1R - 404

REPORTS

DATE:

4/2003

ANNUAL MONITORING REPORT

nohle

EOTT ENERGY, LLC
LEA STATION TO MONUMENT 6 INCH
NE ¼, SE ¼ OF SECTION 5, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

PREPARED FOR:

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

PREPARED BY:

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

April 2003

Camille Reynolds
Project Manager

Chance I. Johnson
New Mexico Regional Manager

TABLE OF CONTENTS

INTRODUCTION

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

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

FIELD ACTIVITIES

The site monitor wells were installed during this reporting period and sampled in accordance with established NMOCD initial sampling guidelines. The monitor wells were gauged and sampled on May 2, September 17, and November 19, 2002. During each sampling event, the monitor wells designated to be sampled were purged of approximately three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were stored in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Pate Trucking, Hobbs, New Mexico or Vista Trucking of Eunice, New Mexico utilizing a licensed disposal facility (NMOCD AO SWD-730).

GROUNDWATER GRADIENT

Locations of the monitor wells and the inferred groundwater gradient, as measured on November 19, 2002, are depicted on Figure 2, the Groundwater Gradient Map. 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 0.0002 ft/ft to the southeast as measured between groundwater monitor wells MW-2 and MW-6. The depth to groundwater, as measured from the top of the well casing, ranged between 39.24 to 40.85 feet in the shallow alluvial aquifer.

LABORATORY RESULTS

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

exceeded regulatory standards for benzene and BTEX are indicated on Figure 3, the NMOCD Site Map.

Laboratory results for the groundwater samples obtained during the calendar year 2002 monitoring period indicate that benzene and BTEX concentrations were below NMOCD regulatory standards for monitor wells MW-1, MW-2, MW-3, MW-4, and MW-6. Benzene concentrations for monitor well MW-5 were above NMOCD regulatory standards while BTEX concentrations were below NMOCD regulatory standards.

SUMMARY

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

Groundwater elevation contours, generated from the final quarterly event of calendar year 2002 water level measurements, indicated a general gradient of approximately 0.0002 ft/ft to the southeast as measured between groundwater monitor wells MW-2 and MW-6.

Laboratory results for the groundwater samples obtained during the calendar year 2002 monitoring period indicate that benzene and BTEX concentrations were below NMOCD regulatory standards for monitor wells MW-1, MW-2, MW-3, MW-4, and MW-6. Benzene concentrations for monitor well MW-5 were above NMOCD regulatory standards while BTEX concentrations were below NMOCD regulatory standards.

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Copy Number 1

Quality Control Review

FIGURES

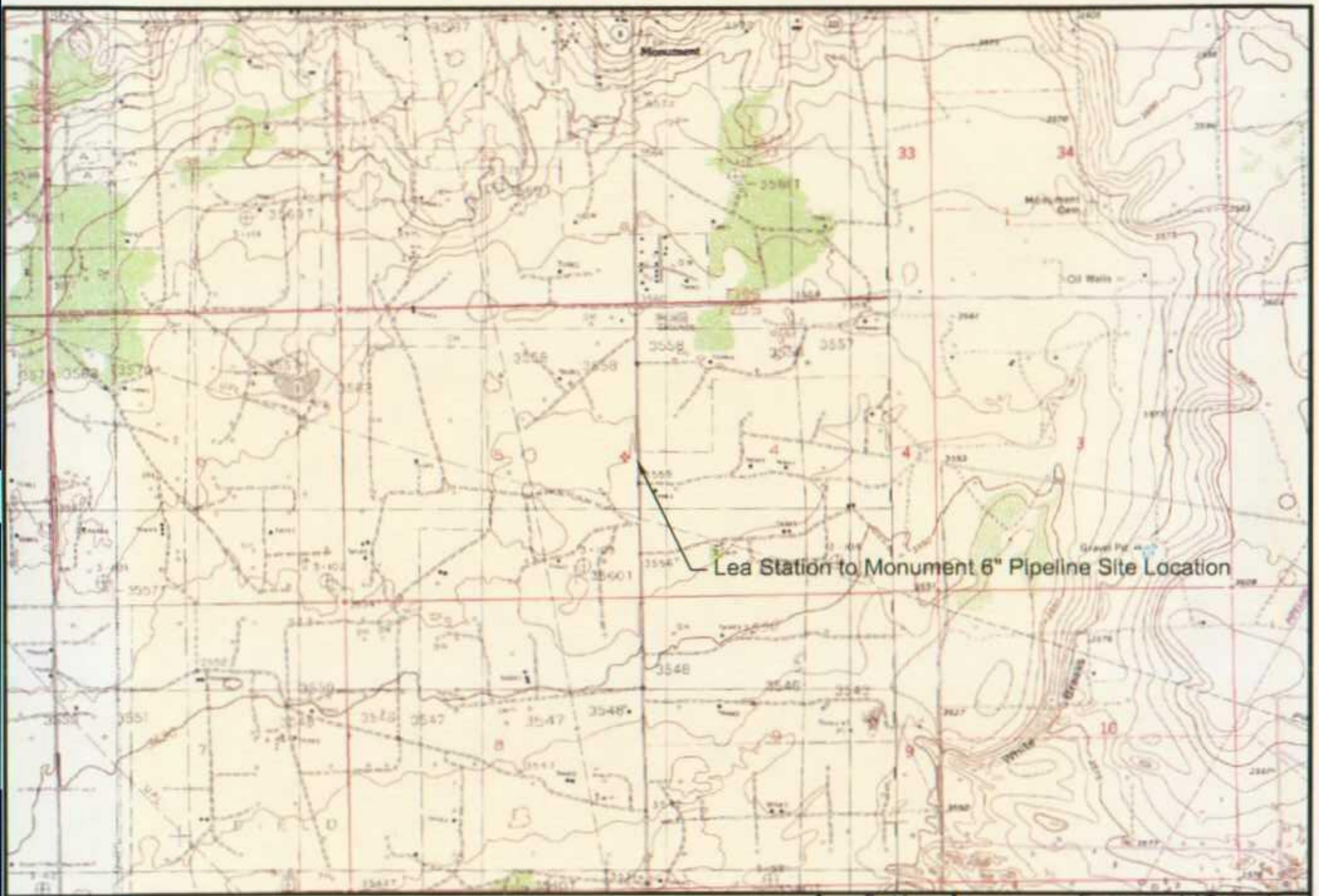
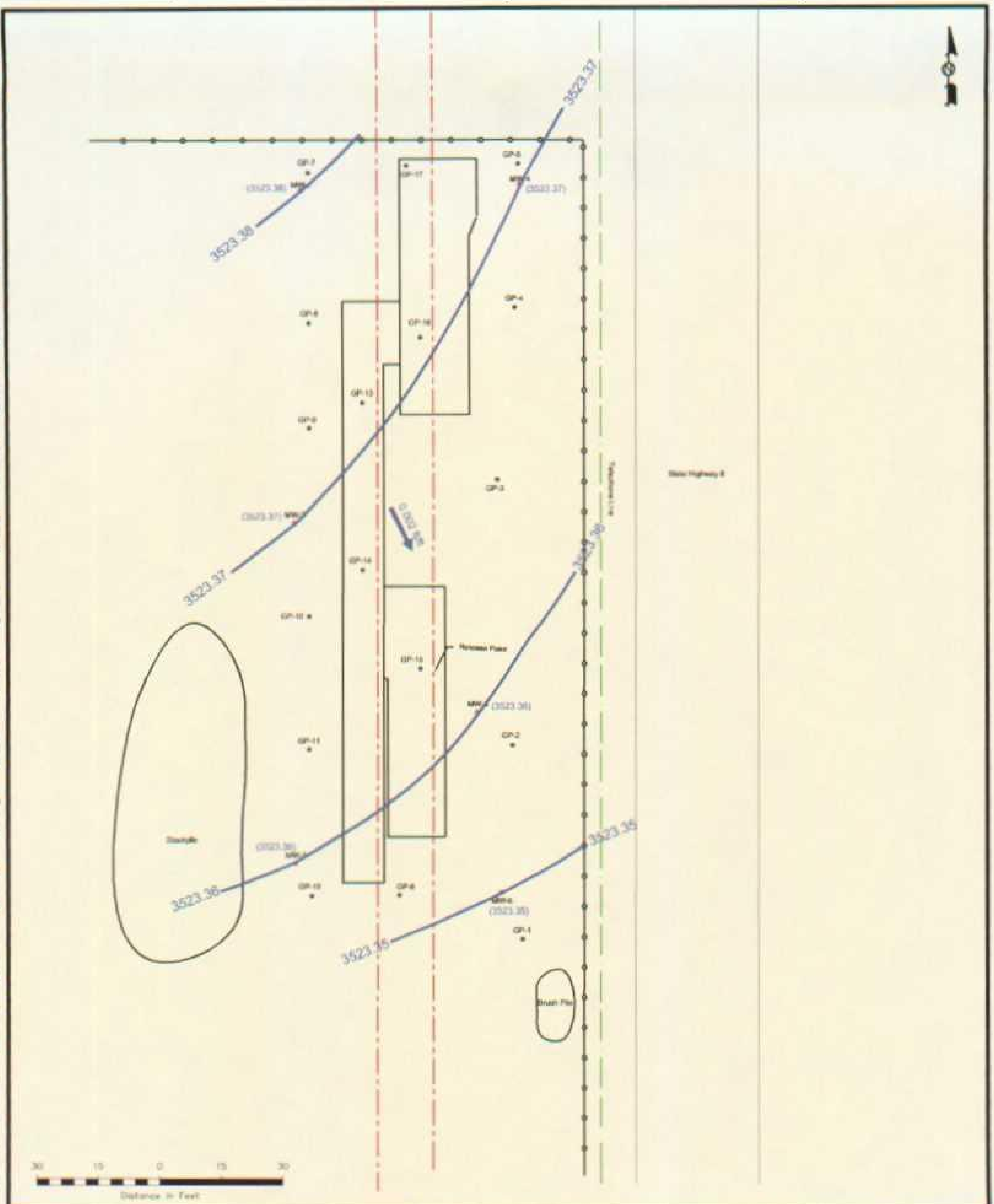


Figure 1
Site Location
Map
SCOTT Energy Pipeline, LP
Lea Station to
Monument 6" Pipeline
Lea County, NM

Environmental Technology
Group, Inc.



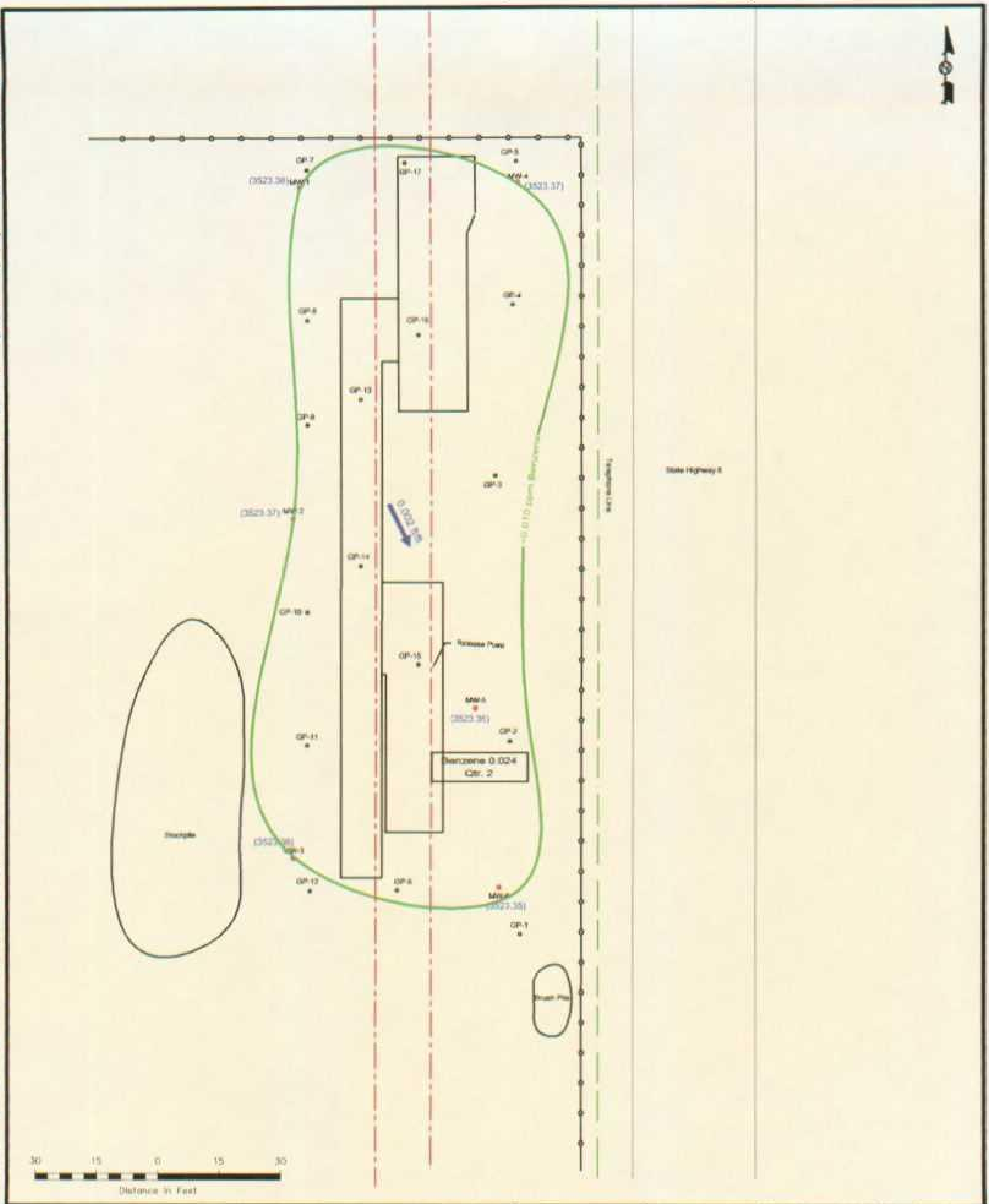
Legend
- • GeoProbe Sample Location
- Pipeline
- Fence
- Monitor Well Location
- Groundwater Gradient Contour
- (3523.35) Groundwater Elevation (in Feet)
- 0.002 ft/ft Groundwater Gradient Direction and Magnitude

NE 1/4, SE 1/4, Sec. 5, T20S, R37E

Figure 2
Groundwater Gradient Map
EOTT Energy Pipeline, LP
Lea Station to
Monument 6" Pipeline
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 30'	Prep By:	Checked By:
February 2003	Lat.	Long.
ETGI Project #		



Legend

- • GeoProbe Sample Location
- Pipeline
- Fence
- Monitor Well Location

(3523.35) Groundwater Elevation (in Feet)

0.002 ft/ft Groundwater Gradient Direction and Magnitude

NE 1/4, SE 1/4, Sec. 5, T20S, R37E

Figure 3
NMOCD Site Map
11/19/02
EOTT Energy Pipeline, LP
Lea Station to
Monument 6" Pipeline
Lea County, NM

ETGI

Environmental Technology Group, Inc.

Scale: 1" = 30'	Prep By: JDJ	Checked By: RB
February 10, 2000	Lat: 32° 36' 6.4"N	Long: 103° 17' 55.1"
ETGI Project # EOT2076C		

TABLES

TABLE 1

GROUNDWATER ELEVATION

EOTT ENERGY, LLC
LEA STATION TO MONUMENT 6" PIPELINE
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2078

SAMPLE LOCATION	SAMPLE DATE	WELL CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	5/1/2002	3562.67	ND	38.71	0.00	3523.96
	05/02/02	3562.67	ND	38.68	0.00	3523.99
	09/17/02	3562.67	ND	39.15	0.00	3523.52
	11/19/02	3562.67	ND	39.31	0.00	3523.38
MW - 2	05/01/02	3563.00	ND	39.04	0.00	3523.96
	05/02/02	3563.00	ND	39.04	0.00	3523.96
	09/17/02	3563.00	ND	39.47	0.00	3523.53
	11/19/02	3563.00	ND	39.63	0.00	3523.37
MW - 3	05/01/02	3562.60	ND	38.65	0.00	3523.95
	05/02/02	3562.60	ND	38.65	0.00	3523.95
	09/17/02	3562.60	ND	39.10	0.00	3523.50
	11/19/02	3562.60	ND	39.24	0.00	3523.36
MW - 4	05/01/02	3562.85	ND	38.89	0.00	3523.96
	05/02/02	3562.85	ND	38.85	0.00	3524.00
	09/17/02	3562.85	ND	39.34	0.00	3523.51
	11/19/02	3562.85	ND	39.48	0.00	3523.37
MW - 5	05/01/02	3564.21	ND	40.25	0.00	3523.96
	05/02/02	3564.21	ND	40.24	0.00	3523.97
	09/17/02	3564.21	ND	40.70	0.00	3523.51
	11/19/02	3564.21	ND	40.85	0.00	3523.36
MW - 6	05/01/02	3563.29	ND	39.34	0.00	3523.95
	05/02/02	3563.29	ND	39.34	0.00	3523.95
	09/17/02	3563.29	ND	39.79	0.00	3523.50
	11/19/02	3563.29	ND	39.94	0.00	3523.35

Note: ND denotes no product detected during well gauging activity.

TABLE 2

GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
LEA STATION TO MONUMENT 6" PIPELINE
LEA COUNTY, NEW MEXICO
ETGI PROJECT #EO 2078

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	Method: 8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 1	05/02/02	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001
	11/19/02	<0.001	<0.001	<0.001	<0.001
MW - 2	05/02/02	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001
	11/19/02	0.001	<0.001	<0.001	0.003
MW - 3	05/02/02	<0.001	0.002	<0.001	0.012
	09/17/02	0.002	0.001	0.001	0.004
	11/19/02	0.001	<0.001	<0.001	0.001
MW - 4	05/02/02	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001
	11/19/02	<0.001	<0.001	<0.001	<0.001
MW - 5	05/02/02	0.024	0.039	0.021	0.073
	09/17/02	0.005	0.002	0.003	0.007
	11/19/02	0.003	0.002	0.002	0.005
MW - 6	05/02/02	0.002	<0.001	<0.001	<0.001
	09/17/02	0.001	<0.001	<0.001	<0.001
	11/19/02	<0.001	<0.001	<0.001	<0.001
*EB - 1	09/17/02	<0.001	<0.001	<0.001	<0.001
	11/19/02	<0.001	<0.001	<0.001	<0.001

**EB = Equipment Blank*

APPENDICES

Appendix A

Laboratory Reports

FILE

ANALYSYS INC.

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

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

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

Report#/Lab ID#: 128977 **Report Date:** 05/15/02
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 1
Sample Matrix: water
Date Received: 05/03/2002 **Time:** 10:00
Date Sampled: 05/02/2002 **Time:** 11:05

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]
A/BN Extraction-PAH	---	---	---	---	05/06/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	05/09/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	05/03/02	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	05/03/02	3005a	---	---	---	---	---
Total dissolved solids	1550	mg/L	1	<1	05/08/02	160.1	---	3.94	-NA-	-NA-	-NA-
Aluminum/ICP	19.7	mg/L	0.2	<0.2	05/03/02	6010 & 200.7	---	1.49	114.69	101.6	118.5
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	J	1.35	106.75	104.4	109.5
Barium/ICP	1.72	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.69	101.28	98.38	102.13
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	05/03/02	6010 & 200.7	J	1.29	100.41	100	102.9
Boron/ICP	0.783	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.49	103.44	102.1	104.4
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	05/03/02	6010 & 200.7	---	4.92	101.08	102.24	103.63
Calcium/ICP*filtered	218	mg/L	10	<10	05/03/02	6010 & 200.7	---	0.74	108.64	100.42	89.5
Chromium/ICP	0.0458	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.83	96.26	102.7	103.61
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	2.78	104.55	103.1	106.98
Copper/ICP	0.0362	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	1.01	108.71	100.36	110.35
Iron/ICP	13.5	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.29	97.8	104.16	108.35
Lead/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	0.19	106.24	104.44	108.95
Magnesium/ICP*filtered	53.2	mg/L	5	<5	05/03/02	6010 & 200.7	---	0.51	106.09	102.44	21.11
Manganese/ICP	0.497	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.43	108.9	104.58	110.95
Mercury/CVAA	0.0006	mg/L	0.0002	<0.0002	05/10/02	245.1&7470	---	5.03	100	87	91.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	0.32	104.03	101.3	106.66

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

ANALYSYS INC.

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

Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 1

Report#/Lab ID#: 128977
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]
Nickel/ICP	0.0429	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	1.45	104	104.4	106.55
Potassium/AA*filtered	6.66	mg/L	0.5	<0.5	05/06/02	258.1&7610	---	1.99	91.18	92.96	96.64
Selenium/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	2.75	101.99	101.36	105.45
Silver/GFAA	<0.002	mg/L	0.002	<0.002	05/13/02	272.2&7761	---	6.78	111.93	82.5	96
Sodium/ICP*filtered	212	mg/L	50	<50	05/03/02	6010 & 200.7	---	0.5	102.59	102.72	172.08
Strontium/ICP	4.58	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.37	108.77	104.84	109.55
Tin/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.55	100.35	98.44	102.8
Vanadium/ICP	0.0826	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.2	91.02	99.64	106.25
Zinc/ICP	0.0321	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	2.28	105.9	104.3	108.68
Alkalinity, bicarbonate	360	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	396	mg/L	2.5	<2.5	05/06/02	325.2&9251	---	1.24	106.08	106.38	96.07
Sulfate	217	mg/L	5	<5	05/08/02	375.4&9038	---	1.66	104.01	94.59	96.9
Extractable organics-PAH	---	---	---	---	05/09/02	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---		---		05/07/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/07/02	8260b	---	3.3	103.1	100.2	103.8
Ethylbenzene	<1	µg/L	1	<1	05/07/02	8260b	---	3.4	88.2	87.3	90.5
m,p-Xylenes	<1	µg/L	1	<1	05/07/02	8260b	---	3.6	95.8	96	98
o-Xylene	<1	µg/L	1	<1	05/07/02	8260b	---	3.8	86.4	83.9	89
Toluene	<1	µg/L	1	<1	05/07/02	8260b	---	4.2	117.1	109.4	117.9
Acenaphthene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	---	0	29.9	83.1	32.7
Acenaphthylene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	---	0.3	31	87.1	33
Anthracene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	---	0.2	38.4	81.2	40.7
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	---	0.2	37.7	82.9	38.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	J	0.2	38.5	83.8	38.8
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	---	0.2	37.8	80.2	36.6
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	---	0.7	40.1	84.3	40.3
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	---	0.2	38.5	81.4	38.4
Chrysene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	---	0.2	37.9	82.2	38.5
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	---	0.2	39.7	80.5	40.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	---	1	39.4	94.3	39.1
Fluorene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	J	0	29.4	89.3	32.5

ANALYSIS INC.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 1

Report#/Lab ID#: 128977
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]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	---	0	38.9	81.6	39.4
Naphthalene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	J	2.4	33.7	96.8	35.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	J	0.2	37.8	81.6	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	05/09/02	8270c	J	0.2	38.5	84.4	38.9

ANALYSIS INC.

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

Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** Monument 6" to Lea Station EOT 2078C **Sample Name:** MW 1	**Report#/Lab ID#:** 128977 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.3	80-120	---
Toluene-d8	8260b	91	88-110	---
2-Fluorobiphenyl	8270c	53.4	43-116	---
Nitrobenzene-d5	8270c	42.1	35-114	---
Terphenyl-d14	8270c	41	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 128977 **Matrix:** water
Client: Environmental Tech Group **Attn:** Camille Reynolds
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 1

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

J flag Discussion

A J flag data qualifier indicates (as required under 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
Arsenic/ICP	J	See J-flag discussion above.
Beryllium/ICP	J	See J-flag discussion above.
Cobalt/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Molybdenum/ICP	J	See J-flag discussion above.
Benzo[a]pyrene	J	See J-flag discussion above.
Fluorene	J	See J-flag discussion above.
Naphthalene	J	See J-flag discussion above.
Phenanthrene	J	See J-flag discussion above.
Pyrene	J	See J-flag discussion above.

Notes: _____

ANALYSYS inc.

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

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

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

Report#/Lab ID#: 128978 **Report Date:** 05/15/02
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 2
Sample Matrix: water
Date Received: 05/03/2002 **Time:** 10:00
Date Sampled: 05/02/2002 **Time:** 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	05/06/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	05/09/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	05/03/02	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	05/03/02	3005a	---	---	---	---	---
Total dissolved solids	1530	mg/L	1	<1	05/08/02	160.1	---	3.94	-NA-	-NA-	-NA-
Aluminum/ICP	3.89	mg/L	0.2	<0.2	05/03/02	6010 & 200.7	---	1.49	114.69	101.6	118.5
Arsenic/ICP	0.0607	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	1.35	106.75	104.4	109.5
Barium/ICP	0.409	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.69	101.28	98.38	102.13
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	05/03/02	6010 & 200.7	---	1.29	100.41	100	102.9
Boron/ICP	0.725	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.49	103.44	102.1	104.4
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	05/03/02	6010 & 200.7	---	4.92	101.08	102.24	103.63
Calcium/ICP*filtered	186	mg/L	10	<10	05/03/02	6010 & 200.7	---	0.74	108.64	100.42	89.5
Chromium/ICP	0.0143	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.83	96.26	102.7	103.61
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	2.78	104.55	103.1	106.98
Copper/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	1.01	108.71	100.36	110.35
Iron/ICP	2.24	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.29	97.8	104.16	108.35
Lead/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.19	106.24	104.44	108.95
Magnesium/ICP*filtered	54.8	mg/L	5	<5	05/03/02	6010 & 200.7	---	0.51	106.09	102.44	21.11
Manganese/ICP	0.305	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.43	108.9	104.58	110.95
Mercury/CVAA	0.0004	mg/L	0.0002	<0.0002	05/10/02	245.1&7470	---	5.03	100	87	91.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	0.32	104.03	101.3	106.66

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

ANALYSIS INC.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 2

Report#/Lab ID#: 128978
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]
Nickel/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	1.45	104	104.4	106.55
Potassium/AA*filtered	6.62	mg/L	0.5	<0.5	05/06/02	258.1&7610	---	1.99	91.18	92.96	96.64
Selenium/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	2.75	101.99	101.36	105.45
Silver/GFAA	<0.002	mg/L	0.002	<0.002	05/13/02	272.2&7761	---	6.78	111.93	82.5	96
Sodium/ICP*filtered	197	mg/L	50	<50	05/03/02	6010 & 200.7	---	0.5	102.59	102.72	172.08
Strontium/ICP	4.82	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.37	108.77	104.84	109.55
Tin/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.55	100.35	98.44	102.8
Vanadium/ICP	0.0482	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.2	91.02	99.64	106.25
Zinc/ICP	<0.01	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	J	2.28	105.9	104.3	108.68
Alkalinity, bicarbonate	380	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	374	mg/L	2.5	<2.5	05/06/02	325.2&9251	---	1.24	106.08	106.38	96.07
Sulfate	200	mg/L	5	<5	05/08/02	375.4&9038	---	1.66	104.01	94.59	96.9
Extractable organics-PAH	---	---	---	---	05/13/02	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---		---		05/07/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/07/02	8260b	---	3.3	103.1	100.2	103.8
Ethylbenzene	<1	µg/L	1	<1	05/07/02	8260b	---	3.4	88.2	87.3	90.5
m,p-Xylenes	<1	µg/L	1	<1	05/07/02	8260b	---	3.6	95.8	96	98
o-Xylene	<1	µg/L	1	<1	05/07/02	8260b	---	3.8	86.4	83.9	89
Toluene	<1	µg/L	1	<1	05/07/02	8260b	---	4.2	117.1	109.4	117.9
Acenaphthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0	29.9	83.1	32.7
Acenaphthylene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.3	31	87.1	33
Anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.2	38.4	81.2	40.7
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.7	82.9	38.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.2	38.5	83.8	38.8
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.2	37.8	80.2	36.6
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.7	40.1	84.3	40.3
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.5	81.4	38.4
Chrysene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.9	82.2	38.5
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	39.7	80.5	40.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	1	39.4	94.3	39.1
Fluorene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0	29.4	89.3	32.5

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** Monument 6" to Lea Station EOT 2078C **Sample Name:** MW 2	***Report#/Lab ID#:*** 128978 **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]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0	38.9	81.6	39.4
Naphthalene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	2.4	33.7	96.8	35.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.2	37.8	81.6	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.2	38.5	84.4	38.9

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Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** Monument 6" to Lea Station EOT 2078C **Sample Name:** MW 2	**Report#/Lab ID#:** 128978 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.5	80-120	---
Toluene-d8	8260b	91.2	88-110	---
2-Fluorobiphenyl	8270c	49.7	43-116	---
Nitrobenzene-d5	8270c	42.7	35-114	---
Terphenyl-d14	8270c	54.6	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 128978 **Matrix:** water
Client: Environmental Tech Group **Attn:** Camille Reynolds
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 2

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Molybdenum/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.
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.
Fluorene	J	See J-flag discussion above.
Phenanthrene	J	See J-flag discussion above.
Pyrene	J	See J-flag discussion above.

Notes: _____

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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#: 128979 **Report Date:** 05/15/02
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 3
Sample Matrix: water
Date Received: 05/03/2002 **Time:** 10:00
Date Sampled: 05/02/2002 **Time:** 10:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	05/06/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	05/09/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	05/03/02	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	05/03/02	3005a	---	---	---	---	---
Total dissolved solids	1390	mg/L	1	<1	05/08/02	160.1	---	3.94	-NA-	-NA-	-NA-
Aluminum/ICP	81.4	mg/L	0.2	<0.2	05/03/02	6010 & 200.7	---	1.49	114.69	101.6	118.5
Arsenic/ICP	0.0526	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	1.35	106.75	104.4	109.5
Barium/ICP	2.03	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.69	101.28	98.38	102.13
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	05/03/02	6010 & 200.7	J	1.29	100.41	100	102.9
Boron/ICP	0.725	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.49	103.44	102.1	104.4
Cadmium/ICP	0.272	mg/L	0.005	<0.005	05/03/02	6010 & 200.7	---	4.92	101.08	102.24	103.63
Calcium/ICP*filtered	165	mg/L	10	<10	05/03/02	6010 & 200.7	---	0.74	108.64	100.42	89.5
Chromium/ICP	0.0901	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.83	96.26	102.7	103.61
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	2.78	104.55	103.1	106.98
Copper/ICP	0.0457	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	1.01	108.71	100.36	110.35
Iron/ICP	39.8	mg/L	5	<5	05/03/02	6010 & 200.7	---	0.29	97.8	104.16	108.35
Lead/ICP	0.0279	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.19	106.24	104.44	108.95
Magnesium/ICP*filtered	50.9	mg/L	5	<5	05/03/02	6010 & 200.7	---	0.51	106.09	102.44	21.11
Manganese/ICP	0.869	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.43	108.9	104.58	110.95
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	05/10/02	245.1&7470	---	5.03	100	87	91.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	0.32	104.03	101.3	106.66

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

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Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 3

Report#/Lab ID#: 128979
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]
Nickel/ICP	0.0608	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	1.45	104	104.4	106.55
Potassium/AA*filtered	5.53	mg/L	0.5	<0.5	05/06/02	258.1&7610	---	1.99	91.18	92.96	96.64
Selenium/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	2.75	101.99	101.36	105.45
Silver/GFAA	<0.002	mg/L	0.002	<0.002	05/13/02	272.2&7761	---	6.78	111.93	82.5	96
Sodium/ICP*filtered	193	mg/L	50	<50	05/03/02	6010 & 200.7	---	0.5	102.59	102.72	172.08
Strontium/ICP	5.48	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.37	108.77	104.84	109.55
Tin/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.55	100.35	98.44	102.8
Vanadium/ICP	0.29	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.2	91.02	99.64	106.25
Zinc/ICP	0.0988	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	2.28	105.9	104.3	108.68
Alkalinity, bicarbonate	340	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	391	mg/L	2.5	<2.5	05/06/02	325.2&9251	---	1.24	106.08	106.38	96.07
Sulfate	151	mg/L	5	<5	05/08/02	375.4&9038	---	1.66	104.01	94.59	96.9
Extractable organics-PAH	---	---	---	---	05/13/02	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---		---		05/07/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/07/02	8260b	J	3.3	103.1	100.2	103.8
Ethylbenzene	<1	µg/L	1	<1	05/07/02	8260b	J	3.4	88.2	87.3	90.5
m,p-Xylenes	8.09	µg/L	1	<1	05/07/02	8260b	---	3.6	95.8	96	98
o-Xylene	3.47	µg/L	1	<1	05/07/02	8260b	---	3.8	86.4	83.9	89
Toluene	2.06	µg/L	1	<1	05/07/02	8260b	---	4.2	117.1	109.4	117.9
Acenaphthene	0.116	µg/L	0.05	<0.05	05/13/02	8270c	---	0	29.9	83.1	32.7
Acenaphthylene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.3	31	87.1	33
Anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.2	38.4	81.2	40.7
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.7	82.9	38.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.2	38.5	83.8	38.8
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.2	37.8	80.2	36.6
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.7	40.1	84.3	40.3
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.5	81.4	38.4
Chrysene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.9	82.2	38.5
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	39.7	80.5	40.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	1	39.4	94.3	39.1
Fluorene	0.528	µg/L	0.05	<0.05	05/13/02	8270c	---	0	29.4	89.3	32.5

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** Monument 6" to Lea Station EOT 2078C **Sample Name:** MW 3	**Report#/Lab ID#:** 128979 **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]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0	38.9	81.6	39.4
Naphthalene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	2.4	33.7	96.8	35.3
Phenanthrene	0.515	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.8	81.6	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.2	38.5	84.4	38.9

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Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** Monument 6" to Lea Station EOT 2078C **Sample Name:** MW 3	**Report#/Lab ID#:** 128979 **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	88.1	88-110	---
2-Fluorobiphenyl	8270c	48.5	43-116	---
Nitrobenzene-d5	8270c	35.7	35-114	---
Terphenyl-d14	8270c	50.2	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 128979 **Matrix:** water
Client: Environmental Tech Group **Attn:** Camille Reynolds
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 3

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

J flag Discussion

A J flag data qualifier indicates (as required under 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
Beryllium/ICP	J	See J-flag discussion above.
Cobalt/ICP	J	See J-flag discussion above.
Molybdenum/ICP	J	See J-flag discussion above.
Benzene	J	See J-flag discussion above.
Ethylbenzene	J	See J-flag discussion above.
Acenaphthylene	J	See J-flag discussion above.
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.
Naphthalene	J	See J-flag discussion above.
Pyrene	J	See J-flag discussion above.

Notes: _____

ANALYSYS INC.

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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#: 128980 **Report Date:** 05/15/02
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 4
Sample Matrix: water
Date Received: 05/03/2002 **Time:** 10:00
Date Sampled: 05/02/2002 **Time:** 09:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	05/06/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	05/09/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	05/03/02	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	05/03/02	3005a	---	---	---	---	---
Total dissolved solids	1480	mg/L	1	<1	05/08/02	160.1	---	3.94	-NA-	-NA-	-NA-
Aluminum/ICP	4.41	mg/L	0.2	<0.2	05/03/02	6010 & 200.7	---	1.49	114.69	101.6	118.5
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	1.35	106.75	104.4	109.5
Barium/ICP	0.25	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.69	101.28	98.38	102.13
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	05/03/02	6010 & 200.7	---	1.29	100.41	100	102.9
Boron/ICP	0.764	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.49	103.44	102.1	104.4
Cadmium/ICP	0.0086	mg/L	0.005	<0.005	05/03/02	6010 & 200.7	---	4.92	101.08	102.24	103.63
Calcium/ICP*filtered	157	mg/L	10	<10	05/03/02	6010 & 200.7	---	0.74	108.64	100.42	89.5
Chromium/ICP	<0.01	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	J	0.83	96.26	102.7	103.61
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	2.78	104.55	103.1	106.98
Copper/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	1.01	108.71	100.36	110.35
Iron/ICP	2.58	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.29	97.8	104.16	108.35
Lead/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.19	106.24	104.44	108.95
Magnesium/ICP*filtered	48.9	mg/L	5	<5	05/03/02	6010 & 200.7	---	0.51	106.09	102.44	21.11
Manganese/ICP	0.294	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.43	108.9	104.58	110.95
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	05/10/02	245.1&7470	---	5.03	100	87	91.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	0.32	104.03	101.3	106.66

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

ANALYSIS INC.

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Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 4

Report#/Lab ID#: 128980
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]
Nickel/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	1.45	104	104.4	106.55
Potassium/AA*filtered	6.49	mg/L	0.5	<0.5	05/06/02	258.1&7610	---	1.99	91.18	92.96	96.64
Selenium/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	2.75	101.99	101.36	105.45
Silver/GFAA	<0.002	mg/L	0.002	<0.002	05/13/02	272.2&7761	---	6.78	111.93	82.5	96
Sodium/ICP*filtered	201	mg/L	50	<50	05/03/02	6010 & 200.7	---	0.5	102.59	102.72	172.08
Strontium/ICP	3.57	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.37	108.77	104.84	109.55
Tin/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.55	100.35	98.44	102.8
Vanadium/ICP	0.041	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.2	91.02	99.64	106.25
Zinc/ICP	<0.01	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	J	2.28	105.9	104.3	108.68
Alkalinity, bicarbonate	370	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	415	mg/L	2.5	<2.5	05/06/02	325.2&9251	---	1.24	106.08	106.38	96.07
Sulfate	170	mg/L	5	<5	05/08/02	375.4&9038	---	1.66	104.01	94.59	96.9
Extractable organics-PAH	---	---	---	---	05/13/02	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---		---		05/07/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/07/02	8260b	---	3.3	103.1	100.2	103.8
Ethylbenzene	<1	µg/L	1	<1	05/07/02	8260b	---	3.4	88.2	87.3	90.5
m,p-Xylenes	<1	µg/L	1	<1	05/07/02	8260b	---	3.6	95.8	96	98
o-Xylene	<1	µg/L	1	<1	05/07/02	8260b	---	3.8	86.4	83.9	89
Toluene	<1	µg/L	1	<1	05/07/02	8260b	---	4.2	117.1	109.4	117.9
Acenaphthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0	29.9	83.1	32.7
Acenaphthylene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.3	31	87.1	33
Anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.4	81.2	40.7
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.7	82.9	38.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.5	83.8	38.8
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.8	80.2	36.6
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.7	40.1	84.3	40.3
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.5	81.4	38.4
Chrysene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.9	82.2	38.5
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	39.7	80.5	40.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	1	39.4	94.3	39.1
Fluorene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0	29.4	89.3	32.5

ANALYSYS INC.

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Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 4

Report#/Lab ID#: 128980
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]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0	38.9	81.6	39.4
Naphthalene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	2.4	33.7	96.8	35.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.2	37.8	81.6	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.5	84.4	38.9

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Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** Monument 6" to Lea Station EOT 2078C **Sample Name:** MW 4	**Report#/Lab ID#:** 128980 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.7	80-120	---
Toluene-d8	8260b	88.4	88-110	---
2-Fluorobiphenyl	8270c	48.1	43-116	---
Nitrobenzene-d5	8270c	41	35-114	---
Terphenyl-d14	8270c	49.2	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 128980 **Matrix:** water
Client: Environmental Tech Group **Attn:** Camille Reynolds
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 4

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Chromium/ICP	J	See J-flag discussion above.
Molybdenum/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.
Zinc/ICP	J	See J-flag discussion above.
Fluorene	J	See J-flag discussion above.
Phenanthrene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

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(512) 444-5896 • FAX (512) 447-4766

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

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

Report#/Lab ID#: 128981 **Report Date:** 05/15/02
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 5
Sample Matrix: water
Date Received: 05/03/2002 **Time:** 10:00
Date Sampled: 05/02/2002 **Time:** 09:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	05/06/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	05/09/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	05/03/02	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	05/03/02	3005a	---	---	---	---	---
Total dissolved solids	1580	mg/L	1	<1	05/08/02	160.1	---	3.94	-NA-	-NA-	-NA-
Aluminum/ICP	11.6	mg/L	0.2	<0.2	05/03/02	6010 & 200.7	---	1.49	114.69	101.6	118.5
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	1.35	106.75	104.4	109.5
Barium/ICP	0.59	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.69	101.28	98.38	102.13
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	05/03/02	6010 & 200.7	---	1.29	100.41	100	102.9
Boron/ICP	0.725	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.49	103.44	102.1	104.4
Cadmium/ICP	0.106	mg/L	0.005	<0.005	05/03/02	6010 & 200.7	---	4.92	101.08	102.24	103.63
Calcium/ICP*filtered	184	mg/L	10	<10	05/03/02	6010 & 200.7	---	0.74	108.64	100.42	89.5
Chromium/ICP	0.0255	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.83	96.26	102.7	103.61
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	2.78	104.55	103.1	106.98
Copper/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	1.01	108.71	100.36	110.35
Iron/ICP	7.31	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.29	97.8	104.16	108.35
Lead/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	0.19	106.24	104.44	108.95
Magnesium/ICP*filtered	53.6	mg/L	5	<5	05/03/02	6010 & 200.7	---	0.51	106.09	102.44	21.11
Manganese/ICP	0.634	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.43	108.9	104.58	110.95
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	05/10/02	245.1&7470	---	5.03	100	87	91.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	0.32	104.03	101.3	106.66

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

ANALYSIS INC.

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

Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 5

Report#/Lab ID#: 128981
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]
Nickel/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	1.45	104	104.4	106.55
Potassium/AA*filtered	6.16	mg/L	0.5	<0.5	05/06/02	258.1&7610	---	1.99	91.18	92.96	96.64
Selenium/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	2.75	101.99	101.36	105.45
Silver/GFAA	<0.002	mg/L	0.002	<0.002	05/13/02	272.2&7761	---	6.78	111.93	82.5	96
Sodium/ICP*filtered	185	mg/L	50	<50	05/03/02	6010 & 200.7	---	0.5	102.59	102.72	172.08
Strontium/ICP	3.67	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.37	108.77	104.84	109.55
Tin/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.55	100.35	98.44	102.8
Vanadium/ICP	0.0579	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.2	91.02	99.64	106.25
Zinc/ICP	0.0151	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	2.28	105.9	104.3	108.68
Alkalinity, bicarbonate	430	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	365	mg/L	2.5	<2.5	05/06/02	325.2&9251	---	1.24	106.08	106.38	96.07
Sulfate	183	mg/L	5	<5	05/08/02	375.4&9038	---	1.66	104.01	94.59	96.9
Extractable organics-PAH	---	---	---	---	05/13/02	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---		---		05/09/02	8260b	---	---	---	---	---
Benzene	24.1	µg/L	1	<1	05/09/02	8260b	---	0.5	101.7	108.2	105.2
Ethylbenzene	20.5	µg/L	1	<1	05/09/02	8260b	---	1.6	87.5	89.6	93
m,p-Xylenes	61	µg/L	1	<1	05/09/02	8260b	---	2.3	93.8	96.6	98.2
o-Xylene	12.3	µg/L	1	<1	05/09/02	8260b	---	1.3	85.8	87.8	91.2
Toluene	39	µg/L	1	<1	05/09/02	8260b	---	0	114.6	118.2	119.5
Acenaphthene	0.137	µg/L	0.05	<0.05	05/13/02	8270c	---	0	29.9	83.1	32.7
Acenaphthylene	0.106	µg/L	0.05	<0.05	05/13/02	8270c	---	0.3	31	87.1	33
Anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0.2	38.4	81.2	40.7
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.7	82.9	38.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.5	83.8	38.8
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.8	80.2	36.6
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.7	40.1	84.3	40.3
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.5	81.4	38.4
Chrysene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.9	82.2	38.5
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	39.7	80.5	40.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	1	39.4	94.3	39.1
Fluorene	0.712	µg/L	0.05	<0.05	05/13/02	8270c	---	0	29.4	89.3	32.5

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Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 5

Report#/Lab ID#: 128981
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]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0	38.9	81.6	39.4
Naphthalene	4.75	µg/L	0.05	<0.05	05/13/02	8270c	---	2.4	33.7	96.8	35.3
Phenanthrene	0.627	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.8	81.6	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.5	84.4	38.9

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Client: Environmental Tech Group **Attn:** Camille Reynolds	**Project ID:** Monument 6" to Lea Station EOT 2078C **Sample Name:** MW 5	**Report#/Lab ID#:** 128981 **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	88.1	88-110	---
2-Fluorobiphenyl	8270c	49.3	43-116	---
Nitrobenzene-d5	8270c	45.4	35-114	---
Terphenyl-d14	8270c	43.4	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 128981 **Matrix:** water
Client: Environmental Tech Group **Attn:** Camille Reynolds
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 5

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

ANALYSYS INC.

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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#: 128982 **Report Date:** 05/15/02
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 6
Sample Matrix: water
Date Received: 05/03/2002 **Time:** 10:00
Date Sampled: 05/02/2002 **Time:** 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	05/06/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	05/09/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	05/03/02	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	05/03/02	3005a	---	---	---	---	---
Total dissolved solids	1550	mg/L	1	<1	05/08/02	160.1	---	3.94	-NA-	-NA-	-NA-
Aluminum/ICP	3.27	mg/L	0.2	<0.2	05/03/02	6010 & 200.7	---	1.49	114.69	101.6	118.5
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	1.35	106.75	104.4	109.5
Barium/ICP	0.281	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.69	101.28	98.38	102.13
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	05/03/02	6010 & 200.7	---	1.29	100.41	100	102.9
Boron/ICP	0.705	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.49	103.44	102.1	104.4
Cadmium/ICP	0.0078	mg/L	0.005	<0.005	05/03/02	6010 & 200.7	---	4.92	101.08	102.24	103.63
Calcium/ICP*filtered	172	mg/L	10	<10	05/03/02	6010 & 200.7	---	0.74	108.64	100.42	89.5
Chromium/ICP	0.0119	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.83	96.26	102.7	103.61
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	2.78	104.55	103.1	106.98
Copper/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	1.01	108.71	100.36	110.35
Iron/ICP	1.89	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.29	97.8	104.16	108.35
Lead/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.19	106.24	104.44	108.95
Magnesium/ICP*filtered	51.3	mg/L	5	<5	05/03/02	6010 & 200.7	---	0.51	106.09	102.44	21.11
Manganese/ICP	0.367	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	---	0.43	108.9	104.58	110.95
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	05/10/02	245.1&7470	---	5.03	100	87	91.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	0.32	104.03	101.3	106.66

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 6

Report#/Lab ID#: 128982
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]
Nickel/ICP	<0.02	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	J	1.45	104	104.4	106.55
Potassium/AA*filtered	6.78	mg/L	0.5	<0.5	05/06/02	258.1&7610	---	1.99	91.18	92.96	96.64
Selenium/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	2.75	101.99	101.36	105.45
Silver/GFAA	<0.002	mg/L	0.002	<0.002	05/13/02	272.2&7761	---	6.78	111.93	82.5	96
Sodium/ICP*filtered	171	mg/L	50	<50	05/03/02	6010 & 200.7	---	0.5	102.59	102.72	172.08
Strontium/ICP	3.24	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.37	108.77	104.84	109.55
Tin/ICP	<0.05	mg/L	0.05	<0.05	05/03/02	6010 & 200.7	---	0.55	100.35	98.44	102.8
Vanadium/ICP	0.0228	mg/L	0.02	<0.02	05/03/02	6010 & 200.7	---	0.2	91.02	99.64	106.25
Zinc/ICP	<0.01	mg/L	0.01	<0.01	05/03/02	6010 & 200.7	J	2.28	105.9	104.3	108.68
Alkalinity, bicarbonate	390	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	05/07/02	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	391	mg/L	2.5	<2.5	05/06/02	325.2&9251	---	1.24	106.08	106.38	96.07
Sulfate	180	mg/L	5	<5	05/08/02	375.4&9038	---	1.66	104.01	94.59	96.9
Extractable organics-PAH	---	---	---	---	05/13/02	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---		---		05/07/02	8260b	---	---	---	---	---
Benzene	2.3	µg/L	1	<1	05/07/02	8260b	---	3.3	103.1	100.2	103.8
Ethylbenzene	<1	µg/L	1	<1	05/07/02	8260b	---	3.4	88.2	87.3	90.5
m,p-Xylenes	<1	µg/L	1	<1	05/07/02	8260b	J	3.6	95.8	96	98
o-Xylene	<1	µg/L	1	<1	05/07/02	8260b	---	3.8	86.4	83.9	89
Toluene	<1	µg/L	1	<1	05/07/02	8260b	---	4.2	117.1	109.4	117.9
Acenaphthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0	29.9	83.1	32.7
Acenaphthylene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.3	31	87.1	33
Anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.4	81.2	40.7
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.7	82.9	38.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.5	83.8	38.8
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.8	80.2	36.6
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.7	40.1	84.3	40.3
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.5	81.4	38.4
Chrysene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.9	82.2	38.5
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	39.7	80.5	40.4
Fluoranthene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	1	39.4	94.3	39.1
Fluorene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	J	0	29.4	89.3	32.5

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Client: Environmental Tech Group
Attn: Camille Reynolds

Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 6

Report#/Lab ID#: 128982
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]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0	38.9	81.6	39.4
Naphthalene	0.133	µg/L	0.05	<0.05	05/13/02	8270c	---	2.4	33.7	96.8	35.3
Phenanthrene	0.163	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	37.8	81.6	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	05/13/02	8270c	---	0.2	38.5	84.4	38.9

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Client: Environmental Tech Group	**Project ID:** Monument 6" to Lea Station EOT 2078C	**Report#/Lab ID#:** 128982
Attn: Camille Reynolds	**Sample Name:** MW 6	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.1	80-120	---
Toluene-d8	8260b	88.7	88-110	---
2-Fluorobiphenyl	8270c	52.8	43-116	---
Nitrobenzene-d5	8270c	43.5	35-114	---
Terphenyl-d14	8270c	47.3	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 128982 **Matrix:** water
Client: Environmental Tech Group **Attn:** Camille Reynolds
Project ID: Monument 6" to Lea Station EOT 2078C
Sample Name: MW 6

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Molybdenum/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.
Zinc/ICP	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.
Acenaphthene	J	See J-flag discussion above.
Fluorene	J	See J-flag discussion above.

Notes:

COC 057 2345

CHAIN-OF-CUSTODY

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

Rush Status (must be confirmed with lab mgr.):
Project Name/PO# EOT 2078C Sampler: Simon Casas
MONUMENT 6" TO SEA STATION

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021B	TDS 160.1	PAH 8100	CATIONS 6010	Heavy Metals 6010	ANIONS 300.0			Comments
MW 1	5-2-02	1105	6		X		128977	X	X	X	X	X	X			
MW 2		1130					128978									
MW 3		1025					128979									
MW 4		0900					128980									
MW 5		0930					128981									
MW 6		1000					128982									

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

TEMP: 0.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas	ETGI	5-2-02	1200	[illegible]	Humphreys ASI	5/3/02	1000

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

ANALYSYS INC.

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

FILE

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

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

Report#/Lab ID#: 133722 **Report Date:** 09/24/02
Project ID: Monument 6" to Lea
Sample Name: MW 1
Sample Matrix: water
Date Received: 09/18/2002 **Time:** 10:45
Date Sampled: 09/17/2002 **Time:** 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/20/02	8260b	---	1.4	99.3	114.3	97.7
Ethylbenzene	<1	µg/L	1	<1	09/20/02	8260b	---	1	103.1	105.7	89.3
m,p-Xylenes	<1	µg/L	1	<1	09/20/02	8260b	---	1.6	97.4	99.6	90.7
o-Xylene	<1	µg/L	1	<1	09/20/02	8260b	---	1	97	100.3	97.7
Toluene	<1	µg/L	1	<1	09/20/02	8260b	---	5	102.1	118.2	107

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 **Attn:** Ken Dutton	**Project ID:** Monument 6" to Lea **Sample Name:** MW 1	**Report#/Lab ID#:** 133722 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.6	80-120	---
Toluene-d8	8260b	98.3	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#: 133723 **Report Date:** 09/24/02
Project ID: Monument 6" to Lea
Sample Name: MW 2
Sample Matrix: water
Date Received: 09/18/2002 **Time:** 10:45
Date Sampled: 09/17/2002 **Time:** 13:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/20/02	8260b	J	1.4	99.3	114.3	97.7
Ethylbenzene	<1	µg/L	1	<1	09/20/02	8260b	---	1	103.1	105.7	89.3
m,p-Xylenes	<1	µg/L	1	<1	09/20/02	8260b	J	1.6	97.4	99.6	90.7
o-Xylene	<1	µg/L	1	<1	09/20/02	8260b	---	1	97	100.3	97.7
Toluene	<1	µg/L	1	<1	09/20/02	8260b	---	5	102.1	118.2	107

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

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Client: Environmental Tech Group	**Project ID:** Monument 6" to Lea	**Report#/Lab ID#:** 133723
Attn: Ken Dutton	**Sample Name:** MW 2	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	116	80-120	---
Toluene-d8	8260b	98.4	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 133723 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Monument 6" to Lea
Sample Name: MW 2

Sample Temperature/Condition >6°C

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

Sample Bottles & Preservation

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

ANALYSYS INC.

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

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

Report#/Lab ID#: 133724 **Report Date:** 09/24/02
Project ID: Monument 6" to Lea
Sample Name: MW 3
Sample Matrix: water
Date Received: 09/18/2002 **Time:** 10:45
Date Sampled: 09/17/2002 **Time:** 14:13

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/20/02	8260b	---	---	---	---	---
Benzene	2.12	µg/L	1	<1	09/20/02	8260b	---	21.9	126.1	102.9	101
Ethylbenzene	1.21	µg/L	1	<1	09/20/02	8260b	---	10.9	102.1	92.8	90.4
m,p-Xylenes	2.7	µg/L	1	<1	09/20/02	8260b	---	7	102.7	92.8	90.5
o-Xylene	1.1	µg/L	1	<1	09/20/02	8260b	---	1.8	109.1	97	97.3
Toluene	1.4	µg/L	1	<1	09/20/02	8260b	---	20.7	128.6	107.3	102.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Monument 6" to Lea **Sample Name:** MW 3	**Report#/Lab ID#:** 133724 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	109	80-120	---
Toluene-d8	8260b	101	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#: 133725 **Report Date:** 09/24/02
Project ID: Monument 6" to Lea
Sample Name: MW 4
Sample Matrix: water
Date Received: 09/18/2002 **Time:** 10:45
Date Sampled: 09/17/2002 **Time:** 13:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/20/02	8260b	---	21.9	126.1	102.9	101
Ethylbenzene	<1	µg/L	1	<1	09/20/02	8260b	---	10.9	102.1	92.8	90.4
m,p-Xylenes	<1	µg/L	1	<1	09/20/02	8260b	---	7	102.7	92.8	90.5
o-Xylene	<1	µg/L	1	<1	09/20/02	8260b	---	1.8	109.1	97	97.3
Toluene	<1	µg/L	1	<1	09/20/02	8260b	---	20.7	128.6	107.3	102.3

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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*	**Project ID:** Monument 6" to Lea	**Report#/Lab ID#:** 133725
Attn: Ken Dutton	**Sample Name:** MW 4	**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.

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

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

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

Report#/Lab ID#: 133726 **Report Date:** 09/24/02
Project ID: Monument 6" to Lea
Sample Name: MW 5
Sample Matrix: water
Date Received: 09/18/2002 **Time:** 10:45
Date Sampled: 09/17/2002 **Time:** 15:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/20/02	8260b	---	---	---	---	---
Benzene	5.34	µg/L	1	<1	09/20/02	8260b	---	21.9	126.1	102.9	101
Ethylbenzene	2.56	µg/L	1	<1	09/20/02	8260b	---	10.9	102.1	92.8	90.4
m,p-Xylenes	5.76	µg/L	1	<1	09/20/02	8260b	---	7	102.7	92.8	90.5
o-Xylene	1.25	µg/L	1	<1	09/20/02	8260b	---	1.8	109.1	97	97.3
Toluene	2.47	µg/L	1	<1	09/20/02	8260b	---	20.7	128.6	107.3	102.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Monument 6" to Lea **Sample Name:** MW 5	**Report#/Lab ID#:** 133726 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.2	80-120	---
Toluene-d8	8260b	101	88-110	---

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

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

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

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

Report#/Lab ID#: 133727 **Report Date:** 09/24/02
Project ID: Monument 6" to Lea
Sample Name: MW 6
Sample Matrix: water
Date Received: 09/18/2002 **Time:** 10:45
Date Sampled: 09/17/2002 **Time:** 14:35

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/20/02	8260b	---	---	---	---	---
Benzene	1.11	µg/L	1	<1	09/20/02	8260b	---	21.9	126.1	102.9	101
Ethylbenzene	<1	µg/L	1	<1	09/20/02	8260b	---	10.9	102.1	92.8	90.4
m,p-Xylenes	<1	µg/L	1	<1	09/20/02	8260b	---	7	102.7	92.8	90.5
o-Xylene	<1	µg/L	1	<1	09/20/02	8260b	---	1.8	109.1	97	97.3
Toluene	<1	µg/L	1	<1	09/20/02	8260b	---	20.7	128.6	107.3	102.3

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** Monument 6" to Lea	**Report#/Lab ID#:** 133727
Attn: Ken Dutton	**Sample Name:** MW 6	**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	98.9	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#: 133728 **Report Date:** 09/24/02
Project ID: Monument 6" to Lea
Sample Name: EB 1
Sample Matrix: water
Date Received: 09/18/2002 **Time:** 10:45
Date Sampled: 09/17/2002 **Time:** 15:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/20/02	8260b	---	21.9	126.1	102.9	101
Ethylbenzene	<1	µg/L	1	<1	09/20/02	8260b	---	10.9	102.1	92.8	90.4
m,p-Xylenes	<1	µg/L	1	<1	09/20/02	8260b	---	7	102.7	92.8	90.5
o-Xylene	<1	µg/L	1	<1	09/20/02	8260b	---	1.8	109.1	97	97.3
Toluene	<1	µg/L	1	<1	09/20/02	8260b	---	20.7	128.6	107.3	102.3

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Monument 6" to Lea **Sample Name:** EB 1	**Report#/Lab ID#:** 133728 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.9	80-120	---
Toluene-d8	8260b	99.9	88-110	---

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

COC 155 38

CHAIN-OF-CUSTODY

AnalySys Inc.

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

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

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

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: MONUMENT 6" TOBEA E020786 Sampler: [signature]

Analyses Requested (1) Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021B	Comments
MW 1	9/17/02	1300	2		X		133722	X	
MW 2	↓	1325	↓		↓		133723	↓	
MW 3	↓	1413	↓		↓		133724	↓	
MW 4	↓	1350	↓		↓		133725	↓	
MW 5	↓	1500	↓		↓		133726	↓	
MW 6	↓	1435	↓		↓		133727	↓	
EB 1	↓	1515	↓		↓		133728	↓	

(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 (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 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
[signature]	ETGI	9/17/02	1600	Melanie Humphrey	ASI	9/18/02	10:45

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

FILE

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

Client: Environmental Tech Group
Attn: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 136612 **Report Date:** 11/26/02
Project ID: Monument to Lea 6" EO 2078
Sample Name: MW 1
Sample Matrix: water
Date Received: 11/20/2002 **Time:** 13:00
Date Sampled: 11/19/2002 **Time:** 08:05

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	---		---		11/22/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/22/02	8260b	---	5.9	72.9	93.8	87.8
Ethylbenzene	<1	µg/L	1	<1	11/22/02	8260b	---	1.4	116.2	110.4	114.3
m,p-Xylenes	<1	µg/L	1	<1	11/22/02	8260b	---	3.6	111.5	107.6	107.9
o-Xylene	<1	µg/L	1	<1	11/22/02	8260b	---	2	118.8	112	113.9
Toluene	<1	µg/L	1	<1	11/22/02	8260b	---	5.7	102.8	106.2	98.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

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

Client: Environmental Tech Group **Attn:** Robert Edison	**Project ID:** Monument to Lea 6" EO 2078 **Sample Name:** MW 1	**Report#/Lab ID#:** 136612 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.2	80-120	---
Toluene-d8	8260b	98.3	88-110	---

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

ANALYSYS INC

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

Client: Environmental Tech Group
Attn: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 136613 **Report Date:** 11/26/02
Project ID: Monument to Lea 6" EO 2078
Sample Name: MW 2
Sample Matrix: water
Date Received: 11/20/2002 **Time:** 13:00
Date Sampled: 11/19/2002 **Time:** 08:23

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	---		---		11/25/02	8260b	---	---	---	---	---
Benzene	1.04	µg/L	1	<1	11/25/02	8260b	---	5.9	72.9	93.8	87.8
Ethylbenzene	<1	µg/L	1	<1	11/22/02	8260b	J	1.4	116.2	110.4	114.3
m,p-Xylenes	2.72	µg/L	1	<1	11/25/02	8260b	---	3.6	111.5	107.6	107.9
o-Xylene	<1	µg/L	1	<1	11/25/02	8260b	J	2	118.8	112	113.9
Toluene	<1	µg/L	1	<1	11/25/02	8260b	J	5.7	102.8	106.2	98.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

Client: Environmental Tech Group **Attn:** Robert Edison	**Project ID:** Monument to Lea 6" EO 2078 **Sample Name:** MW 2	**Report#/Lab ID#:** 136613 **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.

Exceptions Report:

Report #/Lab ID#: 136613 **Matrix:** water
Client: Environmental Tech Group **Attn:** Robert Edison
Project ID: Monument to Lea 6" EO 2078
Sample Name: MW 2

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

ANALYSYS INC

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Client: Environmental Tech Group
Attn: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 136614 **Report Date:** 11/26/02
Project ID: Monument to Lea 6" EO 2078
Sample Name: MW 3
Sample Matrix: water
Date Received: 11/20/2002 **Time:** 13:00
Date Sampled: 11/19/2002 **Time:** 09:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		11/22/02	8260b	---	---	---	---	---
Benzene	1.22	µg/L	1	<1	11/25/02	8260b	---	5.9	72.9	93.8	87.8
Ethylbenzene	<1	µg/L	1	<1	11/22/02	8260b	---	1.4	116.2	110.4	114.3
m,p-Xylenes	1.18	µg/L	1	<1	11/22/02	8260b	---	3.6	111.5	107.6	107.9
o-Xylene	<1	µg/L	1	<1	11/22/02	8260b	J	2	118.8	112	113.9
Toluene	<1	µg/L	1	<1	11/25/02	8260b	J	5.7	102.8	106.2	98.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

Client: Environmental Tech Group **Attn:** Robert Edison	**Project ID:** Monument to Lea 6" EO 2078 **Sample Name:** MW 3	**Report#/Lab ID#:** 136614 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.6	80-120	---
Toluene-d8	8260b	96.7	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 136614 **Matrix:** water
Client: Environmental Tech Group **Attn:** Robert Edison
Project ID: Monument to Lea 6" EO 2078
Sample Name: MW 3

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes: _____

ANALYSYS INC

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

Client: Environmental Tech Group
Attn: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 136615 **Report Date:** 11/26/02
Project ID: Monument to Lea 6" EO 2078
Sample Name: MW 4
Sample Matrix: water
Date Received: 11/20/2002 **Time:** 13:00
Date Sampled: 11/19/2002 **Time:** 08:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		11/22/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/22/02	8260b	---	5.9	72.9	93.8	87.8
Ethylbenzene	<1	µg/L	1	<1	11/22/02	8260b	---	1.4	116.2	110.4	114.3
m,p-Xylenes	<1	µg/L	1	<1	11/22/02	8260b	---	3.6	111.5	107.6	107.9
o-Xylene	<1	µg/L	1	<1	11/22/02	8260b	---	2	118.8	112	113.9
Toluene	<1	µg/L	1	<1	11/22/02	8260b	---	5.7	102.8	106.2	98.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

Client: Environmental Tech Group	**Project ID:** Monument to Lea 6" EO 2078	**Report#/Lab ID#:** 136615
Attn: Robert Edison	**Sample Name:** MW 4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	81.5	80-120	---
Toluene-d8	8260b	99.2	88-110	---

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

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

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

Report#/Lab ID#: 136616 **Report Date:** 11/26/02
Project ID: Monument to Lea 6" EO 2078
Sample Name: MW 5
Sample Matrix: water
Date Received: 11/20/2002 **Time:** 13:00
Date Sampled: 11/19/2002 **Time:** 09:49

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	---		---		11/22/02	8260b	---	---	---	---	---
Benzene	**2.88**	µg/L	1	<1	11/22/02	8260b	---	5.9	72.9	93.8	87.8
Ethylbenzene	**2.1**	µg/L	1	<1	11/22/02	8260b	---	1.4	116.2	110.4	114.3
m,p-Xylenes	**3.97**	µg/L	1	<1	11/22/02	8260b	---	3.6	111.5	107.6	107.9
o-Xylene	**1.05**	µg/L	1	<1	11/22/02	8260b	---	2	118.8	112	113.9
Toluene	**1.53**	µg/L	1	<1	11/22/02	8260b	---	5.7	102.8	106.2	98.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC

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

Client: Environmental Tech Group	**Project ID:** Monument to Lea 6" EO 2078	**Report#/Lab ID#:** 136616
Attn: Robert Edison	**Sample Name:** MW 5	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.1	80-120	---
Toluene-d8	8260b	96.9	88-110	---

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

AnalySys, Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 136617 **Report Date:** 11/26/02
Project ID: Monument to Lea 6" EO 2078
Sample Name: MW 6
Sample Matrix: water
Date Received: 11/20/2002 **Time:** 13:00
Date Sampled: 11/19/2002 **Time:** 09:11

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	---		---		11/22/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/22/02	8260b	---	5.9	72.9	93.8	87.8
Ethylbenzene	<1	µg/L	1	<1	11/22/02	8260b	---	1.4	116.2	110.4	114.3
m,p-Xylenes	<1	µg/L	1	<1	11/22/02	8260b	---	3.6	111.5	107.6	107.9
o-Xylene	<1	µg/L	1	<1	11/22/02	8260b	---	2	118.8	112	113.9
Toluene	<1	µg/L	1	<1	11/22/02	8260b	---	5.7	102.8	106.2	98.3

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Respectfully Submitted,

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:** Robert Edison	**Project ID:** Monument to Lea 6" EO 2078 **Sample Name:** MW 6	**Report#/Lab ID#:** 136617 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.9	80-120	---
Toluene-d8	8260b	97.4	88-110	---

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

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

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

Report#/Lab ID#: 136618 **Report Date:** 11/26/02
Project ID: Monument to Lea 6" EO 2078
Sample Name: EB 1
Sample Matrix: water
Date Received: 11/20/2002 **Time:** 13:00
Date Sampled: 11/19/2002 **Time:** 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		11/22/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/22/02	8260b	---	5.9	72.9	93.8	87.8
Ethylbenzene	<1	µg/L	1	<1	11/22/02	8260b	---	1.4	116.2	110.4	114.3
m,p-Xylenes	<1	µg/L	1	<1	11/22/02	8260b	---	3.6	111.5	107.6	107.9
o-Xylene	<1	µg/L	1	<1	11/22/02	8260b	---	2	118.8	112	113.9
Toluene	<1	µg/L	1	<1	11/22/02	8260b	---	5.7	102.8	106.2	98.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

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

Client: Environmental Tech Group **Attn:** Robert Edison	**Project ID:** Monument to Lea 6" EO 2078 **Sample Name:** EB 1	**Report#/Lab ID#:** 136618 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.3	80-120	---
Toluene-d8	8260b	98.9	88-110	---

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

CHAIN-OF-CUSTODY

ANALYSYS INC.
4221 Freidrich Lane, Suite 190, Austin, TX 7874
(512) 444-5896

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

Bill to (if different): COC: 190
Company Name
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: Monument to Zeta 6" Sampler: Manuela Campos
EO-2078

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8020	Comments
mw 1	11/19/02	0805	2		X		136612	X	
mw 2		0823					136613		
mw 3		0930					136614		
mw 4		0850					136615		
mw 5		0949					136616		
mw 6		0911					136617		
EB-1		1000					136618		

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

Temp: 3.9 C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Manuela Campos	E.T.G.I.	11/19/02	1130	Melanie Humphrey	ASI	11/20/02	13:00

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