs by GC-MS	Analyzed:	05/21/99	05/21/99	05/21/99	05/21/99	05/21/99	05/21/99
EPA 8270	Units:	R.L.	R.L.	R.L.	R.L.	R.L.	R.L.
Acenaphthene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Acenaphthylene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Anthracene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Benz(a)anthracene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Benzo(a)pyrene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Benzo(b)fluoranthene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Benzo(g,h,i)perylene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Benzo(k)fluoranthene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Chrysene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Dibenz(a,h)anthracene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Fluoranthene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Fluorene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)

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Eddie L. Clemons, II
QA/QC Manager



CERTIFICATE OF ANALYSIS SUMMARY -92014

KEI Consultants, Ltd.

Project Name: EOTT

Date Received in Lab : May 19, 1999 10:45

Date Report Faxed: Jun 1, 1999

XENCO contact : Carlos Castro/Debbie Simmons

Project ID: 910039-1-0

Project Manager: S. Grover/T. Nix

Project Location: Lovington, NM

Analysis Requested	Lab ID:	92014 001	92014 002	92014 003	92014 004	92014 005	92014 006
	Field ID:	MW-1	MW-7	MW-8	MW-10	MW-11	MW-12
	Depth:						
	Matrix:	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
	Sampled:	05/18/99 13:30	05/18/99 12:50	05/18/99 12:30	05/18/99 14:25	05/18/99 13:40	05/18/99 15:10
PAHs by GC-MS EPA 8270	Analyzed: Units:	05/21/99 R.L. mg/L	05/21/99 R.L. mg/L	05/21/99 R.L. mg/L	05/21/99 R.L. mg/L	05/21/99 R.L. mg/L	05/21/99 R.L. mg/L
Indeno(1,2,3-cd)pyrene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Naphthalene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Phenanthrene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)
Pyrene		< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)	< 0.002 (0.002)

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XENCO Laboratories, however, assumes no responsibility and makes no warranty to the end use of the data hereby presented.

Eddie L. Clemons, II
QA/QC Manager

EPA SW846/6020 Total Metals by ICP- MS

Date Validated: May 25, 1999 09:21

Analyst: MAB

Date Analyzed: May 24, 1999 13:26

Matrix: Liquid

BLANK SPIKE ANALYSIS

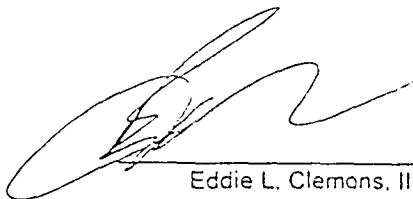
Parameter	[A] Blank Result mg/L	[B] Blank Spike Result mg/L	[C] Blank Spike Amount mg/L	[D] Detection Limit mg/L	[E]	[F]	[G] Qualifier
					QC	LIMITS	
					Blank Spike Recovery %	Recovery Range %	
Aluminum	< 0.5000	2.1815	2.0000	0.5000	109.1	70-125	
Arsenic	< 0.0250	2.2650	2.0000	0.0250	113.3	70-125	
Barium	< 0.100	1.027	1.000	0.100	102.7	70-125	
Beryllium	< 0.1000	0.4320	0.4000	0.1000	108.0	70-125	
Boron	< 0.50	2.31	2.00	0.50	115.5	70-125	
Cadmium	< 0.0040	0.4295	0.4000	0.0040	107.4	70-125	
Calcium	< 0.50	5.65	5.00	0.50	113.0	70-125	
Cesium	< 0.5000	1.0990	1.0000	0.5000	109.9	70-125	
Cobalt	< 0.1000	1.0405	1.0000	0.1000	104.1	75-125	
Copper	< 0.150	1.067	1.000	0.150	106.7	70-125	
Iron	< 0.500	2.200	2.000	0.500	110.0	70-125	
Lead	< 0.5000	2.0873	2.0000	0.5000	104.4	75-125	
Magnesium	< 2.50	4.30	4.00	2.50	107.5	70-125	
Manganese	< 0.1250	1.9825	2.0000	0.1250	99.1	70-125	
Mercury	< 0.0025	0.0045	0.0050	0.0025	90.0	70-125	
Molybdenum	< 0.500	1.035	1.100	0.500	94.1	70-125	
Nickel	< 0.5000	1.0610	1.1000	0.5000	96.5	70-125	
Selenium	< 0.0400	2.3530	2.2000	0.0400	107.0	70-125	
Silicon	< 1.000	2.000	2.000	1.000	100.0	70-125	
Silver	< 0.0250	0.9685	1.0000	0.0250	96.9	75-125	
Strontium	< 0.5000	2.0280	2.0000	0.5000	101.4	70-125	
Tin	< 0.500	1.950	2.000	0.500	97.5	70-125	

Spike Recovery [E] = 100*(B-A)/(C)

- Not calculated, data below detection limit

N.D. = Below detection limit

All results are based on MDL and validated for QC purposes only


 Eddie L. Clemons, II
 QA/QC Manager

EPA SW846/6020 Total Metals by ICP- MS

Date Validated: May 25, 1999 09:21

Analyst: MAB

Date Analyzed: May 24, 1999 13:26

Matrix: Liquid

BLANK SPIKE ANALYSIS

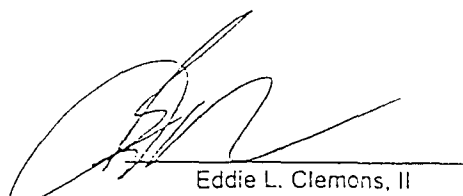
Parameter	[A]	[B]	[C]	[D]	[E]	[F]	[G]
	Blank	Blank Spike	Blank	Detection	QC	LIMITS	
	Result	Result	Spike Amount	Limit	Blank Spike Recovery	Recovery Range	
	mg/L	mg/L	mg/L	mg/L	%	%	
Vanadium	< 0.1500	1.0730	1.0000	0.1500	107.3	75-125	
Zinc	< 0.150	1.106	1.000	0.150	110.6	70-125	

 Spike Recovery [E] = $100 \times (B-A) / (C)$

Not calculated, data below detection limit

Below detection limit

All results are based on MDL and validated for QC purposes only


 Eddie L. Clemons, II
 QA/QC Manager



Certificate Of Quality Control for Batch: 19A48C52

EPA SW846/6020 Total Metals by ICP- MS

Date Validated: May 25, 1999 09:21

Analyst: MAB

Date Analyzed: May 24, 1999 13:38

Matrix: Liquid

Q.C. Sample ID 92014- 001	MATRIX DUPLICATE ANALYSIS					MATRIX SPIKE ANALYSIS				
	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]
	Sample Result	Duplicate Result	Detection Limit	QC Relative Difference	LIMITS Relative Difference	Matrix Spike Result	Matrix Spike Amount	QC Matrix Spike Recovery	LIMITS Recovery Range	Qualifier
	mg/L	mg/L	mg/L	%	%	mg/L	mg/L	%	%	
Aluminum	< 0.5000	< 0.5000	0.5000	N.C	25.0	2.5790	2.000	129.0	70-125	A
Arsenic	< 0.0250	< 0.0250	0.0250	N.C	25.0	2.3270	2.000	116.4	70-125	
Barium	0.114	0.115	0.100	0.9	25.0	1.207	1.00	109.3	70-125	
Beryllium	< 0.1000	< 0.1000	0.1000	N.C	25.0	0.4405	0.400	110.1	70-125	
Boron	< 0.500	< 0.500	0.500	N.C	25.0	2.474	2.00	123.7	70-125	
Cadmium	< 0.0040	< 0.0040	0.0040	N.C	25.0	0.4300	0.400	107.5	70-125	
Calcium	225	230	0.50	2.2	25.0	236	5.0	220.0	70-125	B,A
Chromium	< 0.5000	< 0.5000	0.5000	N.C	25.0	1.0770	1.000	107.7	70-125	
Cobalt	< 0.100	< 0.100	0.100	N.C	25.0	1.062	1.00	106.2	75-125	
Copper	< 0.150	< 0.150	0.150	N.C	25.0	1.048	1.00	104.8	70-125	
Iron	< 0.500	< 0.500	0.500	N.C	25.0	2.500	2.00	125.0	70-125	
Lead	< 0.5000	< 0.5000	0.5000	N.C	25.0	2.1895	2.000	109.5	75-125	
Magnesium	19.00	19.50	2.50	2.6	25.0	24.15	4.0	128.8	70-125	A

(A) Post-digestion spike/LCS within acceptance limits.

(B) High analyte concentration affects spike recovery.

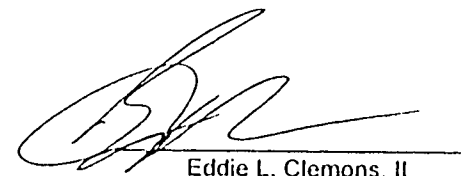
Relative Difference [D] = $200 \cdot (B-A)/(B+A)$

Matrix Spike Recovery [H] = $100 \cdot (F-A)/[G]$

N.C. = Not calculated, data below detection limit

N.D. = Below detection limit

All results are based on MDL and validated for QC purposes only


Eddie L. Clemons, II
QA/QC Manager



Certificate Of Quality Control for Batch : 19A48C52

EPA SW846/6020 Total Metals by ICP- MS

Date Validated: May 25, 1999 09:21

Analyst: MAB

Date Analyzed: May 24, 1999 13:38

Matrix: Liquid

Q.C. Sample ID 92014- 001	MATRIX DUPLICATE ANALYSIS					MATRIX SPIKE ANALYSIS				
	Sample Result mg/L	Duplicate Result mg/L	Detection Limit mg/L	QC	LIMITS	Matrix Spike Result mg/L	Matrix Spike Amount mg/L	QC	LIMITS	Qualifier
				Relative	Relative			Matrix Spike	Recovery	
				Difference	Difference			Recovery	Range	
Parameter				%	%			%	%	
Manganese	< 0.1250	< 0.1250	0.1250	N.C	25.0	2.0870	2.000	104.4	70-125	
Mercury	< 0.0025	< 0.0025	0.0025	N.C	20.0	0.0050	0.005	100.0	70-125	
Molybdenum	< 0.5000	< 0.5000	0.5000	N.C	25.0	1.0740	1.000	107.4	70-125	
Nickel	< 0.5000	< 0.5000	0.5000	N.C	25.0	1.0530	1.000	105.3	70-125	
Selenium	< 0.0400	< 0.0400	0.0400	N.C	25.0	2.2980	2.000	114.9	70-125	
Silicon	22.850	22.850	1.000	0.0	25.0	25.350	4.00	62.5	70-125	A
Silver	< 0.0250	< 0.0250	0.0250	N.C	25.0	0.0360	1.000	3.6	75-125	A
Strontium	< 0.5000	< 0.5000	0.5000	N.C	25.0	3.0010	2.000	150.1	70-125	A
Tin	< 0.500	< 0.500	0.500	N.C	25.0	2.000	2.00	100.0	70-125	
Vanadium	< 0.1500	< 0.1500	0.1500	N.C	25.0	1.1425	1.000	114.3	75-125	
Zinc	< 0.150	< 0.150	0.150	N.C	25.0	1.069	1.00	106.9	70-125	

(A) Post-digestion spike/LCS within acceptance limits.

(B) High analyte concentration affects spike recovery.

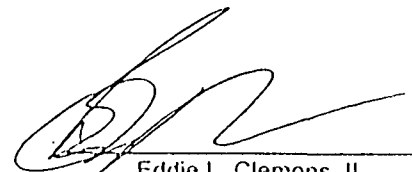
Relative Difference [D] = $200 \cdot (B-A)/(B+A)$

Matrix Spike Recovery [H] = $100 \cdot (F-A)/[G]$

N.C. = Not calculated, data below detection limit

N.D. = Below detection limit

All results are based on MDL and validated for QC purposes only


Eddie L. Clemons, II
QA/QC Manager



Certificate Of Quality Control for Batch : 19A44A39

SW846- 8270 PAHs by GC- MS

Date Validated: May 28, 1999 13:00

Analyst: LC

Date Analyzed: May 21, 1999 07:46

Matrix: Liquid

BLANK SPIKE / BLANK SPIKE DUPLICATE AND RECOVERY

Parameter	[A]	[B]	[C]	[D]	[E]	Blank Limit Relative Difference %	[F]	[G]	[H]	[I]	Qualifier
	Blank Result	Blank Spike Result	Blank Spike Duplicate Result	Blank Spike Amount	Detection Limit		QC	QC	QC	Blank Spike Recovery	
	mg/L	mg/L	mg/L	mg/L	mg/L		Spike Relative Difference %	Blank Spike Recovery %	B.S.D. Recovery %	Blank Spike Recovery Range %	
Acenaphthene	< 0.0020	0.0427	0.0426	0.0500	0.0020	31.0	0.2	85.4	85.2	46-118	
4-Chloro-3-methylphenol	< 0.0020	0.0376	0.0383	0.0500	0.0020	42.0	1.8	75.2	76.6	23-110	
2-Chlorophenol	< 0.0020	0.0342	0.0372	0.0500	0.0020	40.0	8.4	68.4	74.4	27-123	
1,4-Dichlorobenzene	< 0.0020	0.0373	0.0403	0.0500	0.0020	28.0	7.7	74.6	80.6	36-97	
2,4-Dinitrotoluene	< 0.0020	0.0441	0.0430	0.0500	0.0020	38.0	2.5	88.2	86.0	24-108	
N-Nitrosodi-n-propylamine	< 0.0040	0.0437	0.0462	0.0500	0.0040	38.0	5.6	87.4	92.4	41-116	
4-Nitrophenol	< 0.0040	0.0125	0.0131	0.0500	0.0040	50.5	4.7	25.0	26.2	10-80	
Pentachlorophenol	< 0.0010	0.0390	0.0401	0.0500	0.0010	50.0	2.8	78.0	80.2	9-103	
Phenol	< 0.0010	0.0142	0.0157	0.0500	0.0010	42.0	10.0	28.4	31.4	12-89	
Pyrene	< 0.0020	0.0569	0.0558	0.0500	0.0020	31.0	2.0	113.8	111.6	26-127	
1,2,4-Trichlorobenzene	< 0.0010	0.0389	0.0406	0.0500	0.0010	28.0	4.3	77.8	81.2	39-98	

Spike Relative Difference [F] = $200 \cdot (B-C)/(B+C)$

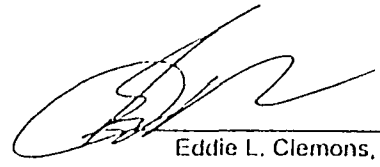
Blank Spike Recovery [G] = $100 \cdot (B-A)/[D]$

B.S.D. = Blank Spike Duplicate

B.S.D. Recovery [H] = $100 \cdot (C-A)/[D]$

N.D. = Below detection limit or not detected

All results are based on MDL and validated for QC purposes


Eddie L. Clemons, II
QA/QC Manager



Certificate Of Quality Control for Batch : 19A25C17

SW- 846 5030/802IB BTEX

Date Validated: May 20, 1999 12:00

Analyst: HA

Date Analyzed: May 19, 1999 14:15

Matrix: Liquid

BLANK SPIKE / BLANK SPIKE DUPLICATE AND RECOVERY

Parameter	[A]	[B]	[C]	[D]	[E]	Blank Limit	[F]	[G]	[H]	[I]	Qualifier
	Blank Result	Blank Spike Result	Blank Spike Duplicate Result	Blank Spike Amount	Detection Limit	Relative Difference	QC	QC	QC	Blank Spike Recovery	
	ppm	ppm	ppm	ppm	ppm	%	Spike Relative Difference %	Blank Spike Recovery %	B.S.D. Recovery %	Recovery Range %	
Benzene	< 0.0010	0.0964	0.0927	0.1000	0.0010	20.0	3.9	96.4	92.7	65-135	
Toluene	< 0.0010	0.0995	0.0966	0.1000	0.0010	20.0	3.0	99.5	96.6	65-135	
Ethylbenzene	< 0.0010	0.0923	0.0908	0.1000	0.0010	20.0	1.6	92.3	90.8	65-135	
m,p-Xylene	< 0.0020	0.1869	0.1812	0.2000	0.0020	20.0	3.1	93.5	90.6	65-135	
o-Xylene	< 0.0010	0.1064	0.1034	0.1000	0.0010	20.0	2.9	106.4	103.4	65-135	

Spike Relative Difference [F] = $200 \cdot (B-C)/(B+C)$

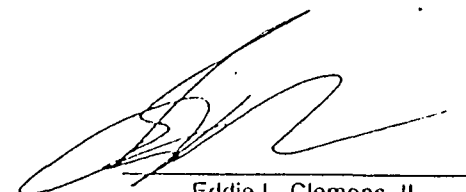
Blank Spike Recovery [G] = $100 \cdot (B-A)/[D]$

B.S.D. = Blank Spike Duplicate

B.S.D. Recovery [H] = $100 \cdot (C-A)/[D]$

N.D. = Below detection limit or not detected

All results are based on MDL and validated for QC purposes


Eddie L. Clemons, II
QA/QC Manager



- ☐ 11381 Meadowglen, Suite L, Houston TX 77062 281-589-0392
☒ 5309 Wurzbach Road, Suite 104, San Antonio, TX 78238 210-509-3334
☐ 11078 Morrison Road, Suite D, Dallas, TX 75229 972-481-9999

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD
On-LINE Help & Technical Services at XENCO.com

Company COC No: 341

Work Order No: 910039-1-0 Page 1 of 1

002

Company KEI		Phone (214) 680-3767		Lab Only: 92014 - SA										Lab Only Additions																																		
Project Name EOTT		Project ID 910039-1-0		TAT: 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d Standard TAT is 10 Working Days unless otherwise agreed in writing. But often reported in 5-7 Working Days																																												
Location LOVINGTON NM		Project Director (PD) M. HAWTHORNE		<table border="1"><tr><th colspan="15">Remarks</th></tr><tr><td colspan="15">S. GROVER (214) 680-3767 T. NIX (512) 364-3699</td></tr></table>															Remarks															S. GROVER (214) 680-3767 T. NIX (512) 364-3699														
Remarks																																																
S. GROVER (214) 680-3767 T. NIX (512) 364-3699																																																
Project Manager (PM) S. GROVER / T. NIX		Fax Results to (214) 680-3763 / (512) 364-3556																																														
Invoice to <input type="checkbox"/> Accounting <input type="checkbox"/> Include Invoice with Final Report Attn PM <input type="checkbox"/> Invoice must have a P.O. Bill to: 910039-1-0		Quote No. P.O. No <input type="checkbox"/> Call for a P.O.																																														
Special DLs (RR I RR II DW QAPP See Lab PM Call Proj. PM)		Specifications																																														
Sampler Name Ken Dutton		Signature																																														
Sample ID	Sampling Date	Time	Depth in' m	Matrix AP SW	Composite	Grab	# Containers	Container Size	Type	Preservatives	STEX by 8020	STEX-MTBE by 8020	TPH by TX1005	PAHs by 8270	METALS by 6010	VOCs by 8260	SVOAs by 8270	TAT 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d	Acid: PAH above mg/L W.	mg/Kg S Highest Hit	Hold Analysis	Remarks	From:	Rev by:	Date																							
MW-1	18 MAY 99	1330		W	X	X	1	1	GP	HCl	X	X	X	X	X	X	X																															
MW-7		1250																																														
MW-8		1230																																														
MW-10		1425																																														
MW-11		1340																																														
MW-12		1510																																														
Relinquished by (Initials and Signature)		Relinquished to (Initials and Signature)		Date & Time 18 MAY 99 / 1630		Total Containers per COC: 24										Rush TATs Fax Due:		Final Fax Due:																														
		Lab: Johnny Orma		5/19/99 10:45		Final Report Data Package Due Date:										Rush Charges are Pre-Approved upon Requesting them. All Terms Apply																																

Preservatives - Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), NaOH + Ascorbic Acid (NAA), ZnAc + NaOH (ZA), (Cool <4C) (C4), None (N), See Label (SL), Other (O) **HNO3**
SIZE: 4oz (4), 1oz (B), 32oz (32), 40oz VOA (V), 1L (1), 500ml (.5), Teflon Bag (B), Wipo (W), Other (O)
TYPE: Glass Amb (GA), Glass Clear (GC), Plastic (P), Other (O)

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: TOWNSLND-97-04FIELD TECHNICIAN: KDDATE: 13 SEP 99

WELL NO.	TIME WELL PURGED	TOTAL WELL DEPTH (feet)	DEPTH TO WATER (feet)	HEIGHT WATER COLUMN (feet)	WELL FACTOR	CALC. WELL VOLUME (gal)	TOTAL WATER PURGED (gal)	ESTIMATED NO. WELL VOLUMES PURGED	1999 TIME SAMPLE TAKEN/DATE	DEPTH TO PSH (feet)	PSH THICKNESS (feet)	SAMPLE CHARACTERISTIC
MW-1	9-13 1300	63.80	52.98	10.82	.16	1.73	5.19	3.0	9-14 1555		T 19.5 PH 7.34	C 814.6ms O 141mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-7	9-16 0900	66.35	53.25	13.10	.65	8.51	25.54	3.0	9-16 0945		T 18.4 PH 7.58	C 833.4ms O 96mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-8	9-16 0950	64.60	52.47	12.13	.65	7.55	22.67	3.0	9-16 1040		T 18.5 PH 7.46	C 755.8ms O 31mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-10	9-13 1220	64.30	53.08	11.22	.16	1.79	5.38	3.0	9-14 1525		T 21.0 PH 7.17	C 1007ms O 106mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-11	9-13 1340	63.80	53.83	9.97	.16	1.60	4.78	3.0	9-14 1645		T 19.3 PH 7.08	C 743.5ms O 156mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-12	9-13 1240	63.75	52.82	10.93	.16	1.74	5.24	3.0	9-14 1545		T 20.1 PH 7.85	C 780.1ms O 134mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-13	9-13 1330	64.15	53.80	10.35	.16	1.65	4.96	3.0	9-14 1620		T 19.6 PH 7.57	C 657.8ms O 156mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-14	9-13 1355	64.05	54.49	9.56	.16	1.52	4.58	3.0	9-14 1535		T 20.3 PH 7.29	C 640.7ms O 128mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-15	9-13 1315	63.70	53.34	10.36	.16	1.65	4.97	3.0	9-14 1610		T 19.7 PH 7.48	C 612.8ms O 147mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
Total Removed: <u>83.31</u> gal.												

DRUMS ON SITE: _____

CARBON DRUM TRAILER: (yes/no) _____

DISCHARGE SAMPLE (time/date): _____

pH: _____

COMMENTS:

(COC: 0.1821)
PTD @ 1110: 66.3 16 SEP 99

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: TOWNSLND-97-04FIELD TECHNICIAN: KDDATE: 13 SEP 99

WELL NO.	TIME WELL PURGED	TOTAL WELL DEPTH (feet) 1	DEPTH TO WATER (feet) 2	HEIGHT WATER COLUMN (feet) (1-2)=3	WELL FACTOR 2"=.16 4"=.65 6"=1.5 4	CALC. WELL VOLUME (gal) (3x4)=5	TOTAL WATER PURGED (gal) 6	ESTIMATED NO. WELL VOLUMES PURGED 6/5	1999 TIME SAMPLE TAKEN/DATE	DEPTH TO PSH (feet)	PSH THICKNESS (feet)	SAMPLE CHARACTERISTIC
MW-1	9-13 1300	63.80	52.98	10.82	.16	1.73	5.19	3.0	9-14 1555		T 19.5 PH 7.34	C 814.6ms O 141mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-7	9-16 0900	66.35	53.25	13.10	.65	8.51	25.54	3.0	9-16 0945		T 18.4 PH 7.58	C 833.4ms O 96mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-8	9-16 0950	64.60	52.47	11.63	.65	7.55	22.67	3.0	9-16 1040		T 18.5 PH 7.46	C 755.8ms O 31mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-10	9-13 1220	64.30	53.08	11.22	.16	1.79	5.38	3.0	9-14 1525		T 21.0 PH 7.17	C 1007ms O 106mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-11	9-13 1340	63.80	53.83	9.97	.16	0.160	4.78	3.0	9-14 1645		T 19.3 PH 7.08	C 743.5ms O 156mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-12	9-13 1240	63.75	52.82	10.93	.16	1.74	5.24	3.0	9-14 1545		T 20.1 PH 7.85	C 780.1ms O 134mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-13	9-13 1330	64.15	53.80	10.35	.16	1.65	4.96	3.0	9-14 1620		T 19.6 PH 7.57	C 657.8ms O 156mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-14	9-13 1355	64.05	54.49	9.56	.16	1.52	4.58	3.0	9-14 1535		T 20.3 PH 7.29	C 640.7ms O 128mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							
MW-15	9-13 1315	63.70	53.34	10.36	.16	1.65	4.97	3.0	9-14 1610		T 19.7 PH 7.48	C 612.8ms O 147mv
CONDITION:	Cover:	Cap:	Casing:	Lock:	Manway/Pad:							

Total Removed: 83.31 gal.

DRUMS ON SITE: _____

CARBON DRUM TRAILER: (yes/no) _____

DISCHARGE SAMPLE (time/date): _____

pH: _____

COMMENTS:

(COC: 0.18/21)
PTD @ 1110: 66.3 16 SEP 99

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 021

Phone #: (915) 664-9166

JESSE TAYLOR

FAX #:

ETGI

P.O. Box 4845 MIDLAND, TX 79704

Project Name :

TNM 97-04

TOWNSEND

Sampler Signature:

LEA COUNTY NM

Sampler Signature: _____

BTX 80205030

TPH 418.1

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

Total Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Vol

TDS

RCI

1

REMARKS

Ken Daulton

9-17-99

1500

Runde d Kippen

Received by:

Received by Laboratory:

RESULTS

KEN DUTTON
1646 W. CALLE SUR, APT B
1403BS, NM 88240-0785

TELETYPE: LONDON FIRST 20th 1015M

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

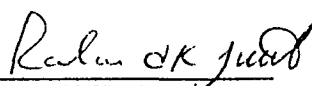
ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: TNM 97-04
Project Name: Townsend
Project Location: Lea County, N.M.

Sample Date: 09/14/99
Receiving Date: 09/15/99
Analysis Date: 09/21/99
Analysis Date: Hg 9/17/99
Analysis Date: Mo, Sn, B, Sr 9/29/99

Analyte (mg/L)	MW-13 20016	MW-14 20017	MW-15 20018	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	0.6510	0.2960	10.70	0.0500	94	99	<0.0500	17.10
Arsenic	0.0060	ND	0.0070	0.0050	98	102	<0.0050	0.00
Barium	0.0840	0.0760	0.5530	0.0100	85	93	<0.0100	0.52
Beryllium	ND	ND	ND	0.0040	90	100	<0.0040	0.00
Cadmium	ND	ND	ND	0.0010	90	98	<0.0010	0.00
Calcium	81.40	89.20	282.0	1.000	*	*	<1.000	0.42
Chromium	ND	ND	0.0190	0.0050	92	101	<0.0050	0.49
Cobalt	ND	ND	ND	0.0200	88	95	<0.0200	0.21
Copper	ND	ND	ND	0.0100	86	92	<0.0100	0.00
Iron	0.3100	0.1430	6.370	0.0500	90	105	<0.0500	53.38
Lead	ND	ND	ND	0.0030	94	108	<0.0030	3.64
Magnesium	12.00	14.40	18.80	1.000	*	*	<1.000	0.90
Manganese	0.0320	0.0470	0.1680	0.0150	91	100	<0.0150	8.44
Mercury	ND	ND	ND	0.00020	102	108	<0.00020	5.71
Molybdenum	ND	ND	ND	0.050	101	*	<0.050	N/A
Nickel	ND	ND	0.0120	0.0100	91	98	<0.0100	0.41
Potassium	2.850	2.300	4.160	1.000	*	*	<1.000	N/A
Selenium	0.0070	0.0060	ND	0.0050	104	104	<0.0050	3.92
Silver	ND	ND	ND	0.0050	80	82	<0.0050	2.41
Sodium	52.90	29.60	42.70	1.000	*	*	<1.000	0.32
Tin	ND	ND	ND	0.0500	90	*	<0.0500	N/A
Vanadium	0.0310	0.0350	0.0740	0.0200	85	93	<0.0200	0.21
Zinc	ND	ND	0.0790	0.0200	91	96	<0.0200	3.15
Boron	0.154	0.124	0.237	0.050	97	*	<0.050	N/A
Strontium	0.439	0.622	0.709	0.050	89	*	<0.050	N/A

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


Randal K. Tuttle

9-30-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: TNM 97-04
Project Name: Townsend
Project Location: Lea County, N.M.
Field Code: MW-13

Sampling Date: 09/14/99
Receiving Date: 09/15/99
Extraction Date: 09/20/99
Analysis Date: 09/23/99

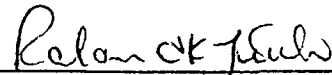
EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 20016	RPD	%EA	%IA
Naphthalene	0.005	ND			86
Acenaphthylene	0.005	ND			88
Acenaphthene	0.005	ND	5.41	36	86
Fluorene	0.005	ND			86
Phenanthrene	0.005	ND			88
Anthracene	0.005	ND			86
Fluoranthene	0.005	ND			90
Pyrene	0.005	ND	3.08	32	82
Benzo[a]anthracene	0.005	ND			86
Chrysene	0.005	ND			90
Benzo[b]fluoranthene	0.005	ND			80
Benzo[k]fluoranthene	0.005	ND			88
Benzo [a]pyrene	0.005	ND			86
Indeno[1,2,3-cd]pyrene	0.005	ND			96
Dibenz[a,h]anthracene	0.005	ND			108
Benzo[g,h,i]perylene	0.005	ND			96

% RECOVERY

Nitrobenzene-d5 SURR	46
2-Fluorobiphenyl SURR	49
Terphenyl-d14 SURR	42

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510


Raland K. Tuttle

9-27-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: TNM 97-04
Project Name: Townsend
Project Location: Lea County, N.M.
Field Code: MW-14

Sampling Date: 09/14/99
Receiving Date: 09/15/99
Extraction Date: 09/20/99
Analysis Date: 09/23/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 20017	RPD	%EA	%IA
Naphthalene	0.005	ND			86
Acenaphthylene	0.005	ND			88
Acenaphthene	0.005	ND	5.41	36	86
Fluorene	0.005	ND			86
Phenanthrene	0.005	ND			88
Anthracene	0.005	ND			86
Fluoranthene	0.005	ND			90
Pyrene	0.005	ND	3.08	32	82
Benzo[a]anthracene	0.005	ND			86
Chrysene	0.005	ND			90
Benzo[b]fluoranthene	0.005	ND			80
Benzo[k]fluoranthene	0.005	ND			88
Benzo [a]pyrene	0.005	ND			86
Indeno[1,2,3-cd]pyrene	0.005	ND			96
Dibenz[a,h]anthracene	0.005	ND			108
Benzo[g,h,i]perylene	0.005	ND			96

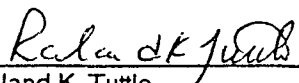
% RECOVERY

Nitrobenzene-d5 SURR
2-Fluorobiphenyl SURR
Terphenyl-d14 SURR

55
58
36

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510


Raland K. Tuttle

9-27-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: TNM 97-04
Project Name: Townsend
Project Location: Lea County, N.M.
Field Code: MW-15

Sampling Date: 09/14/99
Receiving Date: 09/15/99
Extraction Date: 09/20/99
Analysis Date: 09/23/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 20018	RPD	%EA	%IA
Naphthalene	0.005	ND			86
Acenaphthylene	0.005	ND			88
Acenaphthene	0.005	ND	5.41	36	86
Fluorene	0.005	ND			86
Phenanthrene	0.005	ND			88
Anthracene	0.005	ND			86
Fluoranthene	0.005	ND			90
Pyrene	0.005	ND	3.08	32	82
Benzo[a]anthracene	0.005	ND			86
Chrysene	0.005	ND			90
Benzo[b]fluoranthene	0.005	ND			80
Benzo[k]fluoranthene	0.005	ND			88
Benzo [a]pyrene	0.005	ND			86
Indeno[1,2,3-cd]pyrene	0.005	ND			96
Dibenz[a,h]anthracene	0.005	ND			108
Benzo[g,h,i]perylene	0.005	ND			96


% RECOVERY

Nitrobenzene-d5 SURR
2-Fluorobiphenyl SURR
Terphenyl-d14 SURR

56
59
34

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510


Raland K. Tuttle

9-27-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 970-461-1058

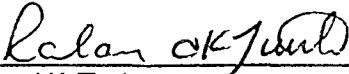
Sample Type: Water
Sample Condition: Intact/ Iced/HCl
Project #: TNM 97-04
Project Name: Townsend
Project Location: Lea County, N.M.

Sampling Date: 09/14/99
Receiving Date: 09/15/99
Analysis Date: 09/15/99

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
20012	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
20013	MW-10	<0.001	<0.001	<0.001	<0.001	<0.001
20014	MW-11	<0.001	<0.001	<0.001	<0.001	<0.001
20015	MW-12	<0.001	<0.001	<0.001	<0.001	<0.001
20016	MW-13	<0.001	<0.001	<0.001	<0.001	<0.001
20017	MW-14	0.019	0.016	0.003	0.008	0.004
20018	MW-15	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	96	92	92	90	91
% EA	99	93	94	94	94
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020,5030


Raland K. Tuttle

9-27-99
Date

ENVIRONMENTAL

LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

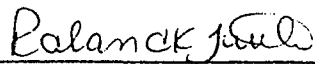
Sample Type: Water
Sample Condition: Intact/ Iced/HCl
Project #: TNM 97-04
Project Name: Townsend
Project Location: Lea County, N.M.

Sampling Date: 09/16/99
Receiving Date: 09/17/99
Analysis Date: 09/17/99

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
20096	MW-7	<0.001	<0.001	<0.001	<0.001	<0.001
20097	MW-8	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	101	95	96	95	94
% EA	94	90	91	90	89
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020,5030


Raland K. Tuttle

9-23-99
Date

ENVIRONMENTAL

LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

ATTN: MR. JESSE TAYLOR

P.O. BOX 4845

MIDLAND, TEXAS 79704

FAX: 915-520-4310

Sample Type: Water

Sample Condition: Intact/ Iced

Project #: TNM 97-04

Project Name: Townsend

Project Location: Lea County, N.M.

Sampling Date: 09/14/99

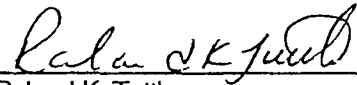
Receiving Date: 09/15/99

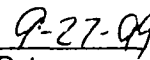
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
20016	MW-13	120	53	0	150	451
20017	MW-14	121	35	0	225	473
20018	MW-15	134	53	0	175	458

QUALITY CONTROL	55.1	5052	*	*	*
TRUE VALUE	50.0	5000	*	*	*
% PRECISION	110	101	*	*	*
ANALYSIS DATE	9/21/99	9/17/99	9/21/99	9/21/99	9/20/99

METHODS: EPA 375.4, 325.3, 310, 160.1


Raland K. Tuttle


Date

Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

POC: 018

Project Manager:

Phone #: (915) 664-9166

FAX #:

JESSE TAYLOR

ANALYSIS REQUEST

Company Name & Address:

ETGI

P.O. Box 4845 MIDLAND, TX 79704

Project #:

TNM 97-04

Project Name:

TOWNSLAND

Project Location:

LEA COUNTY NM

Sampler Signature:

[Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX					PRESERVATIVE METHOD					SAMPLING		DATE	TIME	DTX 8020 5030	TPI 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	PAH (8100 or 8270)	TDS (1601)	ANIONS (300)	CATIONS (6010)	HEAVY METALS (ICP SCAN)	(6010)
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE	HOHE	OTHER	1999																	
20012	MW-1	2	V	X					X	X				9-14	1535	X															
20013	MW-10	2	V												1525																
20014	MW-11	2	V												1645																
20015	MW-12	2	V												1545																
20016	MW-13	7	V.5							X					1620										X	X	X	X	X		
20017	MW-14	7													1535																
20018	MW-15	7													1610																

Relinquished by:

Date:

Time:

Received by:

REMARKS RESULTS:

Relinquished by:

Date:

Time:

Received by:

Relinquished by:

Date:

Time:

Received by Laboratory:

KEN DUTTON
1606 W. CALLE SUR, APT B
HOBBBS, NM 88240-0985

10:45

[Signature]

INVOICE: LENNAH FROST 1015M

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: TNm 97-04FIELD TECHNICIAN: SC/KDDATE: 12-15-99

WELL NO.	TIME WELL PURGED	TOTAL WELL DEPTH (feet) 1	DEPTH TO WATER (feet) 2	HEIGHT WATER COLUMN (feet) (1-2)=3	WELL FACTOR 2"=.16 4"=.65 6"=1.5 4	CALC. WELL VOLUME (gal) (3x4)=5	TOTAL WATER PURGED (gal) 6	ESTIMATED NO. WELL VOLUMES PURGED 6/5	1999 TIME SAMPLE TAKEN/DATE	DEPTH TO PSII (feet)	PSII THICKNESS (feet)	SAMPLE CHARACTERISTIC
MW1	1400	63.70	53.00	10.70	.16	1.71	5.13	3.0	12-16 0815			
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW2			56.09							52.39	3.70	
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW3			56.22	(55.51)						53.02 (52.31)	3.20	
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW4			56.60	(55.53)						53.53 (52.46)	3.07	
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW5			54.80	(53.43)						53.91 (52.54)	0.89	
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW6			56.28							52.66	3.62	
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW7	1245	66.35	53.26	13.09	.65	8.50	25.52	3.0	12-16 0820	52.39		
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW8	1305	64.60	52.95	11.65	.65	7.57	22.71	3.0	12-16 0842			
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW9			55.11							52.91	2.20	
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
Total Removed: _____ gal.												

DRUMS ON SITE: _____

COMMENTS: _____

CARBON DRUM TRAILER: (yes/no) _____

DISCHARGE SAMPLE (time/date): _____

pH: _____

GROUND WATER MONITORING AND SAMPLING DATA

JOB NO.: TRM 97-04

FIELD TECHNICIAN: SC/KD

DATE: 12-15-99

WELL NO.	TIME WELL PURGED	TOTAL WELL DEPTH (feet) 1	DEPTH TO WATER (feet) 2	HEIGHT WATER COLUMN (feet) (1-2)=3	WELL FACTOR 2"=.16 4"=.65 6"=1.5 4	CALC. WELL VOLUME (gal) (3x4)=5	TOTAL WATER PURGED (gal) 6	ESTIMATED NO. WELL VOLUMES PURGED 6/5	1999 TIME SAMPLE TAKEN/DATE	DEPTH TO PSH (feet)	PSH THICKNESS (feet)	SAMPLE CHARACTERISTIC
MW10	1350	63.40	53.14	10.26	.16	1.64	4.92	3.0	12-16 0835			
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW11	1430	63.85	53.86	9.99	.16	1.59	4.79	3.0	12-16 0905			
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW12	1337	63.59	52.86	10.73	.16	1.71	5.15	3.0	12-16 0827			
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW13	1410	64.15	53.80	10.35	.16	1.65	4.96	3.0	12-16 0900			
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW14	1440	64.06	54.50	9.56	.16	1.52	4.58	3.0	12-16 0915			
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
MW15	1420	63.83	53.35	9.68	.16	1.54	4.64	3.0	12-16 0850			
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
RW1			51.29							48.31	2.98	
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
CONDITION: Cover: Cap: Casing: Lock: Manway/Pad:												
Total Removed: _____ gal.												

DRUMS ON SITE: _____

COMMENTS: _____

CARBON DRUM TRAILER: (yes/no) _____

DISCHARGE SAMPLE (time/date): _____

pH: _____

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water
Sample Condition: Intact/leached/HCl
Project #: EOT1015C
Project Name: TNM 97-04
Project Location: Lovington, N.M.

Sampling Date: 12/16/99
Receiving Date: 12/17/99
Analysis Date: 12/19/99

ELTH	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYL BENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
22420	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
22421	MW-7	<0.001	<0.001	<0.001	<0.001	<0.001
22422	MW-8	<0.001	<0.001	<0.001	<0.001	<0.001
22423	MW-10	<0.001	<0.001	<0.001	<0.001	<0.001
22424	MW-11	<0.001	<0.001	<0.001	<0.001	<0.001
22425	MW-12	<0.001	<0.001	<0.001	<0.001	<0.001
22426	MW-13	<0.001	<0.001	<0.001	<0.001	<0.001
22427	MW-14	0.040	0.018	0.009	0.034	0.007
22428	MW-15	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	95	92	93	93	93
% EA	101	98	98	99	98
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B, 5030

Raland K. Tuttle
Raland K. Tuttle

12-21-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

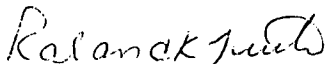
Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT1015C
Project Name: TNM 97-04
Project Location: Lovington, N.M.

Sampling Date: 12/16/99
Receiving Date: 12/17/99
Analysis Date: 12/19/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
22420	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
22421	MW-7	<0.001	<0.001	<0.001	<0.001	<0.001
22422	MW-8	<0.001	<0.001	<0.001	<0.001	<0.001
22423	MW-10	<0.001	<0.001	<0.001	<0.001	<0.001
22424	MW-11	<0.001	<0.001	<0.001	<0.001	<0.001
22425	MW-12	<0.001	<0.001	<0.001	<0.001	<0.001
22426	MW-13	<0.001	<0.001	<0.001	<0.001	<0.001
22427	MW-14	0.040	0.018	0.009	0.034	0.007
22428	MW-15	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	95	92	93	93	93
% EA	101	98	98	99	98
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030


Raland K. Tuttle

12-21-99
Date

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

ANALYSIS REQUEST

Project Location: LOUGHBOROUGH NIM Sampler Signature: [Signature]

Relinquished by: <i>Simon Cass</i>	Date: <i>12-16-99</i>	Times:	Received by: <i>[Signature]</i>	REMARKS <i>MAIL RESULTS: K. DUTTON</i>
Relinquished by: <i>[Signature]</i>	Date: <i>12-17-99</i>	Times: <i>1340</i>	Received by: <i>g mcmurray</i>	
Relinquished by:	Date:	Times:	Received by Laboratory:	

