AP - 32

ANNUAL MONITORING REPORT

YEAR(S):
2002

Tipperary CORPORATION

633 Seventeenth Street
Suite 1550
Denver, Colorado 80202-3622

February 12, 2003

VIA OVERNIGHT MAIL

Mr. William C. Olson
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87504

RE: Progress Report for Year 2002
Tatum Pit Closure Project
Lea County, NM

Dear Mr. Olson:

Please find enclosed the 2002 results from our monitor wells in the subject project area. This report summarizes the results from water samples taken on February 16, April 3, June 7 and October 19, 2002. These results represent 21 quarters of monitoring. In general, we are continuing to observe decreasing levels of BTEX in the monitor wells.

The Executive Summary section contains the following:

- Discussion of results by location.
- Map of pit reclamation locations.
- Chart of monitor well gradients.
- Monitor well location maps.
- Wellbore logs of recently drilled monitor wells.

Detailed results are presented in tabular and graphical format for each monitor well. The monitor well data is grouped by site location in the report. The Exhibits Section contains the quarterly lab results and all associated quality control information. We will continue to sample the project quarterly and report the results to your office on an annual basis. If you have any questions, please call me at (303) 293-9379.

Very truly yours,

Larry G. Sugano

Larry G. Sugano
Vice President - Engineering

cc: Mr. Paul Sheeley, NMOCD Hobbs Office

Enclosure

Tipperary
CORPORATION

Tipperary Corporation
Annual Report
Bagley Field
Monitor Well Sampling Results

RECEIVED

FEB 13 2003

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Whole Earth Environmental
19606 San Gabriel
Houston, Tx. 77084

Executive Summary
Tipperary Corporation
Bagley Field
2002 Water Sampling Results

Activity Summary
We began the year bailing and sampling the Bagley Field monitor wells using a new Grunfos pump and having made extensive revisions to our decontamination procedures. The changes allowed us not only to pump approximately twice the volumes from each well than our previous methods but also have a greater confidence in the actual results obtained.

Iva Com
The BTEX concentrations within the recovery well are up approximately 5% from last year but down over 90% from the initial sampling period of four years ago. We estimate that the present oil / water cut within the recovery well is 3% based on visual examination of the fluids within the collection tank. The outlying wells continue to show essentially non-detect levels. The windmill and, collection and storage equipment all appear to be in good working order.

Mable Com
The BTEX concentrations within the recovery well are down approximately 5% from the previous year and over 50% from the initial sampling period of four years ago. We estimate that the present oil / water cut within the recovery well is 5% based on visual examination of the fluids within the collection tank.

Monitor well # **3** continues to show a significant amount of DNAPL within the well bore. We estimate the hydrocarbon fraction to be 85% of the volumes collected. The BTEX segment of the contaminant stream makes up approximately .01% of the total volume.

Monitor well # **4** continues to show essentially non-detect BTEX concentrations.

A new delineation monitor well (# **35**) was drilled and developed during the second quarter of the year. Two rounds of sampling show non-detect BTEX concentrations.

Bell
Monitor well # **6** (nearest the pit), finished the year with two consecutive quarters of acceptable results after nineteen consecutive quarters of benzene concentrations in excess of standards.

Monitor well # **13** now has eleven consecutive quarters of acceptable results.

Monitor well # **14** shows a slight increase in benzene concentrations over the previous year but the overall BTEX concentrations are down approximately 78% over the initial 1998 results.

Monitor well # **25** now has thirteen consecutive quarters of acceptable results.

A new delineation monitor well (# **36**) was drilled and developed during the second quarter of the year. The initial sample results showed non-detectable BTEX concentrations followed by a benzene concentration of 28 ppm. The most recent sampling conducted in late December and not included within this report are back to less than 1 ppm. The October results are most likely the result of cross contamination.

NBF
The well nearest the pit (# **8**) remains clean.

Monitor well # **15** contains approximately 20% free product and continues to show increased BTEX elevations. Prior to the introduction of the Grunfos, this bore was especially difficult to bail due to the amount of built up sediment in the bore. Aggressive bailing resulted in a migration of the contaminant plume within the well and hence, dramatic increases in the contaminant concentrations.

Monitor well # **16** remains in excess of standards but within normal limits. The BTEX concentrations have dropped 53% over the previous year and 43% over the initial reporting period.

Monitor well # **26** remained within standards for three consecutive quarters and then increased dramatically in October. Results for December of 2002 (not included within this report) dropped back to non-detect concentrations indicating once again a probable cross contamination problem with the equipment.

A new delineation monitor well (# **37**) was drilled and developed during the second quarter of the year and shows two consecutive quarters of non-detectable BTEX concentrations.

Sohio # 1
The three wells nearest the pit all contain free product and sulfides within the bores. We estimate the amount to be between 5-10% of fluid volume. The BTEX concentrations within the well nearest the pit (**# 10**) shows an increase of 85% over last years averages.

Monitor well **# 17** again showed an increase in BTEX levels of 39% over the previous year and 154% over the initial sampling.

Monitor well **# 18** again showed an increase in BTEX levels of 85% over the previous year and 455% over the initial sampling.

Monitor wells **# 28** and **# 29** fluctuate between non-detectable and minor BTEX concentrations.

The newest well, # **40** had a single spike in October. The newest readings, taken in December and not included within this report, show acceptable concentrations.

Sohio A

Monitor well # **11** (nearest the pit) shows a decline in overall BTEX concentrations of 41% over the previous years results and a marginal decline over the initial concentrations.

Monitor well # **19** continues to have ever increasing BTEX concentrations within the bore indicating that the main plume is traveling in a more westerly direction than the topography of the area would predict.

Monitor well # **20** has shown four consecutive quarters of acceptable results.

Monitor Well # **27** continues to display rather erratic readings – up one quarter and down the next. I believe that the June reading of non-detect BTEX was actually the results from well # **39** which was skipped in the June sampling round.

Well # **39** was skipped in both June and October due to an error of omission in our quarterly work plan for the Bagley Field Sampling Project. It was sampled in December and recorded a benzene concentration of .057 ppm. If the second quarter sampling results are again higher than WQCC standards, we will drill and complete yet another well in an attempt to delineate the plume spread.

G.S. State

The recovery well appears to be in good mechanical shape as does the collection and storage equipment. Observation of the storage tank indicates an oil / water cut ratio of approximately 93%.

Monitor well # **12** (nearest the pit) contains approximately 15% free product. BTEX concentrations continue to increase – possibly due to the drawdown created by additional bailing.

Monitor well # **21** shows a continuing decline in BTEX concentrations. Three of the past four quarter's results show acceptable concentrations.

Monitor well # **22** shows a continuing decline in BTEX concentrations. The last two quarter's results show acceptable concentrations for the first time ever.

Monitor well # **29** has shown four consecutive quarters of acceptable results.

The newest well, # **38** had significant development problems precluding us from effectively sampling it in the third quarter. We re-developed the bore and now have an effective 9.9' of water column. The December results (not included within this report) also show non-detect BTEX concentrations.

Collier # 1
The source well remains an open bore awaiting artificial lift equipment. BTEX concentrations within the bore have remained stable over four consecutive quarters.

Monitor wells # **33** & **34** remain marginally over WQCC standards.

The BTEX concentrations within monitor well # **35** have reached non-detectable concentrations.

WHOLE EARTH ENVIROMENTAL, INC.

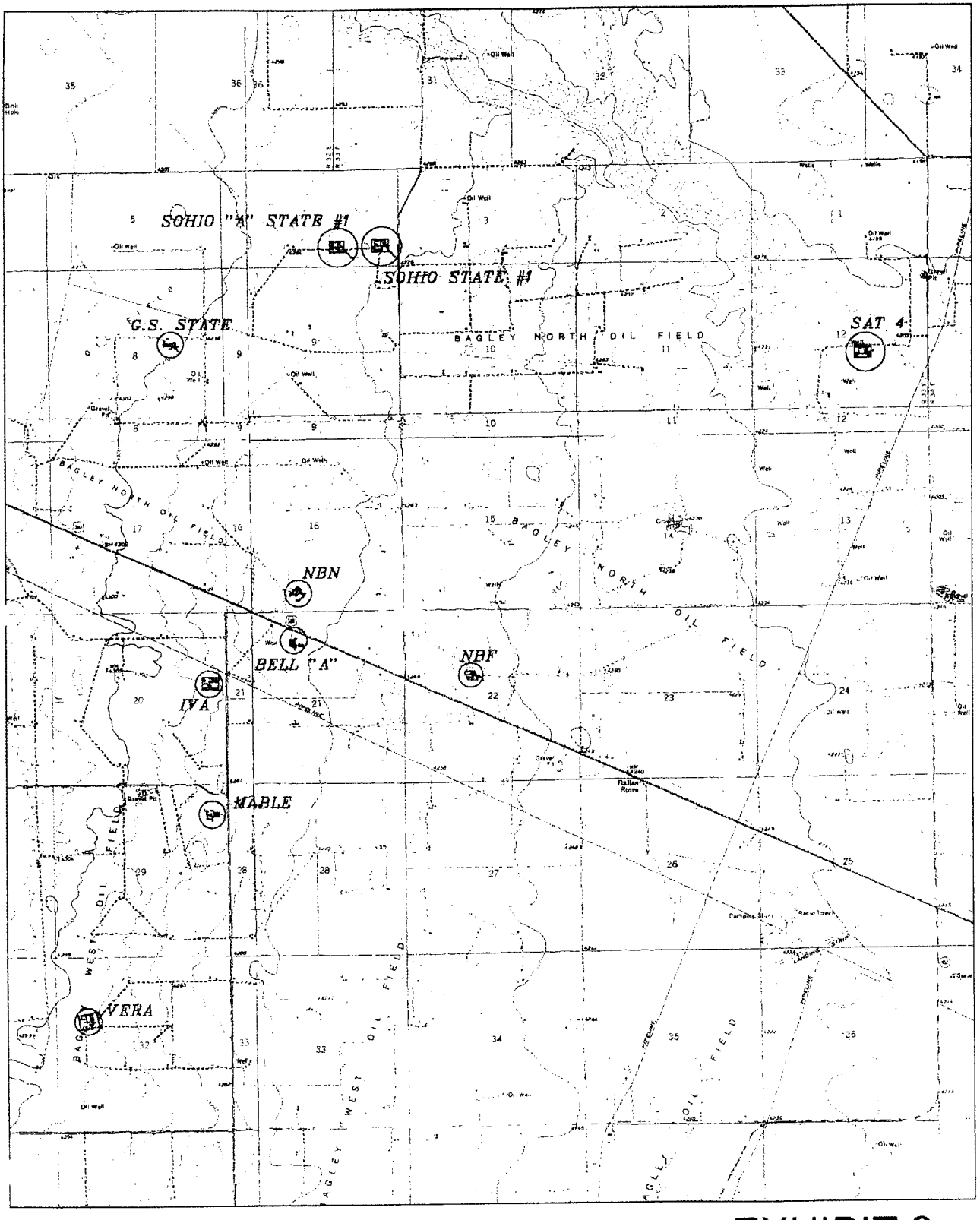


EXHIBIT 9

BASIN SURVEYS P.O. BOX 1786 – HOBBS, NEW MEXICO	W.O. Number: 9352	Drawn By: K. GOAD
	Date: 10-21-99	Disk: KJG #122 – WE9352.DWG

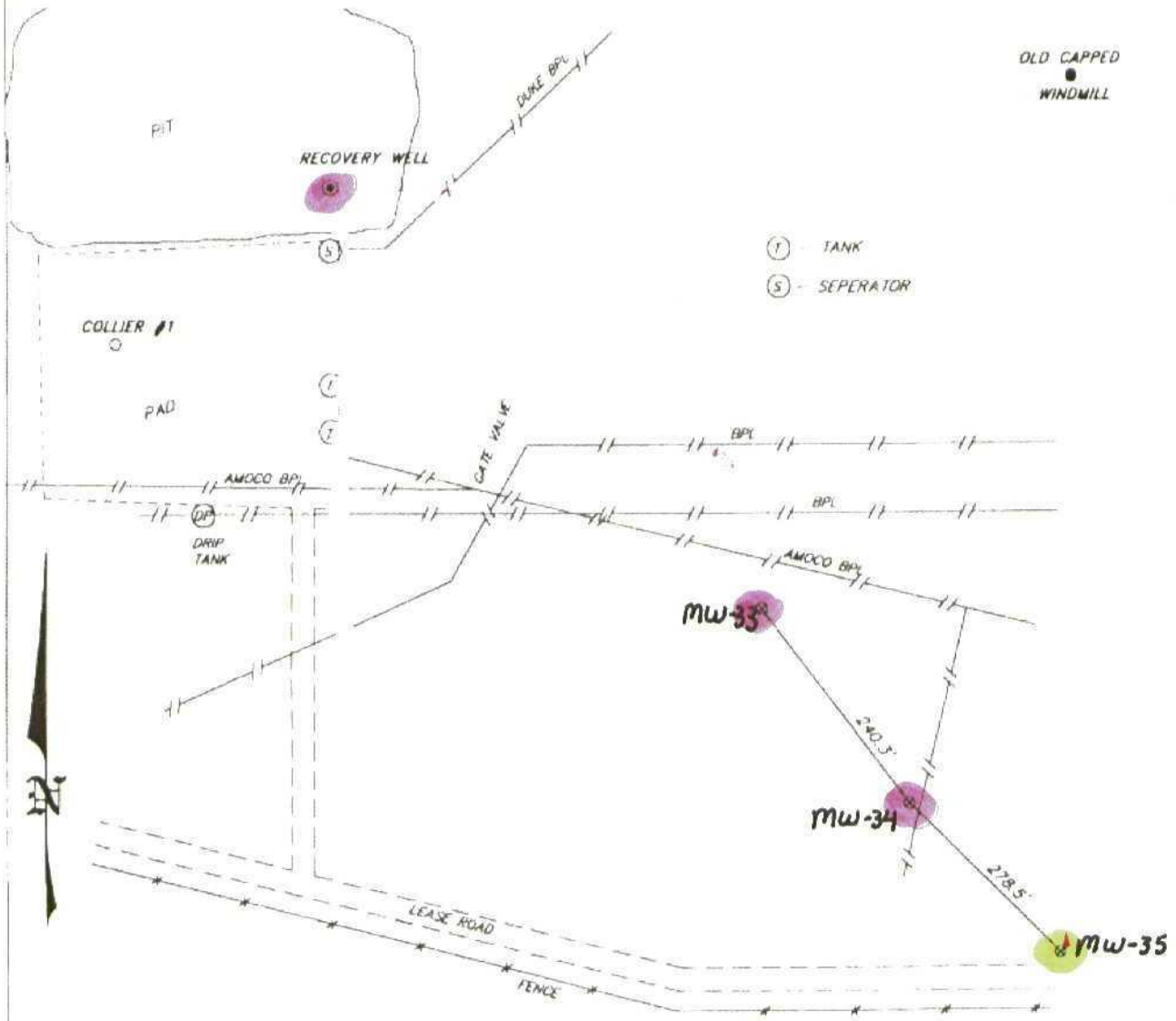
Tipperary Corporation

Tatum Bagley Field

Monitor Well Gradient Chart

Well Name	Well No.	Surface Elevation	Water Elevation	Distance to Pit Center (Ft.)	Gradient (Ft. / Ft.)	Gradient (Ft. / 100Ft.)
Iva COM	Source Well	4,298.42	4,246.42			
	1	4,292.10	4,237.20	115	0.080174	8.02
	2	4,291.93	4,238.93	140	0.053500	5.35
Mable COM	Source Well	4,290.55	4,238.55			
	3	4,287.22	4,235.22	148	0.022500	2.25
	4	4,287.86	4,235.46	160	0.019313	1.93
	35			348		
Bell State	6	4,281.12	4,230.12	93	0.021183	2.12
	13	4,280.84	4,233.04	51	0.044118	4.41
	14	4,280.80	4,232.50	47	0.048723	4.87
	25	4,280.37	4,232.97	154	0.017662	1.77
	36			345		
NBF	8	4,259.41	4,211.41	165	0.045152	4.52
	15	4,259.68	4,212.68	198	0.036263	3.63
	16	4,259.06	4,211.96	247	0.031579	3.16
	26	4,258.04	4,215.04	387	0.022791	2.28
	37			298		
Sohio A	11	4,285.88	4,235.88	115	0.011835	0.83
	19	4,285.97	4,237.27	164	0.005305	0.53
	20	4,285.96	4,236.46	151	0.005822	0.58
	27	4,285.61	4,245.61	264	0.004659	0.47
	31	4,283.54	4,246.09	624	0.005288	0.53
	39			944		
Sohio # 1	10	4,283.63	4,233.63	110	0.016273	1.63
	17	4,283.31	4,233.91	262	0.000805	0.81
	18	4,283.59	4,234.99	176	0.010398	1.04
	28	4,283.21	4,236.96	552	0.004004	0.40
	30	4,281.13	4,235.82	776	0.005528	0.55
	40			1,006		
G.S. State	Source Well	4,307.00	4,259.00			
	12	4,303.27	4,255.27	52	0.071731	7.17
	21	4,303.08	4,255.08	151	0.025960	2.60
	22	4,302.77	4,255.27	148	0.025203	2.52
	29	4,303.20	4,254.14	295	0.016475	1.65
	38			351		
Collier	Source Well	4292.10	4249.3			
	33	4284.00	4240.40	400	0.109000	10.90
	34	4281.20	4239.00	640	0.065937	6.59
	35	4280.80	4237.40	919	0.047225	4.72

SECTION 9, TOWNSHIP 11 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



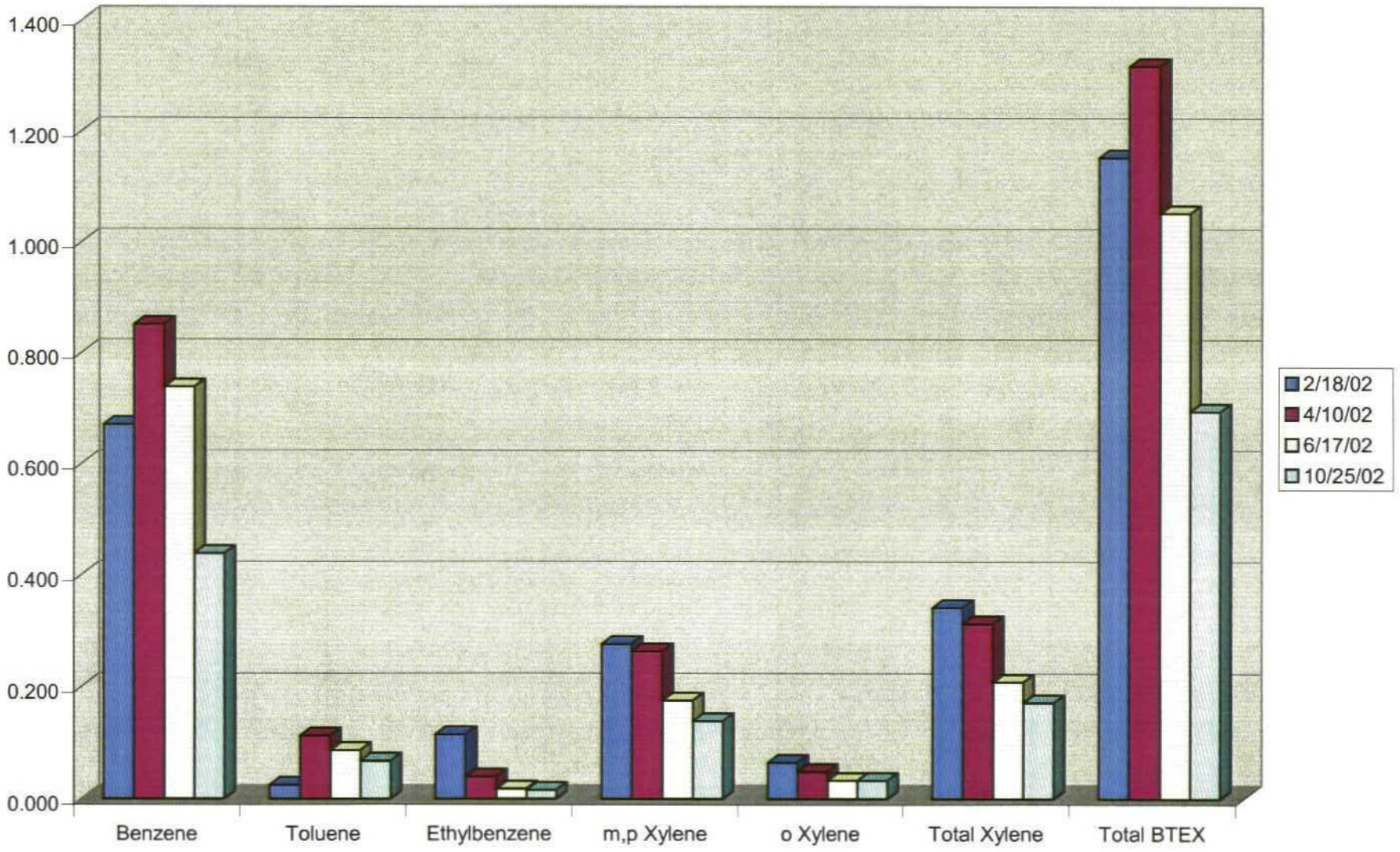
NAME	GRND ELEV.	NORTHING	EASTING	LATITUDE	LONGITUDE
MW #1	4284.0'	N867126.912	E759044.543	N33°22'53.8"	W103°37'12.5"
MW #2	4281.2'	N866936.756	E759191.429	N33°22'51.9"	W103°37'10.8"
MW #3	4280.8'	N866743.131	E759391.582	N33°22'50.0"	W103°37'08.4"
RECOVERY WELL	4292.1'	N867399.618	E758755.059	N33°22'56.5"	W103°37'15.9"
COLLIER #1	4290.7'	N867299.109	E758610.947	N33°22'55.5"	W103°37'17.6"
WINDMILL	4286.2'	N867507.191	E759256.868	N33°22'57.6"	W103°37'09.9"

ALL COORDINATES ARE BASED ON NMSPCE (NAD83)

Collier Source Well

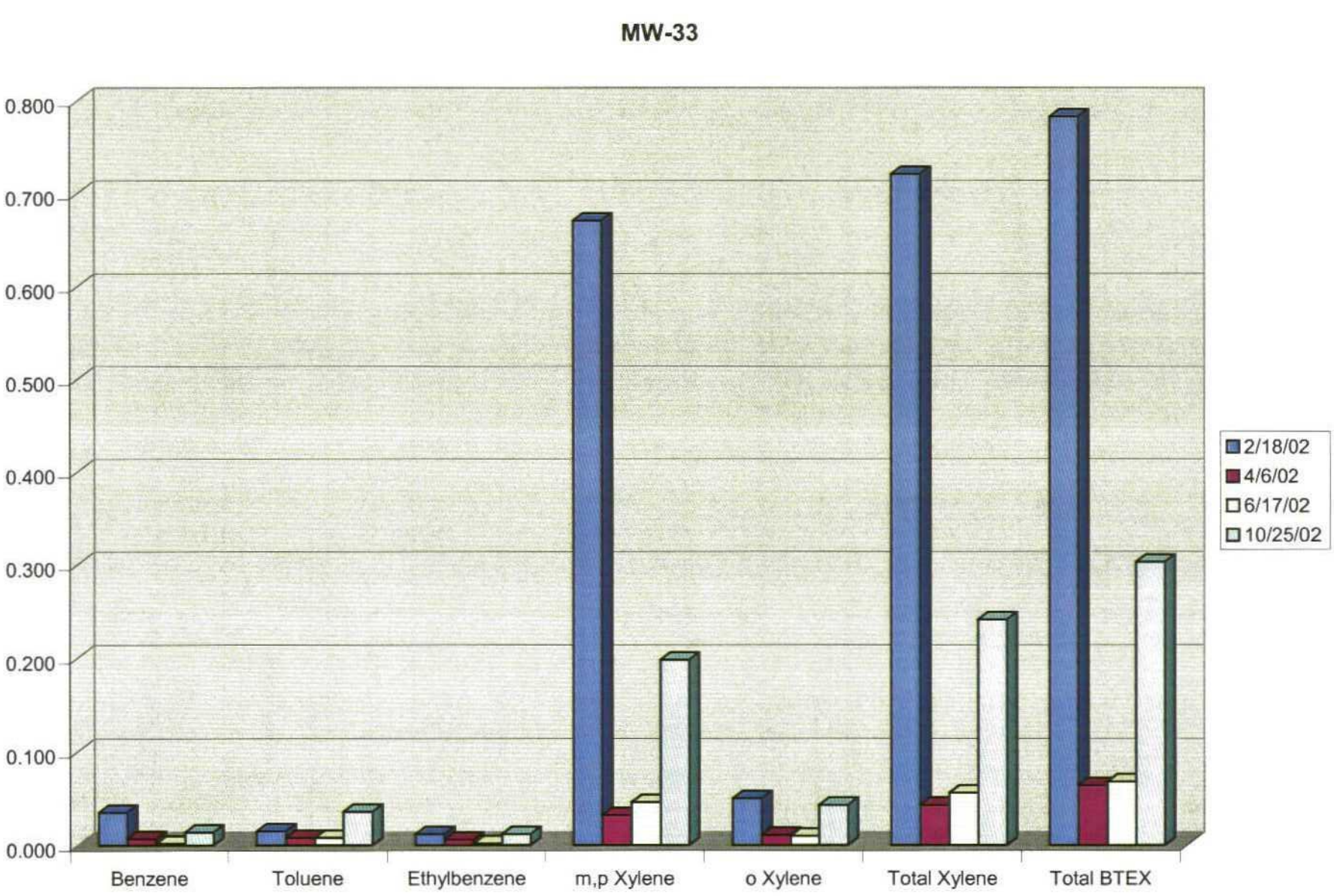
Lab. #	0202618-4	0203001-30	0203602-31	0204814-01
Sample Date	2/18/02	4/10/02	6/17/02	10/25/02
Benzene	0.671	0.852	0.739	0.439
Toluene	0.025	0.113	0.087	0.068
Ethylbenzene	0.115	0.040	0.018	0.016
m,p Xylene	0.277	0.264	0.176	0.139
o Xylene	0.065	0.049	0.033	0.033
Total Xylene	0.342	0.313	0.209	0.172
Total BTEX	1.153	1.318	1.053	0.695

Collier Source Well



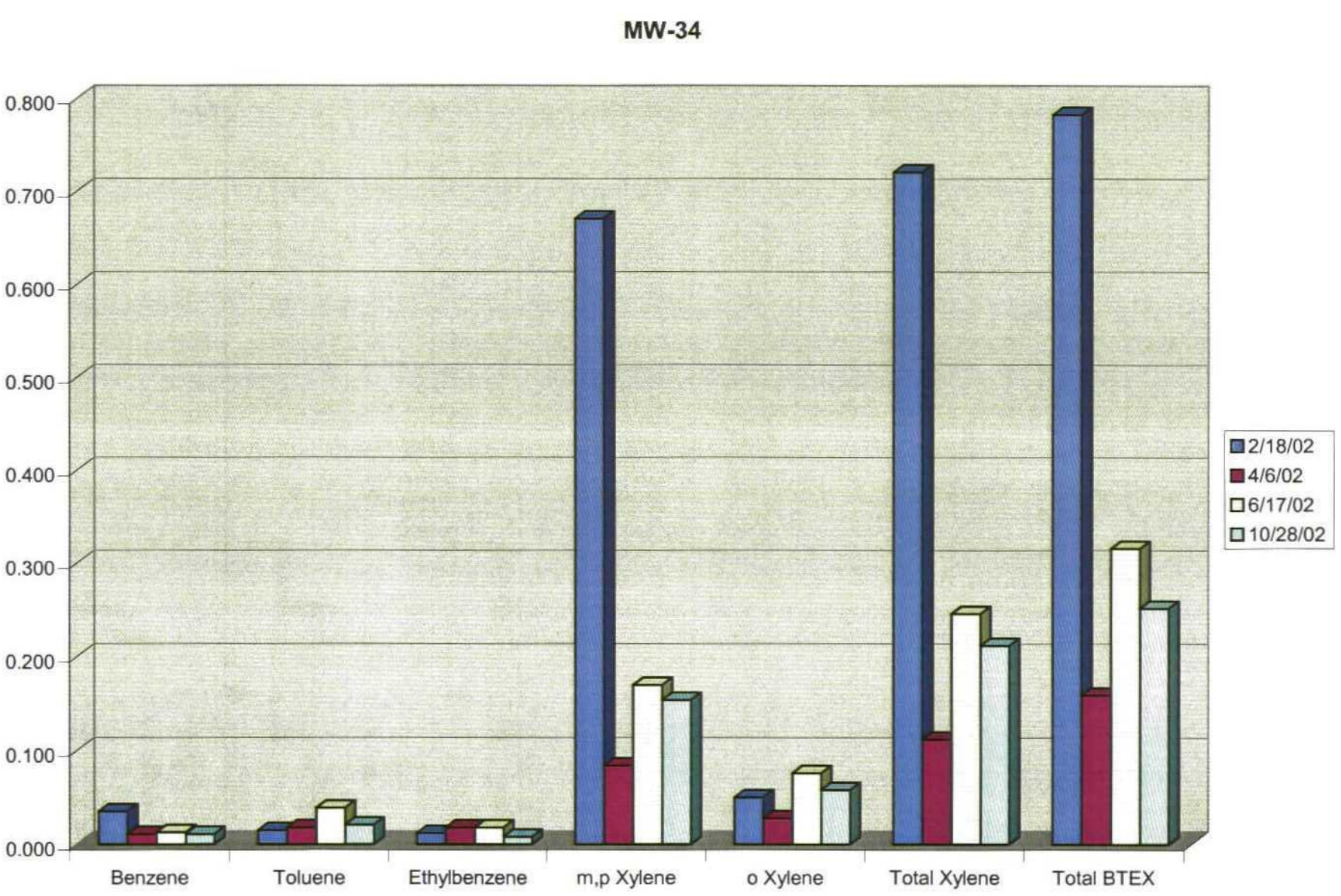
Monitor Well # 33

Lab. #	0202618-1	0203000-01	0002051-02	0204814-02
Sample Date	2/18/02	4/6/02	6/17/02	10/25/02
Benzene	0.035	0.007	0.002	0.014
Toluene	0.015	0.008	0.008	0.036
Ethylbenzene	0.012	0.006	0.002	0.012
m,p Xylene	0.671	0.032	0.046	0.198
o Xylene	0.050	0.011	0.010	0.043
Total Xylene	0.721	0.043	0.056	0.241
Total BTEX	0.783	0.064	0.068	0.303


MW-33
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
Benzene
Toluene
Ethylbenzene
m,p Xylene
o Xylene
Total Xylene
Total BTEX
2/18/02
4/6/02
6/17/02
10/25/02

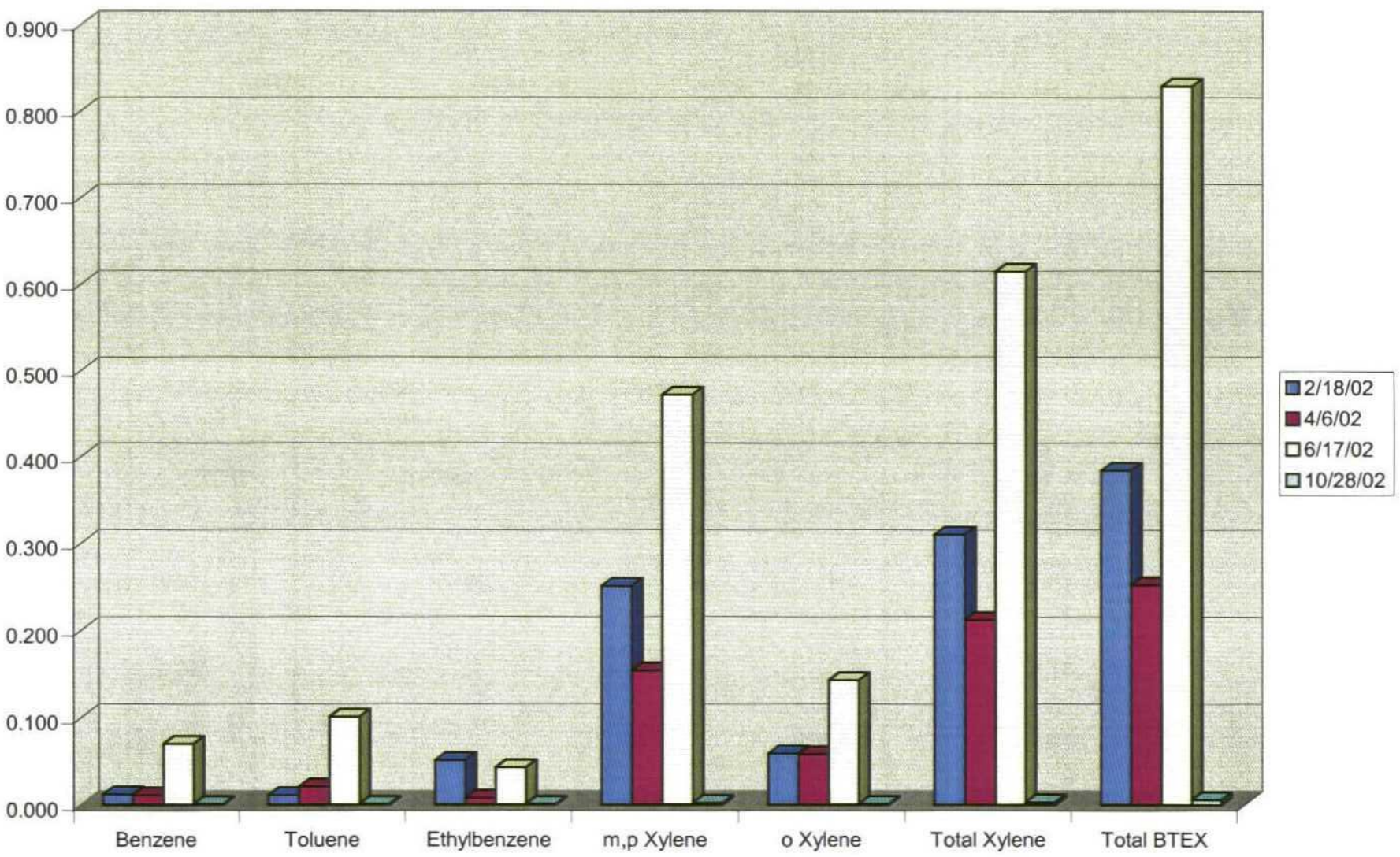
Monitor Well # 34

Lab. #	0202618-1	0203000-2	0203602-33	0204814-02
Sample Date	2/18/02	4/6/02	6/17/02	10/28/02
Benzene	0.035	0.011	0.013	0.011
Toluene	0.015	0.018	0.039	0.021
Ethylbenzene	0.012	0.018	0.018	0.008
m,p Xylene	0.671	0.084	0.170	0.154
o Xylene	0.050	0.028	0.076	0.058
Total Xylene	0.721	0.112	0.246	0.212
Total BTEX	0.783	0.159	0.316	0.252


MW-34
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
Benzene
Toluene
Ethylbenzene
m,p Xylene
o Xylene
Total Xylene
Total BTEX
2/18/02
4/6/02
6/17/02
10/28/02

Monitor Well # 35

Lab. #	0202618-1	1204814-04	0203602-33	0204814-05
Sample Date	2/18/02	4/6/02	6/17/02	10/28/02
Benzene	0.012	0.011	0.070	0.001
Toluene	0.011	0.021	0.101	0.001
Ethylbenzene	0.051	0.008	0.043	0.001
m,p Xylene	0.251	0.154	0.472	0.002
o Xylene	0.059	0.058	0.143	0.001
Total Xylene	0.310	0.212	0.615	0.003
Total BTEX	0.384	0.252	0.829	0.006


MW-35
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
Benzene
Toluene
Ethylbenzene
m,p Xylene
o Xylene
Total Xylene
Total BTEX
2/18/02
4/6/02
6/17/02
10/28/02

Exhibits

This section contains copies of the four individual quarterly laboratory sampling results and all associated quality control information.

ENVIRONMENTAL
LAB OF TEXAS I, LTD.
"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL
ATTN: MIKE GRIFFIN
19606 SAN GABRIEL
HOUSTON, TEXAS 77084
FAX: 281-646-8996

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ -1.0 deg C
Project Name: Tipperary Bagley Field
Project #: None Given
Project Location: Tatum, NM

Sampling Date: 02/17/02
Receiving Date: 02/18/02
Analysis Date: 02/20/02

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
0202618-01	Collier MW 32	0.035	0.009	0.041	0.190	0.047
0202618-02	Collier MW 33	0.015	0.010	0.042	0.204	0.050
0202618-03	Collier MW 34	0.012	0.011	0.051	0.251	0.059
0202618-04	Collier Source	0.671	0.025	0.115	0.277	0.065

QUALITY CONTROL	0.098	0.101	0.109	0.228	0.115
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% INSTRUMENT ACCURACY	98	101	109	114	115
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	0.001	<0.001	0.002	0.005	0.002
SPIKE	0.097	0.100	0.108	0.224	0.113
SPIKE DUP	0.096	0.098	0.108	0.224	0.115
% EXTRACTION ACCURACY	96	100	96	110	111
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001
RPD	1.04	2.02	0.00	0.00	1.75

METHODS: EPA SW 846-8021B ,5030

Celey D. Keene
Raland K. Tuttle

2-22-02
Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0203000
Project:
Project Name: Tipperary Bagley Field
Location: Tatum, NM

Lab ID: 0203000-01
Sample ID: Collier MW-32

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0001112-02		04/06/2002 16:44	1	1	CK	8021B

Parameter	Result µg/L	RL
Benzene	7.44	1.00
Ethylbenzene	7.46	1.00
Toluene	5.96	1.00
p/m-Xylene	31.9	1.00
o-Xylene	10.6	1.00

Lab ID: 0203000-02
Sample ID: Collier MW-33

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0001112-02		04/06/2002 17:05	1	1	CK	8021B

Parameter	Result µg/L	RL
Benzene	10.6	1.00
Ethylbenzene	17.7	1.00
Toluene	17.5	1.00
p/m-Xylene	83.9	1.00
o-Xylene	28.2	1.00

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON TX 77084

Order#: G0203000
Project:
Project Name: Tipperary Bagley Field
Location: Tatum, NM

Lab ID: 0203000-03
Sample ID: Collier MW-34

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0001112-02		04/06/2002 17:27	1	1	CK	8021B

Parameter	Result µg/L	RL
Benzene	3.32	1.00
Ethylbenzene	2.83	1.00
Toluene	7.17	1.00
p/m-Xylene	10.8	1.00
o-Xylene	9.10	1.00

Approval: Celey D. Keene 4/9/02
Date

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DI. = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS
ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0203001
Project:
Project Name: Quarterly Sampling
Location: Tatum New Mexico

Lab ID: 0203001-29
Sample ID: GS MW-29

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0001160-02		4/10/02 15:15	1	1	CK	8021B

Parameter	Result µg/L	RL
Benzene	**2.51**	1.00
Ethylbenzene	**5.34**	1.00
Toluene	**8.14**	1.00
p/m-Xylene	**23.7**	1.00
o-Xylene	**9.19**	1.00

Lab ID: 0203001-30
Sample ID: Collier MW-Source

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0001160-02		4/10/02 15:37	1	5	CK	8021B

Parameter	Result µg/L	RL
Benzene	**852**	5.00
Ethylbenzene	**113**	5.00
Toluene	**40.1**	5.00
p/m-Xylene	**264**	5.00
o-Xylene	**49.0**	5.00

Approval:
Raland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted N/A = Not RL = Reporting Limit

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Company Name: Whole Earth Environmental, Inc.

Company Address: 19606 San Gabriel

City/State/Zip: Houston, Tx. 77084

Telephone No: (800) 854-4358 Fax No: (281) 546-8996

Sampler Signature:

Project Name: Tipperary Bagley Field

Project #:

Project Loc: Tatum, NM

PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: / TOTAL: TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
203000-01	Collier MW 32	3/30/02		2	X		X					X											X		
-02	Collier MW 33	3/30/02		2	X		X					X											X		
-03	Collier MW 34	3/30/02		2	X		X					X											X		

Special Instructions:

Sample Containers Intact? (Y) N

Temperature Upon Receipt: 1.5°C

Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: Elliott Werne	Date 4-3-02	Time 3:33	Received by ELOT: Joanne McSwane	Date 4-3-2	Time 1555 (From)

Apr 09 02 01:45p

P.6

ANALYTICAL REPORT

Prepared for:

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Project:	Quarterly Sampling
Order#:	G0203602
Report Date:	07/01/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084
281-646-8996

Order#: G0203000
Project:
Project Name: Tipperary Bagley Field
Location: Tatum, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0203000-01	Collier MW 32	WATER	03/30/2002	04/03/2002 15:55	40 mL VOA	Ice/HCl
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: 1.5C		
0203000-02	Collier MW 33	WATER	03/30/2002	04/03/2002 15:55	40 mL VOA	Ice/HCl
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: 1.5C		
0203000-03	Collier MW 34	WATER	03/30/2002	04/03/2002 15:55	40 mL VOA	Ice/HCl
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: 1.5C		

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0203000

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/L		0001112-02			<1.00		
Ethylbenzene-µg/L		0001112-02			<1.00		
Toluene-µg/L		0001112-02			<1.00		
p/m-Xylene-µg/L		0001112-02			<1.00		
o-Xylene-µg/L		0001112-02			<1.00		
MS	WATER	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-µg/L		0202982-13	0	100	113	113.%	
Ethylbenzene-µg/L		0202982-13	0	100	113	113.%	
Toluene-µg/L		0202982-13	0	100	113	113.%	
p/m-Xylene-µg/L		0202982-13	0	200	229	114.5%	
o-Xylene-µg/L		0202982-13	0	100	113	113.%	
MSD	WATER	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-µg/L		0202982-13	0	100	113	113.%	0.%
Ethylbenzene-µg/L		0202982-13	0	100	114	114.%	0.9%
Toluene-µg/L		0202982-13	0	100	114	114.%	0.9%
p/m-Xylene-µg/L		0202982-13	0	200	224	112.%	2.2%
o-Xylene-µg/L		0202982-13	0	100	115	115.%	1.8%
SRM	WATER	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-µg/L		0001112-05		100	113	113.%	
Ethylbenzene-µg/L		0001112-05		100	113	113.%	
Toluene-µg/L		0001112-05		100	115	115.%	
p/m-Xylene-µg/L		0001112-05		200	230	115.%	
o-Xylene-µg/L		0001112-05		100	114	114.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0203001

BLANK WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/L	0001112-02			<1.00		
Benzene-µg/L	0001159-02			<1.00		
Benzene-µg/L	0001160-02			<1.00		
Ethylbenzene-µg/L	0001112-02			<1.00		
Ethylbenzene-µg/L	0001159-02			<1.00		
Ethylbenzene-µg/L	0001160-02			<1.00		
Toluene-µg/L	0001112-02			<1.00		
Toluene-µg/L	0001159-02			<1.00		
Toluene-µg/L	0001160-02			<1.00		
p/m-Xylene-µg/L	0001112-02			<1.00		
p/m-Xylene-µg/L	0001159-02			<1.00		
p/m-Xylene-µg/L	0001160-02			<1.00		
o-Xylene-µg/L	0001112-02			<1.00		
o-Xylene-µg/L	0001159-02			<1.00		
o-Xylene-µg/L	0001160-02			<1.00		
MS WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/L	0202982-13	0	100	113	113.%	
Benzene-µg/L	0203001-08	0	100	92.6	92.6%	
Benzene-µg/L	0203001-29	2.51	100	116	113.5%	
Ethylbenzene-µg/L	0202982-13	0	100	113	113.%	
Ethylbenzene-µg/L	0203001-08	1.62	100	97.6	96.%	
Ethylbenzene-µg/L	0203001-29	5.34	100	114	108.7%	
Toluene-µg/L	0202982-13	0	100	113	113.%	
Toluene-µg/L	0203001-08	1.1	100	98.1	97.%	
Toluene-µg/L	0203001-29	8.14	100	123	114.9%	
p/m-Xylene-µg/L	0202982-13	0	200	229	114.5%	
p/m-Xylene-µg/L	0203001-08	5.64	200	232	113.2%	
p/m-Xylene-µg/L	0203001-29	23.7	200	258	117.2%	
o-Xylene-µg/L	0202982-13	0	100	113	113.%	
o-Xylene-µg/L	0203001-08	1.93	100	105	103.1%	
o-Xylene-µg/L	0203001-29	9.19	100	117	107.8%	
MSD WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/L	0202982-13	0	100	113	113.%	0.%
Benzene-µg/L	0203001-08	0	100	110	110.%	17.2%
Benzene-µg/L	0203001-29	2.51	100	112	109.5%	3.5%
Ethylbenzene-µg/L	0202982-13	0	100	114	114.%	0.9%
Ethylbenzene-µg/L	0203001-08	1.62	100	110	108.4%	11.9%
Ethylbenzene-µg/L	0203001-29	5.34	100	115	109.7%	0.9%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

MSD WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Toluene-µg/L	0202982-13	0	100	114	114.%	0.9%
Toluene-µg/L	0203001-08	1.1	100	112	110.9%	13.2%
Toluene-µg/L	0203001-29	8.14	100	118	109.9%	4.1%
p/m-Xylene-µg/L	0202982-13	0	200	224	112.%	2.2%
p/m-Xylene-µg/L	0203001-08	5.64	200	232	113.2%	0.%
p/m-Xylene-µg/L	0203001-29	23.7	200	253	114.7%	2.%
o-Xylene-µg/L	0202982-13	0	100	115	115.%	1.8%
o-Xylene-µg/L	0203001-08	1.93	100	110	108.1%	4.7%
o-Xylene-µg/L	0203001-29	9.19	100	110	100.8%	6.2%
SRM WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/L	0001112-05		100	113	113.%	
Benzene-µg/L	0001159-05		100	113	113.%	
Benzene-µg/L	0001160-05		100	112	112.%	
Ethylbenzene-µg/L	0001112-05		100	113	113.%	
Ethylbenzene-µg/L	0001159-05		100	114	114.%	
Ethylbenzene-µg/L	0001160-05		100	109	109.%	
Toluene-µg/L	0001112-05		100	115	115.%	
Toluene-µg/L	0001159-05		100	111	111.%	
Toluene-µg/L	0001160-05		100	115	115.%	
p/m-Xylene-µg/L	0001112-05		200	230	115.%	
p/m-Xylene-µg/L	0001159-05		200	226	113.%	
p/m-Xylene-µg/L	0001160-05		200	228	114.%	
o-Xylene-µg/L	0001112-05		100	114	114.%	
o-Xylene-µg/L	0001159-05		100	114	114.%	
o-Xylene-µg/L	0001160-05		100	113	113.%	

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084
281-646-8996

Order#: G0203602
Project:
Project Name: Quarterly Sampling
Location: Tatum, New Mexico

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0203602-31	Collier Source Well	WATER	6/7/02	6/10/02 9:17	See COC	See COC
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: -2.5 C		
0203602-32	Collier MW-32	WATER	6/7/02	6/10/02 9:17	See COC	See COC
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: -2.5 C		
0203602-33	Collier MW-33	WATER	6/7/02	6/10/02 9:17	See COC	See COC
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: -2.5 C		
0203602-34	Collier MW-34	WATER	6/7/02	6/10/02 9:17	See COC	See COC
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: -2.5 C		

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0203602
Project:
Project Name: Quarterly Sampling
Location: Tatum, New Mexico

Lab ID: 0203602-31
Sample ID: ~~Collier Source Well~~

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002051-02		6/17/02 9:32	1	10	CK	8021B

Parameter	Result mg/L	RL
Benzene	**0.739**	0.010
Ethylbenzene	**0.087**	0.010
Toluene	**0.018**	0.010
p/m-Xylene	**0.176**	0.010
o-Xylene	**0.033**	0.010

Lab ID: 0203602-32
Sample ID: ~~Collier MW-32~~

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002051-02		6/17/02 9:54	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	**0.002**	0.001
Ethylbenzene	**0.008**	0.001
Toluene	**0.002**	0.001
p/m-Xylene	**0.046**	0.001
o-Xylene	**0.010**	0.001

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0203602
Project:
Project Name: Quarterly Sampling
Location: Tatum, New Mexico

Lab ID: 0203602-33
Sample ID: Collier MW-33

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002051-02		6/17/02 10:16	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	**0.013**	0.001
Ethylbenzene	**0.039**	0.001
Toluene	**0.018**	0.001
p/m-Xylene	**0.170**	0.001
o-Xylene	**0.076**	0.001

Lab ID: 0203602-34
Sample ID: Collier MW-34

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002051-02		6/17/02 10:38	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	**0.070**	0.001
Ethylbenzene	**0.101**	0.001
Toluene	**0.043**	0.001
p/m-Xylene	**0.472**	0.001
o-Xylene	**0.143**	0.001

Approval: Raland K Tuttle 7-01-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ANALYTICAL REPORT

Prepared for:

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Project: Tipperary Bagley Field

PO#:

Order#: G0204814

Report Date: 10/29/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084
281-646-8996

Order#: G0204814
Project: None Given
Project Name: Tipperary Bagley Field
Location: Tatum, NM

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Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0204814-01	~~Collier MW 32~~ Source	WATER	10/19/02	10/21/02 12:50	40 mL VOA	C HCL to <pH2 / I
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: 3 C		
0204814-02	~~Collier MW 33~~	WATER	10/19/02	10/21/02 12:50	40 mL VOA	C HCL to <pH2 / I
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: 3 C		
0204814-03	~~Collier MW 34~~	WATER	10/19/02	10/21/02 12:50	40 mL VOA	C HCL to <pH2 / I
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: 3 C		
0204814-04	~~Collier MW 35~~	WATER	10/19/02	10/21/02 12:50	40 mL VOA	C HCL to <pH2 / I
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: 3 C		
0204814-05	~~Collier MW 36~~	WATER	10/19/02	10/21/02 12:50	40 mL VOA	C HCL to <pH2 / I
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: 3 C		
0204814-06	G.S. MW 21	WATER	10/19/02	10/21/02 12:50	40 mL VOA	C HCL to <pH2 / I
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: 3 C		
0204814-07	G.S. MW 22	WATER	10/19/02	10/21/02 12:50	40 mL VOA	C HCL to <pH2 / I
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: 3 C		
0204814-08	G.S. MW 29	WATER	10/19/02	10/21/02 12:50	40 mL VOA	C HCL to <pH2 / I
	Lab Testing: 8021B/5030 BTEX	Rejected: No		Temp: 3 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204814
Project: None Given
Project Name: Tipperary Bagley Field
Location: Tatum, NM

Lab ID: 0204814-01
Sample ID: Collier MW 32 / Source

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003551-02		10/25/02 12:56	1	10	CK	8021B

Parameter	Result mg/L	RL
Benzene	**0.439**	0.010
Ethylbenzene	**0.068**	0.010
Toluene	**0.016**	0.010
p/m-Xylene	**0.139**	0.010
o-Xylene	**0.033**	0.010

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**102%**	**80**	**120**
Bromofluorobenzene	**94%**	**80**	**120**

Lab ID: 0204814-02
Sample ID: Collier MW 33

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003551-02		10/25/02 13:18	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	**0.014**	0.001
Ethylbenzene	**0.036**	0.001
Toluene	**0.012**	0.001
p/m-Xylene	**0.198**	0.001
o-Xylene	**0.043**	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**161%**	**80**	**120**
Bromofluorobenzene	**105%**	**80**	**120**

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204814
Project: None Given
Project Name: Tipperary Bagley Field
Location: Tatum, NM

Lab ID: 0204814-03
Sample ID: Collier MW 34

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003551-02		10/28/02 11:38	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	0.129	0.001
Ethylbenzene	0.114	0.001
Toluene	0.044	0.001
p/m-Xylene	0.581	0.001
o-Xylene	0.146	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	134%	80	120
Bromofluorobenzene	103%	80	120

Lab ID: 0204814-04
Sample ID: Collier MW 35

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003551-02		10/28/02 12:00	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	0.011	0.001
Ethylbenzene	0.021	0.001
Toluene	0.008	0.001
p/m-Xylene	0.154	0.001
o-Xylene	0.058	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	142%	80	120
Bromofluorobenzene	99%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204814
Project: None Given
Project Name: Tipperary Bagley Field
Location: Tatum, NM

Lab ID: 0204814-05
Sample ID: Collier MW 36

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003551-02		10/28/02 12:22	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Ethylbenzene	<0.001	0.001
Toluene	<0.001	0.001
p/m-Xylene	0.002	0.001
o-Xylene	0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	88%	80	120
Bromofluorobenzene	90%	80	120

Lab ID: 0204814-06
Sample ID: G.S. MW 21

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003551-02		10/28/02 12:44	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	0.003	0.001
Ethylbenzene	0.029	0.001
Toluene	0.006	0.001
p/m-Xylene	0.007	0.001
o-Xylene	0.003	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	82%	80	120
Bromofluorobenzene	88%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204814
Project: None Given
Project Name: Tipperary Bagley Field
Location: Tatum, NM

Lab ID: 0204814-07
Sample ID: G.S. MW 22

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003551-02		10/28/02 13:06	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	0.006	0.001
Ethylbenzene	0.034	0.001
Toluene	0.008	0.001
p/m-Xylene	0.009	0.001
o-Xylene	0.004	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	84%	80	120
Bromofluorobenzene	87%	80	120

Lab ID: 0204814-08
Sample ID: G.S. MW 29

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003551-02		10/28/02 13:28	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	0.007	0.001
Ethylbenzene	0.004	0.001
Toluene	0.011	0.001
p/m-Xylene	0.010	0.001
o-Xylene	0.006	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	81%	80	120
Bromofluorobenzene	80%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204814
Project: None Given
Project Name: Tipperary Bagley Field
Location: Tatum, NM

Approval: Raland K Tuttle 10-28-02
Raland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204814

BLANK WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L	0003551-02			<0.001		
Ethylbenzene-mg/L	0003551-02			<0.001		
Toluene-mg/L	0003551-02			<0.001		
p/m-Xylene-mg/L	0003551-02			<0.001		
o-Xylene-mg/L	0003551-02			<0.001		
MS WATER	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/L	0204813-01	0	0.1	0.097	97.%	
Ethylbenzene-mg/L	0204813-01	0	0.1	0.102	102.%	
Toluene-mg/L	0204813-01	0	0.1	0.097	97.%	
p/m-Xylene-mg/L	0204813-01	0	0.2	0.216	108.%	
o-Xylene-mg/L	0204813-01	0	0.1	0.104	104.%	
MSD WATER	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/L	0204813-01	0	0.1	0.091	91.%	6.4%
Ethylbenzene-mg/L	0204813-01	0	0.1	0.094	94.%	8.2%
Toluene-mg/L	0204813-01	0	0.1	0.092	92.%	5.3%
p/m-Xylene-mg/L	0204813-01	0	0.2	0.202	101.%	6.7%
o-Xylene-mg/L	0204813-01	0	0.1	0.098	98.%	5.9%
SRM WATER	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/L	0003551-05		0.1	0.098	98.%	
Ethylbenzene-mg/L	0003551-05		0.1	0.102	102.%	
Toluene-mg/L	0003551-05		0.1	0.100	100.%	
p/m-Xylene-mg/L	0003551-05		0.2	0.216	108.%	
o-Xylene-mg/L	0003551-05		0.1	0.105	105.%	

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204814

Project: Tipperary Bagley Field

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
Collier MW 32 / Sou	0204814-01	WATER	10/19/2002	10/21/2002
Collier MW 33	0204814-02	WATER	10/19/2002	10/21/2002
Collier MW 34	0204814-03	WATER	10/19/2002	10/21/2002
Collier MW 35	0204814-04	WATER	10/19/2002	10/21/2002
Collier MW 36	0204814-05	WATER	10/19/2002	10/21/2002
G.S. MW 21	0204814-06	WATER	10/19/2002	10/21/2002
G.S. MW 22	0204814-07	WATER	10/19/2002	10/21/2002
G.S. MW 29	0204814-08	WATER	10/19/2002	10/21/2002

Surrogate recoveries are outside control limits due to matrix interference from coeluting compounds.

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By: Rolando Judy Date: 10-28-02

Environmental Lab of Texas I, Ltd.

Envi ol nental Lab of Texas, Inc.

12600 We -20 st Phone: 915-563-1800
Odessa, T as 7 53 Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

oje lanager: Project Name: Tipperary Bagley Field

om y Name Whole Earth Environmental, Inc. Project #:

C pan ddress: 19606 San Gabriel Project Loc: Tatum, NM

Cit ate/Zip: Houston, Tx. 77084 PO #:

Tel one No: (800) 854-4358 Fax No: (281) 646-8996

S: ler nature:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: / TOTAL: TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 80218/5030	RUSH TAT (Pre-Schedule)	Standard TAT
01	Collier MW 32 /source	10/19/02 2/17/02		2	X		X					X											X		
02	Collier MW 33	2/17/02		2	X		X					X											X		
03	Collier MW 34	2/17/02		2	X		X					X											X		
04	Collier MW 35	10/19/02		2	✓		✓					✓											✓		
05	Collier MW 36	10/19/02		2	✓		✓					✓											✓		
06	G.S. MW-21	10/19/02		2	✓		✓					✓											✓		
07	G.S. MW 22	10/19/02		2	✓		✓					✓											✓		
08	G.S. MW 29	10/19/02		2	✓		✓					✓											✓		

Special Instructions:

Sample Conditions Upon Receipt: Temperature Upon Receipt: 5.0 °C

Relinquished by:	Date	Time	Received by:	Date	Time
	10/24/02	12:45			
Relinquished by:	Date	Time	Received by:	Date	Time