

AP - 007

ANNUAL MONITORING REPORT

YEAR(S):
2003

ANNUAL MONITORING REPORT

ΔP 07

APR 15 2003

5/18/03

EOTT ENERGY, LLC
DARR ANGELL #2

SW ¼, SE ¼ OF SECTION 11, TOWNSHIP 15 SOUTH, RANGE 37 EAST
NW ¼, NE ¼ OF SECTION 14, TOWNSHIP 15 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

RECEIVED

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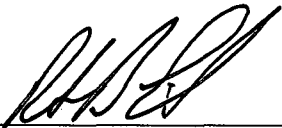
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APRIL 2003



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New Mexico Regional Manager

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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. The report presents the results of the quarterly groundwater monitoring events only. For reference, the Site Location Map is provided as Figure 1.

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

FIELD ACTIVITIES

The site monitor wells were gauged and sampled on February 14, June 13, August 25 and December 13, 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 collected in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Pate Trucking, Hobbs, New Mexico or Vista Trucking of Eunice, New Mexico utilizing a licensed disposal facility (NMOCD AO SWD-730).

GROUNDWATER GRADIENT

Locations of the monitor wells and the inferred groundwater gradient, as measured on December 13, 2002, are depicted on Figure 2 the Site Groundwater Gradient Map. The groundwater elevation data for this reporting period 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 0.002 ft/ft to the southeast as measured between groundwater monitor wells MW-1 and MW-3. The depth to groundwater as measured from the top of the well casing ranged between 57.82 to 66.70 feet in the shallow alluvial aquifer.

A measurable thickness of PSH was detected in recovery and monitor wells RW-1, RW-2 and MW-2 during the annual monitoring period. Maximum thicknesses of 10.33 feet in recovery well RW-1, 9.71 feet in recovery well RW-2 and 7.56 feet in monitor well MW-2 were recorded this period as shown on Table 1.

LABORATORY RESULTS

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

Laboratory results for all of the site groundwater samples obtained during the calendar year 2002 monitoring period, indicate that dissolved phase benzene and BTEX concentrations were below NMOCD regulatory standards for all of the on-site monitor wells.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of calendar year 2002. A measurable thickness of PSH was detected in recovery and monitor wells RW-1, RW-2 and MW-2, during the annual monitoring period. Maximum thicknesses of 10.33 feet in recovery well RW-1, 9.71 feet in recovery well RW-2 and 7.56 feet in monitor well MW-2 were recorded this period. Approximately 1,747 gallons of PSH was recovered from the site during this reporting period by the automated recovery system installed at the site. Recovered PSH was reintroduced into the EOTT transportation system at the Lea Station Facility, Monument, New Mexico.

Groundwater elevation contours generated from the final quarterly event of calendar year 2002 water level measurements indicate a general gradient of approximately 0.002 ft/ft to the southeast as measured between groundwater monitor wells MW-1 and MW-3.

Laboratory results for all of the site groundwater samples, obtained during the calendar year 2002 monitoring period indicate that dissolved phase benzene and BTEX constituent concentrations were below NMOCD regulatory standards for all of the on-site monitor wells.

DISTRIBUTION

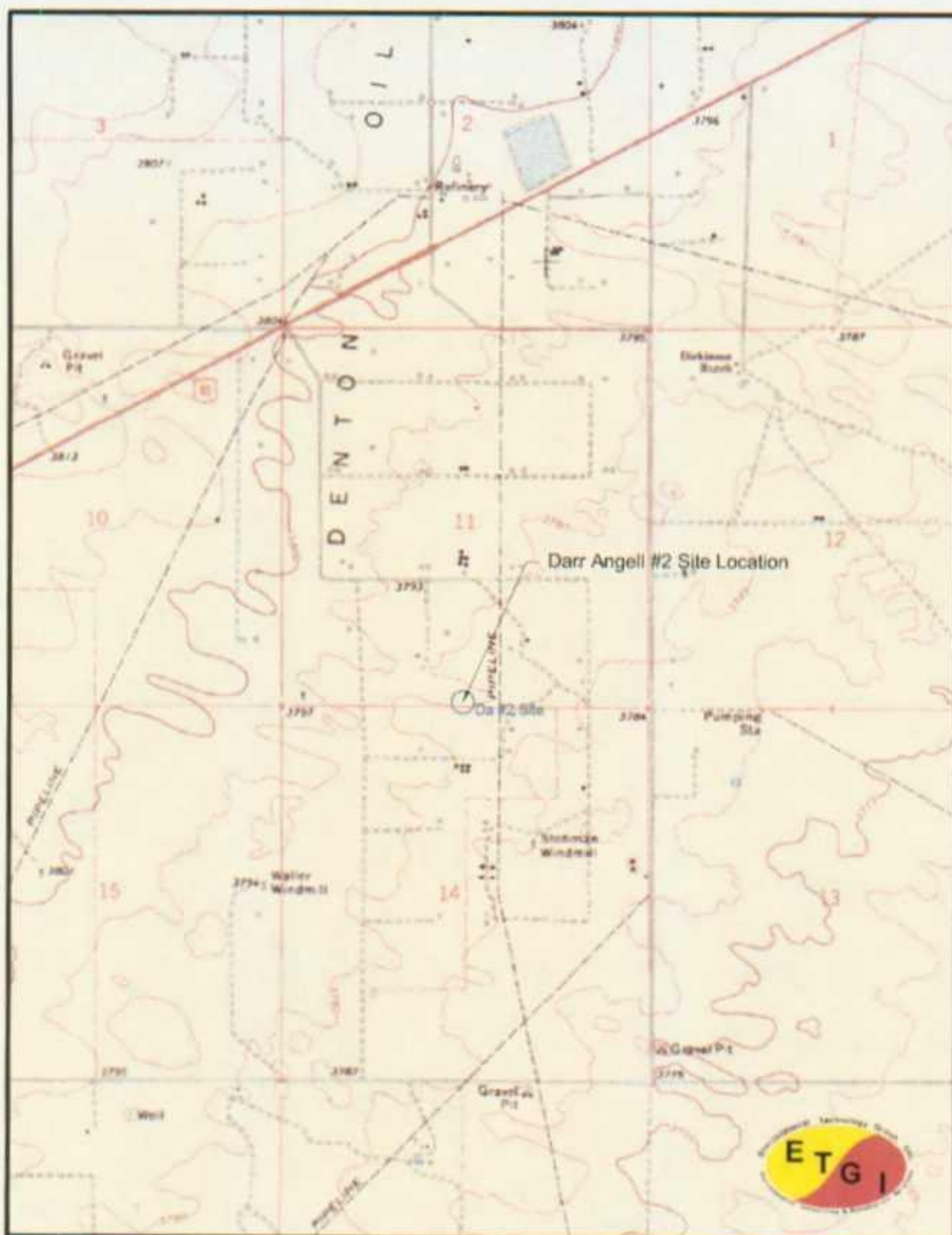
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Midland, Texas 79703
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2540 West Marland
Hobbs, New Mexico 88240

Copy Number 1

Quality Control Review

C. Reynolds

FIGURES



Site Location

033° 01' 47.0" N 103° 10' 16.5" W

SW 1/4 of SE 1/4 of Sec 11 T15S R37E

NW 1/4 of NE 1/4 of Sec 14 T15S R37E

Figure 1

Site Location Map

EOT Energy Corp.

Darr Angell # 2

Lea County, NM

Environmental Technology
Group, Inc.

Scale: 1"=2000'

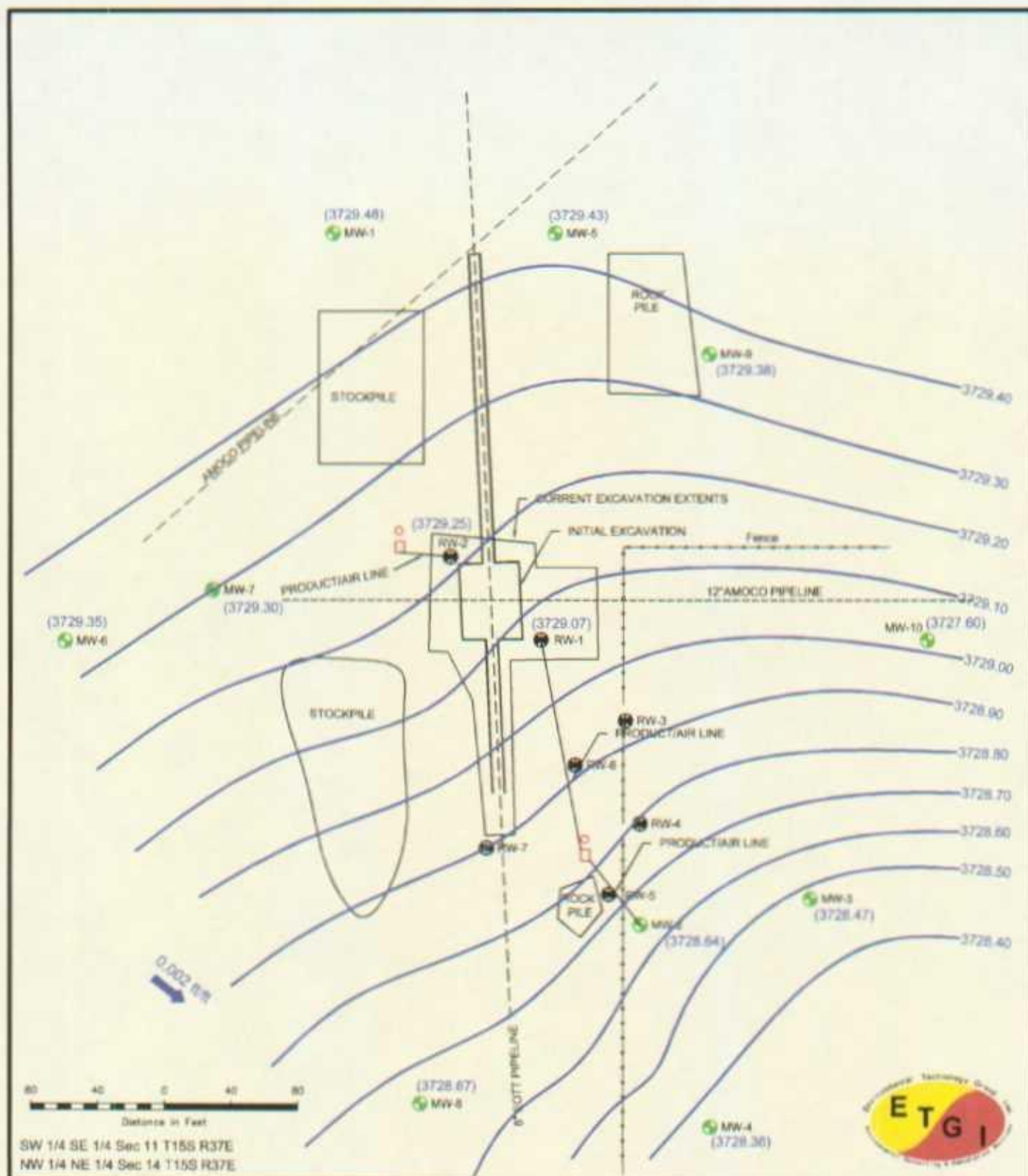
Prep By: JDU

Checked By: RBB

August 20, 2009

ETGI Project # EOT 2029C





LEGEND:

- Monitor Well Location
- Recovery Well Location
- (3728.84) Groundwater Elevation (in Feet)
- Groundwater Gradient Contour Line
- Groundwater Gradient Direction and Magnitude
- Excavation
- Poly Tank
- Shed

1403° 07' 47.0" N; 103° 10' 10.5" W

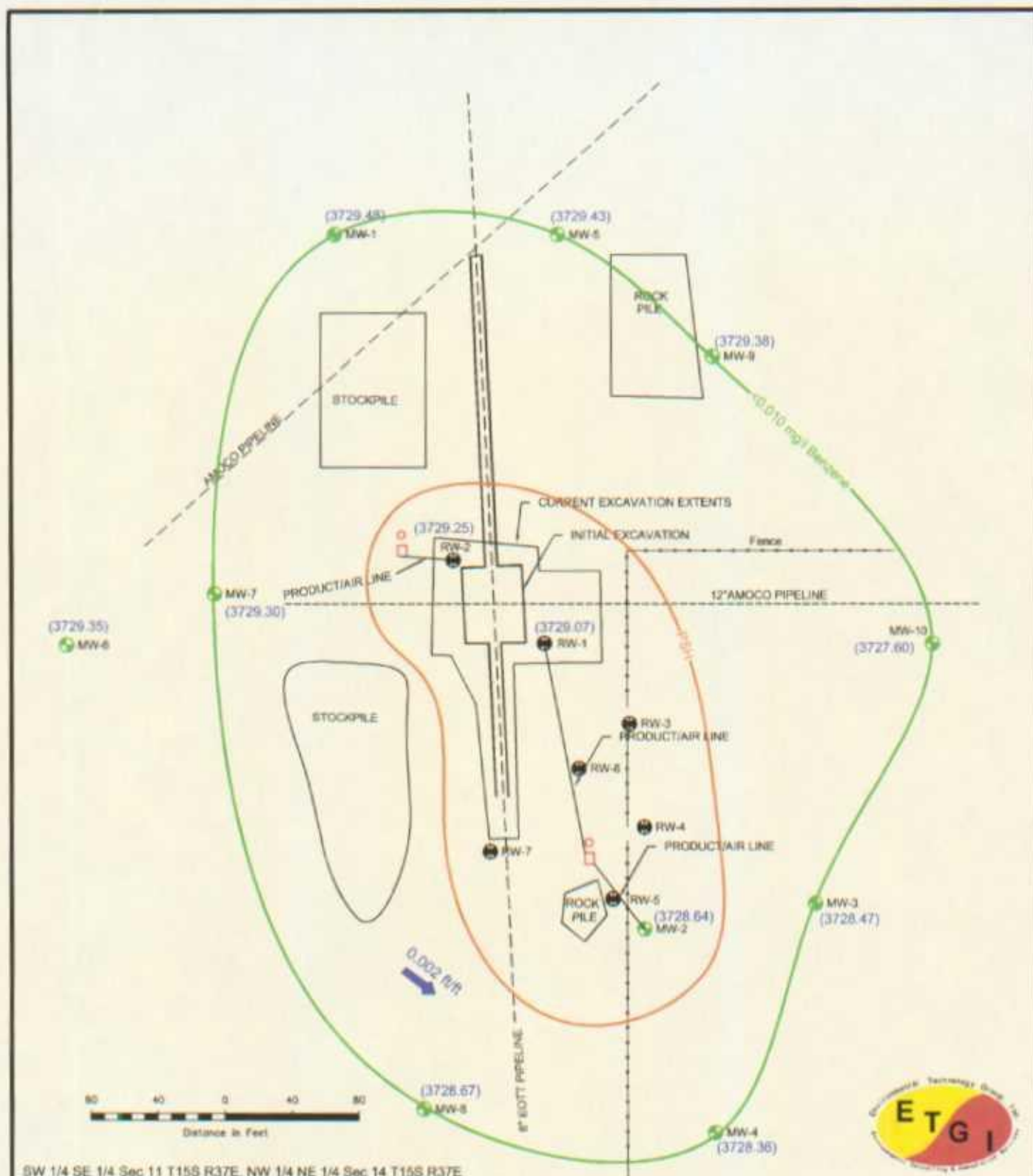
Figure 2
Inferred Groundwater
Gradient Map
12/13/02

EOTT Energy Corp.
Darr Angel # 2
Lea County, NM

Environmental Technology
Group, Inc.

Scale: 1"=80'	Prep By: LGM	Checked By: RE
March 21, 2003	EOTT Project # EOT 20209	





SW 1/4 SE 1/4 Sec 11 T15S R37E, NW 1/4 NE 1/4 Sec 14 T15S R37E

LEGEND:

- Monitor Well Location
- Recovery Well Location
- (3728.54) Groundwater Elevation (in Feet)
- Groundwater Gradient Contour Line
- Groundwater Gradient Direction and Magnitude
- Excavation
- Poly Tank
- Shed
- Extent of PSH

33° 01' 47.0"N 103° 10' 10.5"W

Figure 3

NMOCSD Site Map
12/13/02 Data

EOTT Energy Corp.
Darr Angell # 2
Lea County, NM

Environmental Technology
Group, Inc.

Scale: 1"=80'	Prep By: LGM	Checked By: RE
March 23, 2003	ETGI Project # EOC020	

TABLES

TABLE 1

GROUNDWATER ELEVATION

EOTT ENERGY, LLC
DARR ANGELL 2
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2020

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	06/16/00	3,788.04	-	57.35	0.00	3,730.69
	09/13/00	3,788.04	-	57.46	0.00	3,730.58
	11/15/00	3,788.04	-	57.61	0.00	3,730.43
	02/14/01	3,788.04	-	57.44	0.00	3,730.60
	06/07/01	3,788.04	-	57.80	0.00	3,730.24
	09/19/01	3,788.04	-	57.88	0.00	3,730.16
	10/11/01	3,788.04	-	57.95	0.00	3,730.09
	02/14/02	3,788.04	-	58.15	0.00	3,729.89
	06/13/02	3,788.04	-	58.30	0.00	3,729.74
	08/25/02	3,788.04	-	58.40	0.00	3,729.64
	12/13/02	3,788.04	-	58.56	0.00	3,729.48
MW - 2	06/16/00	3,788.41	-	58.62	0.00	3,729.79
	09/13/00	3,788.41	58.44	60.13	1.20	3,729.30
	11/15/00	3,788.41	58.15	62.26	4.11	3,729.64
	02/14/01	3,788.41	57.94	64.26	6.32	3,729.52
	06/07/01	3,788.41	57.83	65.05	7.22	3,729.50
	09/19/01	3,788.41	57.98	65.37	7.39	3,729.32
	10/11/01	3,788.41	58.44	63.41	4.97	3,729.22
	02/14/02	3,788.41	58.16	65.44	7.28	3,729.16
	06/13/02	3,788.41	58.30	65.63	7.33	3,729.01
	08/25/02	3,788.41	58.33	65.89	7.56	3,728.95
	12/13/02	3,788.41	59.02	64.00	4.98	3,728.64
MW - 3	06/16/00	3,787.94	-	58.27	0.00	3,729.67
	09/13/00	3,787.94	-	58.38	0.00	3,729.56
	11/15/00	3,787.94	-	58.48	0.00	3,729.46
	02/14/01	3,787.94	-	58.48	0.00	3,729.46
	06/07/01	3,787.94	-	58.69	0.00	3,729.25
	09/19/01	3,787.94	-	58.82	0.00	3,729.12
	10/11/01	3,787.94	-	58.84	0.00	3,729.10
	02/14/02	3,787.94	-	59.04	0.00	3,728.90
	06/13/02	3,787.94	-	59.21	0.00	3,728.73
	08/25/02	3,787.94	-	59.30	0.00	3,728.64
	12/13/02	3,787.94	-	59.47	0.00	3,728.47

TABLE 1

GROUNDWATER ELEVATION

EOTT ENERGY, LLC
DARR ANGELL 2
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2020

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	09/13/00	3,787.76	-	58.32	0.00	3,729.44
	11/15/00	3,787.76	-	58.41	0.00	3,729.35
	02/14/01	3,787.76	-	58.40	0.00	3,729.36
	06/07/01	3,787.76	-	58.62	0.00	3,729.14
	09/19/01	3,787.76	-	58.77	0.00	3,728.99
	10/11/01	3,787.76	-	58.78	0.00	3,728.98
	02/14/02	3,787.76	-	58.97	0.00	3,728.79
	06/13/02	3,787.76	-	59.13	0.00	3,728.63
	08/25/02	3,787.76	-	59.24	0.00	3,728.52
	12/13/02	3,787.76	-	59.40	0.00	3,728.36
MW - 5	09/19/01	3,787.73	-	57.84	0.00	3,729.89
	10/11/01	3,787.73	-	57.85	0.00	3,729.88
	02/14/02	3,787.73	-	58.04	0.00	3,729.69
	06/13/02	3,787.73	-	58.13	0.00	3,729.60
	08/25/02	3,787.73	-	58.30	0.00	3,729.43
	12/13/02	3,787.73	-	58.46	0.00	3,729.27
MW - 6	09/19/01	3,788.31	-	58.35	0.00	3,729.96
	10/11/01	3,788.31	-	58.44	0.00	3,729.87
	02/14/02	3,788.31	-	58.62	0.00	3,729.69
	06/13/02	3,788.31	-	58.78	0.00	3,729.53
	08/25/02	3,788.31	-	58.87	0.00	3,729.44
	12/13/02	3,788.31	-	58.96	0.00	3,729.35
MW - 7	09/19/01	3,788.65	-	58.96	0.00	3,729.69
	10/11/01	3,788.65	-	59.05	0.00	3,729.60
	02/14/02	3,788.65	-	59.23	0.00	3,729.42
	06/13/02	3,788.65	-	59.38	0.00	3,729.27
	08/25/02	3,788.65	-	59.48	0.00	3,729.17
	12/13/02	3,788.65	-	59.65	0.00	3,729.00
MW - 8	09/19/01	3,787.60	-	58.29	0.00	3,729.31
	10/11/01	3,787.60	-	58.32	0.00	3,729.28
	02/14/02	3,787.60	-	58.49	0.00	3,729.11
	06/13/02	3,787.60	-	58.66	0.00	3,728.94
	08/25/02	3,787.60	-	58.76	0.00	3,728.84
	12/13/02	3,787.60	-	58.93	0.00	3,728.67

TABLE 1
GROUNDWATER ELEVATION

EOTT ENERGY, LLC
DARR ANGELL 2
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2020

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	09/19/01	3,787.27	-	57.65	0.00	3,729.62
	10/11/01	3,787.27	-	57.65	0.00	3,729.62
	02/14/02	3,787.27	-	57.82	0.00	3,729.45
	06/13/02	3,787.27	-	57.98	0.00	3,729.29
	08/25/02	3,787.27	-	58.09	0.00	3,729.18
	12/13/02	3,787.27	-	58.26	0.00	3,729.01
MW - 10	02/14/02	3,787.50	-	58.47	0.00	3,729.03
	06/13/02	3,787.50	-	58.64	0.00	3,728.86
	08/25/02	3,787.50	-	58.72	0.00	3,728.78
	12/13/02	3,787.50	-	59.90	0.00	3,727.60
RW - 1	06/16/00	3,787.45	55.49	65.63	10.14	3,730.44
	09/13/00	3,787.45	55.53	65.92	10.39	3,730.36
	11/15/00	3,787.45	55.68	66.08	10.40	3,730.21
	02/14/01	3,787.45	55.80	66.19	10.39	
	06/07/01	3,787.45	55.90	66.25	10.35	3,730.00
	09/19/01	3,787.45	N.A.		N.A.	-
	10/11/01	3,787.45	N.A.		N.A.	-
	02/14/02	3,787.45	56.22	66.55	10.33	3,729.68
	06/13/02	3,787.45	56.40	66.65	10.25	3,729.51
	08/25/02	3,787.45	56.49	66.70	10.21	3,729.43
	12/13/02	3,787.45	57.04	65.97	8.93	3,729.07
	06/16/00	3,787.83	55.98	64.71	8.73	3,730.54
	09/13/00	3,787.83	55.93	65.42	9.49	3,730.48
	11/15/00	3,787.83	56.06	65.57	9.51	3,730.34
	02/14/01	3,787.83	56.18	65.43	9.25	3,730.26
RW - 2	06/07/01	3,787.83	56.28	65.90	9.62	3,730.11
	09/19/01	3,787.83	N.A.		N.A.	-
	10/11/01	3,787.83	N.A.		N.A.	-
	02/14/02	3,787.83	56.58	66.29	9.71	3,729.79
	06/13/02	3,787.83	58.40	59.50	1.10	3,729.27
	08/25/02	3,787.83	58.44	59.85	1.41	3,729.18
	12/13/02	3,787.83	57.26	66.04	8.78	3,729.25

Note: Baseline TOC elevation of RW-1 changed 3/5/02 due to resurvey to 3787.45

N.A. indicates well was inaccessible during gauging event.

TABLE 2
GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
DARR ANGELL 2
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2020

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW-1	06/16/00	<0.001	<0.001	<0.001	<0.001
	09/13/00	<0.001	<0.001	<0.001	<0.001
	11/15/00	<0.001	<0.001	<0.001	<0.001
	02/14/01	<0.001	<0.001	<0.001	<0.001
	06/07/01	0.005	<0.001	<0.001	<0.001
	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
	12/13/02	0.003	<0.001	<0.001	<0.001
MW-2	06/16/00	0.711	0.475	0.143	0.541
MW-3	06/16/00	0.001	<0.001	<0.001	<0.001
	09/13/00	<0.001	<0.001	<0.001	<0.001
	11/15/00	<0.001	<0.001	<0.001	<0.001
	02/14/01	<0.001	<0.001	<0.001	<0.001
	06/07/01	0.005	<0.001	<0.001	<0.001
	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
	12/13/02	0.003	<0.001	<0.001	<0.001
MW-4	07/14/00	<0.001	<0.001	<0.001	<0.001
	09/13/00	<0.001	<0.001	<0.001	<0.001
	11/15/00	<0.001	<0.001	<0.001	<0.001
	02/14/01	<0.001	<0.001	<0.001	<0.001
	06/07/01	0.007	<0.001	<0.001	<0.001
	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	0.002	<0.001	<0.001	<0.001
	06/13/02	0.002	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
	12/13/02	0.009	<0.001	0.001	<0.001

TABLE 2
GROUNDWATER CHEMISTRY

EOTT ENERGY, LLC
DARR ANGELL 2
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2020

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW-5	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
	12/13/02	0.002	<0.001	<0.001	<0.001
MW-6	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
	12/13/02	0.001	<0.001	<0.001	<0.001
MW-7	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
	12/13/02	0.001	<0.001	<0.001	<0.001
MW-8	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
	12/13/02	0.001	<0.001	<0.001	<0.001
MW-9	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
	12/13/02	0.002	<0.001	<0.001	<0.001
MW-10	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
	12/13/02	0.002	<0.001	<0.001	<0.001
EB1	08/25/02	<0.001	<0.001	<0.001	<0.001
	12/13/02	<0.001	<0.001	<0.001	<0.001

APPENDICES

Appendix A
Laboratory Reports

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#: 125729 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 1
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **Time:** 12:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	J	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 1

Report#/Lab ID#: 125729
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96	80-120	---
Toluene-d8	8260b	98.6	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125729	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Darr Angell #2 EOT 2020R		
Sample Name: MW 1		

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:



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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#: 125730 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 3
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **Time:** 13:07

REPORT OF ANALYSIS

Parameter	Result	Units
Volatile organics-8260b/BTEX	---	
Benzene	<1	µg/L
Ethylbenzene	<1	µg/L
m,p-Xylenes	<1	µg/L
o-Xylene	<1	µg/L
Toluene	<1	µg/L

QUALITY ASSURANCE DATA¹

Method ⁶	Date	Blank	RQL ⁵	Units	QOL ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
8260b	02/21/02		---			---	---	---	---
8260b	02/21/02	<1	1	µg/L		3	89.1	90.5	88.8
8260b	02/21/02	<1	1	µg/L		1.5	101.7	100.4	100.7
8260b	02/21/02	<1	1	µg/L	J	0.9	99.4	98.8	99.6
8260b	02/21/02	<1	1	µg/L		1.2	101.9	101.8	101.2
8260b	02/21/02	<1	1	µg/L		1.7	94.5	95.1	94.6

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 3

Report#/Lab ID#: 125730
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.6	80-120	---
Toluene-d8	8260b	99.5	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125730	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Darr Angell #2 EOT 2020R		
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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Comments pertaining to Data Qualifiers and QC data:

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

Notes:



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

Report#/Lab ID#: 125731 Report Date: 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 4
Sample Matrix: water
Date Received: 02/19/2002 Time: 09:55
Date Sampled: 02/14/2002 Time: 12:50

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	1.76	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	J	1.7	94.5	95.1	94.6

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 4

Report#/Lab ID#: 125731
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	101	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 125731	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Darr Angell #2 EOT 2020R		
Sample Name: MW 4		

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:



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Client: Environmental Tech Group
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Nm 88240

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

Report#/Lab ID#: 125732 Report Date: 03/01/02

Project ID: Darr Angell #2 EOT 2020R

Sample Name: MW 5

Sample Matrix: water

Date Received: 02/19/2002 Time: 09:55

Date Sampled: 02/14/2002 Time: 12:15

REPORT OF ANALYSIS

Parameter Volatile organics-8260b/BTEX

Benzene
Ethylbenzene
m,p-Xylenes
o-Xylene
Toluene

Result ---
<1
<1
<1
<1
<1

Units
µg/L
µg/L
µg/L
µg/L
µg/L

QUALITY ASSURANCE DATA¹

Parameter	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles		02/21/02	8260b	---	---	---	---	---
Benzene	<1	02/21/02	8260b	1	3	89.1	90.5	88.8
Ethylbenzene	<1	02/21/02	8260b	1	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	02/21/02	8260b	1	0.9	99.4	98.8	99.6
o-Xylene	<1	02/21/02	8260b	1	1.2	101.9	101.8	101.2
Toluene	<1	02/21/02	8260b	1	1.7	94.5	95.1	94.6

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 5

Report#/Lab ID#: 125732
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	98.7	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#: 125733 Report Date: 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 6
Sample Matrix: water
Date Received: 02/19/2002 Time: 09:55
Date Sampled: 02/14/2002 Time: 11:20

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 6

Report#/Lab ID#: 125733
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.6	80-120	---
Toluene-d8	8260b	97.5	88-110	---

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



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

Nm 88240

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

Report#/Lab ID#: 125734 Report Date: 03/01/02

Project ID: Darr Angell #2 EOT 2020R

Sample Name: MW 7

Sample Matrix: water

Date Received: 02/19/2002 Time: 09:55

Date Sampled: 02/14/2002 Time: 11:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 7

Report#/Lab ID#: 125734
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.9	80-120	---
Toluene-d8	8260b	100	88-110	---

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



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
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Nm 88240

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

Report#/Lab ID#: 125735 Report Date: 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 8
Sample Matrix: water
Date Received: 02/19/2002 Time: 09:55
Date Sampled: 02/14/2002 Time: 12:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 8

Report#/Lab ID#: 125735
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	---
Toluene-d8	8260b	96.6	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#: 125736 Report Date: 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 9
Sample Matrix: water
Date Received: 02/19/2002 Time: 09:55
Date Sampled: 02/14/2002 Time: 10:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 9

Report#/Lab ID#: 125736
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	---
Toluene-d8	8260b	98.1	88-110	---

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



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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group

Attn: Ken Dutton

Address: 2540 W. Marland

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Nm 88240

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

Report#/Lab ID#: 125737 Report Date: 03/01/02

Project ID: Darr Angell #2 EOT 2020R

Sample Name: MW 10

Sample Matrix: water

Date Received: 02/19/2002 Time: 09:55

Date Sampled: 02/14/2002 Time: 13:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	02/19/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	02/20/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO ₃	---	---	---	---	02/19/02	3015	---	---	---	---	---
Metals Dig.-HNO ₃ *filtered	---	---	---	---	02/20/02	3005a	---	---	---	---	---
Total dissolved solids	409	mg/L	1	<1	02/20/02	160.1	---	2.55	-NA-	-NA-	-NA-
Aluminum/ICP	30.9	mg/L	0.2	<0.2	02/20/02	6010 & 200.7	---	0.36	94.05	101.7	107.94
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	1.14	102.03	98.72	100.68
Barium/ICP	0.346	mg/L	0.01	<0.01	02/20/02	6010 & 200.7	---	0.85	90.16	101.42	97.61
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	02/20/02	6010 & 200.7	---	0.45	100.13	102.6	97.08
Boron/ICP	0.121	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	---	0.38	105	102.5	103.48
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	02/20/02	6010 & 200.7	---	5.94	77.69	96.12	98.96
Calcium/ICP*filtered	78.8	mg/L	0.1	<0.1	02/20/02	6010 & 200.7	---	0.99	99.53	102.16	94.57
Chromium/ICP	0.0196	mg/L	0.01	<0.01	02/20/02	6010 & 200.7	---	0.65	97.27	103.2	101.76
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	J	1.83	92.03	101.6	95.36
Copper/ICP	<0.02	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	---	1	102.75	98.84	98.24
Iron/ICP	13.5	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	2.87	114.26	100.96	106.33
Lead/ICP	<0.02	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	J	1.74	97.84	102.04	103.11
Magnesium/ICP*filtered	15.5	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	1.49	99.31	103.68	97.52
Manganese/ICP	0.184	mg/L	0.01	<0.01	02/20/02	6010 & 200.7	---	1.93	96.12	100.76	99.48
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	02/21/02	245.1&7470	---	0.91	110.1	108	101.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	---	0.84	103.92	100.7	100.87

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Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 10

Report#/Lab ID#: 125737
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Nickel/ICP	<0.02	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	J	1.28	92.14	100.3	97.42
Potassium/AA *filtered	2.52	mg/L	0.25	<0.25	02/20/02	258.1 & 7610	---	2.26	72.84	94.71	91.62
Selenium/ICP	<0.05	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	1.8	100.41	100.38	100.41
Silver/GFAA	<0.002	mg/L	0.002	<0.002	02/20/02	272.2 & 7761	---	2.38	77.06	85	111
Sodium/ICP*Filtered	41.7	mg/L	0.5	<0.5	02/20/02	6010 & 200.7	---	0.8	93.02	103.16	98.15
Strontium/ICP	1.33	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	1.16	87.17	100.42	105.65
Tin/ICP	<0.05	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	0.67	92	98.32	95.09
Vanadium/ICP	0.0892	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	---	0	100.3	101.04	98.83
Zinc/ICP	0.0268	mg/L	0.01	<0.01	02/20/02	6010 & 200.7	---	0.98	99.51	102.3	100.53
Alkalinity, bicarbonate	200	mg/L	10	<10	02/21/02	SM2320	---	1	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	02/21/02	SM2320	---	1	-NA-	-NA-	-NA-
Chloride	34.9	mg/L	0.5	<0.5	02/28/02	325.2 & 9251	---	3.49	106.16	101.38	99.62
Sulfate	87	mg/L	2	<2	02/28/02	375.4 & 9038	---	3.87	89.9	94.21	96.22
Extractable organics-PAH	---	---	---	---	02/21/02	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	21.8	59.9	104.6	44.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	24.6	59.6	102.3	43.7
Anthracene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	19.7	68.5	104.5	58.4
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	20	70.1	96.5	59.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	20.3	70.8	97.1	60.6
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	22.4	70.8	95.5	59.6
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	20.2	71.1	96.7	60.8
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	22	74.1	102.2	61.5
Chrysene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	21.6	71.8	99.5	61.6
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	20.1	70.4	99.4	59.7
Fluoranthene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	18.8	80.3	118.1	69.4
Fluorene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	15.6	68.4	109.2	52.9



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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 10

Report#/Lab ID#: 125737
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	22.6	71.7	98.6	60.4
Naphthalene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	26.5	54.6	100	39.2
Phenanthrene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	18.6	67.9	103.8	55.8
Pyrene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	22.3	67.2	96.4	57



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Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 10

Report#/Lab ID#: 125737
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	99.9	88-110	---
2-Fluorobiphenyl	8270c	43.9	43-116	---
Nitrobenzene-d5	8270c	42	35-114	---
Terphenyl-d14	8270c	47.7	33-141	---

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

Exceptions Report:

Report #/Lab ID#: 125737	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Darr Angell #2 EOT 2020R		
Sample Name: MW 10		

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

J flag Discussion

A J flag data qualifier indicates (as required under 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
Cobalt/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.

Notes:



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Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs

Nm 88240

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

Report#/Lab ID#: 125738 Report Date: 03/01/02

Project ID: Darr Angell #2 EOT 2020R

Sample Name: EB 1

Sample Matrix: water

Date Received: 02/19/2002 Time: 09:55

Date Sampled: 02/14/2002 Time: 13:40

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

QUALITY ASSURANCE DATA¹

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Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: EB 1

Report#/Lab ID#: 125738
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.1	80-120	---
Toluene-d8	8260b	99.5	88-110	---

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



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Client: Environmental Tech Group

Attn: Ken Dutton

Address: 2540 W. Marland
Hobbs, NM 88240

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

Report# / Lab ID#: 130752 Report Date: 06/27/02

Project ID: Darr Angell 2 EOT 2020R

Sample Name: MW 1

Sample Matrix: water

Date Received: 06/21/2002 Time: 09:40

Date Sampled: 06/13/2002 Time: 09:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	J	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	3.2	91.7	105.3	93.3

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 1

Report#/Lab ID#: 130752
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.6	80-120	---
Toluene-d8	8260b	109	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 130752	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Darr Angell 2 EOT 2020R		
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
Benzene	J	See J-flag discussion above.

Notes:



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

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

Report#/Lab ID#: 130753 Report Date: 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 3
Sample Matrix: water
Date Received: 06/21/2002 Time: 09:40
Date Sampled: 06/13/2002 Time: 11:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/26/02	8260b		---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	J	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	3.2	91.7	105.3	93.3

QUALITY ASSURANCE DATA¹

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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Dar Angell 2 EOT 2020R
Sample Name: MW 3

Report#/Lab ID#: 130753
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

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

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

Exceptions Report:

Report #/Lab ID#: 130753	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Darr Angell 2 EOT 2020R		
Sample Name: MW 3		

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

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

Sample Bottles & Preservation

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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:



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Client: Environmental Tech Group

Attn: Ken Dutton

Address: 2540 W. Marland
Hobbs, NM 88240

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

Report#/Lab ID#: 130754 Report Date: 06/27/02

Project ID: Darr Angell 2 EOT 2020R

Sample Name: MW 4

Sample Matrix: water

Date Received: 06/21/2002 Time: 09:40

Date Sampled: 06/13/2002 Time: 11:22

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	2.16	µg/L	1	<1	06/26/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	J	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/26/02	8260b	J	3.2	91.7	105.3	93.3

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group	Project ID: Darr Angell 2 EOT 2020R	Report#/Lab ID#: 130754
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	105	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 130754	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Darr Angell 2 EOT 2020R		
Sample Name: MW 4		

Sample Temperature/Condition <=6°C

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

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:



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Client: Environmental Tech Group

Attn: Ken Dutton

Address: 2540 W. Marland
Hobbs, NM 88240

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

Report#Lab ID#: 130755 Report Date: 06/27/02

Project ID: Darr Angell 2 EOT 2020R

Sample Name: MW 5

Sample Matrix: water

Date Received: 06/21/2002 Time: 09:40

Date Sampled: 06/13/2002 Time: 09:20

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	J	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	3.2	91.7	105.3	93.3

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 5

Report#/Lab ID#: 130755
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	---
Toluene-d8	8260b	108	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 130755	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Darr Angell 2 EOT 2020R		
Sample Name: MW 5		

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:



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

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

Report#/Lab ID#: 130756 Report Date: 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 6
Sample Matrix: water
Date Received: 06/21/2002 Time: 09:40
Date Sampled: 06/13/2002 Time: 09:37

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	3.2	91.7	105.3	93.3

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 6

Report#/Lab ID#: 130756
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	109	88-110	---

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



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

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

Report#/Lab ID#: 130757 Report Date: 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 7
Sample Matrix: water
Date Received: 06/21/2002 Time: 09:40
Date Sampled: 06/13/2002 Time: 10:21

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	J	2.3	98.7	107.1	97
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	0.5	119.2	116.9	117.2
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1	109.4	106.2	108.4
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.2	118.9	113.8	115.5
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	1.8	102.7	104.9	99

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 7

Report#/Lab ID#: 130757
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.6	80-120	---
Toluene-d8	8260b	98.9	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 130757	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Darr Angell 2 EOT 2020R		
Sample Name: MW 7		

Sample Temperature/Condition <=6°C

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☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

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#: 130758 **Report Date:** 06/27/02

Project ID: Dar Angell 2 EOT 2020R

Sample Name: MW 8

Sample Matrix: water

Date Received: 06/21/2002 **Time:** 09:40

Date Sampled: 06/13/2002 **Time:** 10:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	---	2.3	98.7	107.1	97
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	0.5	119.2	116.9	117.2
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1	109.4	106.2	108.4
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.2	118.9	113.8	115.5
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	1.8	102.7	104.9	99

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 8

Report#/Lab ID#: 130758
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	109	88-110	---

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



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Client: Environmental Tech Group

Attn: Ken Dutton

Address: 2540 W. Marland
Hobbs, NM 88240

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

Report#/Lab ID#: 130759 Report Date: 06/27/02

Project ID: Dar Angell 2 EOT 2020R

Sample Name: MW 9

Sample Matrix: water

Date Received: 06/21/2002 Time: 09:40

Date Sampled: 06/13/2002 Time: 11:49

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	---	2.3	98.7	107.1	97
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	0.5	119.2	116.9	117.2
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1	109.4	106.2	108.4
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.2	118.9	113.8	115.5
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	1.8	102.7	104.9	99

QUALITY ASSURANCE DATA¹

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 9

Report#/Lab ID#: 130759
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.4	80-120	---
Toluene-d8	8260b	109	88-110	---

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



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

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

Report#/Lab ID#: 130760 Report Date: 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10
Sample Matrix: water
Date Received: 06/21/2002 Time: 09:40
Date Sampled: 06/13/2002 Time: 10:42

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	---	2.3	98.7	107.1	97
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	0.5	119.2	116.9	117.2
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1	109.4	106.2	108.4
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.2	118.9	113.8	115.5
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	1.8	102.7	104.9	99

QUALITY ASSURANCE DATA¹

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10

Report#/Lab ID#: 130760
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	104	88-110	---

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



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Client: Environmental Tech Group

Attn: Ken Dutton

Address: 2540 W. Marland
Hobbs,

NM 88240

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

Report#/Lab ID#: 130761 Report Date: 06/27/02

Project ID: Darr Angell 2 EOT 2020R

Sample Name: EB 1

Sample Matrix: water

Date Received: 06/21/2002 Time: 09:40

Date Sampled: 06/13/2002 Time: 12:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	---	2.3	98.7	107.1	97
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	0.5	119.2	116.9	117.2
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1	109.4	106.2	108.4
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.2	118.9	113.8	115.5
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	1.8	102.7	104.9	99

QUALITY ASSURANCE DATA¹

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Richard Laster

Richard Laster

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

Client: Environmental Tech Group	Project ID: Darr Angell 2 EOT 2020R	Report#/Lab ID#: 130761
Attn: Ken Dutton	Sample Name: EB 1	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	106	88-110	---

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

CHAIN-OF-CUSTODY

Send Reports To:

Company Name ETGI
 Address 2540 W MARLAND
 City HOUSTON State TX Zip 77041
 ATTN: ANNE DUTTON
 Phone (505) 947-4182 Fax (505) 947-4701

Bill to (if different):

Company Name ETGI
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____ Phone _____ Fax _____

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

Project Name/PO#: DARR BARKELL 2 Sampler: Simon Caran
ET 2020R

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 1	6-13-02	0900	2	X		130752	X
MW 3		1100	1			130753	
MW 4		1122	1			130754	
MW 5		0920	1			130755	
MW 6		0937	1			130756	
MW 7		1021	1			130757	
MW 8		1000	1			130758	
MW 9		1149	1			130759	
MW 10		1042	1			130760	
EB 1		1200	1	Y		130761	

For data 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 method of choice. 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. For DDTs, or ASI's HSI list or ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 4.0°C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
<u>Simon Caran</u>	<u>ETGI</u>	<u>6/20/02</u>	<u>Melanie Humphrey</u>	<u>ASI</u>	<u>6/21/02</u>
					<u>0940</u>

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

ANALYSYS
INC.

4221 Freidrich Lane, Suite 100, Austin, TX 78744
 Phone: (512) 443-5806
 Fax: (512) 443-1766

Analyzes Requested (1)

Please attach explanatory information as required

RTX 9021

Comments

20080927 2857



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

Client: Environmental Tech Group

Attn: Ken Dutton

Address: 2540 W. Marland
Hobbs, NM 88240

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

Report#/Lab ID#: 133273 Report Date: 09/11/02

Project ID: DARR ANGELL 2 EO2020R

Sample Name: MW-1

Sample Matrix: water

Date Received: 09/04/2002 Time: 09:45

Date Sampled: 08/25/2002 Time: 11:50

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	1.4	71.1	88	84.8
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.8	104.3	99.1	101.2
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	4.3	107.4	99.2	96.3
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	3.2	110.9	102	96.2
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	92	92.7	86.9

QUALITY ASSURANCE DATA¹

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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: Ken Dutton	Project ID: DARR ANGELL 2 EO2020R Sample Name: MW-1	Report#/Lab ID#: 133273 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

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

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



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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#: 133274 Report Date: 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-3
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/25/2002 Time: 14:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

QUALITY ASSURANCE DATA¹

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Richard Laster

Richard Laster

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

Client: Environmental Tech Group	Project ID: DARR-ANGELL 2 EO2020R	Report#/Lab ID#: 133274
Attn: Ken Dutton	Sample Name: MW-3	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

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

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



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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#: 133275 Report Date: 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-4
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/25/2002 Time: 13:50

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

QUALITY ASSURANCE DATA¹

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Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: DARR ANGELL 2 EO2020R Sample Name: MW-4	Report#/Lab ID#: 133275 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	80-120	---
Toluene-d8	8260b	99.9	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#: 133276 **Report Date:** 09/11/02

Project ID: DARR ANGELL 2 EO2020R

Sample Name: MW-5

Sample Matrix: water

Date Received: 09/04/2002 **Time:** 09:45

Date Sampled: 08/25/2002 **Time:** 11:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

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Client: Environmental Tech Group	Project ID: DARR ANGELL 2 EO2020R	Report#/Lab ID#: 133276
Attn: Ken Dutton	Sample Name: MW-5	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	113	80-120	---
Toluene-d8	8260b	99.8	88-110	---

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



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Hobbs, NM 88240

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

Report#/Lab ID#: 133277 Report Date: 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-6
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/25/2002 Time: 12:10

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: DARR ANGELL 2 EO2020R Sample Name: MW-6	Report#/Lab ID#: 133277 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	101	88-110	---

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



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Report#/Lab ID#: 133278 Report Date: 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-7
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/25/2002 Time: 12:50

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: DARR ANGELL 2 EO2020R Sample Name: MW-7	Report#/Lab ID#: 133278 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

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

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



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

Report#/Lab ID#: 133279 Report Date: 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-8
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/25/2002 Time: 12:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: DARR ANGELL 2 EO2020R Sample Name: MW-8	Report#/Lab ID#: 133279 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	113	80-120	---
Toluene-d8	8260b	99.9	88-110	---

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



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

Report#/Lab ID#: 133280 Report Date: 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-9
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/25/2002 Time: 13:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: DARR ANGELL 2 EO2020R Sample Name: MW-9	Report#/Lab ID#: 133280 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	80-120	---
Toluene-d8	8260b	100	88-110	---

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



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

Report#/Lab ID#: 133281 Report Date: 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-10
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/25/2002 Time: 14:10

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-10

Report#/Lab ID#: 133281
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	102	88-110	---

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



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Hobbs, NM 88240

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

Report# / Lab ID#: 133282 Report Date: 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: EB 1
Sample Matrix: water
Date Received: 09/04/2002 Time: 09:45
Date Sampled: 08/25/2002 Time: 14:45

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: DARR ANGELL 2 EO2020R
Sample Name: EB 1

Report#/Lab ID#: 133282
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

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

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

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4221 Fieldrich Lane, Suite 100, Austin, TX 78711
Phone: (512) 441-5806
Fax: (512) 447-4766

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

Project Name/PO#: DARR ANGELL 2 Sampler: Simon Casas

EO 2020R

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 1	8/25/02	1150	2		X		133273	
MW 3		1430					133274	
MW 4		1350					133275	
MW 5		1160					133276	
MW 6		1210					133277	
MW 7		1250					133278	
MW 8		1230					133279	
MW 9		1330					133280	
MW 10		1410					133281	
EB 1		1445					133282	

(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 method of choice. 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 Parent's Requested ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 2.0 °C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Simon Casas	ETGI	9/3/02	Blaine Humphrey	ASI	9/1/02
					0945

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

Client: Environmental Tech Group

Attn: Robert Edison

Address: 2540 W. Marland

Hobbs

NM 88240

Phone: 505 397-4882

FAX: 505 397-4701

Report#/Lab ID#: 137551 Report Date: 12/27/02

Project ID: Darr Angell #2 EO 2020

Sample Name: MW 1

Sample Matrix: water

Date Received: 12/18/2002 Time: 14:30

Date Sampled: 12/13/2002 Time: 09:58

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/23/02	8260b	---	---	---	---	---
Benzene	2.93	µg/L	1	<1	12/23/02	8260b	---	1.5	114.7	112.1	119.5
Ethylbenzene	<1	µg/L	1	<1	12/23/02	8260b	J	1.9	86.3	86.4	87.2
m,p-Xylenes	<1	µg/L	1	<1	12/23/02	8260b	---	1	85.5	84.5	83.4
o-Xylene	<1	µg/L	1	<1	12/23/02	8260b	---	0.2	89.2	86.3	86.7
Toluene	<1	µg/L	1	<1	12/23/02	8260b	---	2.9	95.7	88.1	98.3

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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

Client: Environmental Tech Group Attn: Robert Edison	Project ID: Darr Angell #2 EO 2020 Sample Name: MW 1	Report#/Lab ID#: 137551 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	108	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 137551	Matrix: water	Attn: Robert Edison
Client: Environmental Tech Group		
Project ID: Dar Angell #2 EO 2020		
Sample Name: MW 1		

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

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

Sample Bottles & Preservation

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:



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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#: 137552 Report Date: 12/27/02

Project ID: Darr Angell #2 EO 2020

Sample Name: MW 3

Sample Matrix: water

Date Received: 12/18/2002 Time: 14:30

Date Sampled: 12/13/2002 Time: 12:48

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		12/23/02	8260b	---	---	---	---	---
Benzene	2.8	µg/L	1	<1	12/23/02	8260b	---	1.5	114.7	112.1	119.5
Ethylbenzene	<1	µg/L	1	<1	12/23/02	8260b	J	1.9	86.3	86.4	87.2
m,p-Xylenes	<1	µg/L	1	<1	12/23/02	8260b	---	1	85.5	84.5	83.4
o-Xylene	<1	µg/L	1	<1	12/23/02	8260b	---	0.2	89.2	86.3	86.7
Toluene	<1	µg/L	1	<1	12/23/02	8260b	---	2.9	95.7	88.1	98.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Robert Edison	Project ID: Darr Angell #2 EO 2020 Sample Name: MW 3	Report#/Lab ID#: 137552 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	---
Toluene-d8	8260b	101	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 137552	Matrix: water	Attn: Robert Edison
Client: Environmental Tech Group		
Project ID: Darr Angell #2 EO 2020		
Sample Name: MW 3		

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualifier	Comment
Ethylbenzene	J	See J-flag discussion above.

Notes:



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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#: 137553 Report Date: 12/27/02

Project ID: Darr Angell #2 EO 2020

Sample Name: MW 4

Sample Matrix: water

Date Received: 12/18/2002 Time: 14:30

Date Sampled: 12/13/2002 Time: 12:26

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/23/02	8260b	---	---	---	---	---
Benzene	8.62	µg/L	1	<1	12/23/02	8260b	---	1.5	114.7	112.1	119.5
Ethylbenzene	1.45	µg/L	1	<1	12/23/02	8260b	---	1.9	86.3	86.4	87.2
m,p-Xylenes	<1	µg/L	1	<1	12/23/02	8260b	J	1	85.5	84.5	83.4
o-Xylene	<1	µg/L	1	<1	12/23/02	8260b	---	0.2	89.2	86.3	86.7
Toluene	<1	µg/L	1	<1	12/23/02	8260b	J	2.9	95.7	88.1	98.3

QUALITY ASSURANCE DATA¹

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Richard Laster

Richard Laster

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Client: Environmental Tech Group	Project ID: Darr Angell #2 EO 2020	Report#/Lab ID#: 137553
Attn: Robert Edison	Sample Name: MW 4	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	---
Toluene-d8	8260b	102	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 137553	Matrix: water	Attn: Robert Edison
Client: Environmental Tech Group		
Project ID: Darr Angell #2 EO 2020		
Sample Name: MW 4		

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

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

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:



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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#: 137554 Report Date: 12/27/02

Project ID: Darr Angell #2 EO 2020

Sample Name: MW 5

Sample Matrix: water

Date Received: 12/18/2002 Time: 14:30

Date Sampled: 12/13/2002 Time: 10:12

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/23/02	8260b	---	---	---	---	---
Benzene	2.29	µg/L	1	<1	12/23/02	8260b	---	1.5	114.7	112.1	119.5
Ethylbenzene	<1	µg/L	1	<1	12/23/02	8260b	J	1.9	86.3	86.4	87.2
m,p-Xylenes	<1	µg/L	1	<1	12/23/02	8260b	---	1	85.5	84.5	83.4
o-Xylene	<1	µg/L	1	<1	12/23/02	8260b	---	0.2	89.2	86.3	86.7
Toluene	<1	µg/L	1	<1	12/23/02	8260b	---	2.9	95.7	88.1	98.3

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Robert Edison	Project ID: Darr Angell #2 EO 2020 Sample Name: MW 5	Report#/Lab ID#: 137554 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

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

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

Exceptions Report:

Report #/Lab ID#: 137554	Matrix: water	Attn: Robert Edison
Client: Environmental Tech Group		
Project ID: Darr Angell #2 EO 2020		
Sample Name: MW 5		

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:



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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#: 137555 Report Date: 12/27/02
Project ID: Darr Angell #2 EO 2020
Sample Name: MW 6
Sample Matrix: water
Date Received: 12/18/2002 Time: 14:30
Date Sampled: 12/13/2002 Time: 11:33

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/23/02	8260b	---	---	---	---	---
Benzene	1.16	µg/L	1	<1	12/23/02	8260b	---	1.5	114.7	112.1	119.5
Ethylbenzene	<1	µg/L	1	<1	12/23/02	8260b	---	1.9	86.3	86.4	87.2
m,p-Xylenes	<1	µg/L	1	<1	12/23/02	8260b	---	1	85.5	84.5	83.4
o-Xylene	<1	µg/L	1	<1	12/23/02	8260b	---	0.2	89.2	86.3	86.7
Toluene	<1	µg/L	1	<1	12/23/02	8260b	---	2.9	95.7	88.1	98.3

QUALITY ASSURANCE DATA¹

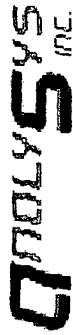
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All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

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Edison

Project ID: Darr Angell #2 EO 2020
Sample Name: MW 6

Report#/Lab ID#: 137555
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	100	88-110	---

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



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Client: Environmental Tech Group

Attn: Robert Edison

Address: 2540 W. Marland

Hobbs

NM 88240

Phone: 505 397-4882

FAX: 505 397-4701

Report#/Lab ID#: 137556 Report Date: 12/27/02

Project ID: Darr Angell #2 EO 2020

Sample Name: MW 7

Sample Matrix: water

Date Received: 12/18/2002 Time: 14:30

Date Sampled: 12/13/2002 Time: 11:16

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/23/02	8260b	---	---	---	---	---
Benzene	1.44	µg/L	1	<1	12/23/02	8260b	---	1.5	114.7	112.1	119.5
Ethylbenzene	<1	µg/L	1	<1	12/23/02	8260b	J	1.9	86.3	86.4	87.2
m,p-Xylenes	<1	µg/L	1	<1	12/23/02	8260b	---	1	85.5	84.5	83.4
o-Xylene	<1	µg/L	1	<1	12/23/02	8260b	---	0.2	89.2	86.3	86.7
Toluene	<1	µg/L	1	<1	12/23/02	8260b	---	2.9	95.7	88.1	98.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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

Client: Environmental Tech Group Attn: Robert Edison	Project ID: Darr Angell #2 EO 2020 Sample Name: MW 7	Report#/Lab ID#: 137556 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	80-120	---
Toluene-d8	8260b	102	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 137556	Matrix: water	Attn: Robert Edison
Client: Environmental Tech Group		
Project ID: Darr Angell #2 EO 2020		
Sample Name: MW 7		

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.

Notes:



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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#: 137557 Report Date: 12/27/02

Project ID: Darr Angell #2 EO 2020

Sample Name: MW 8

Sample Matrix: water

Date Received: 12/18/2002 Time: 14:30

Date Sampled: 12/13/2002 Time: 10:53

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/23/02	8260b	---	---	---	---	---
Benzene	1.22	µg/L	1	<1	12/23/02	8260b	---	1.5	114.7	112.1	119.5
Ethylbenzene	<1	µg/L	1	<1	12/23/02	8260b	---	1.9	86.3	86.4	87.2
m,p-Xylenes	<1	µg/L	1	<1	12/23/02	8260b	---	1	85.5	84.5	83.4
o-Xylene	<1	µg/L	1	<1	12/23/02	8260b	---	0.2	89.2	86.3	86.7
Toluene	<1	µg/L	1	<1	12/23/02	8260b	---	2.9	95.7	88.1	98.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Robert Edison

Project ID: Darr Angell #2 EO 2020
Sample Name: MW 8

Report#/Lab ID#: 137557
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.



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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#: 137558 Report Date: 12/27/02

Project ID: Darr Angell #2 EO 2020

Sample Name: MW 9

Sample Matrix: water

Date Received: 12/18/2002 Time: 14:30

Date Sampled: 12/13/2002 Time: 10:33

REPORT OF ANALYSIS

Parameter Volatile organics-8260b/BTEX

Benzene
Ethylbenzene
m,p-Xylenes
o-Xylene
Toluene

Result	Units

1.79	µg/L
<1	µg/L
<1	µg/L
<1	µg/L
<1	µg/L

QUALITY ASSURANCE DATA¹

Method ⁶	Date	Blank	RQL ⁵	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
8260b	12/23/02		---	---	---	---	---	---
8260b	12/23/02	<1	1	---	1.5	114.7	112.1	119.5
8260b	12/23/02	<1	1	---	1.9	86.3	86.4	87.2
8260b	12/23/02	<1	1	---	1	85.5	84.5	83.4
8260b	12/23/02	<1	1	---	0.2	89.2	86.3	86.7
8260b	12/23/02	<1	1	---	2.9	95.7	88.1	98.3

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Richard Laster

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Client: Environmental Tech Group Attn: Robert Edison	Project ID: Darr Angell #2 EO 2020 Sample Name: MW 9	Report#/Lab ID#: 137558 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

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

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



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

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

Report#/Lab ID#: 137559 Report Date: 12/27/02
Project ID: Darr Angell #2 EO 2020
Sample Name: MW 10
Sample Matrix: water
Date Received: 12/18/2002 Time: 14:30
Date Sampled: 12/13/2002 Time: 11:52

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/23/02	8260b	---	---	---	---	---
Benzene	2.19	µg/L	1	<1	12/23/02	8260b	---	1.5	114.7	112.1	119.5
Ethylbenzene	<1	µg/L	1	<1	12/23/02	8260b	J	1.9	86.3	86.4	87.2
m,p-Xylenes	<1	µg/L	1	<1	12/23/02	8260b	---	1	85.5	84.5	83.4
o-Xylene	<1	µg/L	1	<1	12/23/02	8260b	---	0.2	89.2	86.3	86.7
Toluene	<1	µg/L	1	<1	12/23/02	8260b	---	2.9	95.7	88.1	98.3

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group Attn: Robert Edison	Project ID: Darr Angell #2 EO 2020 Sample Name: MW 10	Report#/Lab ID#: 137559 Sample Matrix: water
---	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	---
Toluene-d8	8260b	101	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 137559	Matrix: water	Attn: Robert Edison
Client: Environmental Tech Group		
Project ID: Darr Angell #2 EO 2020		
Sample Name: MW 10		

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

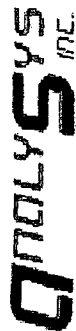
J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:



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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#: 137560 Report Date: 12/27/02
Project ID: Darr Angell #2 EO 2020
Sample Name: EB 1
Sample Matrix: water
Date Received: 12/18/2002 Time: 14:30
Date Sampled: 12/13/2002 Time: 12:40

REPORT OF ANALYSIS

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

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Robert Edison	Project ID: Darr Angell #2 EO 2020 Sample Name: EB 1	Report#/Lab ID#: 137560 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	80.6	80-120	--
Toluene-d8	8260b	98.1	88-110	--

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

CHAIN-OF-CUSTODY

Send Reports to:

Company Name E.T.G.I.
 Address 2540 W. Maryland State MI Zip 88240
 City Hobbs
 ATTN: Robert Edison
 Phone 505-397-4883 Fax 505-397-4701

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

Project Name/PO#: Dan Agell #2 Sampler: Marcelo Campos
EC-2830

Bill to (if different):

Company Name COC-215
 Address _____ State _____ Zip _____
 City _____
 ATTN: _____
 Phone _____ Fax _____

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)
mw 1	12/13/02	0958	2		X		137551
mw 3		1248					137552
mw 4		1226					137553
mw 5		1012					137554
mw 6		1133					137555
mw 7		1116					137556
mw 8		1053					137557
mw 9		1033					137558
mw 10		1152					137559
E.B.-1	✓	1240	✓		✓		137560

Comments

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

Temp: 4.1°C

Sample Relinquished By

Name	Affiliation	Date	Time
Marcelo Campos	E.T.G.I.	12/17/02	0830

Sample Received By

Name	Affiliation	Date	Time
Marcelo Campos	ASI	12/18/02	14:30

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